



# BARGE "HSM 3322"

formerly the  
BARGE "FMT 3322"

## PORT SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-07"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	0	1,101	0	2,203	0	3,304	0	4,406	0	5,507	0		0		0		0	
1/4	23	1/4	1,124	1/4	2,226	1/4	3,327	1/4	4,429	1/4	5,530	1/4		1/4		1/4		1/4	
1/2	46	1/2	1,147	1/2	2,249	1/2	3,350	1/2	4,452	1/2	5,553	1/2		1/2		1/2		1/2	
3/4	69	3/4	1,170	3/4	2,272	3/4	3,373	3/4	4,475	3/4		3/4		3/4		3/4		3/4	
1	92	1	1,193	1	2,295	1	3,396	1	4,498	1		1		1		1		1	
1/4	115	1/4	1,216	1/4	2,318	1/4	3,419	1/4	4,521	1/4		1/4		1/4		1/4		1/4	
1/2	138	1/2	1,239	1/2	2,341	1/2	3,442	1/2	4,544	1/2		1/2		1/2		1/2		1/2	
3/4	161	3/4	1,262	3/4	2,364	3/4	3,465	3/4	4,567	3/4		3/4		3/4		3/4		3/4	
2	184	2	1,285	2	2,387	2	3,488	2	4,589	2		2		2		2		2	
1/4	207	1/4	1,308	1/4	2,409	1/4	3,511	1/4	4,612	1/4		1/4		1/4		1/4		1/4	
1/2	229	1/2	1,331	1/2	2,432	1/2	3,534	1/2	4,635	1/2		1/2		1/2		1/2		1/2	
3/4	252	3/4	1,354	3/4	2,455	3/4	3,557	3/4	4,658	3/4		3/4		3/4		3/4		3/4	
3	275	3	1,377	3	2,478	3	3,580	3	4,681	3		3		3		3		3	
1/4	298	1/4	1,400	1/4	2,501	1/4	3,603	1/4	4,704	1/4		1/4		1/4		1/4		1/4	
1/2	321	1/2	1,423	1/2	2,524	1/2	3,626	1/2	4,727	1/2		1/2		1/2		1/2		1/2	
3/4	344	3/4	1,446	3/4	2,547	3/4	3,649	3/4	4,750	3/4		3/4		3/4		3/4		3/4	
4	367	4	1,469	4	2,570	4	3,672	4	4,773	4		4		4		4		4	
1/4	390	1/4	1,492	1/4	2,593	1/4	3,695	1/4	4,796	1/4		1/4		1/4		1/4		1/4	
1/2	413	1/2	1,515	1/2	2,616	1/2	3,717	1/2	4,819	1/2		1/2		1/2		1/2		1/2	
3/4	436	3/4	1,537	3/4	2,639	3/4	3,740	3/4	4,842	3/4		3/4		3/4		3/4		3/4	
5	459	5	1,560	5	2,662	5	3,763	5	4,865	5		5		5		5		5	
1/4	482	1/4	1,583	1/4	2,685	1/4	3,786	1/4	4,888	1/4		1/4		1/4		1/4		1/4	
1/2	505	1/2	1,606	1/2	2,708	1/2	3,809	1/2	4,911	1/2		1/2		1/2		1/2		1/2	
3/4	528	3/4	1,629	3/4	2,731	3/4	3,832	3/4	4,934	3/4		3/4		3/4		3/4		3/4	
6	551	6	1,652	6	2,754	6	3,855	6	4,957	6		6		6		6		6	
1/4	574	1/4	1,675	1/4	2,777	1/4	3,878	1/4	4,980	1/4		1/4		1/4		1/4		1/4	
1/2	597	1/2	1,698	1/2	2,800	1/2	3,901	1/2	5,003	1/2		1/2		1/2		1/2		1/2	
3/4	620	3/4	1,721	3/4	2,823	3/4	3,924	3/4	5,026	3/4		3/4		3/4		3/4		3/4	
7	643	7	1,744	7	2,845	7	3,947	7	5,048	7		7		7		7		7	
1/4	665	1/4	1,767	1/4	2,868	1/4	3,970	1/4	5,071	1/4		1/4		1/4		1/4		1/4	
1/2	688	1/2	1,790	1/2	2,891	1/2	3,993	1/2	5,094	1/2		1/2		1/2		1/2		1/2	
3/4	711	3/4	1,813	3/4	2,914	3/4	4,016	3/4	5,117	3/4		3/4		3/4		3/4		3/4	
8	734	8	1,836	8	2,937	8	4,039	8	5,140	8		8		8		8		8	
1/4	757	1/4	1,859	1/4	2,960	1/4	4,062	1/4	5,163	1/4		1/4		1/4		1/4		1/4	
1/2	780	1/2	1,882	1/2	2,983	1/2	4,085	1/2	5,186	1/2		1/2		1/2		1/2		1/2	
3/4	803	3/4	1,905	3/4	3,006	3/4	4,108	3/4	5,209	3/4		3/4		3/4		3/4		3/4	
9	826	9	1,928	9	3,029	9	4,131	9	5,232	9		9		9		9		9	
1/4	849	1/4	1,951	1/4	3,052	1/4	4,153	1/4	5,255	1/4		1/4		1/4		1/4		1/4	
1/2	872	1/2	1,973	1/2	3,075	1/2	4,176	1/2	5,278	1/2		1/2		1/2		1/2		1/2	
3/4	895	3/4	1,996	3/4	3,098	3/4	4,199	3/4	5,301	3/4		3/4		3/4		3/4		3/4	
10	918	10	2,019	10	3,121	10	4,222	10	5,324	10		10		10		10		10	
1/4	941	1/4	2,042	1/4	3,144	1/4	4,245	1/4	5,347	1/4		1/4		1/4		1/4		1/4	
1/2	964	1/2	2,065	1/2	3,167	1/2	4,268	1/2	5,370	1/2		1/2		1/2		1/2		1/2	
3/4	987	3/4	2,088	3/4	3,190	3/4	4,291	3/4	5,393	3/4		3/4		3/4		3/4		3/4	
11	1,010	11	2,111	11	3,213	11	4,314	11	5,416	11		11		11		11		11	
1/4	1,033	1/4	2,134	1/4	3,236	1/4	4,337	1/4	5,439	1/4		1/4		1/4		1/4		1/4	
1/2	1,056	1/2	2,157	1/2	3,259	1/2	4,360	1/2	5,461	1/2		1/2		1/2		1/2		1/2	
3/4	1,079	3/4	2,180	3/4	3,281	3/4	4,383	3/4	5,484	3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO 2" DIAMETER "HERMETIC" VALVE.

STRAPPED: 08/25/2020 CL  
CALCULATED: 08/26/2020 CL  
PRINTED: 08/26/2020 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2020

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**STBD SLOP  
INNAGE TABLE**

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-07"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	1,101	0	2,203	0	3,304	0	4,406	0	5,507	0		0		0		0	
1/4	23	1/4	1,124	1/4	2,226	1/4	3,327	1/4	4,429	1/4	5,530	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46	1/2	1,147	1/2	2,249	1/2	3,350	1/2	4,452	1/2	5,553	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69	3/4	1,170	3/4	2,272	3/4	3,373	3/4	4,475	3/4	5,576	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	92	1	1,193	1	2,295	1	3,396	1	4,498	1	5,599	1	1	1	1	1	1	1	1
1/4	115	1/4	1,216	1/4	2,318	1/4	3,419	1/4	4,521	1/4	5,622	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	138	1/2	1,239	1/2	2,341	1/2	3,442	1/2	4,544	1/2	5,644	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161	3/4	1,262	3/4	2,364	3/4	3,465	3/4	4,567	3/4	5,667	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	184	2	1,285	2	2,387	2	3,488	2	4,589	2	5,690	2	2	2	2	2	2	2	2
1/4	207	1/4	1,308	1/4	2,409	1/4	3,511	1/4	4,612	1/4	5,712	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	229	1/2	1,331	1/2	2,432	1/2	3,534	1/2	4,635	1/2	5,734	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	252	3/4	1,354	3/4	2,455	3/4	3,557	3/4	4,658	3/4	5,756	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	275	3	1,377	3	2,478	3	3,580	3	4,681	3	5,778	3	3	3	3	3	3	3	3
1/4	298	1/4	1,400	1/4	2,501	1/4	3,603	1/4	4,704	1/4	5,799	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	321	1/2	1,423	1/2	2,524	1/2	3,626	1/2	4,727	1/2	5,821	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	344	3/4	1,446	3/4	2,547	3/4	3,649	3/4	4,750	3/4	5,843	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	367	4	1,469	4	2,570	4	3,672	4	4,773	4	5,865	4	4	4	4	4	4	4	4
1/4	390	1/4	1,492	1/4	2,593	1/4	3,695	1/4	4,796	1/4	5,887	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	413	1/2	1,515	1/2	2,616	1/2	3,717	1/2	4,819	1/2	5,909	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	436	3/4	1,538	3/4	2,639	3/4	3,740	3/4	4,842	3/4	5,931	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	459	5	1,560	5	2,662	5	3,763	5	4,865	5	5,953	5	5	5	5	5	5	5	5
1/4	482	1/4	1,583	1/4	2,685	1/4	3,786	1/4	4,888	1/4	5,975	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	505	1/2	1,606	1/2	2,708	1/2	3,809	1/2	4,911	1/2	6,000	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	528	3/4	1,629	3/4	2,731	3/4	3,832	3/4	4,934	3/4	6,022	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	551	6	1,652	6	2,754	6	3,855	6	4,957	6	6,044	6	6	6	6	6	6	6	6
1/4	574	1/4	1,675	1/4	2,777	1/4	3,878	1/4	4,980	1/4	6,066	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	597	1/2	1,698	1/2	2,800	1/2	3,901	1/2	5,003	1/2	6,088	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	620	3/4	1,721	3/4	2,823	3/4	3,924	3/4	5,026	3/4	6,110	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	643	7	1,744	7	2,845	7	3,947	7	5,048	7	6,132	7	7	7	7	7	7	7	7
1/4	665	1/4	1,767	1/4	2,868	1/4	3,970	1/4	5,071	1/4	6,154	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	688	1/2	1,790	1/2	2,891	1/2	3,993	1/2	5,094	1/2	6,176	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	711	3/4	1,813	3/4	2,914	3/4	4,016	3/4	5,117	3/4	6,198	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	734	8	1,836	8	2,937	8	4,039	8	5,140	8	6,220	8	8	8	8	8	8	8	8
1/4	757	1/4	1,859	1/4	2,960	1/4	4,062	1/4	5,163	1/4	6,242	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	780	1/2	1,882	1/2	2,983	1/2	4,085	1/2	5,186	1/2	6,264	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	803	3/4	1,905	3/4	3,006	3/4	4,108	3/4	5,209	3/4	6,286	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	826	9	1,928	9	3,029	9	4,131	9	5,232	9	6,308	9	9	9	9	9	9	9	9
1/4	849	1/4	1,951	1/4	3,052	1/4	4,153	1/4	5,255	1/4	6,330	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	872	1/2	1,973	1/2	3,075	1/2	4,176	1/2	5,278	1/2	6,352	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	895	3/4	1,996	3/4	3,098	3/4	4,199	3/4	5,301	3/4	6,374	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	918	10	2,019	10	3,121	10	4,222	10	5,324	10	6,396	10	10	10	10	10	10	10	10
1/4	941	1/4	2,042	1/4	3,144	1/4	4,245	1/4	5,347	1/4	6,418	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	964	1/2	2,065	1/2	3,167	1/2	4,268	1/2	5,370	1/2	6,440	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	987	3/4	2,088	3/4	3,190	3/4	4,291	3/4	5,393	3/4	6,462	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,010	11	2,111	11	3,213	11	4,314	11	5,416	11	6,484	11	11	11	11	11	11	11	11
1/4	1,033	1/4	2,134	1/4	3,236	1/4	4,337	1/4	5,439	1/4	6,506	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,056	1/2	2,157	1/2	3,259	1/2	4,360	1/2	5,461	1/2	6,528	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,079	3/4	2,180	3/4	3,281	3/4	4,383	3/4	5,484	3/4	6,550	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

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**FUEL TANK  
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GAUGE HEIGHT 4'-06 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	101	0	259	0	416	0	517	0		0		0		0		0	
1/4	1	1/4	104	1/4	262	1/4	419	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1	1/2	107	1/2	265	1/2	422	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	110	3/4	269	3/4	425	3/4		3/4		3/4		3/4		3/4		3/4	
1	3	1	113	1	272	1	428	1	1	1	1	1	1	1	1	1	1	1	1
1/4	4	1/4	116	1/4	276	1/4	430	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	5	1/2	119	1/2	279	1/2	433	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	6	3/4	122	3/4	282	3/4	436	3/4		3/4		3/4		3/4		3/4		3/4	
2	7	2	125	2	286	2	439	2	2	2	2	2	2	2	2	2	2	2	2
1/4	9	1/4	129	1/4	289	1/4	442	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	10	1/2	132	1/2	293	1/2	444	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	12	3/4	135	3/4	296	3/4	447	3/4		3/4		3/4		3/4		3/4		3/4	
3	13	3	138	3	300	3	450	3	3	3	3	3	3	3	3	3	3	3	3
1/4	15	1/4	141	1/4	303	1/4	453	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	17	1/2	144	1/2	306	1/2	455	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	19	3/4	148	3/4	310	3/4	458	3/4		3/4		3/4		3/4		3/4		3/4	
4	21	4	151	4	313	4	460	4	4	4	4	4	4	4	4	4	4	4	4
1/4	23	1/4	154	1/4	316	1/4	463	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	25	1/2	157	1/2	320	1/2	465	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	27	3/4	161	3/4	323	3/4	468	3/4		3/4		3/4		3/4		3/4		3/4	
5	29	5	164	5	327	5	470	5	5	5	5	5	5	5	5	5	5	5	5
1/4	31	1/4	167	1/4	330	1/4	473	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	33	1/2	170	1/2	333	1/2	475	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	35	3/4	174	3/4	337	3/4	477	3/4		3/4		3/4		3/4		3/4		3/4	
6	37	6	177	6	340	6	480	6	6	6	6	6	6	6	6	6	6	6	6
1/4	40	1/4	180	1/4	343	1/4	482	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	42	1/2	184	1/2	347	1/2	484	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	44	3/4	187	3/4	350	3/4	486	3/4		3/4		3/4		3/4		3/4		3/4	
7	47	7	190	7	353	7	488	7	7	7	7	7	7	7	7	7	7	7	7
1/4	49	1/4	194	1/4	356	1/4	490	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	52	1/2	197	1/2	360	1/2	492	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	54	3/4	201	3/4	363	3/4	494	3/4		3/4		3/4		3/4		3/4		3/4	
8	57	8	204	8	366	8	496	8	8	8	8	8	8	8	8	8	8	8	8
1/4	59	1/4	207	1/4	369	1/4	498	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	62	1/2	211	1/2	373	1/2	500	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	64	3/4	214	3/4	376	3/4	502	3/4		3/4		3/4		3/4		3/4		3/4	
9	67	9	217	9	379	9	504	9	9	9	9	9	9	9	9	9	9	9	9
1/4	70	1/4	221	1/4	382	1/4	505	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	73	1/2	224	1/2	385	1/2	507	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	75	3/4	228	3/4	388	3/4	508	3/4		3/4		3/4		3/4		3/4		3/4	
10	78	10	231	10	392	10	510	10	10	10	10	10	10	10	10	10	10	10	10
1/4	81	1/4	235	1/4	395	1/4	511	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	84	1/2	238	1/2	398	1/2	512	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	87	3/4	241	3/4	401	3/4	513	3/4		3/4		3/4		3/4		3/4		3/4	
11	89	11	245	11	404	11	514	11	11	11	11	11	11	11	11	11	11	11	11
1/4	92	1/4	248	1/4	407	1/4	515	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	95	1/2	252	1/2	410	1/2	516	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	98	3/4	255	3/4	413	3/4	516	3/4		3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" STANDPIPE

STRAPPED: 08/25/2020 CL  
CALCULATED: 08/26/2020 CL  
PRINTED: 08/26/2020 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2020

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**INNAGE (HERMETIC)**

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
1 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
2 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"  
 AFT DRAFT = 7'-00"  
 DIFF. = 5'-00" (DOWN BY STERN)

THE CORRECTION FOR 5'-00" TRIM DOWN BY STERN FOR 1 PORT IS 00-1/8"  
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 237'-03"

August 25, 2020

**PRECISION MEASUREMENT  
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 P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**1 PORT  
INNAGE TABLE**

**HERMETIC  
GAUGE HEIGHT 16'-05"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	14.63	0	290.50	0	624.62	0	965.15	0	1,306.66	0	1,649.00	0	1,991.33	0	2,333.67	0	2,676.00	0	3,018.32
1/4	17.54	1/4	297.09	1/4	631.75	1/4	972.22	1/4	1,313.79	1/4	1,656.13	1/4	1,998.47	1/4	2,340.80	1/4	2,683.14	1/4	3,025.45
1/2	20.46	1/2	303.68	1/2	638.88	1/2	979.30	1/2	1,320.93	1/2	1,663.26	1/2	2,005.60	1/2	2,347.93	1/2	2,690.27	1/2	3,032.58
3/4	23.38	3/4	310.27	3/4	646.01	3/4	986.37	3/4	1,328.06	3/4	1,670.39	3/4	2,012.73	3/4	2,355.07	3/4	2,697.40	3/4	3,039.71
1	26.29	1	316.86	1	653.14	1	993.44	1	1,335.19	1	1,677.53	1	2,019.86	1	2,362.20	1	2,704.53	1	3,046.84
1/4	31.07	1/4	323.53	1/4	660.28	1/4	1,000.51	1/4	1,342.32	1/4	1,684.66	1/4	2,026.99	1/4	2,369.33	1/4	2,711.66	1/4	3,053.96
1/2	35.85	1/2	330.20	1/2	667.41	1/2	1,007.58	1/2	1,349.45	1/2	1,691.79	1/2	2,034.13	1/2	2,376.46	1/2	2,718.79	1/2	3,061.09
3/4	40.63	3/4	336.88	3/4	674.54	3/4	1,014.66	3/4	1,356.59	3/4	1,698.92	3/4	2,041.26	3/4	2,383.59	3/4	2,725.93	3/4	3,068.22
2	45.41	2	343.55	2	681.67	2	1,021.73	2	1,363.72	2	1,706.05	2	2,048.39	2	2,390.73	2	2,733.06	2	3,075.35
1/4	51.13	1/4	350.31	1/4	688.80	1/4	1,028.81	1/4	1,370.85	1/4	1,713.19	1/4	2,055.52	1/4	2,397.86	1/4	2,740.19	1/4	3,082.48
1/2	56.86	1/2	357.07	1/2	695.93	1/2	1,035.89	1/2	1,377.98	1/2	1,720.32	1/2	2,062.65	1/2	2,404.99	1/2	2,747.32	1/2	3,089.61
3/4	62.58	3/4	363.82	3/4	703.07	3/4	1,042.97	3/4	1,385.11	3/4	1,727.45	3/4	2,069.79	3/4	2,412.12	3/4	2,754.45	3/4	3,096.74
3	68.30	3	370.58	3	710.20	3	1,050.05	3	1,392.25	3	1,734.58	3	2,076.92	3	2,419.25	3	2,761.58	3	3,103.87
1/4	74.13	1/4	377.42	1/4	717.33	1/4	1,057.14	1/4	1,399.38	1/4	1,741.71	1/4	2,084.05	1/4	2,426.39	1/4	2,768.72	1/4	3,111.00
1/2	79.96	1/2	384.26	1/2	724.46	1/2	1,064.24	1/2	1,406.51	1/2	1,748.85	1/2	2,091.18	1/2	2,433.52	1/2	2,775.85	1/2	3,118.13
3/4	85.79	3/4	391.10	3/4	731.59	3/4	1,071.34	3/4	1,413.64	3/4	1,755.98	3/4	2,098.31	3/4	2,440.65	3/4	2,782.98	3/4	3,125.26
4	91.62	4	397.94	4	738.73	4	1,078.44	4	1,420.77	4	1,763.11	4	2,105.45	4	2,447.78	4	2,790.11	4	3,132.39
1/4	97.54	1/4	404.86	1/4	745.82	1/4	1,085.57	1/4	1,427.91	1/4	1,770.24	1/4	2,112.58	1/4	2,454.91	1/4	2,797.24	1/4	3,139.52
1/2	103.46	1/2	411.79	1/2	752.92	1/2	1,092.70	1/2	1,435.04	1/2	1,777.37	1/2	2,119.71	1/2	2,462.05	1/2	2,804.37	1/2	3,146.65
3/4	109.38	3/4	418.71	3/4	760.02	3/4	1,099.83	3/4	1,442.17	3/4	1,784.51	3/4	2,126.84	3/4	2,469.18	3/4	2,811.51	3/4	3,153.78
5	115.30	5	425.63	5	767.12	5	1,106.97	5	1,449.30	5	1,791.64	5	2,133.97	5	2,476.31	5	2,818.64	5	3,160.91
1/4	121.31	1/4	432.64	1/4	774.20	1/4	1,114.10	1/4	1,456.43	1/4	1,798.77	1/4	2,141.11	1/4	2,483.44	1/4	2,825.77	1/4	3,168.04
1/2	127.32	1/2	439.64	1/2	781.28	1/2	1,121.23	1/2	1,463.57	1/2	1,805.90	1/2	2,148.24	1/2	2,490.57	1/2	2,832.90	1/2	3,175.17
3/4	133.32	3/4	446.64	3/4	788.36	3/4	1,128.36	3/4	1,470.70	3/4	1,813.03	3/4	2,155.37	3/4	2,497.71	3/4	2,840.03	3/4	3,182.30
6	139.33	6	453.64	6	795.43	6	1,135.49	6	1,477.83	6	1,820.17	6	2,162.50	6	2,504.84	6	2,847.16	6	3,189.43
1/4	145.42	1/4	460.73	1/4	802.51	1/4	1,142.63	1/4	1,484.96	1/4	1,827.30	1/4	2,169.63	1/4	2,511.97	1/4	2,854.30	1/4	3,196.56
1/2	151.51	1/2	467.81	1/2	809.58	1/2	1,149.76	1/2	1,492.09	1/2	1,834.43	1/2	2,176.77	1/2	2,519.10	1/2	2,861.43	1/2	3,203.69
3/4	157.60	3/4	474.90	3/4	816.65	3/4	1,156.89	3/4	1,499.23	3/4	1,841.56	3/4	2,183.90	3/4	2,526.23	3/4	2,868.56	3/4	3,210.82
7	163.69	7	481.98	7	823.72	7	1,164.02	7	1,506.36	7	1,848.69	7	2,191.03	7	2,533.37	7	2,875.69	7	3,217.95
1/4	169.87	1/4	489.11	1/4	830.79	1/4	1,171.15	1/4	1,513.49	1/4	1,855.83	1/4	2,198.16	1/4	2,540.50	1/4	2,882.82	1/4	3,225.08
1/2	176.04	1/2	496.24	1/2	837.86	1/2	1,178.29	1/2	1,520.62	1/2	1,862.96	1/2	2,205.29	1/2	2,547.63	1/2	2,889.95	1/2	3,232.20
3/4	182.21	3/4	503.38	3/4	844.94	3/4	1,185.42	3/4	1,527.75	3/4	1,870.09	3/4	2,212.43	3/4	2,554.76	3/4	2,897.09	3/4	3,239.33
8	188.39	8	510.51	8	852.01	8	1,192.55	8	1,534.89	8	1,877.22	8	2,219.56	8	2,561.89	8	2,904.22	8	3,246.46
1/4	194.64	1/4	517.64	1/4	859.08	1/4	1,199.68	1/4	1,542.02	1/4	1,884.35	1/4	2,226.69	1/4	2,569.03	1/4	2,911.35	1/4	3,253.59
1/2	200.90	1/2	524.77	1/2	866.15	1/2	1,206.81	1/2	1,549.15	1/2	1,891.49	1/2	2,233.82	1/2	2,576.16	1/2	2,918.48	1/2	3,260.72
3/4	207.16	3/4	531.90	3/4	873.22	3/4	1,213.95	3/4	1,556.28	3/4	1,898.62	3/4	2,240.95	3/4	2,583.29	3/4	2,925.61	3/4	3,267.85
9	213.41	9	539.04	9	880.29	9	1,221.08	9	1,563.41	9	1,905.75	9	2,248.09	9	2,590.42	9	2,932.74	9	3,274.98
1/4	219.75	1/4	546.17	1/4	887.36	1/4	1,228.21	1/4	1,570.55	1/4	1,912.88	1/4	2,255.22	1/4	2,597.55	1/4	2,939.88	1/4	3,282.11
1/2	226.09	1/2	553.30	1/2	894.44	1/2	1,235.34	1/2	1,577.68	1/2	1,920.01	1/2	2,262.35	1/2	2,604.69	1/2	2,947.01	1/2	3,289.24
3/4	232.43	3/4	560.43	3/4	901.51	3/4	1,242.47	3/4	1,584.81	3/4	1,927.15	3/4	2,269.48	3/4	2,611.82	3/4	2,954.14	3/4	3,296.37
10	238.77	10	567.56	10	908.58	10	1,249.61	10	1,591.94	10	1,934.28	10	2,276.61	10	2,618.95	10	2,961.27	10	3,303.50
1/4	245.20	1/4	574.69	1/4	915.65	1/4	1,256.74	1/4	1,599.07	1/4	1,941.41	1/4	2,283.75	1/4	2,626.08	1/4	2,968.40	1/4	3,310.63
1/2	251.62	1/2	581.83	1/2	922.72	1/2	1,263.87	1/2	1,606.21	1/2	1,948.54	1/2	2,290.88	1/2	2,633.21	1/2	2,975.54	1/2	3,317.76
3/4	258.04	3/4	588.96	3/4	929.79	3/4	1,271.00	3/4	1,613.34	3/4	1,955.67	3/4	2,298.01	3/4	2,640.35	3/4	2,982.67	3/4	3,324.89
11	264.47	11	596.09	11	936.87	11	1,278.13	11	1,620.47	11	1,962.81	11	2,305.14	11	2,647.48	11	2,989.80	11	3,332.02
1/4	270.98	1/4	603.22	1/4	943.94	1/4	1,285.27	1/4	1,627.60	1/4	1,969.94	1/4	2,312.27	1/4	2,654.61	1/4	2,996.93	1/4	3,339.15
1/2	277.48	1/2	610.35	1/2	951.01	1/2	1,292.40	1/2	1,634.73	1/2	1,977.07	1/2	2,319.41	1/2	2,661.74	1/2	3,004.06	1/2	3,346.28
3/4	283.99	3/4	617.49	3/4	958.08	3/4	1,299.53	3/4	1,641.87	3/4	1,984.20	3/4	2,326.54	3/4	2,668.87	3/4	3,011.19	3/4	3,353.41

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

**PRECISION MEASUREMENT  
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**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**1 PORT**  
**INNAGE TABLE**  
**HERMETIC**  
**GAUGE HEIGHT 16'-05"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,360.54	0	3,702.78	0	4,045.10	0	4,386.76	0	4,727.52	0		0		0		0		0	
1/4	3,367.67	1/4	3,709.91	1/4	4,052.23	1/4	4,393.86	1/4	4,734.62	1/4		1/4		1/4		1/4		1/4	
1/2	3,374.80	1/2	3,717.05	1/2	4,059.36	1/2	4,400.96	1/2	4,741.71	1/2		1/2		1/2		1/2		1/2	
3/4	3,381.93	3/4	3,724.18	3/4	4,066.49	3/4	4,408.06	3/4	4,748.81	3/4		3/4		3/4		3/4		3/4	
1	3,389.06	1	3,731.31	1	4,073.63	1	4,415.16	1	4,755.91	1		1		1		1		1	
1/4	3,396.19	1/4	3,738.44	1/4	4,080.76	1/4	4,422.26	1/4	4,763.01	1/4		1/4		1/4		1/4		1/4	
1/2	3,403.32	1/2	3,745.57	1/2	4,087.89	1/2	4,429.36	1/2	4,770.11	1/2		1/2		1/2		1/2		1/2	
3/4	3,410.44	3/4	3,752.70	3/4	4,095.02	3/4	4,436.46	3/4	4,777.21	3/4		3/4		3/4		3/4		3/4	
2	3,417.57	2	3,759.84	2	4,102.15	2	4,443.56	2	4,784.31	2		2		2		2		2	
1/4	3,424.70	1/4	3,766.97	1/4	4,109.28	1/4	4,450.66	1/4	4,791.41	1/4		1/4		1/4		1/4		1/4	
1/2	3,431.83	1/2	3,774.10	1/2	4,116.42	1/2	4,457.75	1/2	4,798.51	1/2		1/2		1/2		1/2		1/2	
3/4	3,438.96	3/4	3,781.23	3/4	4,123.55	3/4	4,464.85	3/4	4,805.61	3/4		3/4		3/4		3/4		3/4	
3	3,446.09	3	3,788.36	3	4,130.68	3	4,471.95	3	4,812.70	3		3		3		3		3	
1/4	3,453.22	1/4	3,795.49	1/4	4,137.81	1/4	4,479.05	1/4	4,819.76	1/4		1/4		1/4		1/4		1/4	
1/2	3,460.35	1/2	3,802.62	1/2	4,144.94	1/2	4,486.15	1/2	4,826.81	1/2		1/2		1/2		1/2		1/2	
3/4	3,467.48	3/4	3,809.76	3/4	4,152.07	3/4	4,493.25	3/4	4,833.87	3/4		3/4		3/4		3/4		3/4	
4	3,474.61	4	3,816.89	4	4,159.20	4	4,500.35	4	4,840.92	4		4		4		4		4	
1/4	3,481.74	1/4	3,824.02	1/4	4,166.34	1/4	4,507.45	1/4	4,847.98	1/4		1/4		1/4		1/4		1/4	
1/2	3,488.87	1/2	3,831.15	1/2	4,173.47	1/2	4,514.55	1/2	4,855.03	1/2		1/2		1/2		1/2		1/2	
3/4	3,496.00	3/4	3,838.28	3/4	4,180.60	3/4	4,521.65	3/4	4,862.08	3/4		3/4		3/4		3/4		3/4	
5	3,503.13	5	3,845.41	5	4,187.73	5	4,528.74	5	4,869.14	5		5		5		5		5	
1/4	3,510.26	1/4	3,852.55	1/4	4,194.86	1/4	4,535.84	1/4	4,876.19	1/4		1/4		1/4		1/4		1/4	
1/2	3,517.39	1/2	3,859.68	1/2	4,201.99	1/2	4,542.94	1/2	4,883.25	1/2		1/2		1/2		1/2		1/2	
3/4	3,524.52	3/4	3,866.81	3/4	4,209.13	3/4	4,550.04	3/4	4,890.30	3/4		3/4		3/4		3/4		3/4	
6	3,531.65	6	3,873.94	6	4,216.26	6	4,557.14	6	4,897.35	6		6		6		6		6	
1/4	3,538.78	1/4	3,881.07	1/4	4,223.39	1/4	4,564.24	1/4	4,904.39	1/4		1/4		1/4		1/4		1/4	
1/2	3,545.91	1/2	3,888.20	1/2	4,230.52	1/2	4,571.34	1/2	4,911.43	1/2		1/2		1/2		1/2		1/2	
3/4	3,553.04	3/4	3,895.34	3/4	4,237.65	3/4	4,578.44	3/4	4,918.47	3/4		3/4		3/4		3/4		3/4	
7	3,560.17	7	3,902.47	7	4,244.78	7	4,585.54	7	4,925.51	7		7		7		7		7	
1/4	3,567.30	1/4	3,909.60	1/4	4,251.88	1/4	4,592.64	1/4	4,932.50	1/4		1/4		1/4		1/4		1/4	
1/2	3,574.43	1/2	3,916.73	1/2	4,258.98	1/2	4,599.73	1/2	4,939.48	1/2		1/2		1/2		1/2		1/2	
3/4	3,581.56	3/4	3,923.86	3/4	4,266.08	3/4	4,606.83	3/4	4,946.47	3/4		3/4		3/4		3/4		3/4	
8	3,588.68	8	3,930.99	8	4,273.18	8	4,613.93	8	4,953.45	8		8		8		8		8	
1/4	3,595.81	1/4	3,938.13	1/4	4,280.28	1/4	4,621.03	1/4	4,959.62	1/4		1/4		1/4		1/4		1/4	
1/2	3,602.94	1/2	3,945.26	1/2	4,287.38	1/2	4,628.13	1/2	4,965.78	1/2		1/2		1/2		1/2		1/2	
3/4	3,610.07	3/4	3,952.39	3/4	4,294.48	3/4	4,635.23	3/4	4,971.94	3/4		3/4		3/4		3/4		3/4	
9	3,617.20	9	3,959.52	9	4,301.58	9	4,642.33	9	4,978.11	9		9		9		9		9	
1/4	3,624.33	1/4	3,966.65	1/4	4,308.68	1/4	4,649.43	1/4	4,983.08	1/4		1/4		1/4		1/4		1/4	
1/2	3,631.47	1/2	3,973.78	1/2	4,315.77	1/2	4,656.53	1/2	4,988.05	1/2		1/2		1/2		1/2		1/2	
3/4	3,638.60	3/4	3,980.91	3/4	4,322.87	3/4	4,663.63	3/4	4,993.03	3/4		3/4		3/4		3/4		3/4	
10	3,645.73	10	3,988.05	10	4,329.97	10	4,670.72	10	4,998.00	10		10		10		10		10	
1/4	3,652.86	1/4	3,995.18	1/4	4,337.07	1/4	4,677.82	1/4	5,001.79	1/4		1/4		1/4		1/4		1/4	
1/2	3,659.99	1/2	4,002.31	1/2	4,344.17	1/2	4,684.92	1/2	5,005.57	1/2		1/2		1/2		1/2		1/2	
3/4	3,667.12	3/4	4,009.44	3/4	4,351.27	3/4	4,692.02	3/4	5,009.36	3/4		3/4		3/4		3/4		3/4	
11	3,674.26	11	4,016.57	11	4,358.37	11	4,699.12	11	5,013.14	11		11		11		11		11	
1/4	3,681.39	1/4	4,023.70	1/4	4,365.47	1/4	4,706.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,688.52	1/2	4,030.84	1/2	4,372.57	1/2	4,713.32	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,695.65	3/4	4,037.97	3/4	4,379.67	3/4	4,720.42	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/25/2020 CL  
CALCULATED: 08/26/2020 CL  
PRINTED: 08/26/2020 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2020



**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**1 STBD**  
**INNAGE TABLE**

**HERMETIC**  
**GAUGE HEIGHT 16'-05"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	14.67	0	291.20	0	626.22	0	969.22	0	1,312.37	0	1,655.59	0	1,998.82	0	2,342.04	0	2,685.26	0	3,028.44
1/4	17.59	1/4	297.81	1/4	633.37	1/4	976.36	1/4	1,319.52	1/4	1,662.74	1/4	2,005.97	1/4	2,349.19	1/4	2,692.41	1/4	3,035.59
1/2	20.51	1/2	304.42	1/2	640.52	1/2	983.50	1/2	1,326.67	1/2	1,669.89	1/2	2,013.12	1/2	2,356.34	1/2	2,699.56	1/2	3,042.74
3/4	23.43	3/4	311.03	3/4	647.67	3/4	990.65	3/4	1,333.82	3/4	1,677.05	3/4	2,020.27	3/4	2,363.49	3/4	2,706.71	3/4	3,049.89
1	26.35	1	317.63	1	654.82	1	997.79	1	1,340.97	1	1,684.20	1	2,027.42	1	2,370.64	1	2,713.86	1	3,057.04
1/4	31.15	1/4	324.32	1/4	661.97	1/4	1,004.93	1/4	1,348.12	1/4	1,691.35	1/4	2,034.57	1/4	2,377.79	1/4	2,721.01	1/4	3,064.18
1/2	35.94	1/2	331.01	1/2	669.12	1/2	1,012.07	1/2	1,355.27	1/2	1,698.50	1/2	2,041.72	1/2	2,384.94	1/2	2,728.16	1/2	3,071.33
3/4	40.73	3/4	337.70	3/4	676.27	3/4	1,019.21	3/4	1,362.42	3/4	1,705.65	3/4	2,048.87	3/4	2,392.10	3/4	2,735.31	3/4	3,078.48
2	45.52	2	344.39	2	683.42	2	1,026.35	2	1,369.57	2	1,712.80	2	2,056.02	2	2,399.25	2	2,742.46	2	3,085.63
1/4	51.26	1/4	351.17	1/4	690.57	1/4	1,033.50	1/4	1,376.72	1/4	1,719.95	1/4	2,063.17	1/4	2,406.40	1/4	2,749.61	1/4	3,092.78
1/2	56.99	1/2	357.94	1/2	697.72	1/2	1,040.65	1/2	1,383.87	1/2	1,727.10	1/2	2,070.32	1/2	2,413.55	1/2	2,756.76	1/2	3,099.92
3/4	62.72	3/4	364.72	3/4	704.87	3/4	1,047.80	3/4	1,391.03	3/4	1,734.25	3/4	2,077.47	3/4	2,420.70	3/4	2,763.91	3/4	3,107.07
3	68.46	3	371.49	3	712.02	3	1,054.95	3	1,398.18	3	1,741.40	3	2,084.62	3	2,427.85	3	2,771.06	3	3,114.22
1/4	74.30	1/4	378.35	1/4	719.17	1/4	1,062.10	1/4	1,405.33	1/4	1,748.55	1/4	2,091.77	1/4	2,435.00	1/4	2,778.21	1/4	3,121.37
1/2	80.15	1/2	385.20	1/2	726.32	1/2	1,069.25	1/2	1,412.48	1/2	1,755.70	1/2	2,098.92	1/2	2,442.15	1/2	2,785.36	1/2	3,128.52
3/4	85.99	3/4	392.06	3/4	733.47	3/4	1,076.40	3/4	1,419.63	3/4	1,762.85	3/4	2,106.08	3/4	2,449.30	3/4	2,792.51	3/4	3,135.67
4	91.83	4	398.92	4	740.62	4	1,083.55	4	1,426.78	4	1,770.00	4	2,113.23	4	2,456.45	4	2,799.66	4	3,142.81
1/4	97.77	1/4	405.86	1/4	747.77	1/4	1,090.70	1/4	1,433.93	1/4	1,777.15	1/4	2,120.38	1/4	2,463.60	1/4	2,806.81	1/4	3,149.96
1/2	103.71	1/2	412.80	1/2	754.92	1/2	1,097.85	1/2	1,441.08	1/2	1,784.30	1/2	2,127.53	1/2	2,470.75	1/2	2,813.96	1/2	3,157.11
3/4	109.64	3/4	419.74	3/4	762.07	3/4	1,105.01	3/4	1,448.23	3/4	1,791.45	3/4	2,134.68	3/4	2,477.90	3/4	2,821.11	3/4	3,164.26
5	115.58	5	426.68	5	769.23	5	1,112.16	5	1,455.38	5	1,798.60	5	2,141.83	5	2,485.05	5	2,828.26	5	3,171.41
1/4	121.60	1/4	433.71	1/4	776.37	1/4	1,119.31	1/4	1,462.53	1/4	1,805.75	1/4	2,148.98	1/4	2,492.20	1/4	2,835.41	1/4	3,178.55
1/2	127.62	1/2	440.73	1/2	783.52	1/2	1,126.46	1/2	1,469.68	1/2	1,812.90	1/2	2,156.13	1/2	2,499.35	1/2	2,842.56	1/2	3,185.70
3/4	133.64	3/4	447.76	3/4	790.67	3/4	1,133.61	3/4	1,476.83	3/4	1,820.06	3/4	2,163.28	3/4	2,506.50	3/4	2,849.71	3/4	3,192.85
6	139.67	6	454.78	6	797.82	6	1,140.76	6	1,483.98	6	1,827.21	6	2,170.43	6	2,513.65	6	2,856.86	6	3,200.00
1/4	145.77	1/4	461.89	1/4	804.97	1/4	1,147.91	1/4	1,491.13	1/4	1,834.36	1/4	2,177.58	1/4	2,520.80	1/4	2,864.01	1/4	3,207.15
1/2	151.88	1/2	469.00	1/2	812.11	1/2	1,155.06	1/2	1,498.28	1/2	1,841.51	1/2	2,184.73	1/2	2,527.95	1/2	2,871.16	1/2	3,214.29
3/4	157.98	3/4	476.11	3/4	819.25	3/4	1,162.21	3/4	1,505.43	3/4	1,848.66	3/4	2,191.88	3/4	2,535.11	3/4	2,878.30	3/4	3,221.44
7	164.09	7	483.22	7	826.39	7	1,169.36	7	1,512.58	7	1,855.81	7	2,199.03	7	2,542.26	7	2,885.45	7	3,228.59
1/4	170.27	1/4	490.37	1/4	833.53	1/4	1,176.51	1/4	1,519.73	1/4	1,862.96	1/4	2,206.18	1/4	2,549.41	1/4	2,892.60	1/4	3,235.74
1/2	176.46	1/2	497.52	1/2	840.67	1/2	1,183.66	1/2	1,526.88	1/2	1,870.11	1/2	2,213.33	1/2	2,556.56	1/2	2,899.75	1/2	3,242.89
3/4	182.65	3/4	504.67	3/4	847.81	3/4	1,190.81	3/4	1,534.04	3/4	1,877.26	3/4	2,220.48	3/4	2,563.71	3/4	2,906.90	3/4	3,250.03
8	188.84	8	511.82	8	854.96	8	1,197.96	8	1,541.19	8	1,884.41	8	2,227.63	8	2,570.86	8	2,914.05	8	3,257.18
1/4	195.11	1/4	518.97	1/4	862.10	1/4	1,205.11	1/4	1,548.34	1/4	1,891.56	1/4	2,234.78	1/4	2,578.01	1/4	2,921.20	1/4	3,264.33
1/2	201.39	1/2	526.12	1/2	869.24	1/2	1,212.26	1/2	1,555.49	1/2	1,898.71	1/2	2,241.93	1/2	2,585.16	1/2	2,928.35	1/2	3,271.48
3/4	207.66	3/4	533.27	3/4	876.38	3/4	1,219.41	3/4	1,562.64	3/4	1,905.86	3/4	2,249.09	3/4	2,592.31	3/4	2,935.50	3/4	3,278.63
9	213.93	9	540.42	9	883.52	9	1,226.56	9	1,569.79	9	1,913.01	9	2,256.24	9	2,599.46	9	2,942.65	9	3,285.78
1/4	220.29	1/4	547.57	1/4	890.66	1/4	1,233.71	1/4	1,576.94	1/4	1,920.16	1/4	2,263.39	1/4	2,606.61	1/4	2,949.80	1/4	3,292.92
1/2	226.64	1/2	554.72	1/2	897.80	1/2	1,240.86	1/2	1,584.09	1/2	1,927.31	1/2	2,270.54	1/2	2,613.76	1/2	2,956.95	1/2	3,300.07
3/4	233.00	3/4	561.87	3/4	904.95	3/4	1,248.02	3/4	1,591.24	3/4	1,934.46	3/4	2,277.69	3/4	2,620.91	3/4	2,964.10	3/4	3,307.22
10	239.35	10	569.02	10	912.09	10	1,255.17	10	1,598.39	10	1,941.61	10	2,284.84	10	2,628.06	10	2,971.25	10	3,314.37
1/4	245.79	1/4	576.17	1/4	919.23	1/4	1,262.32	1/4	1,605.54	1/4	1,948.76	1/4	2,291.99	1/4	2,635.21	1/4	2,978.40	1/4	3,321.52
1/2	252.23	1/2	583.32	1/2	926.37	1/2	1,269.47	1/2	1,612.69	1/2	1,955.91	1/2	2,299.14	1/2	2,642.36	1/2	2,985.55	1/2	3,328.66
3/4	258.67	3/4	590.47	3/4	933.51	3/4	1,276.62	3/4	1,619.84	3/4	1,963.07	3/4	2,306.29	3/4	2,649.51	3/4	2,992.70	3/4	3,335.81
11	265.11	11	597.62	11	940.65	11	1,283.77	11	1,626.99	11	1,970.22	11	2,313.44	11	2,656.66	11	2,999.85	11	3,342.96
1/4	271.64	1/4	604.77	1/4	947.80	1/4	1,290.92	1/4	1,634.14	1/4	1,977.37	1/4	2,320.59	1/4	2,663.81	1/4	3,007.00	1/4	3,350.11
1/2	278.16	1/2	611.92	1/2	954.94	1/2	1,298.07	1/2	1,641.29	1/2	1,984.52	1/2	2,327.74	1/2	2,670.96	1/2	3,014.15	1/2	3,357.26
3/4	284.68	3/4	619.07	3/4	962.08	3/4	1,305.22	3/4	1,648.44	3/4	1,991.67	3/4	2,334.89	3/4	2,678.11	3/4	3,021.30	3/4	3,364.40

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.  
GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**1 STBD**  
**INNAGE TABLE**  
**HERMETIC**  
**GAUGE HEIGHT 16'-05"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,371.55	0	3,714.68	0	4,057.88	0	4,400.42	0	4,742.06	0		0		0		0		0	
1/4	3,378.70	1/4	3,721.83	1/4	4,065.03	1/4	4,407.54	1/4	4,749.18	1/4		1/4		1/4		1/4		1/4	
1/2	3,385.85	1/2	3,728.98	1/2	4,072.18	1/2	4,414.66	1/2	4,756.29	1/2		1/2		1/2		1/2		1/2	
3/4	3,393.00	3/4	3,736.13	3/4	4,079.33	3/4	4,421.78	3/4	4,763.41	3/4		3/4		3/4		3/4		3/4	
1	3,400.15	1	3,743.28	1	4,086.48	1	4,428.89	1	4,770.53	1		1		1		1		1	
1/4	3,407.29	1/4	3,750.43	1/4	4,093.63	1/4	4,436.01	1/4	4,777.65	1/4		1/4		1/4		1/4		1/4	
1/2	3,414.44	1/2	3,757.58	1/2	4,100.78	1/2	4,443.13	1/2	4,784.76	1/2		1/2		1/2		1/2		1/2	
3/4	3,421.59	3/4	3,764.73	3/4	4,107.93	3/4	4,450.25	3/4	4,791.88	3/4		3/4		3/4		3/4		3/4	
2	3,428.74	2	3,771.88	2	4,115.08	2	4,457.36	2	4,799.00	2		2		2		2		2	
1/4	3,435.89	1/4	3,779.03	1/4	4,122.23	1/4	4,464.48	1/4	4,806.12	1/4		1/4		1/4		1/4		1/4	
1/2	3,443.03	1/2	3,786.18	1/2	4,129.38	1/2	4,471.60	1/2	4,813.23	1/2		1/2		1/2		1/2		1/2	
3/4	3,450.18	3/4	3,793.33	3/4	4,136.53	3/4	4,478.71	3/4	4,820.35	3/4		3/4		3/4		3/4		3/4	
3	3,457.33	3	3,800.48	3	4,143.68	3	4,485.83	3	4,827.47	3		3		3		3		3	
1/4	3,464.48	1/4	3,807.63	1/4	4,150.83	1/4	4,492.95	1/4	4,834.54	1/4		1/4		1/4		1/4		1/4	
1/2	3,471.63	1/2	3,814.78	1/2	4,157.98	1/2	4,500.07	1/2	4,841.61	1/2		1/2		1/2		1/2		1/2	
3/4	3,478.77	3/4	3,821.93	3/4	4,165.13	3/4	4,507.18	3/4	4,848.68	3/4		3/4		3/4		3/4		3/4	
4	3,485.92	4	3,829.08	4	4,172.28	4	4,514.30	4	4,855.76	4		4		4		4		4	
1/4	3,493.07	1/4	3,836.23	1/4	4,179.43	1/4	4,521.42	1/4	4,862.83	1/4		1/4		1/4		1/4		1/4	
1/2	3,500.22	1/2	3,843.38	1/2	4,186.58	1/2	4,528.54	1/2	4,869.90	1/2		1/2		1/2		1/2		1/2	
3/4	3,507.37	3/4	3,850.53	3/4	4,193.73	3/4	4,535.65	3/4	4,876.97	3/4		3/4		3/4		3/4		3/4	
5	3,514.51	5	3,857.68	5	4,200.88	5	4,542.77	5	4,884.05	5		5		5		5		5	
1/4	3,521.66	1/4	3,864.83	1/4	4,208.03	1/4	4,549.89	1/4	4,891.12	1/4		1/4		1/4		1/4		1/4	
1/2	3,528.81	1/2	3,871.98	1/2	4,215.18	1/2	4,557.01	1/2	4,898.19	1/2		1/2		1/2		1/2		1/2	
3/4	3,535.96	3/4	3,879.13	3/4	4,222.33	3/4	4,564.12	3/4	4,905.26	3/4		3/4		3/4		3/4		3/4	
6	3,543.11	6	3,886.28	6	4,229.48	6	4,571.24	6	4,912.33	6		6		6		6		6	
1/4	3,550.26	1/4	3,893.43	1/4	4,236.63	1/4	4,578.36	1/4	4,919.39	1/4		1/4		1/4		1/4		1/4	
1/2	3,557.40	1/2	3,900.58	1/2	4,243.78	1/2	4,585.48	1/2	4,926.44	1/2		1/2		1/2		1/2		1/2	
3/4	3,564.55	3/4	3,907.73	3/4	4,250.93	3/4	4,592.59	3/4	4,933.50	3/4		3/4		3/4		3/4		3/4	
7	3,571.70	7	3,914.88	7	4,258.08	7	4,599.71	7	4,940.56	7		7		7		7		7	
1/4	3,578.85	1/4	3,922.03	1/4	4,265.19	1/4	4,606.83	1/4	4,947.56	1/4		1/4		1/4		1/4		1/4	
1/2	3,586.00	1/2	3,929.18	1/2	4,272.31	1/2	4,613.95	1/2	4,954.57	1/2		1/2		1/2		1/2		1/2	
3/4	3,593.14	3/4	3,936.33	3/4	4,279.43	3/4	4,621.06	3/4	4,961.57	3/4		3/4		3/4		3/4		3/4	
8	3,600.29	8	3,943.48	8	4,286.55	8	4,628.18	8	4,968.57	8		8		8		8		8	
1/4	3,607.44	1/4	3,950.63	1/4	4,293.66	1/4	4,635.30	1/4	4,974.75	1/4		1/4		1/4		1/4		1/4	
1/2	3,614.59	1/2	3,957.78	1/2	4,300.78	1/2	4,642.42	1/2	4,980.93	1/2		1/2		1/2		1/2		1/2	
3/4	3,621.74	3/4	3,964.93	3/4	4,307.90	3/4	4,649.53	3/4	4,987.11	3/4		3/4		3/4		3/4		3/4	
9	3,628.88	9	3,972.08	9	4,315.01	9	4,656.65	9	4,993.29	9		9		9		9		9	
1/4	3,636.03	1/4	3,979.23	1/4	4,322.13	1/4	4,663.77	1/4	4,998.28	1/4		1/4		1/4		1/4		1/4	
1/2	3,643.18	1/2	3,986.38	1/2	4,329.25	1/2	4,670.88	1/2	5,003.26	1/2		1/2		1/2		1/2		1/2	
3/4	3,650.33	3/4	3,993.53	3/4	4,336.37	3/4	4,678.00	3/4	5,008.25	3/4		3/4		3/4		3/4		3/4	
10	3,657.48	10	4,000.68	10	4,343.48	10	4,685.12	10	5,013.24	10		10		10		10		10	
1/4	3,664.63	1/4	4,007.83	1/4	4,350.60	1/4	4,692.24	1/4	5,017.03	1/4		1/4		1/4		1/4		1/4	
1/2	3,671.78	1/2	4,014.98	1/2	4,357.72	1/2	4,699.35	1/2	5,020.83	1/2		1/2		1/2		1/2		1/2	
3/4	3,678.93	3/4	4,022.13	3/4	4,364.84	3/4	4,706.47	3/4	5,024.62	3/4		3/4		3/4		3/4		3/4	
11	3,686.08	11	4,029.28	11	4,371.95	11	4,713.59	11	5,028.42	11		11		11		11		11	
1/4	3,693.23	1/4	4,036.43	1/4	4,379.07	1/4	4,720.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,700.38	1/2	4,043.58	1/2	4,386.19	1/2	4,727.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,707.53	3/4	4,050.73	3/4	4,393.31	3/4	4,734.94	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/25/2020 CL  
CALCULATED: 08/26/2020 CL  
PRINTED: 08/26/2020 JS

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**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**2 PORT  
INNAGE TABLE**

**HERMETIC  
GAUGE HEIGHT 16'-05 1/4"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	14.61	0	342.16	0	684.15	0	1,016.47	0	1,353.70	0	1,695.71	0	2,037.71	0	2,379.72	0	2,721.72	0	3,063.72
1/4	19.07	1/4	349.28	1/4	691.27	1/4	1,023.29	1/4	1,360.83	1/4	1,702.83	1/4	2,044.84	1/4	2,386.84	1/4	2,728.85	1/4	3,070.84
1/2	23.52	1/2	356.41	1/2	698.40	1/2	1,030.10	1/2	1,367.95	1/2	1,709.96	1/2	2,051.96	1/2	2,393.97	1/2	2,735.97	1/2	3,077.96
3/4	27.97	3/4	363.53	3/4	705.52	3/4	1,036.92	3/4	1,375.08	3/4	1,717.08	3/4	2,059.09	3/4	2,401.09	3/4	2,743.10	3/4	3,085.08
1	32.42	1	370.66	1	712.65	1	1,043.74	1	1,382.20	1	1,724.21	1	2,066.21	1	2,408.22	1	2,750.22	1	3,092.21
1/4	38.66	1/4	377.78	1/4	719.77	1/4	1,050.56	1/4	1,389.33	1/4	1,731.33	1/4	2,073.34	1/4	2,415.34	1/4	2,757.35	1/4	3,099.33
1/2	44.89	1/2	384.90	1/2	726.90	1/2	1,057.38	1/2	1,396.45	1/2	1,738.46	1/2	2,080.46	1/2	2,422.47	1/2	2,764.47	1/2	3,106.45
3/4	51.12	3/4	392.03	3/4	734.02	3/4	1,064.20	3/4	1,403.58	3/4	1,745.58	3/4	2,087.59	3/4	2,429.59	3/4	2,771.60	3/4	3,113.58
2	57.36	2	399.15	2	741.14	2	1,071.02	2	1,410.70	2	1,752.71	2	2,094.71	2	2,436.72	2	2,778.72	2	3,120.70
1/4	64.44	1/4	406.28	1/4	748.27	1/4	1,077.84	1/4	1,417.83	1/4	1,759.83	1/4	2,101.84	1/4	2,443.84	1/4	2,785.85	1/4	3,127.82
1/2	71.53	1/2	413.40	1/2	755.39	1/2	1,084.67	1/2	1,424.95	1/2	1,766.96	1/2	2,108.96	1/2	2,450.97	1/2	2,792.97	1/2	3,134.95
3/4	78.62	3/4	420.53	3/4	762.52	3/4	1,091.50	3/4	1,432.08	3/4	1,774.08	3/4	2,116.09	3/4	2,458.09	3/4	2,800.10	3/4	3,142.07
3	85.71	3	427.65	3	769.64	3	1,098.32	3	1,439.20	3	1,781.21	3	2,123.21	3	2,465.22	3	2,807.22	3	3,149.19
1/4	92.82	1/4	434.78	1/4	776.77	1/4	1,105.17	1/4	1,446.33	1/4	1,788.33	1/4	2,130.34	1/4	2,472.34	1/4	2,814.35	1/4	3,156.31
1/2	99.94	1/2	441.90	1/2	783.89	1/2	1,112.01	1/2	1,453.45	1/2	1,795.46	1/2	2,137.46	1/2	2,479.47	1/2	2,821.47	1/2	3,163.44
3/4	107.05	3/4	449.03	3/4	791.02	3/4	1,118.85	3/4	1,460.58	3/4	1,802.58	3/4	2,144.59	3/4	2,486.59	3/4	2,828.60	3/4	3,170.56
4	114.17	4	456.15	4	798.14	4	1,125.70	4	1,467.70	4	1,809.71	4	2,151.71	4	2,493.72	4	2,835.72	4	3,177.68
1/4	121.29	1/4	463.28	1/4	804.99	1/4	1,132.82	1/4	1,474.83	1/4	1,816.83	1/4	2,158.84	1/4	2,500.84	1/4	2,842.85	1/4	3,184.81
1/2	128.41	1/2	470.40	1/2	811.83	1/2	1,139.95	1/2	1,481.95	1/2	1,823.96	1/2	2,165.96	1/2	2,507.97	1/2	2,849.97	1/2	3,191.93
3/4	135.54	3/4	477.53	3/4	818.67	3/4	1,147.07	3/4	1,489.08	3/4	1,831.08	3/4	2,173.09	3/4	2,515.09	3/4	2,857.10	3/4	3,199.05
5	142.66	5	484.65	5	825.52	5	1,154.20	5	1,496.20	5	1,838.21	5	2,180.21	5	2,522.22	5	2,864.22	5	3,206.17
1/4	149.79	1/4	491.78	1/4	832.34	1/4	1,161.32	1/4	1,503.33	1/4	1,845.33	1/4	2,187.34	1/4	2,529.34	1/4	2,871.35	1/4	3,213.30
1/2	156.91	1/2	498.90	1/2	839.17	1/2	1,168.45	1/2	1,510.45	1/2	1,852.46	1/2	2,194.46	1/2	2,536.47	1/2	2,878.47	1/2	3,220.42
3/4	164.04	3/4	506.03	3/4	846.00	3/4	1,175.57	3/4	1,517.58	3/4	1,859.58	3/4	2,201.59	3/4	2,543.59	3/4	2,885.60	3/4	3,227.54
6	171.16	6	513.15	6	852.82	6	1,182.70	6	1,524.70	6	1,866.71	6	2,208.71	6	2,550.72	6	2,892.72	6	3,234.67
1/4	178.29	1/4	520.28	1/4	859.64	1/4	1,189.82	1/4	1,531.83	1/4	1,873.83	1/4	2,215.84	1/4	2,557.84	1/4	2,899.85	1/4	3,241.79
1/2	185.41	1/2	527.40	1/2	866.46	1/2	1,196.95	1/2	1,538.95	1/2	1,880.96	1/2	2,222.96	1/2	2,564.97	1/2	2,906.97	1/2	3,248.91
3/4	192.54	3/4	534.53	3/4	873.28	3/4	1,204.07	3/4	1,546.08	3/4	1,888.08	3/4	2,230.09	3/4	2,572.09	3/4	2,914.10	3/4	3,256.03
7	199.66	7	541.65	7	880.10	7	1,211.20	7	1,553.20	7	1,895.21	7	2,237.21	7	2,579.22	7	2,921.22	7	3,263.16
1/4	206.78	1/4	548.78	1/4	886.92	1/4	1,218.32	1/4	1,560.33	1/4	1,902.33	1/4	2,244.34	1/4	2,586.34	1/4	2,928.35	1/4	3,270.28
1/2	213.91	1/2	555.90	1/2	893.73	1/2	1,225.45	1/2	1,567.45	1/2	1,909.46	1/2	2,251.46	1/2	2,593.47	1/2	2,935.47	1/2	3,277.40
3/4	221.03	3/4	563.02	3/4	900.55	3/4	1,232.57	3/4	1,574.58	3/4	1,916.58	3/4	2,258.59	3/4	2,600.59	3/4	2,942.60	3/4	3,284.53
8	228.16	8	570.15	8	907.37	8	1,239.70	8	1,581.70	8	1,923.71	8	2,265.71	8	2,607.72	8	2,949.72	8	3,291.65
1/4	235.28	1/4	577.27	1/4	914.19	1/4	1,246.82	1/4	1,588.83	1/4	1,930.83	1/4	2,272.84	1/4	2,614.84	1/4	2,956.85	1/4	3,298.77
1/2	242.41	1/2	584.40	1/2	921.01	1/2	1,253.95	1/2	1,595.95	1/2	1,937.96	1/2	2,279.96	1/2	2,621.97	1/2	2,963.97	1/2	3,305.89
3/4	249.53	3/4	591.52	3/4	927.83	3/4	1,261.07	3/4	1,603.08	3/4	1,945.08	3/4	2,287.09	3/4	2,629.09	3/4	2,971.10	3/4	3,313.02
9	256.66	9	598.65	9	934.64	9	1,268.20	9	1,610.20	9	1,952.21	9	2,294.21	9	2,636.22	9	2,978.22	9	3,320.14
1/4	263.78	1/4	605.77	1/4	941.46	1/4	1,275.32	1/4	1,617.33	1/4	1,959.33	1/4	2,301.34	1/4	2,643.34	1/4	2,985.35	1/4	3,327.26
1/2	270.91	1/2	612.90	1/2	948.28	1/2	1,282.45	1/2	1,624.45	1/2	1,966.46	1/2	2,308.46	1/2	2,650.47	1/2	2,992.47	1/2	3,334.39
3/4	278.03	3/4	620.02	3/4	955.10	3/4	1,289.58	3/4	1,631.58	3/4	1,973.58	3/4	2,315.59	3/4	2,657.59	3/4	2,999.60	3/4	3,341.51
10	285.16	10	627.15	10	961.92	10	1,296.70	10	1,638.70	10	1,980.71	10	2,322.71	10	2,664.72	10	3,006.72	10	3,348.63
1/4	292.28	1/4	634.27	1/4	968.74	1/4	1,303.83	1/4	1,645.83	1/4	1,987.83	1/4	2,329.84	1/4	2,671.84	1/4	3,013.85	1/4	3,355.76
1/2	299.41	1/2	641.40	1/2	975.56	1/2	1,310.95	1/2	1,652.96	1/2	1,994.96	1/2	2,336.96	1/2	2,678.97	1/2	3,020.97	1/2	3,362.88
3/4	306.53	3/4	648.52	3/4	982.37	3/4	1,318.08	3/4	1,660.08	3/4	2,002.09	3/4	2,344.09	3/4	2,686.09	3/4	3,028.10	3/4	3,370.00
11	313.66	11	655.65	11	989.19	11	1,325.20	11	1,667.21	11	2,009.21	11	2,351.21	11	2,693.22	11	3,035.22	11	3,377.12
1/4	320.78	1/4	662.77	1/4	996.01	1/4	1,332.33	1/4	1,674.33	1/4	2,016.34	1/4	2,358.34	1/4	2,700.34	1/4	3,042.35	1/4	3,384.25
1/2	327.91	1/2	669.90	1/2	1,002.83	1/2	1,339.45	1/2	1,681.46	1/2	2,023.46	1/2	2,365.47	1/2	2,707.47	1/2	3,049.47	1/2	3,391.37
3/4	335.03	3/4	677.02	3/4	1,009.65	3/4	1,346.58	3/4	1,688.58	3/4	2,030.59	3/4	2,372.59	3/4	2,714.60	3/4	3,056.59	3/4	3,398.49

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.  
GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**2 PORT**  
**INNAGE TABLE**  
**HERMETIC**  
**GAUGE HEIGHT 16'-05 1/4"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,405.62	0	3,747.51	0	4,089.41	0	4,430.66	0	4,771.01	0		0		0		0		0	
1/4	3,412.74	1/4	3,754.64	1/4	4,096.54	1/4	4,437.76	1/4	4,778.10	1/4		1/4		1/4		1/4		1/4	
1/2	3,419.86	1/2	3,761.76	1/2	4,103.66	1/2	4,444.85	1/2	4,785.19	1/2		1/2		1/2		1/2		1/2	
3/4	3,426.98	3/4	3,768.88	3/4	4,110.78	3/4	4,451.94	3/4	4,792.28	3/4		3/4		3/4		3/4		3/4	
1	3,434.11	1	3,776.01	1	4,117.91	1	4,459.03	1	4,799.37	1		1		1		1		1	
1/4	3,441.23	1/4	3,783.13	1/4	4,125.03	1/4	4,466.12	1/4	4,806.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,448.35	1/2	3,790.25	1/2	4,132.15	1/2	4,473.21	1/2	4,813.55	1/2		1/2		1/2		1/2		1/2	
3/4	3,455.48	3/4	3,797.37	3/4	4,139.27	3/4	4,480.30	3/4	4,820.64	3/4		3/4		3/4		3/4		3/4	
2	3,462.60	2	3,804.50	2	4,146.40	2	4,487.39	2	4,827.73	2		2		2		2		2	
1/4	3,469.72	1/4	3,811.62	1/4	4,153.52	1/4	4,494.48	1/4	4,834.82	1/4		1/4		1/4		1/4		1/4	
1/2	3,476.84	1/2	3,818.74	1/2	4,160.64	1/2	4,501.57	1/2	4,841.91	1/2		1/2		1/2		1/2		1/2	
3/4	3,483.97	3/4	3,825.87	3/4	4,167.77	3/4	4,508.66	3/4	4,849.00	3/4		3/4		3/4		3/4		3/4	
3	3,491.09	3	3,832.99	3	4,174.89	3	4,515.75	3	4,856.09	3		3		3		3		3	
1/4	3,498.21	1/4	3,840.11	1/4	4,182.01	1/4	4,522.84	1/4	4,863.14	1/4		1/4		1/4		1/4		1/4	
1/2	3,505.34	1/2	3,847.24	1/2	4,189.13	1/2	4,529.93	1/2	4,870.19	1/2		1/2		1/2		1/2		1/2	
3/4	3,512.46	3/4	3,854.36	3/4	4,196.26	3/4	4,537.02	3/4	4,877.23	3/4		3/4		3/4		3/4		3/4	
4	3,519.58	4	3,861.48	4	4,203.38	4	4,544.11	4	4,884.28	4		4		4		4		4	
1/4	3,526.70	1/4	3,868.60	1/4	4,210.50	1/4	4,551.20	1/4	4,891.33	1/4		1/4		1/4		1/4		1/4	
1/2	3,533.83	1/2	3,875.73	1/2	4,217.63	1/2	4,558.29	1/2	4,898.37	1/2		1/2		1/2		1/2		1/2	
3/4	3,540.95	3/4	3,882.85	3/4	4,224.75	3/4	4,565.38	3/4	4,905.42	3/4		3/4		3/4		3/4		3/4	
5	3,548.07	5	3,889.97	5	4,231.87	5	4,572.47	5	4,912.47	5		5		5		5		5	
1/4	3,555.20	1/4	3,897.10	1/4	4,238.99	1/4	4,579.57	1/4	4,919.51	1/4		1/4		1/4		1/4		1/4	
1/2	3,562.32	1/2	3,904.22	1/2	4,246.12	1/2	4,586.66	1/2	4,926.55	1/2		1/2		1/2		1/2		1/2	
3/4	3,569.44	3/4	3,911.34	3/4	4,253.24	3/4	4,593.75	3/4	4,933.59	3/4		3/4		3/4		3/4		3/4	
6	3,576.56	6	3,918.46	6	4,260.36	6	4,600.84	6	4,940.64	6		6		6		6		6	
1/4	3,583.69	1/4	3,925.59	1/4	4,267.49	1/4	4,607.93	1/4	4,947.67	1/4		1/4		1/4		1/4		1/4	
1/2	3,590.81	1/2	3,932.71	1/2	4,274.61	1/2	4,615.02	1/2	4,954.70	1/2		1/2		1/2		1/2		1/2	
3/4	3,597.93	3/4	3,939.83	3/4	4,281.73	3/4	4,622.11	3/4	4,961.73	3/4		3/4		3/4		3/4		3/4	
7	3,605.06	7	3,946.96	7	4,288.85	7	4,629.20	7	4,968.76	7		7		7		7		7	
1/4	3,612.18	1/4	3,954.08	1/4	4,295.95	1/4	4,636.29	1/4	4,975.74	1/4		1/4		1/4		1/4		1/4	
1/2	3,619.30	1/2	3,961.20	1/2	4,303.04	1/2	4,643.38	1/2	4,982.72	1/2		1/2		1/2		1/2		1/2	
3/4	3,626.43	3/4	3,968.32	3/4	4,310.13	3/4	4,650.47	3/4	4,989.69	3/4		3/4		3/4		3/4		3/4	
8	3,633.55	8	3,975.45	8	4,317.22	8	4,657.56	8	4,996.67	8		8		8		8		8	
1/4	3,640.67	1/4	3,982.57	1/4	4,324.31	1/4	4,664.65	1/4	5,002.83	1/4		1/4		1/4		1/4		1/4	
1/2	3,647.79	1/2	3,989.69	1/2	4,331.40	1/2	4,671.74	1/2	5,008.98	1/2		1/2		1/2		1/2		1/2	
3/4	3,654.92	3/4	3,996.82	3/4	4,338.49	3/4	4,678.83	3/4	5,015.14	3/4		3/4		3/4		3/4		3/4	
9	3,662.04	9	4,003.94	9	4,345.58	9	4,685.92	9	5,021.29	9		9		9		9		9	
1/4	3,669.16	1/4	4,011.06	1/4	4,352.67	1/4	4,693.01	1/4	5,026.26	1/4		1/4		1/4		1/4		1/4	
1/2	3,676.29	1/2	4,018.18	1/2	4,359.76	1/2	4,700.10	1/2	5,031.23	1/2		1/2		1/2		1/2		1/2	
3/4	3,683.41	3/4	4,025.31	3/4	4,366.85	3/4	4,707.19	3/4	5,036.20	3/4		3/4		3/4		3/4		3/4	
10	3,690.53	10	4,032.43	10	4,373.94	10	4,714.28	10	5,041.16	10		10		10		10		10	
1/4	3,697.65	1/4	4,039.55	1/4	4,381.03	1/4	4,721.38	1/4	5,044.94	1/4		1/4		1/4		1/4		1/4	
1/2	3,704.78	1/2	4,046.68	1/2	4,388.12	1/2	4,728.47	1/2	5,048.72	1/2		1/2		1/2		1/2		1/2	
3/4	3,711.90	3/4	4,053.80	3/4	4,395.21	3/4	4,735.56	3/4	5,052.50	3/4		3/4		3/4		3/4		3/4	
11	3,719.02	11	4,060.92	11	4,402.30	11	4,742.65	11	5,056.28	11		11		11		11		11	
1/4	3,726.15	1/4	4,068.05	1/4	4,409.39	1/4	4,749.74	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,733.27	1/2	4,075.17	1/2	4,416.48	1/2	4,756.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,740.39	3/4	4,082.29	3/4	4,423.57	3/4	4,763.92	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/25/2020 CL  
CALCULATED: 08/26/2020 CL  
PRINTED: 08/26/2020 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2020



**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**2 STBD**  
**INNAGE TABLE**

**HERMETIC**  
**GAUGE HEIGHT 16'-04 1/2"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	14.70	0	344.16	0	688.14	0	1,031.77	0	1,375.64	0	1,719.64	0	2,063.64	0	2,407.64	0	2,751.65	0	3,095.64
1/4	19.18	1/4	351.32	1/4	695.31	1/4	1,038.93	1/4	1,382.81	1/4	1,726.81	1/4	2,070.81	1/4	2,414.81	1/4	2,758.81	1/4	3,102.80
1/2	23.66	1/2	358.49	1/2	702.48	1/2	1,046.08	1/2	1,389.97	1/2	1,733.97	1/2	2,077.98	1/2	2,421.98	1/2	2,765.98	1/2	3,109.97
3/4	28.14	3/4	365.65	3/4	709.64	3/4	1,053.23	3/4	1,397.14	3/4	1,741.14	3/4	2,085.14	3/4	2,429.14	3/4	2,773.15	3/4	3,117.13
1	32.61	1	372.82	1	716.81	1	1,060.39	1	1,404.31	1	1,748.31	1	2,092.31	1	2,436.31	1	2,880.31	1	3,224.30
1/4	38.88	1/4	379.99	1/4	723.97	1/4	1,067.54	1/4	1,411.47	1/4	1,755.47	1/4	2,099.48	1/4	2,443.48	1/4	2,787.48	1/4	3,131.46
1/2	45.15	1/2	387.15	1/2	731.14	1/2	1,074.69	1/2	1,418.64	1/2	1,762.64	1/2	2,106.64	1/2	2,450.64	1/2	2,794.65	1/2	3,138.63
3/4	51.42	3/4	394.32	3/4	738.31	3/4	1,081.84	3/4	1,425.81	3/4	1,769.81	3/4	2,113.81	3/4	2,457.81	3/4	2,801.81	3/4	3,145.79
2	57.69	2	401.49	2	745.47	2	1,089.00	2	1,432.97	2	1,776.97	2	2,120.98	2	2,464.98	2	2,808.98	2	3,152.95
1/4	64.82	1/4	408.65	1/4	752.64	1/4	1,096.16	1/4	1,440.14	1/4	1,784.14	1/4	2,128.14	1/4	2,472.14	1/4	2,816.15	1/4	3,160.12
1/2	71.95	1/2	415.82	1/2	759.81	1/2	1,103.32	1/2	1,447.31	1/2	1,791.31	1/2	2,135.31	1/2	2,479.31	1/2	2,823.31	1/2	3,167.28
3/4	79.08	3/4	422.99	3/4	766.97	3/4	1,110.48	3/4	1,454.47	3/4	1,798.47	3/4	2,142.48	3/4	2,486.48	3/4	2,830.48	3/4	3,174.45
3	86.21	3	430.15	3	774.14	3	1,117.64	3	1,461.64	3	1,805.64	3	2,149.64	3	2,493.64	3	2,837.65	3	3,181.61
1/4	93.37	1/4	437.32	1/4	781.31	1/4	1,124.80	1/4	1,468.81	1/4	1,812.81	1/4	2,156.81	1/4	2,500.81	1/4	2,844.81	1/4	3,188.78
1/2	100.52	1/2	444.48	1/2	788.47	1/2	1,131.97	1/2	1,475.97	1/2	1,819.97	1/2	2,163.98	1/2	2,507.98	1/2	2,851.98	1/2	3,195.94
3/4	107.68	3/4	451.65	3/4	795.64	3/4	1,139.14	3/4	1,483.14	3/4	1,827.14	3/4	2,171.14	3/4	2,515.14	3/4	2,859.15	3/4	3,203.11
4	114.84	4	458.82	4	802.80	4	1,146.30	4	1,490.31	4	1,834.31	4	2,178.31	4	2,522.31	4	2,866.31	4	3,210.27
1/4	122.00	1/4	465.98	1/4	809.97	1/4	1,153.47	1/4	1,497.47	1/4	1,841.47	1/4	2,185.48	1/4	2,529.48	1/4	2,873.48	1/4	3,217.43
1/2	129.17	1/2	473.15	1/2	817.14	1/2	1,160.64	1/2	1,504.64	1/2	1,848.64	1/2	2,192.64	1/2	2,536.64	1/2	2,880.65	1/2	3,224.60
3/4	136.33	3/4	480.32	3/4	824.30	3/4	1,167.80	3/4	1,511.81	3/4	1,855.81	3/4	2,199.81	3/4	2,543.81	3/4	2,887.81	3/4	3,231.76
5	143.50	5	487.48	5	831.47	5	1,174.97	5	1,518.97	5	1,862.97	5	2,206.98	5	2,550.98	5	2,894.98	5	3,238.93
1/4	150.66	1/4	494.65	1/4	838.63	1/4	1,182.14	1/4	1,526.14	1/4	1,870.14	1/4	2,214.14	1/4	2,558.14	1/4	2,902.15	1/4	3,246.09
1/2	157.83	1/2	501.82	1/2	845.79	1/2	1,189.31	1/2	1,533.31	1/2	1,877.31	1/2	2,221.31	1/2	2,565.31	1/2	2,909.31	1/2	3,253.26
3/4	165.00	3/4	508.98	3/4	852.95	3/4	1,196.47	3/4	1,540.47	3/4	1,884.47	3/4	2,228.48	3/4	2,572.48	3/4	2,916.48	3/4	3,260.42
6	172.16	6	516.15	6	860.11	6	1,203.64	6	1,547.64	6	1,891.64	6	2,235.64	6	2,579.64	6	2,923.65	6	3,267.59
1/4	179.33	1/4	523.32	1/4	867.27	1/4	1,210.81	1/4	1,554.81	1/4	1,898.81	1/4	2,242.81	1/4	2,586.81	1/4	2,930.81	1/4	3,274.75
1/2	186.49	1/2	530.48	1/2	874.42	1/2	1,217.97	1/2	1,561.97	1/2	1,905.98	1/2	2,249.98	1/2	2,593.98	1/2	2,937.98	1/2	3,281.92
3/4	193.66	3/4	537.65	3/4	881.57	3/4	1,225.14	3/4	1,569.14	3/4	1,913.14	3/4	2,257.14	3/4	2,601.14	3/4	2,945.15	3/4	3,289.08
7	200.83	7	544.81	7	888.72	7	1,232.31	7	1,576.31	7	1,920.31	7	2,264.31	7	2,608.31	7	2,952.31	7	3,296.24
1/4	207.99	1/4	551.98	1/4	895.88	1/4	1,239.47	1/4	1,583.47	1/4	1,927.48	1/4	2,271.48	1/4	2,615.48	1/4	2,959.48	1/4	3,303.41
1/2	215.16	1/2	559.15	1/2	903.03	1/2	1,246.64	1/2	1,590.64	1/2	1,934.64	1/2	2,278.64	1/2	2,622.65	1/2	2,966.65	1/2	3,310.57
3/4	222.33	3/4	566.31	3/4	910.18	3/4	1,253.81	3/4	1,597.81	3/4	1,941.81	3/4	2,285.81	3/4	2,629.81	3/4	2,973.81	3/4	3,317.74
8	229.49	8	573.48	8	917.33	8	1,260.97	8	1,604.97	8	1,948.98	8	2,292.98	8	2,636.98	8	2,980.98	8	3,324.90
1/4	236.66	1/4	580.65	1/4	924.49	1/4	1,268.14	1/4	1,612.14	1/4	1,956.14	1/4	2,300.14	1/4	2,644.15	1/4	2,988.15	1/4	3,332.07
1/2	243.83	1/2	587.81	1/2	931.64	1/2	1,275.31	1/2	1,619.31	1/2	1,963.31	1/2	2,307.31	1/2	2,651.31	1/2	2,995.31	1/2	3,339.23
3/4	250.99	3/4	594.98	3/4	938.79	3/4	1,282.47	3/4	1,626.47	3/4	1,970.48	3/4	2,314.48	3/4	2,658.48	3/4	3,002.48	3/4	3,346.40
9	258.16	9	602.15	9	945.94	9	1,289.64	9	1,633.64	9	1,977.64	9	2,321.64	9	2,665.65	9	3,009.65	9	3,353.56
1/4	265.32	1/4	609.31	1/4	953.10	1/4	1,296.81	1/4	1,640.81	1/4	1,984.81	1/4	2,328.81	1/4	2,672.81	1/4	3,016.81	1/4	3,360.72
1/2	272.49	1/2	616.48	1/2	960.25	1/2	1,303.97	1/2	1,647.97	1/2	1,991.98	1/2	2,335.98	1/2	2,679.98	1/2	3,023.98	1/2	3,367.89
3/4	279.66	3/4	623.64	3/4	967.40	3/4	1,311.14	3/4	1,655.14	3/4	1,999.14	3/4	2,343.14	3/4	2,687.15	3/4	3,031.15	3/4	3,375.05
10	286.82	10	630.81	10	974.55	10	1,318.31	10	1,662.31	10	2,006.31	10	2,350.31	10	2,694.31	10	3,038.31	10	3,382.22
1/4	293.99	1/4	637.98	1/4	981.71	1/4	1,325.47	1/4	1,669.47	1/4	2,013.48	1/4	2,357.48	1/4	2,701.48	1/4	3,045.48	1/4	3,389.38
1/2	301.16	1/2	645.14	1/2	988.86	1/2	1,332.64	1/2	1,676.64	1/2	2,020.64	1/2	2,364.64	1/2	2,708.65	1/2	3,052.65	1/2	3,396.55
3/4	308.32	3/4	652.31	3/4	996.01	3/4	1,339.81	3/4	1,683.81	3/4	2,027.81	3/4	2,371.81	3/4	2,715.81	3/4	3,059.81	3/4	3,403.71
11	315.49	11	659.48	11	1,003.16	11	1,346.97	11	1,690.97	11	2,034.98	11	2,378.98	11	2,722.98	11	3,066.98	11	3,410.88
1/4	322.66	1/4	666.64	1/4	1,010.32	1/4	1,354.14	1/4	1,698.14	1/4	2,042.14	1/4	2,386.14	1/4	2,730.15	1/4	3,074.14	1/4	3,418.04
1/2	329.82	1/2	673.81	1/2	1,017.47	1/2	1,361.31	1/2	1,705.31	1/2	2,049.31	1/2	2,393.31	1/2	2,737.31	1/2	3,081.31	1/2	3,425.21
3/4	336.99	3/4	680.98	3/4	1,024.62	3/4	1,368.47	3/4	1,712.47	3/4	2,056.48	3/4	2,400.48	3/4	2,744.48	3/4	3,088.47	3/4	3,432.37

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.  
GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**2 STBD**  
**INNAGE TABLE**  
**HERMETIC**  
**GAUGE HEIGHT 16'-04 1/2"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,439.53	0	3,783.46	0	4,127.46	0	4,470.80	0	4,813.23	0		0		0		0		0	
1/4	3,446.70	1/4	3,790.62	1/4	4,134.63	1/4	4,477.94	1/4	4,820.37	1/4		1/4		1/4		1/4		1/4	
1/2	3,453.86	1/2	3,797.79	1/2	4,141.79	1/2	4,485.07	1/2	4,827.50	1/2		1/2		1/2		1/2		1/2	
3/4	3,461.03	3/4	3,804.96	3/4	4,148.96	3/4	4,492.21	3/4	4,834.63	3/4		3/4		3/4		3/4		3/4	
1	3,468.19	1	3,812.12	1	4,156.13	1	4,499.34	1	4,841.77	1		1		1		1		1	
1/4	3,475.36	1/4	3,819.29	1/4	4,163.29	1/4	4,506.47	1/4	4,848.90	1/4		1/4		1/4		1/4		1/4	
1/2	3,482.52	1/2	3,826.46	1/2	4,170.46	1/2	4,513.61	1/2	4,856.03	1/2		1/2		1/2		1/2		1/2	
3/4	3,489.69	3/4	3,833.62	3/4	4,177.63	3/4	4,520.74	3/4	4,863.17	3/4		3/4		3/4		3/4		3/4	
2	3,496.85	2	3,840.79	2	4,184.79	2	4,527.88	2	4,870.30	2		2		2		2		2	
1/4	3,504.01	1/4	3,847.96	1/4	4,191.96	1/4	4,535.01	1/4	4,877.44	1/4		1/4		1/4		1/4		1/4	
1/2	3,511.18	1/2	3,855.12	1/2	4,199.13	1/2	4,542.14	1/2	4,884.57	1/2		1/2		1/2		1/2		1/2	
3/4	3,518.34	3/4	3,862.29	3/4	4,206.29	3/4	4,549.28	3/4	4,891.70	3/4		3/4		3/4		3/4		3/4	
3	3,525.51	3	3,869.46	3	4,213.46	3	4,556.41	3	4,898.84	3		3		3		3		3	
1/4	3,532.67	1/4	3,876.62	1/4	4,220.63	1/4	4,563.54	1/4	4,905.93	1/4		1/4		1/4		1/4		1/4	
1/2	3,539.84	1/2	3,883.79	1/2	4,227.79	1/2	4,570.68	1/2	4,913.01	1/2		1/2		1/2		1/2		1/2	
3/4	3,547.00	3/4	3,890.96	3/4	4,234.96	3/4	4,577.81	3/4	4,920.10	3/4		3/4		3/4		3/4		3/4	
4	3,554.17	4	3,898.12	4	4,242.13	4	4,584.95	4	4,927.19	4		4		4		4		4	
1/4	3,561.33	1/4	3,905.29	1/4	4,249.29	1/4	4,592.08	1/4	4,934.28	1/4		1/4		1/4		1/4		1/4	
1/2	3,568.50	1/2	3,912.46	1/2	4,256.46	1/2	4,599.21	1/2	4,941.37	1/2		1/2		1/2		1/2		1/2	
3/4	3,575.66	3/4	3,919.62	3/4	4,263.63	3/4	4,606.35	3/4	4,948.46	3/4		3/4		3/4		3/4		3/4	
5	3,582.82	5	3,926.79	5	4,270.79	5	4,613.48	5	4,955.54	5		5		5		5		5	
1/4	3,589.99	1/4	3,933.96	1/4	4,277.96	1/4	4,620.62	1/4	4,962.63	1/4		1/4		1/4		1/4		1/4	
1/2	3,597.15	1/2	3,941.12	1/2	4,285.13	1/2	4,627.75	1/2	4,969.72	1/2		1/2		1/2		1/2		1/2	
3/4	3,604.32	3/4	3,948.29	3/4	4,292.29	3/4	4,634.88	3/4	4,976.81	3/4		3/4		3/4		3/4		3/4	
6	3,611.48	6	3,955.46	6	4,299.46	6	4,642.02	6	4,983.89	6		6		6		6		6	
1/4	3,618.65	1/4	3,962.62	1/4	4,306.63	1/4	4,649.15	1/4	4,990.97	1/4		1/4		1/4		1/4		1/4	
1/2	3,625.81	1/2	3,969.79	1/2	4,313.79	1/2	4,656.29	1/2	4,998.04	1/2		1/2		1/2		1/2		1/2	
3/4	3,632.98	3/4	3,976.96	3/4	4,320.96	3/4	4,663.42	3/4	5,005.12	3/4		3/4		3/4		3/4		3/4	
7	3,640.14	7	3,984.12	7	4,328.13	7	4,670.55	7	5,012.19	7		7		7		7		7	
1/4	3,647.30	1/4	3,991.29	1/4	4,335.26	1/4	4,677.69	1/4	5,019.21	1/4		1/4		1/4		1/4		1/4	
1/2	3,654.47	1/2	3,998.46	1/2	4,342.39	1/2	4,684.82	1/2	5,026.23	1/2		1/2		1/2		1/2		1/2	
3/4	3,661.63	3/4	4,005.62	3/4	4,349.53	3/4	4,691.95	3/4	5,033.25	3/4		3/4		3/4		3/4		3/4	
8	3,668.80	8	4,012.79	8	4,356.66	8	4,699.09	8	5,040.27	8		8		8		8		8	
1/4	3,675.96	1/4	4,019.96	1/4	4,363.80	1/4	4,706.22	1/4	5,046.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,683.13	1/2	4,027.12	1/2	4,370.93	1/2	4,713.36	1/2	5,052.66	1/2		1/2		1/2		1/2		1/2	
3/4	3,690.29	3/4	4,034.29	3/4	4,378.06	3/4	4,720.49	3/4	5,058.85	3/4		3/4		3/4		3/4		3/4	
9	3,697.46	9	4,041.46	9	4,385.20	9	4,727.62	9	5,065.04	9		9		9		9		9	
1/4	3,704.62	1/4	4,048.62	1/4	4,392.33	1/4	4,734.76	1/4	5,070.04	1/4		1/4		1/4		1/4		1/4	
1/2	3,711.79	1/2	4,055.79	1/2	4,399.47	1/2	4,741.89	1/2	5,075.04	1/2		1/2		1/2		1/2		1/2	
3/4	3,718.96	3/4	4,062.96	3/4	4,406.60	3/4	4,749.03	3/4	5,080.04	3/4		3/4		3/4		3/4		3/4	
10	3,726.12	10	4,070.12	10	4,413.73	10	4,756.16	10	5,085.04	10		10		10		10		10	
1/4	3,733.29	1/4	4,077.29	1/4	4,420.87	1/4	4,763.29	1/4	5,088.84	1/4		1/4		1/4		1/4		1/4	
1/2	3,740.46	1/2	4,084.46	1/2	4,428.00	1/2	4,770.43	1/2	5,092.64	1/2		1/2		1/2		1/2		1/2	
3/4	3,747.62	3/4	4,091.62	3/4	4,435.13	3/4	4,777.56	3/4	5,096.45	3/4		3/4		3/4		3/4		3/4	
11	3,754.79	11	4,098.79	11	4,442.27	11	4,784.70	11	5,100.25	11		11		11		11		11	
1/4	3,761.96	1/4	4,105.96	1/4	4,449.40	1/4	4,791.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,769.12	1/2	4,113.13	1/2	4,456.54	1/2	4,798.96	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,776.29	3/4	4,120.29	3/4	4,463.67	3/4	4,806.10	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/25/2020 CL  
CALCULATED: 08/26/2020 CL  
PRINTED: 08/26/2020 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2020



**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**3 PORT**  
**INNAGE TABLE**

**HERMETIC**  
**GAUGE HEIGHT 16'-05"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	14.63	0	342.55	0	684.41	0	1,016.63	0	1,353.78	0	1,695.54	0	2,037.30	0	2,379.06	0	2,720.78	0	3,062.67
1/4	19.09	1/4	349.68	1/4	691.53	1/4	1,023.44	1/4	1,360.90	1/4	1,702.66	1/4	2,044.42	1/4	2,386.18	1/4	2,727.90	1/4	3,069.78
1/2	23.55	1/2	356.81	1/2	698.65	1/2	1,030.25	1/2	1,368.02	1/2	1,709.78	1/2	2,051.54	1/2	2,393.30	1/2	2,735.02	1/2	3,076.90
3/4	28.01	3/4	363.94	3/4	705.77	3/4	1,037.06	3/4	1,375.14	3/4	1,716.90	3/4	2,058.66	3/4	2,400.42	3/4	2,742.14	3/4	3,084.01
1	32.46	1	371.08	1	712.90	1	1,043.87	1	1,382.26	1	1,724.02	1	2,065.78	1	2,407.54	1	2,749.26	1	3,091.13
1/4	38.70	1/4	378.20	1/4	720.02	1/4	1,050.68	1/4	1,389.38	1/4	1,731.14	1/4	2,072.90	1/4	2,414.66	1/4	2,756.38	1/4	3,098.24
1/2	44.94	1/2	385.32	1/2	727.14	1/2	1,057.49	1/2	1,396.50	1/2	1,738.26	1/2	2,080.02	1/2	2,421.78	1/2	2,763.50	1/2	3,105.36
3/4	51.18	3/4	392.44	3/4	734.26	3/4	1,064.30	3/4	1,403.62	3/4	1,745.38	3/4	2,087.14	3/4	2,428.90	3/4	2,770.61	3/4	3,112.47
2	57.42	2	399.56	2	741.38	2	1,071.11	2	1,410.74	2	1,752.50	2	2,094.26	2	2,436.02	2	2,777.73	2	3,119.59
1/4	64.52	1/4	406.68	1/4	748.50	1/4	1,077.93	1/4	1,417.86	1/4	1,759.62	1/4	2,101.38	1/4	2,443.14	1/4	2,784.85	1/4	3,126.68
1/2	71.62	1/2	413.80	1/2	755.62	1/2	1,084.75	1/2	1,424.98	1/2	1,766.74	1/2	2,108.50	1/2	2,450.26	1/2	2,791.97	1/2	3,133.78
3/4	78.71	3/4	420.93	3/4	762.74	3/4	1,091.57	3/4	1,432.10	3/4	1,773.86	3/4	2,115.62	3/4	2,457.38	3/4	2,799.09	3/4	3,140.88
3	85.81	3	428.05	3	769.86	3	1,098.39	3	1,439.22	3	1,780.98	3	2,122.74	3	2,464.50	3	2,806.21	3	3,147.98
1/4	92.93	1/4	435.17	1/4	776.99	1/4	1,105.28	1/4	1,446.34	1/4	1,788.10	1/4	2,129.86	1/4	2,471.62	1/4	2,813.33	1/4	3,155.07
1/2	100.05	1/2	442.29	1/2	784.11	1/2	1,112.16	1/2	1,453.46	1/2	1,795.22	1/2	2,136.98	1/2	2,478.74	1/2	2,820.45	1/2	3,162.17
3/4	107.18	3/4	449.41	3/4	791.23	3/4	1,119.05	3/4	1,460.58	3/4	1,802.34	3/4	2,144.10	3/4	2,485.86	3/4	2,827.56	3/4	3,169.27
4	114.30	4	456.53	4	798.35	4	1,125.94	4	1,467.70	4	1,809.46	4	2,151.22	4	2,492.98	4	2,834.68	4	3,176.37
1/4	121.43	1/4	463.65	1/4	805.24	1/4	1,133.06	1/4	1,474.82	1/4	1,816.58	1/4	2,158.34	1/4	2,500.10	1/4	2,841.80	1/4	3,183.46
1/2	128.56	1/2	470.77	1/2	812.13	1/2	1,140.18	1/2	1,481.94	1/2	1,823.70	1/2	2,165.46	1/2	2,507.22	1/2	2,848.92	1/2	3,190.56
3/4	135.69	3/4	477.90	3/4	819.02	3/4	1,147.30	3/4	1,489.06	3/4	1,830.82	3/4	2,172.58	3/4	2,514.34	3/4	2,856.04	3/4	3,197.66
5	142.82	5	485.02	5	825.91	5	1,154.42	5	1,496.18	5	1,837.94	5	2,179.70	5	2,521.46	5	2,863.16	5	3,204.76
1/4	149.96	1/4	492.14	1/4	832.73	1/4	1,161.54	1/4	1,503.30	1/4	1,845.06	1/4	2,186.82	1/4	2,528.57	1/4	2,870.28	1/4	3,211.85
1/2	157.09	1/2	499.26	1/2	839.55	1/2	1,168.66	1/2	1,510.42	1/2	1,852.18	1/2	2,193.94	1/2	2,535.69	1/2	2,877.40	1/2	3,218.95
3/4	164.22	3/4	506.38	3/4	846.36	3/4	1,175.78	3/4	1,517.54	3/4	1,859.30	3/4	2,201.06	3/4	2,542.81	3/4	2,884.51	3/4	3,226.05
6	171.36	6	513.50	6	853.18	6	1,182.90	6	1,524.66	6	1,866.42	6	2,208.18	6	2,549.93	6	2,891.63	6	3,233.15
1/4	178.49	1/4	520.62	1/4	859.99	1/4	1,190.02	1/4	1,531.78	1/4	1,873.54	1/4	2,215.30	1/4	2,557.05	1/4	2,898.75	1/4	3,240.25
1/2	185.62	1/2	527.74	1/2	866.80	1/2	1,197.14	1/2	1,538.90	1/2	1,880.66	1/2	2,222.42	1/2	2,564.17	1/2	2,905.87	1/2	3,247.34
3/4	192.76	3/4	534.87	3/4	873.61	3/4	1,204.26	3/4	1,546.02	3/4	1,887.78	3/4	2,229.54	3/4	2,571.29	3/4	2,912.99	3/4	3,254.44
7	199.89	7	541.99	7	880.42	7	1,211.38	7	1,553.14	7	1,894.90	7	2,236.66	7	2,578.41	7	2,920.11	7	3,261.54
1/4	207.02	1/4	549.11	1/4	887.23	1/4	1,218.50	1/4	1,560.26	1/4	1,902.02	1/4	2,243.78	1/4	2,585.53	1/4	2,927.24	1/4	3,268.64
1/2	214.15	1/2	556.23	1/2	894.04	1/2	1,225.62	1/2	1,567.38	1/2	1,909.14	1/2	2,250.90	1/2	2,592.64	1/2	2,934.37	1/2	3,275.74
3/4	221.29	3/4	563.35	3/4	900.85	3/4	1,232.74	3/4	1,574.50	3/4	1,916.26	3/4	2,258.02	3/4	2,599.76	3/4	2,941.50	3/4	3,282.84
8	228.42	8	570.47	8	907.66	8	1,239.86	8	1,581.62	8	1,923.38	8	2,265.14	8	2,606.88	8	2,948.63	8	3,289.93
1/4	235.55	1/4	577.59	1/4	914.47	1/4	1,246.98	1/4	1,588.74	1/4	1,930.50	1/4	2,272.26	1/4	2,614.00	1/4	2,955.76	1/4	3,297.03
1/2	242.69	1/2	584.71	1/2	921.28	1/2	1,254.10	1/2	1,595.86	1/2	1,937.62	1/2	2,279.38	1/2	2,621.12	1/2	2,962.89	1/2	3,304.13
3/4	249.82	3/4	591.83	3/4	928.09	3/4	1,261.22	3/4	1,602.98	3/4	1,944.74	3/4	2,286.50	3/4	2,628.24	3/4	2,970.03	3/4	3,311.23
9	256.95	9	598.96	9	934.90	9	1,268.34	9	1,610.10	9	1,951.86	9	2,293.62	9	2,635.36	9	2,977.16	9	3,318.33
1/4	264.08	1/4	606.08	1/4	941.71	1/4	1,275.46	1/4	1,617.22	1/4	1,958.98	1/4	2,300.74	1/4	2,642.48	1/4	2,984.29	1/4	3,325.43
1/2	271.22	1/2	613.20	1/2	948.52	1/2	1,282.58	1/2	1,624.34	1/2	1,966.10	1/2	2,307.86	1/2	2,649.59	1/2	2,991.42	1/2	3,332.53
3/4	278.35	3/4	620.32	3/4	955.34	3/4	1,289.70	3/4	1,631.46	3/4	1,973.22	3/4	2,314.98	3/4	2,656.71	3/4	2,998.55	3/4	3,339.63
10	285.48	10	627.44	10	962.15	10	1,296.82	10	1,638.58	10	1,980.34	10	2,322.10	10	2,663.83	10	3,005.68	10	3,346.73
1/4	292.62	1/4	634.56	1/4	968.96	1/4	1,303.94	1/4	1,645.70	1/4	1,987.46	1/4	2,329.22	1/4	2,670.95	1/4	3,012.81	1/4	3,353.83
1/2	299.75	1/2	641.68	1/2	975.77	1/2	1,311.06	1/2	1,652.82	1/2	1,994.58	1/2	2,336.34	1/2	2,678.07	1/2	3,019.94	1/2	3,360.93
3/4	306.88	3/4	648.80	3/4	982.58	3/4	1,318.18	3/4	1,659.94	3/4	2,001.70	3/4	2,343.46	3/4	2,685.19	3/4	3,027.07	3/4	3,368.03
11	314.01	11	655.93	11	989.39	11	1,325.30	11	1,667.06	11	2,008.82	11	2,350.58	11	2,692.31	11	3,034.20	11	3,375.13
1/4	321.15	1/4	663.05	1/4	996.20	1/4	1,332.42	1/4	1,674.18	1/4	2,015.94	1/4	2,357.70	1/4	2,699.43	1/4	3,041.32	1/4	3,382.23
1/2	328.28	1/2	670.17	1/2	1,003.01	1/2	1,339.54	1/2	1,681.30	1/2	2,023.06	1/2	2,364.82	1/2	2,706.54	1/2	3,048.43	1/2	3,389.33
3/4	335.41	3/4	677.29	3/4	1,009.82	3/4	1,346.66	3/4	1,688.42	3/4	2,030.18	3/4	2,371.94	3/4	2,713.66	3/4	3,055.55	3/4	3,396.43

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.  
GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092

Pearland, Texas 77588  
<http://www.pmacorp.net>





**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**3 PORT  
INNAGE TABLE  
HERMETIC  
GAUGE HEIGHT 16'-05"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,381.43	0	3,590.69	0	3,800.52	0	4,009.97	0	4,218.88	0		0		0		0		0	
1/4	3,385.78	1/4	3,595.06	1/4	3,804.89	1/4	4,014.32	1/4	4,223.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,390.14	1/2	3,599.43	1/2	3,809.27	1/2	4,018.68	1/2	4,227.59	1/2		1/2		1/2		1/2		1/2	
3/4	3,394.49	3/4	3,603.81	3/4	3,813.64	3/4	4,023.03	3/4	4,231.94	3/4		3/4		3/4		3/4		3/4	
1	3,398.85	1	3,608.18	1	3,818.01	1	4,027.38	1	4,236.29	1		1		1		1		1	
1/4	3,403.21	1/4	3,612.55	1/4	3,822.38	1/4	4,031.73	1/4	4,240.64	1/4		1/4		1/4		1/4		1/4	
1/2	3,407.56	1/2	3,616.92	1/2	3,826.75	1/2	4,036.08	1/2	4,245.00	1/2		1/2		1/2		1/2		1/2	
3/4	3,411.92	3/4	3,621.29	3/4	3,831.12	3/4	4,040.44	3/4	4,249.35	3/4		3/4		3/4		3/4		3/4	
2	3,416.27	2	3,625.66	2	3,835.49	2	4,044.79	2	4,253.70	2		2		2		2		2	
1/4	3,420.63	1/4	3,630.03	1/4	3,839.87	1/4	4,049.14	1/4	4,258.05	1/4		1/4		1/4		1/4		1/4	
1/2	3,424.98	1/2	3,634.41	1/2	3,844.24	1/2	4,053.49	1/2	4,262.40	1/2		1/2		1/2		1/2		1/2	
3/4	3,429.34	3/4	3,638.78	3/4	3,848.61	3/4	4,057.85	3/4	4,266.76	3/4		3/4		3/4		3/4		3/4	
3	3,433.70	3	3,643.15	3	3,852.98	3	4,062.20	3	4,271.11	3		3		3		3		3	
1/4	3,438.05	1/4	3,647.52	1/4	3,857.35	1/4	4,066.55	1/4	4,275.43	1/4		1/4		1/4		1/4		1/4	
1/2	3,442.41	1/2	3,651.89	1/2	3,861.72	1/2	4,070.90	1/2	4,279.76	1/2		1/2		1/2		1/2		1/2	
3/4	3,446.76	3/4	3,656.26	3/4	3,866.10	3/4	4,075.26	3/4	4,284.08	3/4		3/4		3/4		3/4		3/4	
4	3,451.12	4	3,660.63	4	3,870.47	4	4,079.61	4	4,288.41	4		4		4		4		4	
1/4	3,455.47	1/4	3,665.01	1/4	3,874.84	1/4	4,083.96	1/4	4,292.73	1/4		1/4		1/4		1/4		1/4	
1/2	3,459.83	1/2	3,669.38	1/2	3,879.21	1/2	4,088.31	1/2	4,297.06	1/2		1/2		1/2		1/2		1/2	
3/4	3,464.19	3/4	3,673.75	3/4	3,883.58	3/4	4,092.66	3/4	4,301.38	3/4		3/4		3/4		3/4		3/4	
5	3,468.54	5	3,678.12	5	3,887.95	5	4,097.02	5	4,305.71	5		5		5		5		5	
1/4	3,472.90	1/4	3,682.49	1/4	3,892.32	1/4	4,101.37	1/4	4,310.03	1/4		1/4		1/4		1/4		1/4	
1/2	3,477.25	1/2	3,686.86	1/2	3,896.70	1/2	4,105.72	1/2	4,314.35	1/2		1/2		1/2		1/2		1/2	
3/4	3,481.61	3/4	3,691.24	3/4	3,901.07	3/4	4,110.07	3/4	4,318.67	3/4		3/4		3/4		3/4		3/4	
6	3,485.96	6	3,695.61	6	3,905.44	6	4,114.43	6	4,322.99	6		6		6		6		6	
1/4	3,490.32	1/4	3,699.98	1/4	3,909.81	1/4	4,118.78	1/4	4,327.31	1/4		1/4		1/4		1/4		1/4	
1/2	3,494.68	1/2	3,704.35	1/2	3,914.18	1/2	4,123.13	1/2	4,331.62	1/2		1/2		1/2		1/2		1/2	
3/4	3,499.03	3/4	3,708.72	3/4	3,918.55	3/4	4,127.48	3/4	4,335.93	3/4		3/4		3/4		3/4		3/4	
7	3,503.39	7	3,713.09	7	3,922.92	7	4,131.84	7	4,340.24	7		7		7		7		7	
1/4	3,507.74	1/4	3,717.46	1/4	3,927.28	1/4	4,136.19	1/4	4,344.49	1/4		1/4		1/4		1/4		1/4	
1/2	3,512.10	1/2	3,721.84	1/2	3,931.63	1/2	4,140.54	1/2	4,348.75	1/2		1/2		1/2		1/2		1/2	
3/4	3,516.45	3/4	3,726.21	3/4	3,935.98	3/4	4,144.89	3/4	4,353.01	3/4		3/4		3/4		3/4		3/4	
8	3,520.81	8	3,730.58	8	3,940.33	8	4,149.24	8	4,357.26	8		8		8		8		8	
1/4	3,525.17	1/4	3,734.95	1/4	3,944.69	1/4	4,153.60	1/4	4,360.69	1/4		1/4		1/4		1/4		1/4	
1/2	3,529.52	1/2	3,739.32	1/2	3,949.04	1/2	4,157.95	1/2	4,364.13	1/2		1/2		1/2		1/2		1/2	
3/4	3,533.88	3/4	3,743.69	3/4	3,953.39	3/4	4,162.30	3/4	4,367.56	3/4		3/4		3/4		3/4		3/4	
9	3,538.23	9	3,748.06	9	3,957.74	9	4,166.65	9	4,370.99	9		9		9		9		9	
1/4	3,542.60	1/4	3,752.44	1/4	3,962.10	1/4	4,171.01	1/4	4,373.24	1/4		1/4		1/4		1/4		1/4	
1/2	3,546.98	1/2	3,756.81	1/2	3,966.45	1/2	4,175.36	1/2	4,375.48	1/2		1/2		1/2		1/2		1/2	
3/4	3,551.35	3/4	3,761.18	3/4	3,970.80	3/4	4,179.71	3/4	4,377.73	3/4		3/4		3/4		3/4		3/4	
10	3,555.72	10	3,765.55	10	3,975.15	10	4,184.06	10	4,379.97	10		10		10		10		10	
1/4	3,560.09	1/4	3,769.92	1/4	3,979.50	1/4	4,188.42	1/4	4,381.68	1/4		1/4		1/4		1/4		1/4	
1/2	3,564.46	1/2	3,774.29	1/2	3,983.86	1/2	4,192.77	1/2	4,383.39	1/2		1/2		1/2		1/2		1/2	
3/4	3,568.83	3/4	3,778.67	3/4	3,988.21	3/4	4,197.12	3/4	4,385.10	3/4		3/4		3/4		3/4		3/4	
11	3,573.20	11	3,783.04	11	3,992.56	11	4,201.47	11	4,386.80	11		11		11		11		11	
1/4	3,577.58	1/4	3,787.41	1/4	3,996.91	1/4	4,205.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,581.95	1/2	3,791.78	1/2	4,001.27	1/2	4,210.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,586.32	3/4	3,796.15	3/4	4,005.62	3/4	4,214.53	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/25/2020 CL  
CALCULATED: 08/26/2020 CL  
PRINTED: 08/26/2020 JS

PRECISION MEASUREMENT  
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CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2020



# BARGE "HSM 3322"

formerly the  
BARGE "FMT 3322"

## 3 STBD INNAGE TABLE

### HERMETIC GAUGE HEIGHT 16'-05"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	14.63	0	342.50	0	684.84	0	1,026.82	0	1,369.03	0	1,711.38	0	2,053.72	0	2,396.07	0	2,738.15	0	3,079.62
1/4	19.09	1/4	349.64	1/4	691.97	1/4	1,033.94	1/4	1,376.16	1/4	1,718.51	1/4	2,060.86	1/4	2,403.20	1/4	2,745.26	1/4	3,086.73
1/2	23.54	1/2	356.77	1/2	699.10	1/2	1,041.06	1/2	1,383.30	1/2	1,725.64	1/2	2,067.99	1/2	2,410.33	1/2	2,752.38	1/2	3,093.85
3/4	28.00	3/4	363.90	3/4	706.24	3/4	1,048.18	3/4	1,390.43	3/4	1,732.77	3/4	2,075.12	3/4	2,417.47	3/4	2,759.49	3/4	3,100.96
1	32.46	1	371.03	1	713.37	1	1,055.30	1	1,397.56	1	1,739.91	1	2,082.25	1	2,424.60	1	2,766.60	1	3,108.08
1/4	38.70	1/4	378.16	1/4	720.50	1/4	1,062.41	1/4	1,404.69	1/4	1,747.04	1/4	2,089.38	1/4	2,431.73	1/4	2,773.72	1/4	3,115.19
1/2	44.94	1/2	385.30	1/2	727.63	1/2	1,069.53	1/2	1,411.83	1/2	1,754.17	1/2	2,096.52	1/2	2,438.86	1/2	2,780.83	1/2	3,122.30
3/4	51.18	3/4	392.43	3/4	734.76	3/4	1,076.65	3/4	1,418.96	3/4	1,761.30	3/4	2,103.65	3/4	2,445.99	3/4	2,787.95	3/4	3,129.42
2	57.42	2	399.56	2	741.90	2	1,083.77	2	1,426.09	2	1,768.44	2	2,110.78	2	2,453.13	2	2,795.06	2	3,136.53
1/4	64.51	1/4	406.69	1/4	749.03	1/4	1,090.89	1/4	1,433.22	1/4	1,775.57	1/4	2,117.91	1/4	2,460.26	1/4	2,802.17	1/4	3,143.63
1/2	71.61	1/2	413.82	1/2	756.16	1/2	1,098.02	1/2	1,440.35	1/2	1,782.70	1/2	2,125.05	1/2	2,467.39	1/2	2,809.29	1/2	3,150.73
3/4	78.70	3/4	420.96	3/4	763.29	3/4	1,105.15	3/4	1,447.49	3/4	1,789.83	3/4	2,132.18	3/4	2,474.52	3/4	2,816.40	3/4	3,157.82
3	85.80	3	428.09	3	770.42	3	1,112.27	3	1,454.62	3	1,796.96	3	2,139.31	3	2,481.66	3	2,823.52	3	3,164.92
1/4	92.92	1/4	435.22	1/4	777.56	1/4	1,119.41	1/4	1,461.75	1/4	1,804.10	1/4	2,146.44	1/4	2,488.79	1/4	2,830.63	1/4	3,172.02
1/2	100.04	1/2	442.35	1/2	784.69	1/2	1,126.54	1/2	1,468.88	1/2	1,811.23	1/2	2,153.57	1/2	2,495.92	1/2	2,837.74	1/2	3,179.11
3/4	107.16	3/4	449.48	3/4	791.82	3/4	1,133.67	3/4	1,476.02	3/4	1,818.36	3/4	2,160.71	3/4	2,503.05	3/4	2,844.86	3/4	3,186.21
4	114.29	4	456.62	4	798.95	4	1,140.80	4	1,483.15	4	1,825.49	4	2,167.84	4	2,510.18	4	2,851.97	4	3,193.31
1/4	121.42	1/4	463.75	1/4	806.08	1/4	1,147.93	1/4	1,490.28	1/4	1,832.63	1/4	2,174.97	1/4	2,517.32	1/4	2,859.09	1/4	3,200.40
1/2	128.55	1/2	470.88	1/2	813.22	1/2	1,155.07	1/2	1,497.41	1/2	1,839.76	1/2	2,182.10	1/2	2,524.45	1/2	2,866.20	1/2	3,207.50
3/4	135.68	3/4	478.01	3/4	820.35	3/4	1,162.20	3/4	1,504.54	3/4	1,846.89	3/4	2,189.24	3/4	2,531.59	3/4	2,873.31	3/4	3,214.60
5	142.81	5	485.14	5	827.48	5	1,169.33	5	1,511.68	5	1,854.02	5	2,196.37	5	2,538.72	5	2,880.43	5	3,221.69
1/4	149.94	1/4	492.28	1/4	834.61	1/4	1,176.46	1/4	1,518.81	1/4	1,861.15	1/4	2,203.50	1/4	2,545.85	1/4	2,887.54	1/4	3,228.79
1/2	157.07	1/2	499.41	1/2	841.73	1/2	1,183.60	1/2	1,525.94	1/2	1,868.29	1/2	2,210.63	1/2	2,552.99	1/2	2,894.66	1/2	3,235.89
3/4	164.20	3/4	506.54	3/4	848.86	3/4	1,190.73	3/4	1,533.07	3/4	1,875.42	3/4	2,217.76	3/4	2,560.12	3/4	2,901.77	3/4	3,242.98
6	171.34	6	513.67	6	855.99	6	1,197.86	6	1,540.21	6	1,882.55	6	2,224.90	6	2,567.25	6	2,908.88	6	3,250.08
1/4	178.47	1/4	520.80	1/4	863.10	1/4	1,204.99	1/4	1,547.34	1/4	1,889.68	1/4	2,232.03	1/4	2,574.39	1/4	2,916.00	1/4	3,257.18
1/2	185.60	1/2	527.94	1/2	870.22	1/2	1,212.12	1/2	1,554.47	1/2	1,896.82	1/2	2,239.16	1/2	2,581.52	1/2	2,923.11	1/2	3,264.27
3/4	192.73	3/4	535.07	3/4	877.34	3/4	1,219.26	3/4	1,561.60	3/4	1,903.95	3/4	2,246.29	3/4	2,588.66	3/4	2,930.23	3/4	3,271.37
7	199.86	7	542.20	7	884.46	7	1,226.39	7	1,568.73	7	1,911.08	7	2,253.43	7	2,595.79	7	2,937.34	7	3,278.47
1/4	207.00	1/4	549.33	1/4	891.58	1/4	1,233.52	1/4	1,575.87	1/4	1,918.21	1/4	2,260.56	1/4	2,602.92	1/4	2,944.45	1/4	3,285.56
1/2	214.13	1/2	556.46	1/2	898.69	1/2	1,240.65	1/2	1,583.00	1/2	1,925.34	1/2	2,267.69	1/2	2,610.06	1/2	2,951.57	1/2	3,292.66
3/4	221.26	3/4	563.60	3/4	905.81	3/4	1,247.78	3/4	1,590.13	3/4	1,932.48	3/4	2,274.82	3/4	2,617.19	3/4	2,958.68	3/4	3,299.76
8	228.39	8	570.73	8	912.93	8	1,254.92	8	1,597.26	8	1,939.61	8	2,281.95	8	2,624.32	8	2,965.80	8	3,306.85
1/4	235.52	1/4	577.86	1/4	920.05	1/4	1,262.05	1/4	1,604.39	1/4	1,946.74	1/4	2,289.09	1/4	2,631.44	1/4	2,972.91	1/4	3,313.95
1/2	242.66	1/2	584.99	1/2	927.17	1/2	1,269.18	1/2	1,611.53	1/2	1,953.87	1/2	2,296.22	1/2	2,638.55	1/2	2,980.02	1/2	3,321.05
3/4	249.79	3/4	592.12	3/4	934.28	3/4	1,276.31	3/4	1,618.66	3/4	1,961.00	3/4	2,303.35	3/4	2,645.67	3/4	2,987.14	3/4	3,328.15
9	256.92	9	599.26	9	941.40	9	1,283.45	9	1,625.79	9	1,968.14	9	2,310.48	9	2,652.78	9	2,994.25	9	3,335.24
1/4	264.05	1/4	606.39	1/4	948.52	1/4	1,290.58	1/4	1,632.92	1/4	1,975.27	1/4	2,317.61	1/4	2,659.89	1/4	3,001.37	1/4	3,342.34
1/2	271.18	1/2	613.52	1/2	955.64	1/2	1,297.71	1/2	1,640.06	1/2	1,982.40	1/2	2,324.75	1/2	2,667.01	1/2	3,008.48	1/2	3,349.44
3/4	278.32	3/4	620.65	3/4	962.76	3/4	1,304.84	3/4	1,647.19	3/4	1,989.53	3/4	2,331.88	3/4	2,674.12	3/4	3,015.59	3/4	3,356.53
10	285.45	10	627.78	10	969.88	10	1,311.97	10	1,654.32	10	1,996.67	10	2,339.01	10	2,681.24	10	3,022.71	10	3,363.63
1/4	292.58	1/4	634.92	1/4	976.99	1/4	1,319.11	1/4	1,661.45	1/4	2,003.80	1/4	2,346.14	1/4	2,688.35	1/4	3,029.82	1/4	3,370.73
1/2	299.71	1/2	642.05	1/2	984.11	1/2	1,326.24	1/2	1,668.58	1/2	2,010.93	1/2	2,353.28	1/2	2,695.46	1/2	3,036.94	1/2	3,377.83
3/4	306.84	3/4	649.18	3/4	991.23	3/4	1,333.37	3/4	1,675.72	3/4	2,018.06	3/4	2,360.41	3/4	2,702.58	3/4	3,044.05	3/4	3,384.94
11	313.98	11	656.31	11	998.35	11	1,340.50	11	1,682.85	11	2,025.19	11	2,367.54	11	2,709.69	11	3,051.16	11	3,392.04
1/4	321.11	1/4	663.44	1/4	1,005.47	1/4	1,347.64	1/4	1,689.98	1/4	2,032.33	1/4	2,374.67	1/4	2,716.81	1/4	3,058.28	1/4	3,399.14
1/2	328.24	1/2	670.58	1/2	1,012.59	1/2	1,354.77	1/2	1,697.11	1/2	2,039.46	1/2	2,381.80	1/2	2,723.92	1/2	3,065.39	1/2	3,406.24
3/4	335.37	3/4	677.71	3/4	1,019.70	3/4	1,361.90	3/4	1,704.25	3/4	2,046.59	3/4	2,388.94	3/4	2,731.03	3/4	3,072.51	3/4	3,413.34

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
<http://www.pmacorp.net>



**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**3 STBD**  
**INNAGE TABLE**  
**HERMETIC**  
**GAUGE HEIGHT 16'-05"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,398.34	0	3,608.29	0	3,818.25	0	4,027.83	0	4,236.87	0		0		0		0		0	
1/4	3,402.71	1/4	3,612.67	1/4	3,822.62	1/4	4,032.18	1/4	4,241.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,407.09	1/2	3,617.04	1/2	3,827.00	1/2	4,036.54	1/2	4,245.58	1/2		1/2		1/2		1/2		1/2	
3/4	3,411.46	3/4	3,621.42	3/4	3,831.37	3/4	4,040.89	3/4	4,249.94	3/4		3/4		3/4		3/4		3/4	
1	3,415.83	1	3,625.79	1	3,835.75	1	4,045.25	1	4,254.29	1		1		1		1		1	
1/4	3,420.21	1/4	3,630.16	1/4	3,840.12	1/4	4,049.60	1/4	4,258.65	1/4		1/4		1/4		1/4		1/4	
1/2	3,424.58	1/2	3,634.54	1/2	3,844.50	1/2	4,053.96	1/2	4,263.00	1/2		1/2		1/2		1/2		1/2	
3/4	3,428.96	3/4	3,638.91	3/4	3,848.87	3/4	4,058.31	3/4	4,267.36	3/4		3/4		3/4		3/4		3/4	
2	3,433.33	2	3,643.29	2	3,853.24	2	4,062.67	2	4,271.71	2		2		2		2		2	
1/4	3,437.70	1/4	3,647.66	1/4	3,857.62	1/4	4,067.02	1/4	4,276.07	1/4		1/4		1/4		1/4		1/4	
1/2	3,442.08	1/2	3,652.03	1/2	3,861.99	1/2	4,071.38	1/2	4,280.42	1/2		1/2		1/2		1/2		1/2	
3/4	3,446.45	3/4	3,656.41	3/4	3,866.37	3/4	4,075.73	3/4	4,284.78	3/4		3/4		3/4		3/4		3/4	
3	3,450.83	3	3,660.78	3	3,870.74	3	4,080.09	3	4,289.13	3		3		3		3		3	
1/4	3,455.20	1/4	3,665.16	1/4	3,875.11	1/4	4,084.44	1/4	4,293.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,459.57	1/2	3,669.53	1/2	3,879.49	1/2	4,088.80	1/2	4,297.79	1/2		1/2		1/2		1/2		1/2	
3/4	3,463.95	3/4	3,673.91	3/4	3,883.86	3/4	4,093.15	3/4	4,302.11	3/4		3/4		3/4		3/4		3/4	
4	3,468.32	4	3,678.28	4	3,888.24	4	4,097.51	4	4,306.44	4		4		4		4		4	
1/4	3,472.70	1/4	3,682.65	1/4	3,892.61	1/4	4,101.86	1/4	4,310.77	1/4		1/4		1/4		1/4		1/4	
1/2	3,477.07	1/2	3,687.03	1/2	3,896.98	1/2	4,106.22	1/2	4,315.10	1/2		1/2		1/2		1/2		1/2	
3/4	3,481.44	3/4	3,691.40	3/4	3,901.36	3/4	4,110.57	3/4	4,319.42	3/4		3/4		3/4		3/4		3/4	
5	3,485.82	5	3,695.78	5	3,905.73	5	4,114.93	5	4,323.75	5		5		5		5		5	
1/4	3,490.19	1/4	3,700.15	1/4	3,910.11	1/4	4,119.28	1/4	4,328.07	1/4		1/4		1/4		1/4		1/4	
1/2	3,494.57	1/2	3,704.52	1/2	3,914.48	1/2	4,123.64	1/2	4,332.40	1/2		1/2		1/2		1/2		1/2	
3/4	3,498.94	3/4	3,708.90	3/4	3,918.85	3/4	4,127.99	3/4	4,336.72	3/4		3/4		3/4		3/4		3/4	
6	3,503.32	6	3,713.27	6	3,923.23	6	4,132.35	6	4,341.05	6		6		6		6		6	
1/4	3,507.69	1/4	3,717.65	1/4	3,927.60	1/4	4,136.71	1/4	4,345.36	1/4		1/4		1/4		1/4		1/4	
1/2	3,512.06	1/2	3,722.02	1/2	3,931.98	1/2	4,141.06	1/2	4,349.67	1/2		1/2		1/2		1/2		1/2	
3/4	3,516.44	3/4	3,726.39	3/4	3,936.35	3/4	4,145.42	3/4	4,353.99	3/4		3/4		3/4		3/4		3/4	
7	3,520.81	7	3,730.77	7	3,940.73	7	4,149.77	7	4,358.30	7		7		7		7		7	
1/4	3,525.19	1/4	3,735.14	1/4	3,945.08	1/4	4,154.13	1/4	4,362.56	1/4		1/4		1/4		1/4		1/4	
1/2	3,529.56	1/2	3,739.52	1/2	3,949.44	1/2	4,158.48	1/2	4,366.82	1/2		1/2		1/2		1/2		1/2	
3/4	3,533.93	3/4	3,743.89	3/4	3,953.79	3/4	4,162.84	3/4	4,371.08	3/4		3/4		3/4		3/4		3/4	
8	3,538.31	8	3,748.27	8	3,958.15	8	4,167.19	8	4,375.33	8		8		8		8		8	
1/4	3,542.68	1/4	3,752.64	1/4	3,962.50	1/4	4,171.55	1/4	4,378.77	1/4		1/4		1/4		1/4		1/4	
1/2	3,547.06	1/2	3,757.01	1/2	3,966.86	1/2	4,175.90	1/2	4,382.21	1/2		1/2		1/2		1/2		1/2	
3/4	3,551.43	3/4	3,761.39	3/4	3,971.21	3/4	4,180.26	3/4	4,385.64	3/4		3/4		3/4		3/4		3/4	
9	3,555.80	9	3,765.76	9	3,975.57	9	4,184.61	9	4,389.08	9		9		9		9		9	
1/4	3,560.18	1/4	3,770.14	1/4	3,979.92	1/4	4,188.97	1/4	4,391.33	1/4		1/4		1/4		1/4		1/4	
1/2	3,564.55	1/2	3,774.51	1/2	3,984.28	1/2	4,193.32	1/2	4,393.57	1/2		1/2		1/2		1/2		1/2	
3/4	3,568.93	3/4	3,778.88	3/4	3,988.63	3/4	4,197.68	3/4	4,395.82	3/4		3/4		3/4		3/4		3/4	
10	3,573.30	10	3,783.26	10	3,992.99	10	4,202.03	10	4,398.07	10		10		10		10		10	
1/4	3,577.68	1/4	3,787.63	1/4	3,997.34	1/4	4,206.39	1/4	4,399.78	1/4		1/4		1/4		1/4		1/4	
1/2	3,582.05	1/2	3,792.01	1/2	4,001.70	1/2	4,210.74	1/2	4,401.49	1/2		1/2		1/2		1/2		1/2	
3/4	3,586.42	3/4	3,796.38	3/4	4,006.05	3/4	4,215.10	3/4	4,403.19	3/4		3/4		3/4		3/4		3/4	
11	3,590.80	11	3,800.75	11	4,010.41	11	4,219.45	11	4,404.90	11		11		11		11		11	
1/4	3,595.17	1/4	3,805.13	1/4	4,014.76	1/4	4,223.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,599.55	1/2	3,809.50	1/2	4,019.12	1/2	4,228.16	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,603.92	3/4	3,813.88	3/4	4,023.47	3/4	4,232.52	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/25/2020 CL  
CALCULATED: 08/26/2020 CL  
PRINTED: 08/26/2020 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2020





**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**ULLAGE (HERMETIC)**

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
2 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
3 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
3 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

**EXAMPLE FOR ABOVE TRIM CORRECTIONS:**

FWD. DRAFT = 2'-00"  
 AFT DRAFT = 7'-00"  
 DIFF. = 5'-00" (DOWN BY STERN)

THE CORRECTION FOR 5'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-1/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 237'-03"

August 25, 2020

**PRECISION MEASUREMENT  
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 Pearland, Texas 77588

<http://www.pmacorp.net>



**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**1 PORT**  
**ULLAGE TABLE**

**HERMETIC**  
**GAUGE HEIGHT 16'-05"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,869.14	0	4,528.74	0	4,187.73	0	3,845.41	0	3,503.13	0	3,160.91	0	2,818.64	0	2,476.31
1/4		1/4		1/4	4,862.08	1/4	4,521.64	1/4	4,180.60	1/4	3,838.28	1/4	3,496.00	1/4	3,153.78	1/4	2,811.50	1/4	2,469.18
1/2		1/2		1/2	4,855.03	1/2	4,514.54	1/2	4,173.47	1/2	3,831.15	1/2	3,488.87	1/2	3,146.65	1/2	2,804.37	1/2	2,462.04
3/4		3/4		3/4	4,847.97	3/4	4,507.44	3/4	4,166.33	3/4	3,824.02	3/4	3,481.74	3/4	3,139.52	3/4	2,797.24	3/4	2,454.91
1		1		1	4,840.92	1	4,500.35	1	4,159.20	1	3,816.89	1	3,474.61	1	3,132.39	1	2,790.11	1	2,447.78
1/4		1/4		1/4	4,833.86	1/4	4,493.25	1/4	4,152.07	1/4	3,809.75	1/4	3,467.48	1/4	3,125.26	1/4	2,782.98	1/4	2,440.65
1/2		1/2		1/2	4,826.81	1/2	4,486.15	1/2	4,144.94	1/2	3,802.62	1/2	3,460.35	1/2	3,118.13	1/2	2,775.84	1/2	2,433.52
3/4		3/4		3/4	4,819.76	3/4	4,479.05	3/4	4,137.81	3/4	3,795.49	3/4	3,453.22	3/4	3,111.00	3/4	2,768.71	3/4	2,426.38
2		2		2	4,812.70	2	4,471.95	2	4,130.68	2	3,788.36	2	3,446.09	2	3,103.87	2	2,761.58	2	2,419.25
1/4		1/4		1/4	4,805.60	1/4	4,464.85	1/4	4,123.54	1/4	3,781.23	1/4	3,438.96	1/4	3,096.74	1/4	2,754.45	1/4	2,412.12
1/2		1/2		1/2	4,798.50	1/2	4,457.75	1/2	4,116.41	1/2	3,774.10	1/2	3,431.83	1/2	3,089.61	1/2	2,747.32	1/2	2,404.99
3/4		3/4		3/4	4,791.40	3/4	4,450.65	3/4	4,109.28	3/4	3,766.96	3/4	3,424.70	3/4	3,082.48	3/4	2,740.19	3/4	2,397.86
3		3		3	4,784.31	3	4,443.55	3	4,102.15	3	3,759.83	3	3,417.57	3	3,075.35	3	2,733.05	3	2,390.72
1/4		1/4		1/4	4,777.21	1/4	4,436.45	1/4	4,095.02	1/4	3,752.70	1/4	3,410.44	1/4	3,068.22	1/4	2,725.92	1/4	2,383.59
1/2		1/2		1/2	4,770.11	1/2	4,429.36	1/2	4,087.89	1/2	3,745.57	1/2	3,403.31	1/2	3,061.09	1/2	2,718.79	1/2	2,376.46
3/4		3/4		3/4	4,763.01	3/4	4,422.26	3/4	4,080.75	3/4	3,738.44	3/4	3,396.18	3/4	3,053.96	3/4	2,711.66	3/4	2,369.33
4		4		4	4,755.91	4	4,415.16	4	4,073.62	4	3,731.31	4	3,389.05	4	3,046.83	4	2,704.53	4	2,362.20
1/4		1/4		1/4	4,748.81	1/4	4,408.06	1/4	4,066.49	1/4	3,724.17	1/4	3,381.92	1/4	3,039.70	1/4	2,697.40	1/4	2,355.06
1/2		1/2		1/2	4,741.71	1/2	4,400.96	1/2	4,059.36	1/2	3,717.04	1/2	3,374.79	1/2	3,032.57	1/2	2,690.26	1/2	2,347.93
3/4		3/4		3/4	4,734.61	3/4	4,393.86	3/4	4,052.23	3/4	3,709.91	3/4	3,367.66	3/4	3,025.44	3/4	2,683.13	3/4	2,340.80
5		5		5	4,727.51	5	4,386.76	5	4,045.10	5	3,702.78	5	3,360.54	5	3,018.31	5	2,676.00	5	2,333.67
1/4		1/4		1/4	4,720.41	1/4	4,379.66	1/4	4,037.97	1/4	3,695.65	1/4	3,353.41	1/4	3,011.18	1/4	2,668.87	1/4	2,326.54
1/2		1/2		1/2	4,713.32	1/2	4,372.56	1/2	4,030.83	1/2	3,688.52	1/2	3,346.28	1/2	3,004.06	1/2	2,661.74	1/2	2,319.40
3/4		3/4		3/4	4,706.22	3/4	4,365.46	3/4	4,023.70	3/4	3,681.39	3/4	3,339.15	3/4	2,996.93	3/4	2,654.61	3/4	2,312.27
6		6	5,013.14	6	4,699.12	6	4,358.37	6	4,016.57	6	3,674.25	6	3,332.02	6	2,989.80	6	2,647.47	6	2,305.14
1/4		1/4	5,009.35	1/4	4,692.02	1/4	4,351.27	1/4	4,009.44	1/4	3,667.12	1/4	3,324.89	1/4	2,982.66	1/4	2,640.34	1/4	2,298.01
1/2		1/2	5,005.57	1/2	4,684.92	1/2	4,344.17	1/2	4,002.31	1/2	3,659.99	1/2	3,317.76	1/2	2,975.53	1/2	2,633.21	1/2	2,290.88
3/4		3/4	5,001.78	3/4	4,677.82	3/4	4,337.07	3/4	3,995.18	3/4	3,652.86	3/4	3,310.63	3/4	2,968.40	3/4	2,626.08	3/4	2,283.74
7		7	4,998.00	7	4,670.72	7	4,329.97	7	3,988.04	7	3,645.73	7	3,303.50	7	2,961.27	7	2,618.95	7	2,276.61
1/4		1/4	4,993.02	1/4	4,663.62	1/4	4,322.87	1/4	3,980.91	1/4	3,638.60	1/4	3,296.37	1/4	2,954.14	1/4	2,611.82	1/4	2,269.48
1/2		1/2	4,988.05	1/2	4,656.52	1/2	4,315.77	1/2	3,973.78	1/2	3,631.46	1/2	3,289.24	1/2	2,947.01	1/2	2,604.68	1/2	2,262.35
3/4		3/4	4,983.08	3/4	4,649.42	3/4	4,308.67	3/4	3,966.65	3/4	3,624.33	3/4	3,282.11	3/4	2,939.87	3/4	2,597.55	3/4	2,255.22
8		8	4,978.10	8	4,642.33	8	4,301.57	8	3,959.52	8	3,617.20	8	3,274.98	8	2,932.74	8	2,590.42	8	2,248.08
1/4		1/4	4,971.94	1/4	4,635.23	1/4	4,294.47	1/4	3,952.39	1/4	3,610.07	1/4	3,267.85	1/4	2,925.61	1/4	2,583.29	1/4	2,240.95
1/2		1/2	4,965.78	1/2	4,628.13	1/2	4,287.38	1/2	3,945.25	1/2	3,602.94	1/2	3,260.72	1/2	2,918.48	1/2	2,576.16	1/2	2,233.82
3/4		3/4	4,959.61	3/4	4,621.03	3/4	4,280.28	3/4	3,938.12	3/4	3,595.81	3/4	3,253.59	3/4	2,911.35	3/4	2,569.02	3/4	2,226.69
9		9	4,953.45	9	4,613.93	9	4,273.18	9	3,930.99	9	3,588.68	9	3,246.46	9	2,904.22	9	2,561.89	9	2,219.56
1/4		1/4	4,946.47	1/4	4,606.83	1/4	4,266.08	1/4	3,923.86	1/4	3,581.55	1/4	3,239.33	1/4	2,897.08	1/4	2,554.76	1/4	2,212.42
1/2		1/2	4,939.48	1/2	4,599.73	1/2	4,258.98	1/2	3,916.73	1/2	3,574.42	1/2	3,232.20	1/2	2,889.95	1/2	2,547.63	1/2	2,205.29
3/4		3/4	4,932.50	3/4	4,592.63	3/4	4,251.88	3/4	3,909.60	3/4	3,567.29	3/4	3,225.07	3/4	2,882.82	3/4	2,540.50	3/4	2,198.16
10		10	4,925.51	10	4,585.53	10	4,244.78	10	3,902.46	10	3,560.16	10	3,217.94	10	2,875.69	10	2,533.36	10	2,191.03
1/4		1/4	4,918.47	1/4	4,578.43	1/4	4,237.65	1/4	3,895.33	1/4	3,553.03	1/4	3,210.81	1/4	2,868.56	1/4	2,526.23	1/4	2,183.90
1/2		1/2	4,911.43	1/2	4,571.34	1/2	4,230.52	1/2	3,888.20	1/2	3,545.90	1/2	3,203.68	1/2	2,861.43	1/2	2,519.10	1/2	2,176.76
3/4		3/4	4,904.39	3/4	4,564.24	3/4	4,223.39	3/4	3,881.07	3/4	3,538.78	3/4	3,196.55	3/4	2,854.29	3/4	2,511.97	3/4	2,169.63
11		11	4,897.35	11	4,557.14	11	4,216.26	11	3,873.94	11	3,531.65	11	3,189.42	11	2,847.16	11	2,504.84	11	2,162.50
1/4		1/4	4,890.30	1/4	4,550.04	1/4	4,209.12	1/4	3,866.81	1/4	3,524.52	1/4	3,182.30	1/4	2,840.03	1/4	2,497.70	1/4	2,155.37
1/2		1/2	4,883.24	1/2	4,542.94	1/2	4,201.99	1/2	3,859.68	1/2	3,517.39	1/2	3,175.17	1/2	2,832.90	1/2	2,490.57	1/2	2,148.24
3/4		3/4	4,876.19	3/4	4,535.84	3/4	4,194.86	3/4	3,852.54	3/4	3,510.26	3/4	3,168.04	3/4	2,825.77	3/4	2,483.44	3/4	2,141.10

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.  
GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**1 PORT**  
**ULLAGE TABLE**  
**HERMETIC**  
**GAUGE HEIGHT 16'-05"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,133.97	0	1,791.64	0	1,449.30	0	1,106.96	0	767.11	0	425.63	0	115.30	0		0			
1/4	2,126.84	1/4	1,784.50	1/4	1,442.17	1/4	1,099.83	1/4	760.02	1/4	418.71	1/4	109.38	1/4	1/4				
1/2	2,119.71	1/2	1,777.37	1/2	1,435.04	1/2	1,092.70	1/2	752.92	1/2	411.78	1/2	103.46	1/2	1/2				
3/4	2,112.58	3/4	1,770.24	3/4	1,427.90	3/4	1,085.57	3/4	745.82	3/4	404.86	3/4	97.53	3/4	3/4				
1	2,105.44	1	1,763.11	1	1,420.77	1	1,078.44	1	738.72	1	397.94	1	91.61	1	1				
1/4	2,098.31	1/4	1,755.98	1/4	1,413.64	1/4	1,071.34	1/4	731.59	1/4	391.10	1/4	85.78	1/4	1/4				
1/2	2,091.18	1/2	1,748.84	1/2	1,406.51	1/2	1,064.24	1/2	724.46	1/2	384.26	1/2	79.95	1/2	1/2				
3/4	2,084.05	3/4	1,741.71	3/4	1,399.38	3/4	1,057.14	3/4	717.33	3/4	377.42	3/4	74.12	3/4	3/4				
2	2,076.92	2	1,734.58	2	1,392.24	2	1,050.04	2	710.20	2	370.58	2	68.29	2	2				
1/4	2,069.78	1/4	1,727.45	1/4	1,385.11	1/4	1,042.96	1/4	703.06	1/4	363.82	1/4	62.57	1/4	1/4				
1/2	2,062.65	1/2	1,720.32	1/2	1,377.98	1/2	1,035.88	1/2	695.93	1/2	357.06	1/2	56.85	1/2	1/2				
3/4	2,055.52	3/4	1,713.18	3/4	1,370.85	3/4	1,028.80	3/4	688.80	3/4	350.31	3/4	51.13	3/4	3/4				
3	2,048.39	3	1,706.05	3	1,363.72	3	1,021.72	3	681.67	3	343.55	3	45.41	3	3				
1/4	2,041.26	1/4	1,698.92	1/4	1,356.58	1/4	1,014.65	1/4	674.54	1/4	336.88	1/4	40.63	1/4	1/4				
1/2	2,034.12	1/2	1,691.79	1/2	1,349.45	1/2	1,007.58	1/2	667.41	1/2	330.20	1/2	35.85	1/2	1/2				
3/4	2,026.99	3/4	1,684.66	3/4	1,342.32	3/4	1,000.51	3/4	660.27	3/4	323.53	3/4	31.07	3/4	3/4				
4	2,019.86	4	1,677.52	4	1,335.19	4	993.44	4	653.14	4	316.85	4	26.29	4	4				
1/4	2,012.73	1/4	1,670.39	1/4	1,328.06	1/4	986.37	1/4	646.01	1/4	310.26	1/4	23.37	1/4	1/4				
1/2	2,005.60	1/2	1,663.26	1/2	1,320.92	1/2	979.29	1/2	638.88	1/2	303.67	1/2	20.46	1/2	1/2				
3/4	1,998.46	3/4	1,656.13	3/4	1,313.79	3/4	972.22	3/4	631.75	3/4	297.08	3/4	17.54	3/4	3/4				
5	1,991.33	5	1,649.00	5	1,306.66	5	965.15	5	624.61	5	290.49	5	14.63	5	5				
1/4	1,984.20	1/4	1,641.86	1/4	1,299.53	1/4	958.08	1/4	617.48	1/4	283.99	1/4		1/4	1/4				
1/2	1,977.07	1/2	1,634.73	1/2	1,292.40	1/2	951.01	1/2	610.35	1/2	277.48	1/2		1/2	1/2				
3/4	1,969.94	3/4	1,627.60	3/4	1,285.26	3/4	943.94	3/4	603.22	3/4	270.97	3/4		3/4	3/4				
6	1,962.80	6	1,620.47	6	1,278.13	6	936.86	6	596.09	6	264.47	6	6	6	6				
1/4	1,955.67	1/4	1,613.34	1/4	1,271.00	1/4	929.79	1/4	588.96	1/4	258.04	1/4		1/4	1/4				
1/2	1,948.54	1/2	1,606.20	1/2	1,263.87	1/2	922.72	1/2	581.82	1/2	251.62	1/2		1/2	1/2				
3/4	1,941.41	3/4	1,599.07	3/4	1,256.74	3/4	915.65	3/4	574.69	3/4	245.20	3/4		3/4	3/4				
7	1,934.28	7	1,591.94	7	1,249.60	7	908.58	7	567.56	7	238.77	7	7	7	7				
1/4	1,927.14	1/4	1,584.81	1/4	1,242.47	1/4	901.51	1/4	560.43	1/4	232.43	1/4		1/4	1/4				
1/2	1,920.01	1/2	1,577.68	1/2	1,235.34	1/2	894.43	1/2	553.30	1/2	226.09	1/2		1/2	1/2				
3/4	1,912.88	3/4	1,570.54	3/4	1,228.21	3/4	887.36	3/4	546.16	3/4	219.75	3/4		3/4	3/4				
8	1,905.75	8	1,563.41	8	1,221.08	8	880.29	8	539.03	8	213.41	8	8	8	8				
1/4	1,898.62	1/4	1,556.28	1/4	1,213.94	1/4	873.22	1/4	531.90	1/4	207.15	1/4		1/4	1/4				
1/2	1,891.48	1/2	1,549.15	1/2	1,206.81	1/2	866.15	1/2	524.77	1/2	200.90	1/2		1/2	1/2				
3/4	1,884.35	3/4	1,542.02	3/4	1,199.68	3/4	859.08	3/4	517.64	3/4	194.64	3/4		3/4	3/4				
9	1,877.22	9	1,534.88	9	1,192.55	9	852.00	9	510.51	9	188.38	9	9	9	9				
1/4	1,870.09	1/4	1,527.75	1/4	1,185.42	1/4	844.93	1/4	503.37	1/4	182.21	1/4		1/4	1/4				
1/2	1,862.96	1/2	1,520.62	1/2	1,178.28	1/2	837.86	1/2	496.24	1/2	176.04	1/2		1/2	1/2				
3/4	1,855.82	3/4	1,513.49	3/4	1,171.15	3/4	830.79	3/4	489.11	3/4	169.86	3/4		3/4	3/4				
10	1,848.69	10	1,506.36	10	1,164.02	10	823.72	10	481.98	10	163.69	10	10	10	10				
1/4	1,841.56	1/4	1,499.22	1/4	1,156.89	1/4	816.65	1/4	474.89	1/4	157.60	1/4		1/4	1/4				
1/2	1,834.43	1/2	1,492.09	1/2	1,149.76	1/2	809.58	1/2	467.81	1/2	151.51	1/2		1/2	1/2				
3/4	1,827.30	3/4	1,484.96	3/4	1,142.62	3/4	802.50	3/4	460.72	3/4	145.42	3/4		3/4	3/4				
11	1,820.16	11	1,477.83	11	1,135.49	11	795.43	11	453.64	11	139.33	11	11	11	11				
1/4	1,813.03	1/4	1,470.70	1/4	1,128.36	1/4	788.35	1/4	446.64	1/4	133.32	1/4		1/4	1/4				
1/2	1,805.90	1/2	1,463.56	1/2	1,121.23	1/2	781.27	1/2	439.63	1/2	127.32	1/2		1/2	1/2				
3/4	1,798.77	3/4	1,456.43	3/4	1,114.10	3/4	774.19	3/4	432.63	3/4	121.31	3/4		3/4	3/4				

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/25/2020 CL  
CALCULATED: 08/26/2020 CL  
PRINTED: 08/26/2020 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

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CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2020



**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**1 STBD**  
**ULLAGE TABLE**

**HERMETIC**  
**GAUGE HEIGHT 16'-05"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,884.05	0	4,542.77	0	4,200.88	0	3,857.68	0	3,514.52	0	3,171.41	0	2,828.26	0	2,485.06
1/4		1/4		1/4	4,876.98	1/4	4,535.66	1/4	4,193.73	1/4	3,850.53	1/4	3,507.37	1/4	3,164.26	1/4	2,821.11	1/4	2,477.90
1/2		1/2		1/2	4,869.90	1/2	4,528.54	1/2	4,186.58	1/2	3,843.38	1/2	3,500.22	1/2	3,157.11	1/2	2,813.96	1/2	2,470.75
3/4		3/4		3/4	4,862.83	3/4	4,521.42	3/4	4,179.43	3/4	3,836.23	3/4	3,493.07	3/4	3,149.96	3/4	2,806.81	3/4	2,463.60
1		1		1	4,855.76	1	4,514.31	1	4,172.28	1	3,829.08	1	3,485.93	1	3,142.82	1	2,799.66	1	2,456.45
1/4		1/4		1/4	4,848.69	1/4	4,507.19	1/4	4,165.13	1/4	3,821.93	1/4	3,478.78	1/4	3,135.67	1/4	2,792.51	1/4	2,449.30
1/2		1/2		1/2	4,841.62	1/2	4,500.07	1/2	4,157.98	1/2	3,814.79	1/2	3,471.63	1/2	3,128.52	1/2	2,785.36	1/2	2,442.15
3/4		3/4		3/4	4,834.54	3/4	4,492.95	3/4	4,150.83	3/4	3,807.64	3/4	3,464.48	3/4	3,121.37	3/4	2,778.21	3/4	2,435.00
2		2		2	4,827.47	2	4,485.84	2	4,143.68	2	3,800.49	2	3,457.33	2	3,114.22	2	2,771.06	2	2,427.85
1/4		1/4		1/4	4,820.35	1/4	4,478.72	1/4	4,136.53	1/4	3,793.34	1/4	3,450.19	1/4	3,107.08	1/4	2,763.91	1/4	2,420.70
1/2		1/2		1/2	4,813.24	1/2	4,471.60	1/2	4,129.38	1/2	3,786.19	1/2	3,443.04	1/2	3,099.93	1/2	2,756.76	1/2	2,413.55
3/4		3/4		3/4	4,806.12	3/4	4,464.48	3/4	4,122.23	3/4	3,779.04	3/4	3,435.89	3/4	3,092.78	3/4	2,749.61	3/4	2,406.40
3		3		3	4,799.00	3	4,457.37	3	4,115.08	3	3,771.89	3	3,428.74	3	3,085.63	3	2,742.46	3	2,399.25
1/4		1/4		1/4	4,791.88	1/4	4,450.25	1/4	4,107.93	1/4	3,764.74	1/4	3,421.59	1/4	3,078.48	1/4	2,735.31	1/4	2,392.10
1/2		1/2		1/2	4,784.77	1/2	4,443.13	1/2	4,100.78	1/2	3,757.59	1/2	3,414.44	1/2	3,071.34	1/2	2,728.16	1/2	2,384.95
3/4		3/4		3/4	4,777.65	3/4	4,436.01	3/4	4,093.63	3/4	3,750.44	3/4	3,407.30	3/4	3,064.19	3/4	2,721.01	3/4	2,377.80
4		4		4	4,770.53	4	4,428.90	4	4,086.48	4	3,743.29	4	3,400.15	4	3,057.04	4	2,713.86	4	2,370.65
1/4		1/4		1/4	4,763.41	1/4	4,421.78	1/4	4,079.33	1/4	3,736.14	1/4	3,393.00	1/4	3,049.89	1/4	2,706.71	1/4	2,363.50
1/2		1/2		1/2	4,756.30	1/2	4,414.66	1/2	4,072.18	1/2	3,728.99	1/2	3,385.85	1/2	3,042.74	1/2	2,699.56	1/2	2,356.35
3/4		3/4		3/4	4,749.18	3/4	4,407.54	3/4	4,065.03	3/4	3,721.84	3/4	3,378.70	3/4	3,035.60	3/4	2,692.41	3/4	2,349.20
5		5		5	4,742.06	5	4,400.43	5	4,057.88	5	3,714.69	5	3,371.56	5	3,028.45	5	2,685.26	5	2,342.05
1/4		1/4		1/4	4,734.94	1/4	4,393.31	1/4	4,050.73	1/4	3,707.54	1/4	3,364.41	1/4	3,021.30	1/4	2,678.11	1/4	2,334.89
1/2		1/2		1/2	4,727.83	1/2	4,386.19	1/2	4,043.58	1/2	3,700.39	1/2	3,357.26	1/2	3,014.15	1/2	2,670.96	1/2	2,327.74
3/4		3/4		3/4	4,720.71	3/4	4,379.07	3/4	4,036.43	3/4	3,693.24	3/4	3,350.11	3/4	3,007.00	3/4	2,663.81	3/4	2,320.59
6		6	5,028.42	6	4,713.59	6	4,371.96	6	4,029.28	6	3,686.09	6	3,342.96	6	2,999.85	6	2,656.66	6	2,313.44
1/4		1/4	5,024.62	1/4	4,706.48	1/4	4,364.84	1/4	4,022.13	1/4	3,678.94	1/4	3,335.82	1/4	2,992.71	1/4	2,649.51	1/4	2,306.29
1/2		1/2	5,020.83	1/2	4,699.36	1/2	4,357.72	1/2	4,014.98	1/2	3,671.79	1/2	3,328.67	1/2	2,985.56	1/2	2,642.36	1/2	2,299.14
3/4		3/4	5,017.03	3/4	4,692.24	3/4	4,350.61	3/4	4,007.83	3/4	3,664.64	3/4	3,321.52	3/4	2,978.41	3/4	2,635.22	3/4	2,291.99
7		7	5,013.24	7	4,685.12	7	4,343.49	7	4,000.68	7	3,657.49	7	3,314.37	7	2,971.26	7	2,628.07	7	2,284.84
1/4		1/4	5,008.25	1/4	4,678.01	1/4	4,336.37	1/4	3,993.53	1/4	3,650.34	1/4	3,307.22	1/4	2,964.11	1/4	2,620.91	1/4	2,277.69
1/2		1/2	5,003.27	1/2	4,670.89	1/2	4,329.25	1/2	3,986.38	1/2	3,643.19	1/2	3,300.08	1/2	2,956.96	1/2	2,613.76	1/2	2,270.54
3/4		3/4	4,998.28	3/4	4,663.77	3/4	4,322.14	3/4	3,979.23	3/4	3,636.04	3/4	3,292.93	3/4	2,949.81	3/4	2,606.61	3/4	2,263.39
8		8	4,993.29	8	4,656.65	8	4,315.02	8	3,972.08	8	3,628.89	8	3,285.78	8	2,942.66	8	2,599.46	8	2,256.24
1/4		1/4	4,987.11	1/4	4,649.54	1/4	4,307.90	1/4	3,964.93	1/4	3,621.74	1/4	3,278.63	1/4	2,935.51	1/4	2,592.31	1/4	2,249.09
1/2		1/2	4,980.93	1/2	4,642.42	1/2	4,300.78	1/2	3,957.78	1/2	3,614.59	1/2	3,271.48	1/2	2,928.36	1/2	2,585.16	1/2	2,241.94
3/4		3/4	4,974.76	3/4	4,635.30	3/4	4,293.67	3/4	3,950.63	3/4	3,607.44	3/4	3,264.33	3/4	2,921.21	3/4	2,578.01	3/4	2,234.79
9		9	4,968.58	9	4,628.18	9	4,286.55	9	3,943.48	9	3,600.30	9	3,257.19	9	2,914.06	9	2,570.86	9	2,227.64
1/4		1/4	4,961.57	1/4	4,621.07	1/4	4,279.43	1/4	3,936.33	1/4	3,593.15	1/4	3,250.04	1/4	2,906.91	1/4	2,563.71	1/4	2,220.49
1/2		1/2	4,954.57	1/2	4,613.95	1/2	4,272.31	1/2	3,929.18	1/2	3,586.00	1/2	3,242.89	1/2	2,899.76	1/2	2,556.56	1/2	2,213.34
3/4		3/4	4,947.57	3/4	4,606.83	3/4	4,265.20	3/4	3,922.03	3/4	3,578.85	3/4	3,235.74	3/4	2,892.61	3/4	2,549.41	3/4	2,206.19
10		10	4,940.56	10	4,599.71	10	4,258.08	10	3,914.88	10	3,571.70	10	3,228.59	10	2,885.46	10	2,542.26	10	2,199.04
1/4		1/4	4,933.51	1/4	4,592.60	1/4	4,250.93	1/4	3,907.73	1/4	3,564.55	1/4	3,221.45	1/4	2,878.31	1/4	2,535.11	1/4	2,191.88
1/2		1/2	4,926.45	1/2	4,585.48	1/2	4,243.78	1/2	3,900.58	1/2	3,557.41	1/2	3,214.30	1/2	2,871.16	1/2	2,527.96	1/2	2,184.73
3/4		3/4	4,919.39	3/4	4,578.36	3/4	4,236.63	3/4	3,893.43	3/4	3,550.26	3/4	3,207.15	3/4	2,864.01	3/4	2,520.81	3/4	2,177.58
11		11	4,912.33	11	4,571.24	11	4,229.48	11	3,886.28	11	3,543.11	11	3,200.00	11	2,856.86	11	2,513.66	11	2,170.43
1/4		1/4	4,905.26	1/4	4,564.13	1/4	4,222.33	1/4	3,879.13	1/4	3,535.96	1/4	3,192.85	1/4	2,849.71	1/4	2,506.51	1/4	2,163.28
1/2		1/2	4,898.19	1/2	4,557.01	1/2	4,215.18	1/2	3,871.98	1/2	3,528.81	1/2	3,185.71	1/2	2,842.56	1/2	2,499.36	1/2	2,156.13
3/4		3/4	4,891.12	3/4	4,549.89	3/4	4,208.03	3/4	3,864.83	3/4	3,521.67	3/4	3,178.56	3/4	2,835.41	3/4	2,492.21	3/4	2,148.98

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.  
GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**1 STBD**  
**ULLAGE TABLE**  
**HERMETIC**  
**GAUGE HEIGHT 16'-05"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,141.83	0	1,798.61	0	1,455.38	0	1,112.16	0	769.23	0	426.69	0	115.58	0		0			
1/4	2,134.68	1/4	1,791.46	1/4	1,448.23	1/4	1,105.01	1/4	762.08	1/4	419.75	1/4	109.65	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,127.53	1/2	1,784.31	1/2	1,441.08	1/2	1,097.86	1/2	754.93	1/2	412.81	1/2	103.71	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,120.38	3/4	1,777.16	3/4	1,433.93	3/4	1,090.71	3/4	747.78	3/4	405.86	3/4	97.77	3/4	3/4	3/4	3/4	3/4	3/4
1	2,113.23	1	1,770.01	1	1,426.78	1	1,083.56	1	740.63	1	398.92	1	91.84	1	1	1	1	1	1
1/4	2,106.08	1/4	1,762.85	1/4	1,419.63	1/4	1,076.41	1/4	733.48	1/4	392.07	1/4	85.99	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,098.93	1/2	1,755.70	1/2	1,412.48	1/2	1,069.26	1/2	726.33	1/2	385.21	1/2	80.15	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,091.78	3/4	1,748.55	3/4	1,405.33	3/4	1,062.11	3/4	719.18	3/4	378.35	3/4	74.31	3/4	3/4	3/4	3/4	3/4	3/4
2	2,084.63	2	1,741.40	2	1,398.18	2	1,054.96	2	712.03	2	371.49	2	68.46	2	2	2	2	2	2
1/4	2,077.48	1/4	1,734.25	1/4	1,391.03	1/4	1,047.81	1/4	704.88	1/4	364.72	1/4	62.73	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,070.33	1/2	1,727.10	1/2	1,383.88	1/2	1,040.66	1/2	697.73	1/2	357.94	1/2	56.99	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,063.18	3/4	1,719.95	3/4	1,376.73	3/4	1,033.51	3/4	690.58	3/4	351.17	3/4	51.26	3/4	3/4	3/4	3/4	3/4	3/4
3	2,056.03	3	1,712.80	3	1,369.58	3	1,026.36	3	683.43	3	344.40	3	45.52	3	3	3	3	3	3
1/4	2,048.87	1/4	1,705.65	1/4	1,362.43	1/4	1,019.21	1/4	676.28	1/4	337.71	1/4	40.73	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,041.72	1/2	1,698.50	1/2	1,355.28	1/2	1,012.07	1/2	669.13	1/2	331.02	1/2	35.94	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,034.57	3/4	1,691.35	3/4	1,348.13	3/4	1,004.93	3/4	661.98	3/4	324.33	3/4	31.15	3/4	3/4	3/4	3/4	3/4	3/4
4	2,027.42	4	1,684.20	4	1,340.98	4	997.79	4	654.83	4	317.64	4	26.36	4	4	4	4	4	4
1/4	2,020.27	1/4	1,677.05	1/4	1,333.82	1/4	990.65	1/4	647.67	1/4	311.03	1/4	23.44	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,013.12	1/2	1,669.90	1/2	1,326.67	1/2	983.51	1/2	640.52	1/2	304.42	1/2	20.51	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,005.97	3/4	1,662.75	3/4	1,319.52	3/4	976.37	3/4	633.37	3/4	297.81	3/4	17.59	3/4	3/4	3/4	3/4	3/4	3/4
5	1,998.82	5	1,655.60	5	1,312.37	5	969.22	5	626.22	5	291.21	5	14.67	5	5	5	5	5	5
1/4	1,991.67	1/4	1,648.45	1/4	1,305.22	1/4	962.08	1/4	619.07	1/4	284.68	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,984.52	1/2	1,641.30	1/2	1,298.07	1/2	954.94	1/2	611.92	1/2	278.16	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,977.37	3/4	1,634.15	3/4	1,290.92	3/4	947.80	3/4	604.77	3/4	271.64	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	1,970.22	6	1,627.00	6	1,283.77	6	940.66	6	597.62	6	265.12	6		6	6	6	6	6	6
1/4	1,963.07	1/4	1,619.84	1/4	1,276.62	1/4	933.52	1/4	590.47	1/4	258.68	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,955.92	1/2	1,612.69	1/2	1,269.47	1/2	926.37	1/2	583.32	1/2	252.24	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,948.77	3/4	1,605.54	3/4	1,262.32	3/4	919.23	3/4	576.17	3/4	245.80	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	1,941.62	7	1,598.39	7	1,255.17	7	912.09	7	569.02	7	239.36	7		7	7	7	7	7	7
1/4	1,934.47	1/4	1,591.24	1/4	1,248.02	1/4	904.95	1/4	561.87	1/4	233.00	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,927.32	1/2	1,584.09	1/2	1,240.87	1/2	897.81	1/2	554.72	1/2	226.65	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,920.17	3/4	1,576.94	3/4	1,233.72	3/4	890.67	3/4	547.57	3/4	220.29	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,913.02	8	1,569.79	8	1,226.57	8	883.52	8	540.42	8	213.93	8		8	8	8	8	8	8
1/4	1,905.86	1/4	1,562.64	1/4	1,219.42	1/4	876.38	1/4	533.27	1/4	207.66	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,898.71	1/2	1,555.49	1/2	1,212.27	1/2	869.24	1/2	526.12	1/2	201.39	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,891.56	3/4	1,548.34	3/4	1,205.12	3/4	862.10	3/4	518.97	3/4	195.12	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,884.41	9	1,541.19	9	1,197.97	9	854.96	9	511.82	9	188.84	9		9	9	9	9	9	9
1/4	1,877.26	1/4	1,534.04	1/4	1,190.81	1/4	847.82	1/4	504.67	1/4	182.66	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,870.11	1/2	1,526.89	1/2	1,183.66	1/2	840.68	1/2	497.52	1/2	176.47	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,862.96	3/4	1,519.74	3/4	1,176.51	3/4	833.53	3/4	490.37	3/4	170.28	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,855.81	10	1,512.59	10	1,169.36	10	826.39	10	483.22	10	164.09	10		10	10	10	10	10	10
1/4	1,848.66	1/4	1,505.44	1/4	1,162.21	1/4	819.25	1/4	476.11	1/4	157.98	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,841.51	1/2	1,498.29	1/2	1,155.06	1/2	812.11	1/2	469.00	1/2	151.88	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,834.36	3/4	1,491.14	3/4	1,147.91	3/4	804.97	3/4	461.90	3/4	145.77	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,827.21	11	1,483.99	11	1,140.76	11	797.83	11	454.79	11	139.67	11		11	11	11	11	11	11
1/4	1,820.06	1/4	1,476.83	1/4	1,133.61	1/4	790.68	1/4	447.76	1/4	133.65	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,812.91	1/2	1,469.68	1/2	1,126.46	1/2	783.53	1/2	440.74	1/2	127.63	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,805.76	3/4	1,462.53	3/4	1,119.31	3/4	776.38	3/4	433.71	3/4	121.60	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/25/2020 CL  
CALCULATED: 08/26/2020 CL  
PRINTED: 08/26/2020 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2020



**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**2 PORT**  
**ULLAGE TABLE**

**HERMETIC**

GAUGE HEIGHT 16'-05 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,919.50	0	4,579.56	0	4,238.99	0	3,897.09	0	3,555.19	0	3,213.29	0	2,871.34	0	2,529.34
1/4		1/4		1/4	4,912.46	1/4	4,572.47	1/4	4,231.87	1/4	3,889.97	1/4	3,548.07	1/4	3,206.17	1/4	2,864.22	1/4	2,522.21
1/2		1/2		1/2	4,905.42	1/2	4,565.38	1/2	4,224.74	1/2	3,882.85	1/2	3,540.95	1/2	3,199.05	1/2	2,857.09	1/2	2,515.09
3/4		3/4		3/4	4,898.37	3/4	4,558.29	3/4	4,217.62	3/4	3,875.72	3/4	3,533.82	3/4	3,191.92	3/4	2,849.97	3/4	2,507.96
1		1		1	4,891.32	1	4,551.20	1	4,210.50	1	3,868.60	1	3,526.70	1	3,184.80	1	2,842.84	1	2,500.84
1/4		1/4		1/4	4,884.28	1/4	4,544.11	1/4	4,203.38	1/4	3,861.48	1/4	3,519.58	1/4	3,177.68	1/4	2,835.72	1/4	2,493.71
1/2		1/2		1/2	4,877.23	1/2	4,537.02	1/2	4,196.25	1/2	3,854.35	1/2	3,512.45	1/2	3,170.56	1/2	2,828.59	1/2	2,486.59
3/4		3/4		3/4	4,870.18	3/4	4,529.93	3/4	4,189.13	3/4	3,847.23	3/4	3,505.33	3/4	3,163.43	3/4	2,821.47	3/4	2,479.46
2		2		2	4,863.14	2	4,522.84	2	4,182.01	2	3,840.11	2	3,498.21	2	3,156.31	2	2,814.34	2	2,472.34
1/4		1/4		1/4	4,856.09	1/4	4,515.75	1/4	4,174.88	1/4	3,832.99	1/4	3,491.09	1/4	3,149.19	1/4	2,807.22	1/4	2,465.21
1/2		1/2		1/2	4,849.00	1/2	4,508.66	1/2	4,167.76	1/2	3,825.86	1/2	3,483.96	1/2	3,142.06	1/2	2,800.09	1/2	2,458.09
3/4		3/4		3/4	4,841.91	3/4	4,501.57	3/4	4,160.64	3/4	3,818.74	3/4	3,476.84	3/4	3,134.94	3/4	2,792.97	3/4	2,450.96
3		3		3	4,834.82	3	4,494.48	3	4,153.52	3	3,811.62	3	3,469.72	3	3,127.82	3	2,785.84	3	2,443.84
1/4		1/4		1/4	4,827.73	1/4	4,487.38	1/4	4,146.39	1/4	3,804.49	1/4	3,462.59	1/4	3,120.70	1/4	2,778.72	1/4	2,436.71
1/2		1/2		1/2	4,820.64	1/2	4,480.29	1/2	4,139.27	1/2	3,797.37	1/2	3,455.47	1/2	3,113.57	1/2	2,771.59	1/2	2,429.59
3/4		3/4		3/4	4,813.55	3/4	4,473.20	3/4	4,132.15	3/4	3,790.25	3/4	3,448.35	3/4	3,106.45	3/4	2,764.47	3/4	2,422.46
4		4		4	4,806.46	4	4,466.11	4	4,125.02	4	3,783.12	4	3,441.23	4	3,099.33	4	2,757.34	4	2,415.34
1/4		1/4		1/4	4,799.37	1/4	4,459.02	1/4	4,117.90	1/4	3,776.00	1/4	3,434.10	1/4	3,092.20	1/4	2,750.22	1/4	2,408.21
1/2		1/2		1/2	4,792.28	1/2	4,451.93	1/2	4,110.78	1/2	3,768.88	1/2	3,426.98	1/2	3,085.08	1/2	2,743.09	1/2	2,401.09
3/4		3/4		3/4	4,785.19	3/4	4,444.84	3/4	4,103.66	3/4	3,761.76	3/4	3,419.86	3/4	3,077.96	3/4	2,735.97	3/4	2,393.96
5		5		5	4,778.10	5	4,437.75	5	4,096.53	5	3,754.63	5	3,412.73	5	3,070.83	5	2,728.84	5	2,386.84
1/4		1/4		1/4	4,771.00	1/4	4,430.66	1/4	4,089.41	1/4	3,747.51	1/4	3,405.61	1/4	3,063.71	1/4	2,721.72	1/4	2,379.71
1/2		1/2		1/2	4,763.91	1/2	4,423.57	1/2	4,082.29	1/2	3,740.39	1/2	3,398.49	1/2	3,056.59	1/2	2,714.59	1/2	2,372.59
3/4		3/4		3/4	4,756.82	3/4	4,416.48	3/4	4,075.16	3/4	3,733.26	3/4	3,391.37	3/4	3,049.47	3/4	2,707.47	3/4	2,365.46
6		6		6	4,749.73	6	4,409.39	6	4,068.04	6	3,726.14	6	3,384.24	6	3,042.34	6	2,700.34	6	2,358.34
1/4		1/4	5,056.28	1/4	4,742.64	1/4	4,402.30	1/4	4,060.92	1/4	3,719.02	1/4	3,377.12	1/4	3,035.22	1/4	2,693.22	1/4	2,351.21
1/2		1/2	5,052.50	1/2	4,735.55	1/2	4,395.21	1/2	4,053.80	1/2	3,711.90	1/2	3,370.00	1/2	3,028.10	1/2	2,686.09	1/2	2,344.09
3/4		3/4	5,048.72	3/4	4,728.46	3/4	4,388.12	3/4	4,046.67	3/4	3,704.77	3/4	3,362.87	3/4	3,020.97	3/4	2,678.97	3/4	2,336.96
7		7	5,044.94	7	4,721.37	7	4,381.03	7	4,039.55	7	3,697.65	7	3,355.75	7	3,013.85	7	2,671.84	7	2,329.84
1/4		1/4	5,041.16	1/4	4,714.28	1/4	4,373.94	1/4	4,032.43	1/4	3,690.53	1/4	3,348.63	1/4	3,006.72	1/4	2,664.72	1/4	2,322.71
1/2		1/2	5,036.19	1/2	4,707.19	1/2	4,366.85	1/2	4,025.30	1/2	3,683.40	1/2	3,341.51	1/2	2,999.59	1/2	2,657.59	1/2	2,315.59
3/4		3/4	5,031.22	3/4	4,700.10	3/4	4,359.76	3/4	4,018.18	3/4	3,676.28	3/4	3,334.38	3/4	2,992.47	3/4	2,650.46	3/4	2,308.46
8		8	5,026.26	8	4,693.01	8	4,352.67	8	4,011.06	8	3,669.16	8	3,327.26	8	2,985.34	8	2,643.34	8	2,301.34
1/4		1/4	5,021.29	1/4	4,685.92	1/4	4,345.57	1/4	4,003.93	1/4	3,662.04	1/4	3,320.14	1/4	2,978.22	1/4	2,636.21	1/4	2,294.21
1/2		1/2	5,015.13	1/2	4,678.83	1/2	4,338.48	1/2	3,996.81	1/2	3,654.91	1/2	3,313.01	1/2	2,971.09	1/2	2,629.09	1/2	2,287.08
3/4		3/4	5,008.98	3/4	4,671.74	3/4	4,331.39	3/4	3,989.69	3/4	3,647.79	3/4	3,305.89	3/4	2,963.97	3/4	2,621.96	3/4	2,279.96
9		9	5,002.82	9	4,664.65	9	4,324.30	9	3,982.57	9	3,640.67	9	3,298.77	9	2,956.84	9	2,614.84	9	2,272.83
1/4		1/4	4,996.67	1/4	4,657.56	1/4	4,317.21	1/4	3,975.44	1/4	3,633.54	1/4	3,291.64	1/4	2,949.72	1/4	2,607.71	1/4	2,265.71
1/2		1/2	4,989.69	1/2	4,650.47	1/2	4,310.12	1/2	3,968.32	1/2	3,626.42	1/2	3,284.52	1/2	2,942.59	1/2	2,600.59	1/2	2,258.58
3/4		3/4	4,982.71	3/4	4,643.38	3/4	4,303.03	3/4	3,961.20	3/4	3,619.30	3/4	3,277.40	3/4	2,935.47	3/4	2,593.46	3/4	2,251.46
10		10	4,975.74	10	4,636.29	10	4,295.94	10	3,954.07	10	3,612.18	10	3,270.28	10	2,928.34	10	2,586.34	10	2,244.33
1/4		1/4	4,968.76	1/4	4,629.19	1/4	4,288.85	1/4	3,946.95	1/4	3,605.05	1/4	3,263.15	1/4	2,921.22	1/4	2,579.21	1/4	2,237.21
1/2		1/2	4,961.73	1/2	4,622.10	1/2	4,281.73	1/2	3,939.83	1/2	3,597.93	1/2	3,256.03	1/2	2,914.09	1/2	2,572.09	1/2	2,230.08
3/4		3/4	4,954.70	3/4	4,615.01	3/4	4,274.60	3/4	3,932.71	3/4	3,590.81	3/4	3,248.91	3/4	2,906.97	3/4	2,564.96	3/4	2,222.96
11		11	4,947.67	11	4,607.92	11	4,267.48	11	3,925.58	11	3,583.68	11	3,241.78	11	2,899.84	11	2,557.84	11	2,215.83
1/4		1/4	4,940.63	1/4	4,600.83	1/4	4,260.36	1/4	3,918.46	1/4	3,576.56	1/4	3,234.66	1/4	2,892.72	1/4	2,550.71	1/4	2,208.71
1/2		1/2	4,933.59	1/2	4,593.74	1/2	4,253.24	1/2	3,911.34	1/2	3,569.44	1/2	3,227.54	1/2	2,885.59	1/2	2,543.59	1/2	2,201.58
3/4		3/4	4,926.55	3/4	4,586.65	3/4	4,246.11	3/4	3,904.21	3/4	3,562.31	3/4	3,220.42	3/4	2,878.47	3/4	2,536.46	3/4	2,194.46

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.  
GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**2 PORT**  
**ULLAGE TABLE**  
**HERMETIC**  
**GAUGE HEIGHT 16'-05 1/4"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,187.33	0	1,845.33	0	1,503.32	0	1,161.32	0	832.34	0	491.77	0	149.78	0		0		0	
1/4	2,180.21	1/4	1,838.20	1/4	1,496.20	1/4	1,154.19	1/4	825.51	1/4	484.65	1/4	142.66	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,173.08	1/2	1,831.08	1/2	1,489.07	1/2	1,147.07	1/2	818.67	1/2	477.52	1/2	135.53	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,165.96	3/4	1,823.95	3/4	1,481.95	3/4	1,139.94	3/4	811.83	3/4	470.40	3/4	128.41	3/4	3/4	3/4	3/4	3/4	3/4
1	2,158.83	1	1,816.83	1	1,474.82	1	1,132.82	1	804.98	1	463.27	1	121.29	1	1	1	1	1	1
1/4	2,151.71	1/4	1,809.70	1/4	1,467.70	1/4	1,125.69	1/4	798.14	1/4	456.15	1/4	114.16	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,144.58	1/2	1,802.58	1/2	1,460.57	1/2	1,118.85	1/2	791.01	1/2	449.02	1/2	107.05	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,137.46	3/4	1,795.45	3/4	1,453.45	3/4	1,112.01	3/4	783.89	3/4	441.90	3/4	99.93	3/4	3/4	3/4	3/4	3/4	3/4
2	2,130.33	2	1,788.33	2	1,446.32	2	1,105.16	2	776.76	2	434.77	2	92.82	2	2	2	2	2	2
1/4	2,123.21	1/4	1,781.20	1/4	1,439.20	1/4	1,098.32	1/4	769.64	1/4	427.65	1/4	85.71	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,116.08	1/2	1,774.08	1/2	1,432.07	1/2	1,091.49	1/2	762.52	1/2	420.52	1/2	78.62	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,108.96	3/4	1,766.95	3/4	1,424.95	3/4	1,084.67	3/4	755.39	3/4	413.40	3/4	71.53	3/4	3/4	3/4	3/4	3/4	3/4
3	2,101.83	3	1,759.83	3	1,417.82	3	1,077.84	3	748.27	3	406.28	3	64.44	3	3	3	3	3	3
1/4	2,094.71	1/4	1,752.70	1/4	1,410.70	1/4	1,071.01	1/4	741.14	1/4	399.15	1/4	57.35	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,087.58	1/2	1,745.58	1/2	1,403.57	1/2	1,064.19	1/2	734.02	1/2	392.03	1/2	51.12	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,080.46	3/4	1,738.45	3/4	1,396.45	3/4	1,057.37	3/4	726.89	3/4	384.90	3/4	44.89	3/4	3/4	3/4	3/4	3/4	3/4
4	2,073.33	4	1,731.33	4	1,389.32	4	1,050.56	4	719.77	4	377.78	4	38.65	4	4	4	4	4	4
1/4	2,066.21	1/4	1,724.20	1/4	1,382.20	1/4	1,043.74	1/4	712.64	1/4	370.65	1/4	32.42	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,059.08	1/2	1,717.08	1/2	1,375.07	1/2	1,036.92	1/2	705.52	1/2	363.53	1/2	27.97	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,051.96	3/4	1,709.95	3/4	1,367.95	3/4	1,030.10	3/4	698.39	3/4	356.40	3/4	23.51	3/4	3/4	3/4	3/4	3/4	3/4
5	2,044.83	5	1,702.83	5	1,360.82	5	1,023.28	5	691.27	5	349.28	5	19.06	5	5	5	5	5	5
1/4	2,037.71	1/4	1,695.70	1/4	1,353.70	1/4	1,016.46	1/4	684.14	1/4	342.15	1/4	14.61	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,030.58	1/2	1,688.58	1/2	1,346.57	1/2	1,009.64	1/2	677.02	1/2	335.03	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,023.46	3/4	1,681.45	3/4	1,339.45	3/4	1,002.83	3/4	669.89	3/4	327.90	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	2,016.33	6	1,674.33	6	1,332.32	6	996.01	6	662.77	6	320.78	6	6	6	6	6	6	6	6
1/4	2,009.21	1/4	1,667.20	1/4	1,325.20	1/4	989.19	1/4	655.64	1/4	313.65	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,002.08	1/2	1,660.08	1/2	1,318.07	1/2	982.37	1/2	648.52	1/2	306.53	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,994.96	3/4	1,652.95	3/4	1,310.95	3/4	975.55	3/4	641.39	3/4	299.40	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	1,987.83	7	1,645.83	7	1,303.82	7	968.73	7	634.27	7	292.28	7	7	7	7	7	7	7	7
1/4	1,980.71	1/4	1,638.70	1/4	1,296.70	1/4	961.91	1/4	627.14	1/4	285.15	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,973.58	1/2	1,631.58	1/2	1,289.57	1/2	955.10	1/2	620.02	1/2	278.03	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,966.46	3/4	1,624.45	3/4	1,282.45	3/4	948.28	3/4	612.89	3/4	270.90	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,959.33	8	1,617.33	8	1,275.32	8	941.46	8	605.77	8	263.78	8	8	8	8	8	8	8	8
1/4	1,952.21	1/4	1,610.20	1/4	1,268.20	1/4	934.64	1/4	598.64	1/4	256.65	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,945.08	1/2	1,603.08	1/2	1,261.07	1/2	927.82	1/2	591.52	1/2	249.53	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,937.95	3/4	1,595.95	3/4	1,253.95	3/4	921.00	3/4	584.40	3/4	242.40	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,930.83	9	1,588.83	9	1,246.82	9	914.18	9	577.27	9	235.28	9	9	9	9	9	9	9	9
1/4	1,923.70	1/4	1,581.70	1/4	1,239.70	1/4	907.37	1/4	570.15	1/4	228.16	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,916.58	1/2	1,574.57	1/2	1,232.57	1/2	900.55	1/2	563.02	1/2	221.03	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,909.45	3/4	1,567.45	3/4	1,225.44	3/4	893.73	3/4	555.90	3/4	213.91	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,902.33	10	1,560.32	10	1,218.32	10	886.91	10	548.77	10	206.78	10	10	10	10	10	10	10	10
1/4	1,895.20	1/4	1,553.20	1/4	1,211.19	1/4	880.09	1/4	541.65	1/4	199.66	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,888.08	1/2	1,546.07	1/2	1,204.07	1/2	873.27	1/2	534.52	1/2	192.53	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,880.95	3/4	1,538.95	3/4	1,196.94	3/4	866.46	3/4	527.40	3/4	185.41	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,873.83	11	1,531.82	11	1,189.82	11	859.64	11	520.27	11	178.28	11	11	11	11	11	11	11	11
1/4	1,866.70	1/4	1,524.70	1/4	1,182.69	1/4	852.82	1/4	513.15	1/4	171.16	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,859.58	1/2	1,517.57	1/2	1,175.57	1/2	845.99	1/2	506.02	1/2	164.03	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,852.45	3/4	1,510.45	3/4	1,168.44	3/4	839.17	3/4	498.90	3/4	156.91	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/25/2020 CL  
CALCULATED: 08/26/2020 CL  
PRINTED: 08/26/2020 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2020

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**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**2 STBD**  
**ULLAGE TABLE**

**HERMETIC**  
**GAUGE HEIGHT 16'-04 1/2"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,941.36	0	4,599.21	0	4,256.46	0	3,912.46	0	3,568.49	0	3,224.60	0	2,880.64	0	2,536.64
1/4		1/4		1/4	4,934.28	1/4	4,592.08	1/4	4,249.29	1/4	3,905.29	1/4	3,561.33	1/4	3,217.43	1/4	2,873.48	1/4	2,529.48
1/2		1/2		1/2	4,927.19	1/2	4,584.94	1/2	4,242.12	1/2	3,898.12	1/2	3,554.16	1/2	3,210.27	1/2	2,866.31	1/2	2,522.31
3/4		3/4		3/4	4,920.10	3/4	4,577.81	3/4	4,234.96	3/4	3,890.95	3/4	3,547.00	3/4	3,203.10	3/4	2,859.14	3/4	2,515.14
1		1		1	4,913.01	1	4,570.68	1	4,227.79	1	3,883.79	1	3,539.84	1	3,195.94	1	2,851.98	1	2,507.98
1/4		1/4		1/4	4,905.92	1/4	4,563.54	1/4	4,220.62	1/4	3,876.62	1/4	3,532.67	1/4	3,188.77	1/4	2,844.81	1/4	2,500.81
1/2		1/2		1/2	4,898.84	1/2	4,556.41	1/2	4,213.46	1/2	3,869.45	1/2	3,525.51	1/2	3,181.61	1/2	2,837.64	1/2	2,493.64
3/4		3/4		3/4	4,891.70	3/4	4,549.27	3/4	4,206.29	3/4	3,862.29	3/4	3,518.34	3/4	3,174.45	3/4	2,830.48	3/4	2,486.48
2		2		2	4,884.57	2	4,542.14	2	4,199.12	2	3,855.12	2	3,511.18	2	3,167.28	2	2,823.31	2	2,479.31
1/4		1/4		1/4	4,877.43	1/4	4,535.01	1/4	4,191.96	1/4	3,847.95	1/4	3,504.01	1/4	3,160.12	1/4	2,816.14	1/4	2,472.14
1/2		1/2		1/2	4,870.30	1/2	4,527.87	1/2	4,184.79	1/2	3,840.79	1/2	3,496.85	1/2	3,152.95	1/2	2,808.98	1/2	2,464.98
3/4		3/4		3/4	4,863.17	3/4	4,520.74	3/4	4,177.62	3/4	3,833.62	3/4	3,489.68	3/4	3,145.79	3/4	2,801.81	3/4	2,457.81
3		3		3	4,856.03	3	4,513.61	3	4,170.46	3	3,826.45	3	3,482.52	3	3,138.62	3	2,794.64	3	2,450.64
1/4		1/4		1/4	4,848.90	1/4	4,506.47	1/4	4,163.29	1/4	3,819.29	1/4	3,475.35	1/4	3,131.46	1/4	2,787.48	1/4	2,443.48
1/2		1/2		1/2	4,841.76	1/2	4,499.34	1/2	4,156.12	1/2	3,812.12	1/2	3,468.19	1/2	3,124.29	1/2	2,780.31	1/2	2,436.31
3/4		3/4		3/4	4,834.63	3/4	4,492.20	3/4	4,148.96	3/4	3,804.95	3/4	3,461.03	3/4	3,117.13	3/4	2,773.14	3/4	2,429.14
4		4		4	4,827.50	4	4,485.07	4	4,141.79	4	3,797.79	4	3,453.86	4	3,109.97	4	2,765.98	4	2,421.98
1/4		1/4		1/4	4,820.36	1/4	4,477.94	1/4	4,134.62	1/4	3,790.62	1/4	3,446.70	1/4	3,102.80	1/4	2,758.81	1/4	2,414.81
1/2		1/2		1/2	4,813.23	1/2	4,470.80	1/2	4,127.46	1/2	3,783.45	1/2	3,439.53	1/2	3,095.64	1/2	2,751.64	1/2	2,407.64
3/4		3/4		3/4	4,806.09	3/4	4,463.67	3/4	4,120.29	3/4	3,776.29	3/4	3,432.37	3/4	3,088.47	3/4	2,744.48	3/4	2,400.47
5		5		5	4,798.96	5	4,456.53	5	4,113.12	5	3,769.12	5	3,425.20	5	3,081.31	5	2,737.31	5	2,393.31
1/4		1/4		1/4	4,791.83	1/4	4,449.40	1/4	4,105.96	1/4	3,761.95	1/4	3,418.04	1/4	3,074.14	1/4	2,730.14	1/4	2,386.14
1/2		1/2		1/2	5,100.25	1/2	4,784.69	1/2	4,442.27	1/2	4,098.79	1/2	3,754.79	1/2	3,410.87	1/2	3,066.98	1/2	2,722.98
3/4		3/4		3/4	5,096.45	3/4	4,777.56	3/4	4,435.13	3/4	4,091.62	3/4	3,747.62	3/4	3,403.71	3/4	3,059.81	3/4	2,715.81
6		6		6	5,092.64	6	4,770.43	6	4,428.00	6	4,084.46	6	3,740.45	6	3,396.55	6	3,052.64	6	2,708.64
1/4		1/4		1/4	5,088.84	1/4	4,763.29	1/4	4,420.86	1/4	4,077.29	1/4	3,733.29	1/4	3,389.38	1/4	3,045.48	1/4	2,701.48
1/2		1/2		1/2	5,085.03	1/2	4,756.16	1/2	4,413.73	1/2	4,070.12	1/2	3,726.12	1/2	3,382.22	1/2	3,038.31	1/2	2,694.31
3/4		3/4		3/4	5,080.04	3/4	4,749.02	3/4	4,406.60	3/4	4,062.96	3/4	3,718.95	3/4	3,375.05	3/4	3,031.14	3/4	2,687.14
7		7		7	5,075.04	7	4,741.89	7	4,399.46	7	4,055.79	7	3,711.79	7	3,367.89	7	3,023.98	7	2,679.98
1/4		1/4		1/4	5,070.04	1/4	4,734.76	1/4	4,392.33	1/4	4,048.62	1/4	3,704.62	1/4	3,360.72	1/4	3,016.81	1/4	2,672.81
1/2		1/2		1/2	5,065.04	1/2	4,727.62	1/2	4,385.19	1/2	4,041.46	1/2	3,697.45	1/2	3,353.56	1/2	3,009.64	1/2	2,665.64
3/4		3/4		3/4	5,058.85	3/4	4,720.49	3/4	4,378.06	3/4	4,034.29	3/4	3,690.29	3/4	3,346.39	3/4	3,002.48	3/4	2,658.48
8		8		8	5,052.65	8	4,713.35	8	4,370.93	8	4,027.12	8	3,683.13	8	3,339.23	8	2,995.31	8	2,651.31
1/4		1/4		1/4	5,046.46	1/4	4,706.22	1/4	4,363.79	1/4	4,019.96	1/4	3,675.96	1/4	3,332.06	1/4	2,988.14	1/4	2,644.14
1/2		1/2		1/2	5,040.27	1/2	4,699.09	1/2	4,356.66	1/2	4,012.79	1/2	3,668.80	1/2	3,324.90	1/2	2,980.98	1/2	2,636.98
3/4		3/4		3/4	5,033.25	3/4	4,691.95	3/4	4,349.53	3/4	4,005.62	3/4	3,661.63	3/4	3,317.74	3/4	2,973.81	3/4	2,629.81
9		9		9	5,026.23	9	4,684.82	9	4,342.39	9	3,998.46	9	3,654.47	9	3,310.57	9	2,966.64	9	2,622.64
1/4		1/4		1/4	5,019.21	1/4	4,677.68	1/4	4,335.26	1/4	3,991.29	1/4	3,647.30	1/4	3,303.41	1/4	2,959.48	1/4	2,615.48
1/2		1/2		1/2	5,012.19	1/2	4,670.55	1/2	4,328.12	1/2	3,984.12	1/2	3,640.14	1/2	3,296.24	1/2	2,952.31	1/2	2,608.31
3/4		3/4		3/4	5,005.11	3/4	4,663.42	3/4	4,320.96	3/4	3,976.96	3/4	3,632.97	3/4	3,289.08	3/4	2,945.14	3/4	2,601.14
10		10		10	4,998.04	10	4,656.28	10	4,313.79	10	3,969.79	10	3,625.81	10	3,281.91	10	2,937.98	10	2,593.98
1/4		1/4		1/4	4,990.96	1/4	4,649.15	1/4	4,306.62	1/4	3,962.62	1/4	3,618.64	1/4	3,274.75	1/4	2,930.81	1/4	2,586.81
1/2		1/2		1/2	4,983.89	1/2	4,642.02	1/2	4,299.46	1/2	3,955.46	1/2	3,611.48	1/2	3,267.58	1/2	2,923.64	1/2	2,579.64
3/4		3/4		3/4	4,976.80	3/4	4,634.88	3/4	4,292.29	3/4	3,948.29	3/4	3,604.32	3/4	3,260.42	3/4	2,916.48	3/4	2,572.48
11		11		11	4,969.72	11	4,627.75	11	4,285.12	11	3,941.12	11	3,597.15	11	3,253.26	11	2,909.31	11	2,565.31
1/4		1/4		1/4	4,962.63	1/4	4,620.61	1/4	4,277.96	1/4	3,933.96	1/4	3,589.99	1/4	3,246.09	1/4	2,902.14	1/4	2,558.14
1/2		1/2		1/2	4,955.54	1/2	4,613.48	1/2	4,270.79	1/2	3,926.79	1/2	3,582.82	1/2	3,238.93	1/2	2,894.98	1/2	2,550.98
3/4		3/4		3/4	4,948.45	3/4	4,606.35	3/4	4,263.62	3/4	3,919.62	3/4	3,575.66	3/4	3,231.76	3/4	2,887.81	3/4	2,543.81

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.  
GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**2 STBD**  
**ULLAGE TABLE**  
**HERMETIC**  
**GAUGE HEIGHT 16'-04 1/2"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,192.64	0	1,848.64	0	1,504.64	0	1,160.64	0	817.14	0	473.15	0	129.16	0		0		0	
1/4	2,185.47	1/4	1,841.47	1/4	1,497.47	1/4	1,153.47	1/4	809.97	1/4	465.98	1/4	122.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,178.31	1/2	1,834.31	1/2	1,490.30	1/2	1,146.30	1/2	802.80	1/2	458.82	1/2	114.83	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,171.14	3/4	1,827.14	3/4	1,483.14	3/4	1,139.14	3/4	795.64	3/4	451.65	3/4	107.68	3/4	3/4	3/4	3/4	3/4	3/4
1	2,163.97	1	1,819.97	1	1,475.97	1	1,131.97	1	788.47	1	444.48	1	100.52	1	1	1	1	1	1
1/4	2,156.81	1/4	1,812.81	1/4	1,468.80	1/4	1,124.80	1/4	781.30	1/4	437.32	1/4	93.37	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,149.64	1/2	1,805.64	1/2	1,461.64	1/2	1,117.64	1/2	774.14	1/2	430.15	1/2	86.21	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,142.47	3/4	1,798.47	3/4	1,454.47	3/4	1,110.48	3/4	766.97	3/4	422.98	3/4	79.08	3/4	3/4	3/4	3/4	3/4	3/4
2	2,135.31	2	1,791.31	2	1,447.30	2	1,103.31	2	759.80	2	415.82	2	71.95	2	2	2	2	2	2
1/4	2,128.14	1/4	1,784.14	1/4	1,440.14	1/4	1,096.15	1/4	752.64	1/4	408.65	1/4	64.82	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,120.97	1/2	1,776.97	1/2	1,432.97	1/2	1,088.99	1/2	745.47	1/2	401.48	1/2	57.69	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,113.81	3/4	1,769.81	3/4	1,425.80	3/4	1,081.84	3/4	738.30	3/4	394.32	3/4	51.42	3/4	3/4	3/4	3/4	3/4	3/4
3	2,106.64	3	1,762.64	3	1,418.64	3	1,074.69	3	731.14	3	387.15	3	45.15	3	3	3	3	3	3
1/4	2,099.47	1/4	1,755.47	1/4	1,411.47	1/4	1,067.54	1/4	723.97	1/4	379.98	1/4	38.88	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,092.31	1/2	1,748.31	1/2	1,404.30	1/2	1,060.38	1/2	716.81	1/2	372.82	1/2	32.61	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,085.14	3/4	1,741.14	3/4	1,397.14	3/4	1,053.23	3/4	709.64	3/4	365.65	3/4	28.13	3/4	3/4	3/4	3/4	3/4	3/4
4	2,077.97	4	1,733.97	4	1,389.97	4	1,046.08	4	702.47	4	358.49	4	23.65	4	4	4	4	4	4
1/4	2,070.81	1/4	1,726.81	1/4	1,382.80	1/4	1,038.93	1/4	695.31	1/4	351.32	1/4	19.18	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,063.64	1/2	1,719.64	1/2	1,375.64	1/2	1,031.77	1/2	688.14	1/2	344.15	1/2	14.70	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,056.47	3/4	1,712.47	3/4	1,368.47	3/4	1,024.62	3/4	680.97	3/4	336.99	3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	2,049.31	5	1,705.30	5	1,361.30	5	1,017.47	5	673.81	5	329.82	5		5	5	5	5	5	5
1/4	2,042.14	1/4	1,698.14	1/4	1,354.14	1/4	1,010.31	1/4	666.64	1/4	322.65	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,034.97	1/2	1,690.97	1/2	1,346.97	1/2	1,003.16	1/2	659.47	1/2	315.49	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,027.81	3/4	1,683.80	3/4	1,339.80	3/4	996.01	3/4	652.31	3/4	308.32	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	2,020.64	6	1,676.64	6	1,332.64	6	988.86	6	645.14	6	301.15	6		6	6	6	6	6	6
1/4	2,013.47	1/4	1,669.47	1/4	1,325.47	1/4	981.70	1/4	637.98	1/4	293.99	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,006.31	1/2	1,662.30	1/2	1,318.30	1/2	974.55	1/2	630.81	1/2	286.82	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,999.14	3/4	1,655.14	3/4	1,311.14	3/4	967.40	3/4	623.64	3/4	279.66	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	1,991.97	7	1,647.97	7	1,303.97	7	960.25	7	616.48	7	272.49	7		7	7	7	7	7	7
1/4	1,984.81	1/4	1,640.80	1/4	1,296.80	1/4	953.09	1/4	609.31	1/4	265.32	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,977.64	1/2	1,633.64	1/2	1,289.64	1/2	945.94	1/2	602.14	1/2	258.16	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,970.47	3/4	1,626.47	3/4	1,282.47	3/4	938.79	3/4	594.98	3/4	250.99	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,963.31	8	1,619.30	8	1,275.30	8	931.64	8	587.81	8	243.82	8		8	8	8	8	8	8
1/4	1,956.14	1/4	1,612.14	1/4	1,268.14	1/4	924.48	1/4	580.64	1/4	236.66	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,948.97	1/2	1,604.97	1/2	1,260.97	1/2	917.33	1/2	573.48	1/2	229.49	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,941.81	3/4	1,597.80	3/4	1,253.80	3/4	910.18	3/4	566.31	3/4	222.32	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,934.64	9	1,590.64	9	1,246.64	9	903.03	9	559.14	9	215.16	9		9	9	9	9	9	9
1/4	1,927.47	1/4	1,583.47	1/4	1,239.47	1/4	895.87	1/4	551.98	1/4	207.99	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,920.31	1/2	1,576.30	1/2	1,232.30	1/2	888.72	1/2	544.81	1/2	200.82	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,913.14	3/4	1,569.14	3/4	1,225.14	3/4	881.57	3/4	537.65	3/4	193.66	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,905.97	10	1,561.97	10	1,217.97	10	874.42	10	530.48	10	186.49	10		10	10	10	10	10	10
1/4	1,898.81	1/4	1,554.80	1/4	1,210.80	1/4	867.26	1/4	523.31	1/4	179.33	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,891.64	1/2	1,547.64	1/2	1,203.64	1/2	860.11	1/2	516.15	1/2	172.16	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,884.47	3/4	1,540.47	3/4	1,196.47	3/4	852.95	3/4	508.98	3/4	164.99	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,877.31	11	1,533.30	11	1,189.30	11	845.79	11	501.81	11	157.83	11		11	11	11	11	11	11
1/4	1,870.14	1/4	1,526.14	1/4	1,182.14	1/4	838.63	1/4	494.65	1/4	150.66	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,862.97	1/2	1,518.97	1/2	1,174.97	1/2	831.47	1/2	487.48	1/2	143.49	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,855.81	3/4	1,511.80	3/4	1,167.80	3/4	824.30	3/4	480.31	3/4	136.33	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/25/2020 CL  
CALCULATED: 08/26/2020 CL  
PRINTED: 08/26/2020 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

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CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2020



**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**3 PORT**  
**ULLAGE TABLE**

**HERMETIC**  
**GAUGE HEIGHT 16'-05"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,305.71	0	4,097.01	0	3,887.95	0	3,678.12	0	3,468.54	0	3,204.75	0	2,863.16	0	2,521.45
1/4		1/4		1/4	4,301.38	1/4	4,092.66	1/4	3,883.58	1/4	3,673.75	1/4	3,464.18	1/4	3,197.66	1/4	2,856.04	1/4	2,514.33
1/2		1/2		1/2	4,297.06	1/2	4,088.31	1/2	3,879.21	1/2	3,669.37	1/2	3,459.83	1/2	3,190.56	1/2	2,848.92	1/2	2,507.22
3/4		3/4		3/4	4,292.73	3/4	4,083.96	3/4	3,874.84	3/4	3,665.00	3/4	3,455.47	3/4	3,183.46	3/4	2,841.80	3/4	2,500.10
1		1		1	4,288.41	1	4,079.60	1	3,870.46	1	3,660.63	1	3,451.12	1	3,176.36	1	2,834.68	1	2,492.98
1/4		1/4		1/4	4,284.08	1/4	4,075.25	1/4	3,866.09	1/4	3,656.26	1/4	3,446.76	1/4	3,169.27	1/4	2,827.56	1/4	2,485.86
1/2		1/2		1/2	4,279.76	1/2	4,070.90	1/2	3,861.72	1/2	3,651.89	1/2	3,442.40	1/2	3,162.17	1/2	2,820.44	1/2	2,478.74
3/4		3/4		3/4	4,275.43	3/4	4,066.55	3/4	3,857.35	3/4	3,647.52	3/4	3,438.05	3/4	3,155.07	3/4	2,813.32	3/4	2,471.62
2		2		2	4,271.11	2	4,062.20	2	3,852.98	2	3,643.15	2	3,433.69	2	3,147.97	2	2,806.20	2	2,464.50
1/4		1/4		1/4	4,266.75	1/4	4,057.84	1/4	3,848.61	1/4	3,638.77	1/4	3,429.34	1/4	3,140.88	1/4	2,799.09	1/4	2,457.38
1/2		1/2		1/2	4,262.40	1/2	4,053.49	1/2	3,844.23	1/2	3,634.40	1/2	3,424.98	1/2	3,133.78	1/2	2,791.97	1/2	2,450.26
3/4		3/4		3/4	4,258.05	3/4	4,049.14	3/4	3,839.86	3/4	3,630.03	3/4	3,420.63	3/4	3,126.68	3/4	2,784.85	3/4	2,443.14
3		3		3	4,253.70	3	4,044.79	3	3,835.49	3	3,625.66	3	3,416.27	3	3,119.58	3	2,777.73	3	2,436.02
1/4		1/4		1/4	4,249.34	1/4	4,040.43	1/4	3,831.12	1/4	3,621.29	1/4	3,411.91	1/4	3,112.47	1/4	2,770.61	1/4	2,428.90
1/2		1/2		1/2	4,244.99	1/2	4,036.08	1/2	3,826.75	1/2	3,616.92	1/2	3,407.56	1/2	3,105.35	1/2	2,763.49	1/2	2,421.78
3/4		3/4		3/4	4,240.64	3/4	4,031.73	3/4	3,822.38	3/4	3,612.55	3/4	3,403.20	3/4	3,098.24	3/4	2,756.37	3/4	2,414.66
4		4		4	4,236.29	4	4,027.38	4	3,818.01	4	3,608.17	4	3,398.85	4	3,091.12	4	2,749.25	4	2,407.54
1/4		1/4		1/4	4,231.93	1/4	4,023.02	1/4	3,813.63	1/4	3,603.80	1/4	3,394.49	1/4	3,084.01	1/4	2,742.14	1/4	2,400.42
1/2		1/2		1/2	4,227.58	1/2	4,018.67	1/2	3,809.26	1/2	3,599.43	1/2	3,390.14	1/2	3,076.89	1/2	2,735.02	1/2	2,393.30
3/4		3/4		3/4	4,223.23	3/4	4,014.32	3/4	3,804.89	3/4	3,595.06	3/4	3,385.78	3/4	3,069.78	3/4	2,727.90	3/4	2,386.18
5		5		5	4,218.88	5	4,009.97	5	3,800.52	5	3,590.69	5	3,381.42	5	3,062.66	5	2,720.78	5	2,379.06
1/4		1/4		1/4	4,214.53	1/4	4,005.62	1/4	3,796.15	1/4	3,586.32	1/4	3,377.09	1/4	3,055.55	1/4	2,713.66	1/4	2,371.94
1/2		1/2		1/2	4,210.17	1/2	4,001.26	1/2	3,791.78	1/2	3,581.94	1/2	3,372.75	1/2	3,048.43	1/2	2,706.54	1/2	2,364.82
3/4		3/4		3/4	4,205.82	3/4	3,996.91	3/4	3,787.41	3/4	3,577.57	3/4	3,368.41	3/4	3,041.32	3/4	2,699.42	3/4	2,357.70
6		6	4,386.80	6	4,201.47	6	3,992.56	6	3,783.03	6	3,573.20	6	3,364.07	6	3,034.20	6	2,692.30	6	2,350.58
1/4		1/4	4,385.09	1/4	4,197.12	1/4	3,988.21	1/4	3,778.66	1/4	3,568.83	1/4	3,359.74	1/4	3,027.07	1/4	2,685.19	1/4	2,343.46
1/2		1/2	4,383.38	1/2	4,192.76	1/2	3,983.85	1/2	3,774.29	1/2	3,564.46	1/2	3,355.40	1/2	3,019.94	1/2	2,678.07	1/2	2,336.34
3/4		3/4	4,381.68	3/4	4,188.41	3/4	3,979.50	3/4	3,769.92	3/4	3,560.09	3/4	3,351.06	3/4	3,012.81	3/4	2,670.95	3/4	2,329.22
7		7	4,379.97	7	4,184.06	7	3,975.15	7	3,765.55	7	3,555.72	7	3,346.73	7	3,005.68	7	2,663.83	7	2,322.10
1/4		1/4	4,377.72	1/4	4,179.71	1/4	3,970.80	1/4	3,761.18	1/4	3,551.34	1/4	3,339.63	1/4	2,998.55	1/4	2,656.71	1/4	2,314.98
1/2		1/2	4,375.48	1/2	4,175.36	1/2	3,966.44	1/2	3,756.80	1/2	3,546.97	1/2	3,332.53	1/2	2,991.42	1/2	2,649.59	1/2	2,307.86
3/4		3/4	4,373.24	3/4	4,171.00	3/4	3,962.09	3/4	3,752.43	3/4	3,542.60	3/4	3,325.43	3/4	2,984.28	3/4	2,642.47	3/4	2,300.74
8		8	4,370.99	8	4,166.65	8	3,957.74	8	3,748.06	8	3,538.23	8	3,318.33	8	2,977.15	8	2,635.35	8	2,293.62
1/4		1/4	4,367.56	1/4	4,162.30	1/4	3,953.39	1/4	3,743.69	1/4	3,533.87	1/4	3,311.23	1/4	2,970.02	1/4	2,628.23	1/4	2,286.50
1/2		1/2	4,364.12	1/2	4,157.95	1/2	3,949.04	1/2	3,739.32	1/2	3,529.52	1/2	3,304.13	1/2	2,962.89	1/2	2,621.12	1/2	2,279.38
3/4		3/4	4,360.69	3/4	4,153.59	3/4	3,944.68	3/4	3,734.95	3/4	3,525.16	3/4	3,297.03	3/4	2,955.76	3/4	2,614.00	3/4	2,272.26
9		9	4,357.26	9	4,149.24	9	3,940.33	9	3,730.58	9	3,520.81	9	3,289.93	9	2,948.63	9	2,606.88	9	2,265.14
1/4		1/4	4,353.00	1/4	4,144.89	1/4	3,935.98	1/4	3,726.20	1/4	3,516.45	1/4	3,282.83	1/4	2,941.50	1/4	2,599.76	1/4	2,258.02
1/2		1/2	4,348.75	1/2	4,140.54	1/2	3,931.63	1/2	3,721.83	1/2	3,512.10	1/2	3,275.73	1/2	2,934.37	1/2	2,592.64	1/2	2,250.90
3/4		3/4	4,344.49	3/4	4,136.18	3/4	3,927.27	3/4	3,717.46	3/4	3,507.74	3/4	3,268.63	3/4	2,927.24	3/4	2,585.52	3/4	2,243.78
10		10	4,340.23	10	4,131.83	10	3,922.92	10	3,713.09	10	3,503.38	10	3,261.53	10	2,920.11	10	2,578.40	10	2,236.66
1/4		1/4	4,335.92	1/4	4,127.48	1/4	3,918.55	1/4	3,708.72	1/4	3,499.03	1/4	3,254.44	1/4	2,912.99	1/4	2,571.28	1/4	2,229.54
1/2		1/2	4,331.61	1/2	4,123.13	1/2	3,914.18	1/2	3,704.35	1/2	3,494.67	1/2	3,247.34	1/2	2,905.87	1/2	2,564.17	1/2	2,222.42
3/4		3/4	4,327.30	3/4	4,118.78	3/4	3,909.81	3/4	3,699.98	3/4	3,490.32	3/4	3,240.24	3/4	2,898.75	3/4	2,557.05	3/4	2,215.30
11		11	4,322.99	11	4,114.42	11	3,905.44	11	3,695.60	11	3,485.96	11	3,233.14	11	2,891.63	11	2,549.93	11	2,208.18
1/4		1/4	4,318.67	1/4	4,110.07	1/4	3,901.06	1/4	3,691.23	1/4	3,481.61	1/4	3,226.05	1/4	2,884.51	1/4	2,542.81	1/4	2,201.06
1/2		1/2	4,314.35	1/2	4,105.72	1/2	3,896.69	1/2	3,686.86	1/2	3,477.25	1/2	3,218.95	1/2	2,877.39	1/2	2,535.69	1/2	2,193.94
3/4		3/4	4,310.03	3/4	4,101.37	3/4	3,892.32	3/4	3,682.49	3/4	3,472.89	3/4	3,211.85	3/4	2,870.27	3/4	2,528.57	3/4	2,186.82

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.  
GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**3 PORT**  
**ULLAGE TABLE**  
**HERMETIC**  
**GAUGE HEIGHT 16'-05"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,179.70	0	1,837.94	0	1,496.18	0	1,154.42	0	825.91	0	485.01	0	142.82	0		0			
1/4	2,172.58	1/4	1,830.82	1/4	1,489.06	1/4	1,147.30	1/4	819.02	1/4	477.89	1/4	135.69	1/4	1/4				
1/2	2,165.46	1/2	1,823.70	1/2	1,481.94	1/2	1,140.18	1/2	812.13	1/2	470.77	1/2	128.56	1/2	1/2				
3/4	2,158.34	3/4	1,816.58	3/4	1,474.82	3/4	1,133.06	3/4	805.24	3/4	463.65	3/4	121.43	3/4	3/4				
1	2,151.22	1	1,809.46	1	1,467.70	1	1,125.94	1	798.35	1	456.53	1	114.30	1	1				
1/4	2,144.10	1/4	1,802.34	1/4	1,460.58	1/4	1,119.05	1/4	791.23	1/4	449.41	1/4	107.17	1/4	1/4				
1/2	2,136.98	1/2	1,795.22	1/2	1,453.46	1/2	1,112.16	1/2	784.10	1/2	442.29	1/2	100.05	1/2	1/2				
3/4	2,129.86	3/4	1,788.10	3/4	1,446.34	3/4	1,105.27	3/4	776.98	3/4	435.17	3/4	92.93	3/4	3/4				
2	2,122.74	2	1,780.98	2	1,439.22	2	1,098.38	2	769.86	2	428.04	2	85.81	2	2				
1/4	2,115.62	1/4	1,773.86	1/4	1,432.10	1/4	1,091.57	1/4	762.74	1/4	420.92	1/4	78.71	1/4	1/4				
1/2	2,108.50	1/2	1,766.74	1/2	1,424.98	1/2	1,084.75	1/2	755.62	1/2	413.80	1/2	71.61	1/2	1/2				
3/4	2,101.38	3/4	1,759.62	3/4	1,417.86	3/4	1,077.93	3/4	748.50	3/4	406.68	3/4	64.52	3/4	3/4				
3	2,094.26	3	1,752.50	3	1,410.74	3	1,071.11	3	741.38	3	399.56	3	57.42	3	3				
1/4	2,087.14	1/4	1,745.38	1/4	1,403.62	1/4	1,064.30	1/4	734.26	1/4	392.44	1/4	51.18	1/4	1/4				
1/2	2,080.02	1/2	1,738.26	1/2	1,396.50	1/2	1,057.49	1/2	727.13	1/2	385.32	1/2	44.94	1/2	1/2				
3/4	2,072.90	3/4	1,731.14	3/4	1,389.38	3/4	1,050.68	3/4	720.01	3/4	378.20	3/4	38.70	3/4	3/4				
4	2,065.78	4	1,724.02	4	1,382.26	4	1,043.87	4	712.89	4	371.07	4	32.46	4	4				
1/4	2,058.66	1/4	1,716.90	1/4	1,375.14	1/4	1,037.06	1/4	705.77	1/4	363.94	1/4	28.00	1/4	1/4				
1/2	2,051.54	1/2	1,709.78	1/2	1,368.02	1/2	1,030.25	1/2	698.65	1/2	356.81	1/2	23.54	1/2	1/2				
3/4	2,044.42	3/4	1,702.66	3/4	1,360.90	3/4	1,023.44	3/4	691.53	3/4	349.68	3/4	19.09	3/4	3/4				
5	2,037.30	5	1,695.54	5	1,353.78	5	1,016.63	5	684.41	5	342.54	5	14.63	5	5				
1/4	2,030.18	1/4	1,688.42	1/4	1,346.66	1/4	1,009.82	1/4	677.29	1/4	335.41	1/4		1/4	1/4				
1/2	2,023.06	1/2	1,681.30	1/2	1,339.54	1/2	1,003.01	1/2	670.16	1/2	328.28	1/2		1/2	1/2				
3/4	2,015.94	3/4	1,674.18	3/4	1,332.42	3/4	996.19	3/4	663.04	3/4	321.14	3/4		3/4	3/4				
6	2,008.82	6	1,667.06	6	1,325.30	6	989.38	6	655.92	6	314.01	6		6	6				
1/4	2,001.70	1/4	1,659.94	1/4	1,318.18	1/4	982.57	1/4	648.80	1/4	306.88	1/4		1/4	1/4				
1/2	1,994.58	1/2	1,652.82	1/2	1,311.06	1/2	975.76	1/2	641.68	1/2	299.75	1/2		1/2	1/2				
3/4	1,987.46	3/4	1,645.70	3/4	1,303.94	3/4	968.95	3/4	634.56	3/4	292.61	3/4		3/4	3/4				
7	1,980.34	7	1,638.58	7	1,296.82	7	962.14	7	627.44	7	285.48	7		7	7				
1/4	1,973.22	1/4	1,631.46	1/4	1,289.70	1/4	955.33	1/4	620.32	1/4	278.35	1/4		1/4	1/4				
1/2	1,966.10	1/2	1,624.34	1/2	1,282.58	1/2	948.52	1/2	613.20	1/2	271.21	1/2		1/2	1/2				
3/4	1,958.98	3/4	1,617.22	3/4	1,275.46	3/4	941.71	3/4	606.07	3/4	264.08	3/4		3/4	3/4				
8	1,951.86	8	1,610.10	8	1,268.34	8	934.90	8	598.95	8	256.95	8		8	8				
1/4	1,944.74	1/4	1,602.98	1/4	1,261.22	1/4	928.09	1/4	591.83	1/4	249.82	1/4		1/4	1/4				
1/2	1,937.62	1/2	1,595.86	1/2	1,254.10	1/2	921.28	1/2	584.71	1/2	242.68	1/2		1/2	1/2				
3/4	1,930.50	3/4	1,588.74	3/4	1,246.98	3/4	914.47	3/4	577.59	3/4	235.55	3/4		3/4	3/4				
9	1,923.38	9	1,581.62	9	1,239.86	9	907.66	9	570.47	9	228.42	9		9	9				
1/4	1,916.26	1/4	1,574.50	1/4	1,232.74	1/4	900.85	1/4	563.35	1/4	221.28	1/4		1/4	1/4				
1/2	1,909.14	1/2	1,567.38	1/2	1,225.62	1/2	894.04	1/2	556.23	1/2	214.15	1/2		1/2	1/2				
3/4	1,902.02	3/4	1,560.26	3/4	1,218.50	3/4	887.23	3/4	549.10	3/4	207.02	3/4		3/4	3/4				
10	1,894.90	10	1,553.14	10	1,211.38	10	880.42	10	541.98	10	199.88	10		10	10				
1/4	1,887.78	1/4	1,546.02	1/4	1,204.26	1/4	873.61	1/4	534.86	1/4	192.75	1/4		1/4	1/4				
1/2	1,880.66	1/2	1,538.90	1/2	1,197.14	1/2	866.80	1/2	527.74	1/2	185.62	1/2		1/2	1/2				
3/4	1,873.54	3/4	1,531.78	3/4	1,190.02	3/4	859.99	3/4	520.62	3/4	178.49	3/4		3/4	3/4				
11	1,866.42	11	1,524.66	11	1,182.90	11	853.18	11	513.50	11	171.35	11		11	11				
1/4	1,859.30	1/4	1,517.54	1/4	1,175.78	1/4	846.36	1/4	506.38	1/4	164.22	1/4		1/4	1/4				
1/2	1,852.18	1/2	1,510.42	1/2	1,168.66	1/2	839.54	1/2	499.26	1/2	157.09	1/2		1/2	1/2				
3/4	1,845.06	3/4	1,503.30	3/4	1,161.54	3/4	832.72	3/4	492.13	3/4	149.95	3/4		3/4	3/4				

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/25/2020 CL  
CALCULATED: 08/26/2020 CL  
PRINTED: 08/26/2020 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2020



**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**3 STBD**  
**ULLAGE TABLE**

**HERMETIC**  
**GAUGE HEIGHT 16'-05"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,323.75	0	4,114.93	0	3,905.73	0	3,695.77	0	3,485.82	0	3,221.69	0	2,880.42	0	2,538.72
1/4		1/4		1/4	4,319.42	1/4	4,110.57	1/4	3,901.36	1/4	3,691.40	1/4	3,481.44	1/4	3,214.59	1/4	2,873.31	1/4	2,531.58
1/2		1/2		1/2	4,315.09	1/2	4,106.22	1/2	3,896.98	1/2	3,687.03	1/2	3,477.07	1/2	3,207.50	1/2	2,866.20	1/2	2,524.45
3/4		3/4		3/4	4,310.77	3/4	4,101.86	3/4	3,892.61	3/4	3,682.65	3/4	3,472.69	3/4	3,200.40	3/4	2,859.08	3/4	2,517.32
1		1		1	4,306.44	1	4,097.51	1	3,888.23	1	3,678.28	1	3,468.32	1	3,193.30	1	2,851.97	1	2,510.18
1/4		1/4		1/4	4,302.11	1/4	4,093.15	1/4	3,883.86	1/4	3,673.90	1/4	3,463.95	1/4	3,186.21	1/4	2,844.85	1/4	2,503.05
1/2		1/2		1/2	4,297.78	1/2	4,088.80	1/2	3,879.49	1/2	3,669.53	1/2	3,459.57	1/2	3,179.11	1/2	2,837.74	1/2	2,495.92
3/4		3/4		3/4	4,293.46	3/4	4,084.44	3/4	3,875.11	3/4	3,665.15	3/4	3,455.20	3/4	3,172.01	3/4	2,830.63	3/4	2,488.79
2		2		2	4,289.13	2	4,080.09	2	3,870.74	2	3,660.78	2	3,450.82	2	3,164.92	2	2,823.51	2	2,481.65
1/4		1/4		1/4	4,284.78	1/4	4,075.73	1/4	3,866.36	1/4	3,656.41	1/4	3,446.45	1/4	3,157.82	1/4	2,816.40	1/4	2,474.52
1/2		1/2		1/2	4,280.42	1/2	4,071.38	1/2	3,861.99	1/2	3,652.03	1/2	3,442.08	1/2	3,150.72	1/2	2,809.28	1/2	2,467.39
3/4		3/4		3/4	4,276.07	3/4	4,067.02	3/4	3,857.61	3/4	3,647.66	3/4	3,437.70	3/4	3,143.63	3/4	2,802.17	3/4	2,460.26
3		3		3	4,271.71	3	4,062.67	3	3,853.24	3	3,643.28	3	3,433.33	3	3,136.53	3	2,795.06	3	2,453.12
1/4		1/4		1/4	4,267.36	1/4	4,058.31	1/4	3,848.87	1/4	3,638.91	1/4	3,428.95	1/4	3,129.41	1/4	2,787.94	1/4	2,445.99
1/2		1/2		1/2	4,263.00	1/2	4,053.96	1/2	3,844.49	1/2	3,634.54	1/2	3,424.58	1/2	3,122.30	1/2	2,780.83	1/2	2,438.86
3/4		3/4		3/4	4,258.65	3/4	4,049.60	3/4	3,840.12	3/4	3,630.16	3/4	3,420.20	3/4	3,115.19	3/4	2,773.71	3/4	2,431.73
4		4		4	4,254.29	4	4,045.25	4	3,835.74	4	3,625.79	4	3,415.83	4	3,108.07	4	2,766.60	4	2,424.60
1/4		1/4		1/4	4,249.93	1/4	4,040.89	1/4	3,831.37	1/4	3,621.41	1/4	3,411.46	1/4	3,100.96	1/4	2,759.49	1/4	2,417.46
1/2		1/2		1/2	4,245.58	1/2	4,036.54	1/2	3,827.00	1/2	3,617.04	1/2	3,407.08	1/2	3,093.84	1/2	2,752.37	1/2	2,410.33
3/4		3/4		3/4	4,241.22	3/4	4,032.18	3/4	3,822.62	3/4	3,612.67	3/4	3,402.71	3/4	3,086.73	3/4	2,745.26	3/4	2,403.20
5		5		5	4,236.87	5	4,027.82	5	3,818.25	5	3,608.29	5	3,398.33	5	3,079.62	5	2,738.14	5	2,396.07
1/4		1/4		1/4	4,232.51	1/4	4,023.47	1/4	3,813.87	1/4	3,603.92	1/4	3,394.00	1/4	3,072.50	1/4	2,731.03	1/4	2,388.93
1/2		1/2		1/2	4,228.16	1/2	4,019.11	1/2	3,809.50	1/2	3,599.54	1/2	3,389.66	1/2	3,065.39	1/2	2,723.92	1/2	2,381.80
3/4		3/4		3/4	4,223.80	3/4	4,014.76	3/4	3,805.13	3/4	3,595.17	3/4	3,385.32	3/4	3,058.27	3/4	2,716.80	3/4	2,374.67
6		6	4,404.90	6	4,219.45	6	4,010.40	6	3,800.75	6	3,590.79	6	3,380.98	6	3,051.16	6	2,709.69	6	2,367.54
1/4		1/4	4,403.19	1/4	4,215.09	1/4	4,006.05	1/4	3,796.38	1/4	3,586.42	1/4	3,376.64	1/4	3,044.05	1/4	2,702.57	1/4	2,360.41
1/2		1/2	4,401.48	1/2	4,210.74	1/2	4,001.69	1/2	3,792.00	1/2	3,582.05	1/2	3,372.30	1/2	3,036.93	1/2	2,695.46	1/2	2,353.27
3/4		3/4	4,399.77	3/4	4,206.38	3/4	3,997.34	3/4	3,787.63	3/4	3,577.67	3/4	3,367.96	3/4	3,029.82	3/4	2,688.35	3/4	2,346.14
7		7	4,398.07	7	4,202.03	7	3,992.98	7	3,783.26	7	3,573.30	7	3,363.63	7	3,022.70	7	2,681.23	7	2,339.01
1/4		1/4	4,395.82	1/4	4,197.67	1/4	3,988.63	1/4	3,778.88	1/4	3,568.92	1/4	3,356.53	1/4	3,015.59	1/4	2,674.12	1/4	2,331.88
1/2		1/2	4,393.57	1/2	4,193.32	1/2	3,984.27	1/2	3,774.51	1/2	3,564.55	1/2	3,349.43	1/2	3,008.48	1/2	2,667.00	1/2	2,324.74
3/4		3/4	4,391.32	3/4	4,188.96	3/4	3,979.92	3/4	3,770.13	3/4	3,560.18	3/4	3,342.34	3/4	3,001.36	3/4	2,659.89	3/4	2,317.61
8		8	4,389.08	8	4,184.61	8	3,975.56	8	3,765.76	8	3,555.80	8	3,335.24	8	2,994.25	8	2,652.78	8	2,310.48
1/4		1/4	4,385.64	1/4	4,180.25	1/4	3,971.21	1/4	3,761.38	1/4	3,551.43	1/4	3,328.14	1/4	2,987.13	1/4	2,645.66	1/4	2,303.35
1/2		1/2	4,382.20	1/2	4,175.90	1/2	3,966.85	1/2	3,757.01	1/2	3,547.05	1/2	3,321.05	1/2	2,980.02	1/2	2,638.55	1/2	2,296.22
3/4		3/4	4,378.77	3/4	4,171.54	3/4	3,962.50	3/4	3,752.64	3/4	3,542.68	3/4	3,313.95	3/4	2,972.91	3/4	2,631.43	3/4	2,289.08
9		9	4,375.33	9	4,167.19	9	3,958.14	9	3,748.26	9	3,538.31	9	3,306.85	9	2,965.79	9	2,624.32	9	2,281.95
1/4		1/4	4,371.07	1/4	4,162.83	1/4	3,953.79	1/4	3,743.89	1/4	3,533.93	1/4	3,299.76	1/4	2,958.68	1/4	2,617.19	1/4	2,274.82
1/2		1/2	4,366.81	1/2	4,158.48	1/2	3,949.43	1/2	3,739.51	1/2	3,529.56	1/2	3,292.66	1/2	2,951.56	1/2	2,610.05	1/2	2,267.69
3/4		3/4	4,362.56	3/4	4,154.12	3/4	3,945.08	3/4	3,735.14	3/4	3,525.18	3/4	3,285.56	3/4	2,944.45	3/4	2,602.92	3/4	2,260.55
10		10	4,358.30	10	4,149.77	10	3,940.72	10	3,730.77	10	3,520.81	10	3,278.46	10	2,937.34	10	2,595.79	10	2,253.42
1/4		1/4	4,353.98	1/4	4,145.41	1/4	3,936.35	1/4	3,726.39	1/4	3,516.44	1/4	3,271.37	1/4	2,930.22	1/4	2,588.65	1/4	2,246.29
1/2		1/2	4,349.67	1/2	4,141.06	1/2	3,931.97	1/2	3,722.02	1/2	3,512.06	1/2	3,264.27	1/2	2,923.11	1/2	2,581.52	1/2	2,239.16
3/4		3/4	4,345.36	3/4	4,136.70	3/4	3,927.60	3/4	3,717.64	3/4	3,507.69	3/4	3,257.17	3/4	2,915.99	3/4	2,574.38	3/4	2,232.03
11		11	4,341.04	11	4,132.35	11	3,923.23	11	3,713.27	11	3,503.31	11	3,250.08	11	2,908.88	11	2,567.25	11	2,224.89
1/4		1/4	4,336.72	1/4	4,127.99	1/4	3,918.85	1/4	3,708.90	1/4	3,498.94	1/4	3,242.98	1/4	2,901.77	1/4	2,560.12	1/4	2,217.76
1/2		1/2	4,332.40	1/2	4,123.64	1/2	3,914.48	1/2	3,704.52	1/2	3,494.56	1/2	3,235.88	1/2	2,894.65	1/2	2,552.98	1/2	2,210.63
3/4		3/4	4,328.07	3/4	4,119.28	3/4	3,910.10	3/4	3,700.15	3/4	3,490.19	3/4	3,228.79	3/4	2,887.54	3/4	2,545.85	3/4	2,203.50

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.  
GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**3 STBD**  
**ULLAGE TABLE**  
**HERMETIC**  
**GAUGE HEIGHT 16'-05"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,196.36	0	1,854.02	0	1,511.67	0	1,169.33	0	827.48	0	485.14	0	142.80	0		0			
1/4	2,189.23	1/4	1,846.89	1/4	1,504.54	1/4	1,162.20	1/4	820.34	1/4	478.01	1/4	135.67	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,182.10	1/2	1,839.75	1/2	1,497.41	1/2	1,155.06	1/2	813.21	1/2	470.88	1/2	128.54	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,174.97	3/4	1,832.62	3/4	1,490.28	3/4	1,147.93	3/4	806.08	3/4	463.74	3/4	121.41	3/4	3/4	3/4	3/4	3/4	3/4
1	2,167.84	1	1,825.49	1	1,483.14	1	1,140.80	1	798.95	1	456.61	1	114.28	1	1	1	1	1	1
1/4	2,160.70	1/4	1,818.36	1/4	1,476.01	1/4	1,133.67	1/4	791.82	1/4	449.48	1/4	107.16	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,153.57	1/2	1,811.23	1/2	1,468.88	1/2	1,126.53	1/2	784.68	1/2	442.35	1/2	100.04	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,146.44	3/4	1,804.09	3/4	1,461.75	3/4	1,119.40	3/4	777.55	3/4	435.22	3/4	92.92	3/4	3/4	3/4	3/4	3/4	3/4
2	2,139.31	2	1,796.96	2	1,454.62	2	1,112.27	2	770.42	2	428.08	2	85.80	2	2	2	2	2	2
1/4	2,132.18	1/4	1,789.83	1/4	1,447.48	1/4	1,105.14	1/4	763.29	1/4	420.95	1/4	78.70	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,125.04	1/2	1,782.70	1/2	1,440.35	1/2	1,098.02	1/2	756.16	1/2	413.82	1/2	71.60	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,117.91	3/4	1,775.57	3/4	1,433.22	3/4	1,090.89	3/4	749.02	3/4	406.69	3/4	64.51	3/4	3/4	3/4	3/4	3/4	3/4
3	2,110.78	3	1,768.43	3	1,426.09	3	1,083.77	3	741.89	3	399.56	3	57.41	3	3	3	3	3	3
1/4	2,103.65	1/4	1,761.30	1/4	1,418.96	1/4	1,076.65	1/4	734.76	1/4	392.42	1/4	51.17	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,096.51	1/2	1,754.17	1/2	1,411.82	1/2	1,069.53	1/2	727.63	1/2	385.29	1/2	44.93	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,089.38	3/4	1,747.04	3/4	1,404.69	3/4	1,062.41	3/4	720.50	3/4	378.16	3/4	38.70	3/4	3/4	3/4	3/4	3/4	3/4
4	2,082.25	4	1,739.90	4	1,397.56	4	1,055.29	4	713.36	4	371.03	4	32.46	4	4	4	4	4	4
1/4	2,075.12	1/4	1,732.77	1/4	1,390.43	1/4	1,048.17	1/4	706.23	1/4	363.90	1/4	28.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,067.99	1/2	1,725.64	1/2	1,383.29	1/2	1,041.06	1/2	699.10	1/2	356.76	1/2	23.54	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,060.85	3/4	1,718.51	3/4	1,376.16	3/4	1,033.94	3/4	691.97	3/4	349.63	3/4	19.08	3/4	3/4	3/4	3/4	3/4	3/4
5	2,053.72	5	1,711.38	5	1,369.03	5	1,026.82	5	684.84	5	342.50	5	14.63	5	5	5	5	5	5
1/4	2,046.59	1/4	1,704.24	1/4	1,361.90	1/4	1,019.70	1/4	677.70	1/4	335.37	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,039.46	1/2	1,697.11	1/2	1,354.77	1/2	1,012.58	1/2	670.57	1/2	328.24	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,032.32	3/4	1,689.98	3/4	1,347.63	3/4	1,005.46	3/4	663.44	3/4	321.10	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	2,025.19	6	1,682.85	6	1,340.50	6	998.35	6	656.31	6	313.97	6		6	6	6	6	6	6
1/4	2,018.06	1/4	1,675.71	1/4	1,333.37	1/4	991.23	1/4	649.18	1/4	306.84	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,010.93	1/2	1,668.58	1/2	1,326.24	1/2	984.11	1/2	642.04	1/2	299.71	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,003.80	3/4	1,661.45	3/4	1,319.10	3/4	976.99	3/4	634.91	3/4	292.58	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	1,996.66	7	1,654.32	7	1,311.97	7	969.87	7	627.78	7	285.44	7		7	7	7	7	7	7
1/4	1,989.53	1/4	1,647.19	1/4	1,304.84	1/4	962.75	1/4	620.65	1/4	278.31	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,982.40	1/2	1,640.05	1/2	1,297.71	1/2	955.64	1/2	613.52	1/2	271.18	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,975.27	3/4	1,632.92	3/4	1,290.58	3/4	948.52	3/4	606.38	3/4	264.05	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,968.13	8	1,625.79	8	1,283.44	8	941.40	8	599.25	8	256.92	8		8	8	8	8	8	8
1/4	1,961.00	1/4	1,618.66	1/4	1,276.31	1/4	934.28	1/4	592.12	1/4	249.78	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,953.87	1/2	1,611.52	1/2	1,269.18	1/2	927.16	1/2	584.99	1/2	242.65	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,946.74	3/4	1,604.39	3/4	1,262.05	3/4	920.05	3/4	577.86	3/4	235.52	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,939.61	9	1,597.26	9	1,254.91	9	912.93	9	570.72	9	228.39	9		9	9	9	9	9	9
1/4	1,932.47	1/4	1,590.13	1/4	1,247.78	1/4	905.81	1/4	563.59	1/4	221.26	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,925.34	1/2	1,583.00	1/2	1,240.65	1/2	898.69	1/2	556.46	1/2	214.12	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,918.21	3/4	1,575.86	3/4	1,233.52	3/4	891.57	3/4	549.33	3/4	206.99	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,911.08	10	1,568.73	10	1,226.39	10	884.46	10	542.20	10	199.86	10		10	10	10	10	10	10
1/4	1,903.94	1/4	1,561.60	1/4	1,219.25	1/4	877.34	1/4	535.06	1/4	192.73	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,896.81	1/2	1,554.47	1/2	1,212.12	1/2	870.22	1/2	527.93	1/2	185.60	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,889.68	3/4	1,547.33	3/4	1,204.99	3/4	863.10	3/4	520.80	3/4	178.46	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,882.55	11	1,540.20	11	1,197.86	11	855.98	11	513.67	11	171.33	11		11	11	11	11	11	11
1/4	1,875.42	1/4	1,533.07	1/4	1,190.72	1/4	848.86	1/4	506.54	1/4	164.20	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,868.28	1/2	1,525.94	1/2	1,183.59	1/2	841.73	1/2	499.40	1/2	157.07	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,861.15	3/4	1,518.81	3/4	1,176.46	3/4	834.60	3/4	492.27	3/4	149.94	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/25/2020 CL  
CALCULATED: 08/26/2020 CL  
PRINTED: 08/26/2020 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2020



**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**INNAGE (10" HATCH)**

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-0/8	- 06-0/8	08-1/8	- 08-1/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8
1 STBD	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-0/8	- 06-0/8	08-1/8	- 08-1/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8
2 PORT	02-0/8	- 02-0/8	04-1/8	- 04-1/8	06-1/8	- 06-1/8	08-2/8	- 08-2/8	10-2/8	- 10-2/8	12-2/8	- 12-2/8
2 STBD	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-1/8	- 06-1/8	08-1/8	- 08-1/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8
3 PORT	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-0/8	06-0/8	- 08-0/8	08-0/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8
3 STBD	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-0/8	06-0/8	- 08-0/8	08-0/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"  
 AFT DRAFT = 6'-00"  
 DIFF. = 4'-00" (DOWN BY STERN)

THE CORRECTION FOR 4'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 08-1/8"  
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 3'-03 7/8"

LENGTH BETWEEN DRAFT MARKS: 237'-03"

August 25, 2020

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**1 PORT  
INNAGE TABLE**

**10" HATCH  
GAUGE HEIGHT 18'-02"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	2.15	0	251.62	0	581.83	0	922.72	0	1,263.87	0	1,606.21	0	1,948.54	0	2,290.88	0	2,633.22	0	2,975.53
1/4	3.93	1/4	258.09	1/4	588.96	1/4	929.79	1/4	1,271.00	1/4	1,613.34	1/4	1,955.67	1/4	2,298.01	1/4	2,640.35	1/4	2,982.66
1/2	5.71	1/2	264.55	1/2	596.09	1/2	936.87	1/2	1,278.13	1/2	1,620.47	1/2	1,962.81	1/2	2,305.14	1/2	2,647.48	1/2	2,989.79
3/4	7.50	3/4	271.02	3/4	603.22	3/4	943.94	3/4	1,285.27	3/4	1,627.60	3/4	1,969.94	3/4	2,312.27	3/4	2,654.61	3/4	2,996.93
1	9.28	1	277.48	1	610.35	1	951.01	1	1,292.40	1	1,634.73	1	1,977.07	1	2,319.41	1	2,661.74	1	3,004.06
1/4	12.08	1/4	284.03	1/4	617.49	1/4	958.08	1/4	1,299.53	1/4	1,641.87	1/4	1,984.20	1/4	2,326.54	1/4	2,668.88	1/4	3,011.19
1/2	14.87	1/2	290.58	1/2	624.62	1/2	965.15	1/2	1,306.66	1/2	1,649.00	1/2	1,991.33	1/2	2,333.67	1/2	2,676.01	1/2	3,018.32
3/4	17.67	3/4	297.13	3/4	631.75	3/4	972.22	3/4	1,313.79	3/4	1,656.13	3/4	1,998.47	3/4	2,340.80	3/4	2,683.14	3/4	3,025.45
2	20.46	2	303.68	2	638.88	2	979.30	2	1,320.93	2	1,663.26	2	2,005.60	2	2,347.93	2	2,690.27	2	3,032.58
1/4	24.31	1/4	310.31	1/4	646.01	1/4	986.37	1/4	1,328.06	1/4	1,670.39	1/4	2,012.73	1/4	2,355.07	1/4	2,697.40	1/4	3,039.71
1/2	28.16	1/2	316.94	1/2	653.14	1/2	993.44	1/2	1,335.19	1/2	1,677.53	1/2	2,019.86	1/2	2,362.20	1/2	2,704.53	1/2	3,046.84
3/4	32.00	3/4	323.57	3/4	660.28	3/4	1,000.51	3/4	1,342.32	3/4	1,684.66	3/4	2,026.99	3/4	2,369.33	3/4	2,711.66	3/4	3,053.97
3	35.85	3	330.20	3	667.41	3	1,007.58	3	1,349.45	3	1,691.79	3	2,034.13	3	2,376.46	3	2,718.80	3	3,061.09
1/4	41.10	1/4	336.92	1/4	674.54	1/4	1,014.66	1/4	1,356.59	1/4	1,698.92	1/4	2,041.26	1/4	2,383.59	1/4	2,725.93	1/4	3,068.22
1/2	46.35	1/2	343.63	1/2	681.67	1/2	1,021.74	1/2	1,363.72	1/2	1,706.05	1/2	2,048.39	1/2	2,390.73	1/2	2,733.06	1/2	3,075.35
3/4	51.60	3/4	350.35	3/4	688.80	3/4	1,028.81	3/4	1,370.85	3/4	1,713.19	3/4	2,055.52	3/4	2,397.86	3/4	2,740.19	3/4	3,082.48
4	56.86	4	357.06	4	695.93	4	1,035.89	4	1,377.98	4	1,720.32	4	2,062.65	4	2,404.99	4	2,747.32	4	3,089.61
1/4	62.63	1/4	363.86	1/4	703.07	1/4	1,042.98	1/4	1,385.11	1/4	1,727.45	1/4	2,069.79	1/4	2,412.12	1/4	2,754.45	1/4	3,096.74
1/2	68.41	1/2	370.66	1/2	710.20	1/2	1,050.06	1/2	1,392.25	1/2	1,734.58	1/2	2,076.92	1/2	2,419.25	1/2	2,761.59	1/2	3,103.87
3/4	74.18	3/4	377.46	3/4	717.33	3/4	1,057.15	3/4	1,399.38	3/4	1,741.71	3/4	2,084.05	3/4	2,426.39	3/4	2,768.72	3/4	3,111.00
5	79.96	5	384.26	5	724.46	5	1,064.24	5	1,406.51	5	1,748.85	5	2,091.18	5	2,433.52	5	2,775.85	5	3,118.13
1/4	85.83	1/4	391.14	1/4	731.58	1/4	1,071.36	1/4	1,413.64	1/4	1,755.98	1/4	2,098.31	1/4	2,440.65	1/4	2,782.98	1/4	3,125.26
1/2	91.71	1/2	398.02	1/2	738.69	1/2	1,078.47	1/2	1,420.77	1/2	1,763.11	1/2	2,105.45	1/2	2,447.78	1/2	2,790.11	1/2	3,132.39
3/4	97.58	3/4	404.90	3/4	745.81	3/4	1,085.59	3/4	1,427.91	3/4	1,770.24	3/4	2,112.58	3/4	2,454.91	3/4	2,797.24	3/4	3,139.52
6	103.46	6	411.79	6	752.92	6	1,092.70	6	1,435.04	6	1,777.37	6	2,119.71	6	2,462.05	6	2,804.37	6	3,146.65
1/4	109.42	1/4	418.75	1/4	760.01	1/4	1,099.83	1/4	1,442.17	1/4	1,784.51	1/4	2,126.84	1/4	2,469.18	1/4	2,811.51	1/4	3,153.78
1/2	115.39	1/2	425.71	1/2	767.10	1/2	1,106.97	1/2	1,449.30	1/2	1,791.64	1/2	2,133.97	1/2	2,476.31	1/2	2,818.64	1/2	3,160.91
3/4	121.35	3/4	432.67	3/4	774.19	3/4	1,114.10	3/4	1,456.43	3/4	1,798.77	3/4	2,141.11	3/4	2,483.44	3/4	2,825.77	3/4	3,168.04
7	127.32	7	439.64	7	781.28	7	1,121.23	7	1,463.57	7	1,805.90	7	2,148.24	7	2,490.57	7	2,832.90	7	3,175.17
1/4	133.37	1/4	446.68	1/4	788.35	1/4	1,128.36	1/4	1,470.70	1/4	1,813.03	1/4	2,155.37	1/4	2,497.71	1/4	2,840.03	1/4	3,182.30
1/2	139.41	1/2	453.72	1/2	795.43	1/2	1,135.49	1/2	1,477.83	1/2	1,820.17	1/2	2,162.50	1/2	2,504.84	1/2	2,847.16	1/2	3,189.43
3/4	145.46	3/4	460.77	3/4	802.50	3/4	1,142.63	3/4	1,484.96	3/4	1,827.30	3/4	2,169.63	3/4	2,511.97	3/4	2,854.29	3/4	3,196.56
8	151.51	8	467.81	8	809.58	8	1,149.76	8	1,492.09	8	1,834.43	8	2,176.77	8	2,519.10	8	2,861.43	8	3,203.69
1/4	157.64	1/4	474.92	1/4	816.65	1/4	1,156.89	1/4	1,499.23	1/4	1,841.56	1/4	2,183.90	1/4	2,526.23	1/4	2,868.56	1/4	3,210.82
1/2	163.78	1/2	482.03	1/2	823.72	1/2	1,164.02	1/2	1,506.36	1/2	1,848.69	1/2	2,191.03	1/2	2,533.37	1/2	2,875.69	1/2	3,217.95
3/4	169.91	3/4	489.14	3/4	830.79	3/4	1,171.15	3/4	1,513.49	3/4	1,855.83	3/4	2,198.16	3/4	2,540.50	3/4	2,882.82	3/4	3,225.08
9	176.04	9	496.24	9	837.86	9	1,178.29	9	1,520.62	9	1,862.96	9	2,205.29	9	2,547.63	9	2,889.95	9	3,232.21
1/4	182.25	1/4	503.38	1/4	844.94	1/4	1,185.42	1/4	1,527.75	1/4	1,870.09	1/4	2,212.43	1/4	2,554.76	1/4	2,897.08	1/4	3,239.34
1/2	188.47	1/2	510.51	1/2	852.01	1/2	1,192.55	1/2	1,534.89	1/2	1,877.22	1/2	2,219.56	1/2	2,561.89	1/2	2,904.22	1/2	3,246.47
3/4	194.68	3/4	517.64	3/4	859.08	3/4	1,199.68	3/4	1,542.02	3/4	1,884.35	3/4	2,226.69	3/4	2,569.03	3/4	2,911.35	3/4	3,253.60
10	200.90	10	524.77	10	866.15	10	1,206.81	10	1,549.15	10	1,891.49	10	2,233.82	10	2,576.16	10	2,918.48	10	3,260.73
1/4	207.20	1/4	531.90	1/4	873.22	1/4	1,213.95	1/4	1,556.28	1/4	1,898.62	1/4	2,240.95	1/4	2,583.29	1/4	2,925.61	1/4	3,267.86
1/2	213.50	1/2	539.04	1/2	880.29	1/2	1,221.08	1/2	1,563.41	1/2	1,905.75	1/2	2,248.09	1/2	2,590.42	1/2	2,932.74	1/2	3,274.99
3/4	219.80	3/4	546.17	3/4	887.36	3/4	1,228.21	3/4	1,570.55	3/4	1,912.88	3/4	2,255.22	3/4	2,597.55	3/4	2,939.87	3/4	3,282.12
11	226.09	11	553.30	11	894.44	11	1,235.34	11	1,577.68	11	1,920.01	11	2,262.35	11	2,604.69	11	2,947.00	11	3,289.25
1/4	232.48	1/4	560.43	1/4	901.51	1/4	1,242.47	1/4	1,584.81	1/4	1,927.15	1/4	2,269.48	1/4	2,611.82	1/4	2,954.14	1/4	3,296.37
1/2	238.86	1/2	567.56	1/2	908.58	1/2	1,249.61	1/2	1,591.94	1/2	1,934.28	1/2	2,276.61	1/2	2,618.95	1/2	2,961.27	1/2	3,303.50
3/4	245.24	3/4	574.69	3/4	915.65	3/4	1,256.74	3/4	1,599.07	3/4	1,941.41	3/4	2,283.75	3/4	2,626.09	3/4	2,968.40	3/4	3,310.63

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.

GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
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P.O. Box 2092

Pearland, Texas 77588

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**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**1 PORT**  
**INNAGE TABLE**  
**10" HATCH**  
**GAUGE HEIGHT 18'-02"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,317.76	0	3,659.99	0	4,002.31	0	4,344.17	0	4,684.92	0	5,005.57	0		0		0		0	
1/4	3,324.89	1/4	3,667.12	1/4	4,009.44	1/4	4,351.27	1/4	4,692.02	1/4	5,008.76	1/4		1/4	1/4	1/4		1/4	
1/2	3,332.02	1/2	3,674.26	1/2	4,016.57	1/2	4,358.37	1/2	4,699.12	1/2	5,011.95	1/2		1/2	1/2	1/2		1/2	
3/4	3,339.15	3/4	3,681.39	3/4	4,023.70	3/4	4,365.47	3/4	4,706.22	3/4	5,015.14	3/4		3/4	3/4	3/4		3/4	
1	3,346.28	1	3,688.52	1	4,030.84	1	4,372.57	1	4,713.32	1	5,018.34	1		1		1		1	
1/4	3,353.41	1/4	3,695.65	1/4	4,037.97	1/4	4,379.67	1/4	4,720.42	1/4	5,020.34	1/4		1/4	1/4	1/4		1/4	
1/2	3,360.54	1/2	3,702.78	1/2	4,045.10	1/2	4,386.76	1/2	4,727.52	1/2	5,022.34	1/2		1/2	1/2	1/2		1/2	
3/4	3,367.67	3/4	3,709.91	3/4	4,052.23	3/4	4,393.86	3/4	4,734.62	3/4	5,024.34	3/4		3/4	3/4	3/4		3/4	
2	3,374.80	2	3,717.05	2	4,059.36	2	4,400.96	2	4,741.71	2	5,026.34	2		2		2		2	
1/4	3,381.93	1/4	3,724.18	1/4	4,066.49	1/4	4,408.06	1/4	4,748.81	1/4	5,027.27	1/4		1/4	1/4	1/4		1/4	
1/2	3,389.06	1/2	3,731.31	1/2	4,073.63	1/2	4,415.16	1/2	4,755.91	1/2	5,028.20	1/2		1/2	1/2	1/2		1/2	
3/4	3,396.19	3/4	3,738.44	3/4	4,080.76	3/4	4,422.26	3/4	4,763.01	3/4	5,029.13	3/4		3/4	3/4	3/4		3/4	
3	3,403.32	3	3,745.57	3	4,087.89	3	4,429.36	3	4,770.11	3	5,030.05	3		3		3		3	
1/4	3,410.45	1/4	3,752.70	1/4	4,095.02	1/4	4,436.46	1/4	4,777.21	1/4		1/4		1/4	1/4	1/4		1/4	
1/2	3,417.58	1/2	3,759.84	1/2	4,102.15	1/2	4,443.56	1/2	4,784.31	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	3,424.71	3/4	3,766.97	3/4	4,109.28	3/4	4,450.66	3/4	4,791.41	3/4		3/4		3/4	3/4	3/4		3/4	
4	3,431.84	4	3,774.10	4	4,116.42	4	4,457.75	4	4,798.51	4		4		4		4		4	
1/4	3,438.97	1/4	3,781.23	1/4	4,123.55	1/4	4,464.85	1/4	4,805.58	1/4		1/4		1/4	1/4	1/4		1/4	
1/2	3,446.10	1/2	3,788.36	1/2	4,130.68	1/2	4,471.95	1/2	4,812.66	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	3,453.23	3/4	3,795.49	3/4	4,137.81	3/4	4,479.05	3/4	4,819.74	3/4		3/4		3/4	3/4	3/4		3/4	
5	3,460.36	5	3,802.63	5	4,144.94	5	4,486.15	5	4,826.81	5		5		5		5		5	
1/4	3,467.49	1/4	3,809.76	1/4	4,152.07	1/4	4,493.25	1/4	4,833.87	1/4		1/4		1/4	1/4	1/4		1/4	
1/2	3,474.62	1/2	3,816.89	1/2	4,159.21	1/2	4,500.35	1/2	4,840.92	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	3,481.75	3/4	3,824.02	3/4	4,166.34	3/4	4,507.45	3/4	4,847.98	3/4		3/4		3/4	3/4	3/4		3/4	
6	3,488.88	6	3,831.15	6	4,173.47	6	4,514.55	6	4,855.03	6		6		6		6		6	
1/4	3,496.01	1/4	3,838.28	1/4	4,180.60	1/4	4,521.65	1/4	4,862.08	1/4		1/4		1/4	1/4	1/4		1/4	
1/2	3,503.14	1/2	3,845.41	1/2	4,187.73	1/2	4,528.74	1/2	4,869.14	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	3,510.27	3/4	3,852.55	3/4	4,194.86	3/4	4,535.84	3/4	4,876.19	3/4		3/4		3/4	3/4	3/4		3/4	
7	3,517.40	7	3,859.68	7	4,201.99	7	4,542.94	7	4,883.25	7		7		7		7		7	
1/4	3,524.53	1/4	3,866.81	1/4	4,209.13	1/4	4,550.04	1/4	4,890.29	1/4		1/4		1/4	1/4	1/4		1/4	
1/2	3,531.66	1/2	3,873.94	1/2	4,216.26	1/2	4,557.14	1/2	4,897.34	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	3,538.78	3/4	3,881.07	3/4	4,223.39	3/4	4,564.24	3/4	4,904.39	3/4		3/4		3/4	3/4	3/4		3/4	
8	3,545.91	8	3,888.20	8	4,230.52	8	4,571.34	8	4,911.43	8		8		8		8		8	
1/4	3,553.04	1/4	3,895.34	1/4	4,237.64	1/4	4,578.44	1/4	4,918.45	1/4		1/4		1/4	1/4	1/4		1/4	
1/2	3,560.17	1/2	3,902.47	1/2	4,244.75	1/2	4,585.54	1/2	4,925.46	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	3,567.30	3/4	3,909.60	3/4	4,251.87	3/4	4,592.64	3/4	4,932.47	3/4		3/4		3/4	3/4	3/4		3/4	
9	3,574.43	9	3,916.73	9	4,258.98	9	4,599.73	9	4,939.48	9		9		9		9		9	
1/4	3,581.56	1/4	3,923.86	1/4	4,266.08	1/4	4,606.83	1/4	4,946.06	1/4		1/4		1/4	1/4	1/4		1/4	
1/2	3,588.69	1/2	3,930.99	1/2	4,273.18	1/2	4,613.93	1/2	4,952.63	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	3,595.82	3/4	3,938.13	3/4	4,280.28	3/4	4,621.03	3/4	4,959.21	3/4		3/4		3/4	3/4	3/4		3/4	
10	3,602.95	10	3,945.26	10	4,287.38	10	4,628.13	10	4,965.78	10		10		10		10		10	
1/4	3,610.08	1/4	3,952.39	1/4	4,294.48	1/4	4,635.23	1/4	4,971.35	1/4		1/4		1/4	1/4	1/4		1/4	
1/2	3,617.21	1/2	3,959.52	1/2	4,301.58	1/2	4,642.33	1/2	4,976.92	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	3,624.34	3/4	3,966.65	3/4	4,308.68	3/4	4,649.43	3/4	4,982.48	3/4		3/4		3/4	3/4	3/4		3/4	
11	3,631.47	11	3,973.78	11	4,315.77	11	4,656.53	11	4,988.05	11		11		11		11		11	
1/4	3,638.60	1/4	3,980.92	1/4	4,322.87	1/4	4,663.63	1/4	4,992.43	1/4		1/4		1/4	1/4	1/4		1/4	
1/2	3,645.73	1/2	3,988.05	1/2	4,329.97	1/2	4,670.72	1/2	4,996.81	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	3,652.86	3/4	3,995.18	3/4	4,337.07	3/4	4,677.82	3/4	5,001.19	3/4		3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/25/2020 CL  
CALCULATED: 08/26/2020 CL  
PRINTED: 08/26/2020 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2020





**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**1 STBD**  
**INNAGE TABLE**

**10" HATCH**  
**GAUGE HEIGHT 18'-02"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	2.15	0	252.23	0	583.32	0	926.37	0	1,269.47	0	1,612.69	0	1,955.91	0	2,299.14	0	2,642.35	0	2,985.55
1/4	3.94	1/4	258.71	1/4	590.47	1/4	933.51	1/4	1,276.62	1/4	1,619.84	1/4	1,963.07	1/4	2,306.29	1/4	2,649.50	1/4	2,992.70
1/2	5.73	1/2	265.20	1/2	597.62	1/2	940.65	1/2	1,283.77	1/2	1,626.99	1/2	1,970.22	1/2	2,313.44	1/2	2,656.65	1/2	2,999.85
3/4	7.52	3/4	271.68	3/4	604.77	3/4	947.80	3/4	1,290.92	3/4	1,634.14	3/4	1,977.37	3/4	2,320.59	3/4	2,663.80	3/4	3,007.00
1	9.30	1	278.16	1	611.92	1	954.94	1	1,298.07	1	1,641.29	1	1,984.52	1	2,327.74	1	2,670.95	1	3,014.15
1/4	12.11	1/4	284.72	1/4	619.07	1/4	962.08	1/4	1,305.22	1/4	1,648.44	1/4	1,991.67	1/4	2,334.89	1/4	2,678.10	1/4	3,021.30
1/2	14.91	1/2	291.29	1/2	626.22	1/2	969.22	1/2	1,312.37	1/2	1,655.59	1/2	1,998.82	1/2	2,342.04	1/2	2,685.25	1/2	3,028.44
3/4	17.71	3/4	297.85	3/4	633.37	3/4	976.36	3/4	1,319.52	3/4	1,662.74	3/4	2,005.97	3/4	2,349.19	3/4	2,692.40	3/4	3,035.59
2	20.51	2	304.42	2	640.52	2	983.50	2	1,326.67	2	1,669.89	2	2,013.12	2	2,356.34	2	2,699.55	2	3,042.74
1/4	24.37	1/4	311.07	1/4	647.67	1/4	990.64	1/4	1,333.82	1/4	1,677.05	1/4	2,020.27	1/4	2,363.49	1/4	2,706.70	1/4	3,049.89
1/2	28.22	1/2	317.72	1/2	654.82	1/2	997.79	1/2	1,340.97	1/2	1,684.20	1/2	2,027.42	1/2	2,370.64	1/2	2,713.85	1/2	3,057.04
3/4	32.08	3/4	324.36	3/4	661.97	3/4	1,004.93	3/4	1,348.12	3/4	1,691.35	3/4	2,034.57	3/4	2,377.79	3/4	2,721.00	3/4	3,064.18
3	35.94	3	331.01	3	669.12	3	1,012.07	3	1,355.27	3	1,698.50	3	2,041.72	3	2,384.94	3	2,728.15	3	3,071.33
1/4	41.20	1/4	337.74	1/4	676.27	1/4	1,019.22	1/4	1,362.42	1/4	1,705.65	1/4	2,048.87	1/4	2,392.10	1/4	2,735.30	1/4	3,078.48
1/2	46.46	1/2	344.48	1/2	683.43	1/2	1,026.36	1/2	1,369.57	1/2	1,712.80	1/2	2,056.02	1/2	2,399.25	1/2	2,742.45	1/2	3,085.63
3/4	51.73	3/4	351.21	3/4	690.58	3/4	1,033.51	3/4	1,376.72	3/4	1,719.95	3/4	2,063.17	3/4	2,406.40	3/4	2,749.60	3/4	3,092.78
4	56.99	4	357.94	4	697.73	4	1,040.65	4	1,383.87	4	1,727.10	4	2,070.32	4	2,413.55	4	2,756.75	4	3,099.93
1/4	62.78	1/4	364.76	1/4	704.88	1/4	1,047.80	1/4	1,391.03	1/4	1,734.25	1/4	2,077.47	1/4	2,420.70	1/4	2,763.90	1/4	3,107.07
1/2	68.57	1/2	371.57	1/2	712.03	1/2	1,054.95	1/2	1,398.18	1/2	1,741.40	1/2	2,084.62	1/2	2,427.85	1/2	2,771.05	1/2	3,114.22
3/4	74.36	3/4	378.39	3/4	719.18	3/4	1,062.10	3/4	1,405.33	3/4	1,748.55	3/4	2,091.77	3/4	2,435.00	3/4	2,778.20	3/4	3,121.37
5	80.15	5	385.20	5	726.33	5	1,069.25	5	1,412.48	5	1,755.70	5	2,098.92	5	2,442.15	5	2,785.35	5	3,128.52
1/4	86.04	1/4	392.10	1/4	733.48	1/4	1,076.40	1/4	1,419.63	1/4	1,762.85	1/4	2,106.08	1/4	2,449.30	1/4	2,792.50	1/4	3,135.67
1/2	91.93	1/2	399.00	1/2	740.63	1/2	1,083.55	1/2	1,426.78	1/2	1,770.00	1/2	2,113.23	1/2	2,456.45	1/2	2,799.65	1/2	3,142.81
3/4	97.82	3/4	405.90	3/4	747.78	3/4	1,090.70	3/4	1,433.93	3/4	1,777.15	3/4	2,120.38	3/4	2,463.60	3/4	2,806.80	3/4	3,149.96
6	103.71	6	412.80	6	754.93	6	1,097.85	6	1,441.08	6	1,784.30	6	2,127.53	6	2,470.75	6	2,813.95	6	3,157.11
1/4	109.69	1/4	419.78	1/4	762.08	1/4	1,105.01	1/4	1,448.23	1/4	1,791.45	1/4	2,134.68	1/4	2,477.90	1/4	2,821.10	1/4	3,164.26
1/2	115.66	1/2	426.77	1/2	769.23	1/2	1,112.16	1/2	1,455.38	1/2	1,798.60	1/2	2,141.83	1/2	2,485.05	1/2	2,828.25	1/2	3,171.41
3/4	121.64	3/4	433.75	3/4	776.38	3/4	1,119.31	3/4	1,462.53	3/4	1,805.75	3/4	2,148.98	3/4	2,492.20	3/4	2,835.40	3/4	3,178.55
7	127.62	7	440.73	7	783.53	7	1,126.46	7	1,469.68	7	1,812.90	7	2,156.13	7	2,499.35	7	2,842.55	7	3,185.70
1/4	133.69	1/4	447.80	1/4	790.67	1/4	1,133.61	1/4	1,476.83	1/4	1,820.06	1/4	2,163.28	1/4	2,506.50	1/4	2,849.70	1/4	3,192.85
1/2	139.75	1/2	454.87	1/2	797.82	1/2	1,140.76	1/2	1,483.98	1/2	1,827.21	1/2	2,170.43	1/2	2,513.65	1/2	2,856.85	1/2	3,200.00
3/4	145.81	3/4	461.93	3/4	804.96	3/4	1,147.91	3/4	1,491.13	3/4	1,834.36	3/4	2,177.58	3/4	2,520.80	3/4	2,864.00	3/4	3,207.15
8	151.88	8	469.00	8	812.11	8	1,155.06	8	1,498.28	8	1,841.51	8	2,184.73	8	2,527.95	8	2,871.15	8	3,214.29
1/4	158.02	1/4	476.13	1/4	819.25	1/4	1,162.21	1/4	1,505.43	1/4	1,848.66	1/4	2,191.88	1/4	2,535.11	1/4	2,878.30	1/4	3,221.44
1/2	164.17	1/2	483.26	1/2	826.39	1/2	1,169.36	1/2	1,512.58	1/2	1,855.81	1/2	2,199.03	1/2	2,542.26	1/2	2,885.45	1/2	3,228.59
3/4	170.32	3/4	490.39	3/4	833.53	3/4	1,176.51	3/4	1,519.73	3/4	1,862.96	3/4	2,206.18	3/4	2,549.41	3/4	2,892.60	3/4	3,235.74
9	176.46	9	497.52	9	840.67	9	1,183.66	9	1,526.88	9	1,870.11	9	2,213.33	9	2,556.56	9	2,899.75	9	3,242.89
1/4	182.69	1/4	504.67	1/4	847.81	1/4	1,190.81	1/4	1,534.04	1/4	1,877.26	1/4	2,220.48	1/4	2,563.71	1/4	2,906.90	1/4	3,250.04
1/2	188.92	1/2	511.82	1/2	854.96	1/2	1,197.96	1/2	1,541.19	1/2	1,884.41	1/2	2,227.63	1/2	2,570.86	1/2	2,914.05	1/2	3,257.18
3/4	195.16	3/4	518.97	3/4	862.10	3/4	1,205.11	3/4	1,548.34	3/4	1,891.56	3/4	2,234.78	3/4	2,578.01	3/4	2,921.20	3/4	3,264.33
10	201.39	10	526.12	10	869.24	10	1,212.26	10	1,555.49	10	1,898.71	10	2,241.93	10	2,585.16	10	2,928.35	10	3,271.48
1/4	207.70	1/4	533.27	1/4	876.38	1/4	1,219.41	1/4	1,562.64	1/4	1,905.86	1/4	2,249.09	1/4	2,592.31	1/4	2,935.50	1/4	3,278.63
1/2	214.01	1/2	540.42	1/2	883.52	1/2	1,226.56	1/2	1,569.79	1/2	1,913.01	1/2	2,256.24	1/2	2,599.46	1/2	2,942.65	1/2	3,285.78
3/4	220.33	3/4	547.57	3/4	890.66	3/4	1,233.71	3/4	1,576.94	3/4	1,920.16	3/4	2,263.39	3/4	2,606.61	3/4	2,949.80	3/4	3,292.92
11	226.64	11	554.72	11	897.80	11	1,240.86	11	1,584.09	11	1,927.31	11	2,270.54	11	2,613.76	11	2,956.95	11	3,300.07
1/4	233.04	1/4	561.87	1/4	904.95	1/4	1,248.02	1/4	1,591.24	1/4	1,934.46	1/4	2,277.69	1/4	2,620.91	1/4	2,964.10	1/4	3,307.22
1/2	239.44	1/2	569.02	1/2	912.09	1/2	1,255.17	1/2	1,598.39	1/2	1,941.61	1/2	2,284.84	1/2	2,628.06	1/2	2,971.25	1/2	3,314.37
3/4	245.84	3/4	576.17	3/4	919.23	3/4	1,262.32	3/4	1,605.54	3/4	1,948.76	3/4	2,291.99	3/4	2,635.20	3/4	2,978.40	3/4	3,321.52

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.

GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**1 STBD**  
**INNAGE TABLE**  
**10" HATCH**  
**GAUGE HEIGHT 18'-02"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,328.66	0	3,671.78	0	4,014.98	0	4,357.72	0	4,699.35	0	5,020.83	0		0		0		0	
1/4	3,335.81	1/4	3,678.93	1/4	4,022.13	1/4	4,364.84	1/4	4,706.47	1/4	5,024.03	1/4		1/4		1/4		1/4	
1/2	3,342.96	1/2	3,686.08	1/2	4,029.28	1/2	4,371.96	1/2	4,713.59	1/2	5,027.22	1/2		1/2		1/2		1/2	
3/4	3,350.11	3/4	3,693.23	3/4	4,036.43	3/4	4,379.07	3/4	4,720.70	3/4	5,030.42	3/4		3/4		3/4		3/4	
1	3,357.26	1	3,700.38	1	4,043.58	1	4,386.19	1	4,727.82	1	5,033.62	1		1		1		1	
1/4	3,364.40	1/4	3,707.53	1/4	4,050.73	1/4	4,393.31	1/4	4,734.94	1/4	5,035.63	1/4		1/4		1/4		1/4	
1/2	3,371.55	1/2	3,714.68	1/2	4,057.88	1/2	4,400.43	1/2	4,742.06	1/2	5,037.64	1/2		1/2		1/2		1/2	
3/4	3,378.70	3/4	3,721.83	3/4	4,065.03	3/4	4,407.54	3/4	4,749.17	3/4	5,039.65	3/4		3/4		3/4		3/4	
2	3,385.85	2	3,728.98	2	4,072.18	2	4,414.66	2	4,756.29	2	5,041.65	2		2		2		2	
1/4	3,393.00	1/4	3,736.13	1/4	4,079.33	1/4	4,421.78	1/4	4,763.41	1/4	5,042.58	1/4		1/4		1/4		1/4	
1/2	3,400.15	1/2	3,743.28	1/2	4,086.48	1/2	4,428.90	1/2	4,770.53	1/2	5,043.51	1/2		1/2		1/2		1/2	
3/4	3,407.29	3/4	3,750.43	3/4	4,093.63	3/4	4,436.01	3/4	4,777.64	3/4	5,044.44	3/4		3/4		3/4		3/4	
3	3,414.44	3	3,757.58	3	4,100.78	3	4,443.13	3	4,784.76	3	5,045.37	3		3		3		3	
1/4	3,421.59	1/4	3,764.73	1/4	4,107.93	1/4	4,450.25	1/4	4,791.88	1/4		1/4		1/4		1/4		1/4	
1/2	3,428.74	1/2	3,771.88	1/2	4,115.08	1/2	4,457.36	1/2	4,798.99	1/2		1/2		1/2		1/2		1/2	
3/4	3,435.89	3/4	3,779.03	3/4	4,122.23	3/4	4,464.48	3/4	4,806.11	3/4		3/4		3/4		3/4		3/4	
4	3,443.03	4	3,786.18	4	4,129.38	4	4,471.60	4	4,813.23	4		4		4		4		4	
1/4	3,450.18	1/4	3,793.33	1/4	4,136.53	1/4	4,478.72	1/4	4,820.32	1/4		1/4		1/4		1/4		1/4	
1/2	3,457.33	1/2	3,800.48	1/2	4,143.68	1/2	4,485.83	1/2	4,827.42	1/2		1/2		1/2		1/2		1/2	
3/4	3,464.48	3/4	3,807.63	3/4	4,150.84	3/4	4,492.95	3/4	4,834.52	3/4		3/4		3/4		3/4		3/4	
5	3,471.63	5	3,814.78	5	4,157.99	5	4,500.07	5	4,841.61	5		5		5		5		5	
1/4	3,478.77	1/4	3,821.93	1/4	4,165.14	1/4	4,507.19	1/4	4,848.68	1/4		1/4		1/4		1/4		1/4	
1/2	3,485.92	1/2	3,829.08	1/2	4,172.29	1/2	4,514.30	1/2	4,855.76	1/2		1/2		1/2		1/2		1/2	
3/4	3,493.07	3/4	3,836.23	3/4	4,179.44	3/4	4,521.42	3/4	4,862.83	3/4		3/4		3/4		3/4		3/4	
6	3,500.22	6	3,843.38	6	4,186.59	6	4,528.54	6	4,869.90	6		6		6		6		6	
1/4	3,507.37	1/4	3,850.53	1/4	4,193.74	1/4	4,535.65	1/4	4,876.97	1/4		1/4		1/4		1/4		1/4	
1/2	3,514.52	1/2	3,857.68	1/2	4,200.89	1/2	4,542.77	1/2	4,884.04	1/2		1/2		1/2		1/2		1/2	
3/4	3,521.66	3/4	3,864.83	3/4	4,208.04	3/4	4,549.89	3/4	4,891.12	3/4		3/4		3/4		3/4		3/4	
7	3,528.81	7	3,871.98	7	4,215.19	7	4,557.01	7	4,898.19	7		7		7		7		7	
1/4	3,535.96	1/4	3,879.13	1/4	4,222.34	1/4	4,564.12	1/4	4,905.25	1/4		1/4		1/4		1/4		1/4	
1/2	3,543.11	1/2	3,886.28	1/2	4,229.49	1/2	4,571.24	1/2	4,912.32	1/2		1/2		1/2		1/2		1/2	
3/4	3,550.26	3/4	3,893.43	3/4	4,236.64	3/4	4,578.36	3/4	4,919.38	3/4		3/4		3/4		3/4		3/4	
8	3,557.40	8	3,900.58	8	4,243.79	8	4,585.48	8	4,926.44	8		8		8		8		8	
1/4	3,564.55	1/4	3,907.73	1/4	4,250.92	1/4	4,592.59	1/4	4,933.48	1/4		1/4		1/4		1/4		1/4	
1/2	3,571.70	1/2	3,914.88	1/2	4,258.05	1/2	4,599.71	1/2	4,940.51	1/2		1/2		1/2		1/2		1/2	
3/4	3,578.85	3/4	3,922.03	3/4	4,265.18	3/4	4,606.83	3/4	4,947.54	3/4		3/4		3/4		3/4		3/4	
9	3,586.00	9	3,929.18	9	4,272.31	9	4,613.95	9	4,954.57	9		9		9		9		9	
1/4	3,593.14	1/4	3,936.33	1/4	4,279.43	1/4	4,621.06	1/4	4,961.16	1/4		1/4		1/4		1/4		1/4	
1/2	3,600.29	1/2	3,943.48	1/2	4,286.55	1/2	4,628.18	1/2	4,967.75	1/2		1/2		1/2		1/2		1/2	
3/4	3,607.44	3/4	3,950.63	3/4	4,293.67	3/4	4,635.30	3/4	4,974.34	3/4		3/4		3/4		3/4		3/4	
10	3,614.59	10	3,957.78	10	4,300.78	10	4,642.41	10	4,980.93	10		10		10		10		10	
1/4	3,621.74	1/4	3,964.93	1/4	4,307.90	1/4	4,649.53	1/4	4,986.51	1/4		1/4		1/4		1/4		1/4	
1/2	3,628.88	1/2	3,972.08	1/2	4,315.02	1/2	4,656.65	1/2	4,992.10	1/2		1/2		1/2		1/2		1/2	
3/4	3,636.03	3/4	3,979.23	3/4	4,322.14	3/4	4,663.77	3/4	4,997.68	3/4		3/4		3/4		3/4		3/4	
11	3,643.18	11	3,986.38	11	4,329.25	11	4,670.88	11	5,003.26	11		11		11		11		11	
1/4	3,650.33	1/4	3,993.53	1/4	4,336.37	1/4	4,678.00	1/4	5,007.65	1/4		1/4		1/4		1/4		1/4	
1/2	3,657.48	1/2	4,000.68	1/2	4,343.49	1/2	4,685.12	1/2	5,012.04	1/2		1/2		1/2		1/2		1/2	
3/4	3,664.63	3/4	4,007.83	3/4	4,350.61	3/4	4,692.24	3/4	5,016.44	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/25/2020 CL  
CALCULATED: 08/26/2020 CL  
PRINTED: 08/26/2020 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2020



**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**2 PORT  
INNAGE TABLE**

**10" HATCH  
GAUGE HEIGHT 18'-02"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	2.15	0	299.41	0	641.40	0	975.56	0	1,310.95	0	1,652.95	0	1,994.96	0	2,336.96	0	2,678.97	0	3,020.97
1/4	3.93	1/4	306.53	1/4	648.52	1/4	982.37	1/4	1,318.08	1/4	1,660.08	1/4	2,002.08	1/4	2,344.09	1/4	2,686.09	1/4	3,028.09
1/2	5.71	1/2	313.66	1/2	655.65	1/2	989.19	1/2	1,325.20	1/2	1,667.20	1/2	2,009.21	1/2	2,351.21	1/2	2,693.22	1/2	3,035.21
3/4	7.49	3/4	320.78	3/4	662.77	3/4	996.01	3/4	1,332.33	3/4	1,674.33	3/4	2,016.33	3/4	2,358.34	3/4	2,700.34	3/4	3,042.33
1	9.27	1	327.91	1	669.90	1	1,002.83	1	1,339.45	1	1,681.46	1	2,023.46	1	2,365.46	1	2,707.47	1	3,049.45
1/4	12.83	1/4	335.03	1/4	677.02	1/4	1,009.65	1/4	1,346.58	1/4	1,688.58	1/4	2,030.59	1/4	2,372.59	1/4	2,714.59	1/4	3,056.57
1/2	16.39	1/2	342.16	1/2	684.15	1/2	1,016.47	1/2	1,353.70	1/2	1,695.71	1/2	2,037.71	1/2	2,379.71	1/2	2,721.72	1/2	3,063.70
3/4	19.96	3/4	349.28	3/4	691.27	3/4	1,023.29	3/4	1,360.83	3/4	1,702.83	3/4	2,044.84	3/4	2,386.84	3/4	2,728.84	3/4	3,070.82
2	23.52	2	356.41	2	698.40	2	1,030.10	2	1,367.95	2	1,709.96	2	2,051.96	2	2,393.97	2	2,735.97	2	3,077.94
1/4	28.86	1/4	363.53	1/4	705.52	1/4	1,036.92	1/4	1,375.08	1/4	1,717.08	1/4	2,059.09	1/4	2,401.09	1/4	2,743.10	1/4	3,085.07
1/2	34.20	1/2	370.66	1/2	712.65	1/2	1,043.74	1/2	1,382.20	1/2	1,724.21	1/2	2,066.21	1/2	2,408.22	1/2	2,750.22	1/2	3,092.19
3/4	39.55	3/4	377.78	3/4	719.77	3/4	1,050.56	3/4	1,389.33	3/4	1,731.33	3/4	2,073.34	3/4	2,415.34	3/4	2,757.35	3/4	3,099.31
3	44.89	3	384.91	3	726.90	3	1,057.38	3	1,396.45	3	1,738.46	3	2,080.46	3	2,422.47	3	2,764.47	3	3,106.43
1/4	51.55	1/4	392.03	1/4	734.02	1/4	1,064.20	1/4	1,403.58	1/4	1,745.58	1/4	2,087.59	1/4	2,429.59	1/4	2,771.60	1/4	3,113.56
1/2	58.21	1/2	399.15	1/2	741.15	1/2	1,071.02	1/2	1,410.70	1/2	1,752.71	1/2	2,094.71	1/2	2,436.72	1/2	2,778.72	1/2	3,120.68
3/4	64.87	3/4	406.28	3/4	748.27	3/4	1,077.85	3/4	1,417.83	3/4	1,759.83	3/4	2,101.84	3/4	2,443.84	3/4	2,785.85	3/4	3,127.80
4	71.53	4	413.40	4	755.39	4	1,084.67	4	1,424.95	4	1,766.96	4	2,108.96	4	2,450.97	4	2,792.97	4	3,134.93
1/4	78.63	1/4	420.53	1/4	762.52	1/4	1,091.50	1/4	1,432.08	1/4	1,774.08	1/4	2,116.09	1/4	2,458.09	1/4	2,800.10	1/4	3,142.05
1/2	85.74	1/2	427.65	1/2	769.64	1/2	1,098.34	1/2	1,439.20	1/2	1,781.21	1/2	2,123.21	1/2	2,465.22	1/2	2,807.22	1/2	3,149.17
3/4	92.84	3/4	434.78	3/4	776.77	3/4	1,105.18	3/4	1,446.33	3/4	1,788.33	3/4	2,130.34	3/4	2,472.34	3/4	2,814.35	3/4	3,156.30
5	99.94	5	441.90	5	783.89	5	1,112.01	5	1,453.45	5	1,795.46	5	2,137.46	5	2,479.47	5	2,821.47	5	3,163.42
1/4	107.06	1/4	449.03	1/4	790.88	1/4	1,118.99	1/4	1,460.58	1/4	1,802.58	1/4	2,144.59	1/4	2,486.59	1/4	2,828.60	1/4	3,170.54
1/2	114.18	1/2	456.15	1/2	797.86	1/2	1,125.98	1/2	1,467.70	1/2	1,809.71	1/2	2,151.71	1/2	2,493.72	1/2	2,835.72	1/2	3,177.66
3/4	121.30	3/4	463.28	3/4	804.85	3/4	1,132.96	3/4	1,474.83	3/4	1,816.83	3/4	2,158.84	3/4	2,500.84	3/4	2,842.85	3/4	3,184.79
6	128.41	6	470.40	6	811.83	6	1,139.95	6	1,481.95	6	1,823.96	6	2,165.96	6	2,507.97	6	2,849.97	6	3,191.91
1/4	135.54	1/4	477.53	1/4	818.67	1/4	1,147.07	1/4	1,489.08	1/4	1,831.08	1/4	2,173.09	1/4	2,515.09	1/4	2,857.10	1/4	3,199.03
1/2	142.66	1/2	484.65	1/2	825.50	1/2	1,154.20	1/2	1,496.20	1/2	1,838.21	1/2	2,180.21	1/2	2,522.22	1/2	2,864.22	1/2	3,206.16
3/4	149.79	3/4	491.78	3/4	832.34	3/4	1,161.32	3/4	1,503.33	3/4	1,845.33	3/4	2,187.34	3/4	2,529.34	3/4	2,871.35	3/4	3,213.28
7	156.91	7	498.90	7	839.17	7	1,168.45	7	1,510.45	7	1,852.46	7	2,194.46	7	2,536.47	7	2,878.47	7	3,220.40
1/4	164.04	1/4	506.03	1/4	845.99	1/4	1,175.57	1/4	1,517.58	1/4	1,859.58	1/4	2,201.59	1/4	2,543.59	1/4	2,885.60	1/4	3,227.53
1/2	171.16	1/2	513.15	1/2	852.82	1/2	1,182.70	1/2	1,524.70	1/2	1,866.71	1/2	2,208.71	1/2	2,550.72	1/2	2,892.72	1/2	3,234.65
3/4	178.29	3/4	520.28	3/4	859.64	3/4	1,189.82	3/4	1,531.83	3/4	1,873.83	3/4	2,215.84	3/4	2,557.84	3/4	2,899.85	3/4	3,241.77
8	185.41	8	527.40	8	866.46	8	1,196.95	8	1,538.95	8	1,880.96	8	2,222.96	8	2,564.97	8	2,906.97	8	3,248.89
1/4	192.54	1/4	534.53	1/4	873.28	1/4	1,204.07	1/4	1,546.08	1/4	1,888.08	1/4	2,230.09	1/4	2,572.09	1/4	2,914.10	1/4	3,256.02
1/2	199.66	1/2	541.65	1/2	880.10	1/2	1,211.20	1/2	1,553.20	1/2	1,895.21	1/2	2,237.21	1/2	2,579.22	1/2	2,921.22	1/2	3,263.14
3/4	206.79	3/4	548.78	3/4	886.92	3/4	1,218.32	3/4	1,560.33	3/4	1,902.33	3/4	2,244.34	3/4	2,586.34	3/4	2,928.35	3/4	3,270.26
9	213.91	9	555.90	9	893.73	9	1,225.45	9	1,567.45	9	1,909.46	9	2,251.46	9	2,593.47	9	2,935.47	9	3,277.39
1/4	221.03	1/4	563.03	1/4	900.55	1/4	1,232.57	1/4	1,574.58	1/4	1,916.58	1/4	2,258.59	1/4	2,600.59	1/4	2,942.60	1/4	3,284.51
1/2	228.16	1/2	570.15	1/2	907.37	1/2	1,239.70	1/2	1,581.70	1/2	1,923.71	1/2	2,265.71	1/2	2,607.72	1/2	2,949.72	1/2	3,291.63
3/4	235.28	3/4	577.27	3/4	914.19	3/4	1,246.82	3/4	1,588.83	3/4	1,930.83	3/4	2,272.84	3/4	2,614.84	3/4	2,956.85	3/4	3,298.76
10	242.41	10	584.40	10	921.01	10	1,253.95	10	1,595.95	10	1,937.96	10	2,279.96	10	2,621.97	10	2,963.97	10	3,305.88
1/4	249.53	1/4	591.52	1/4	927.83	1/4	1,261.07	1/4	1,603.08	1/4	1,945.08	1/4	2,287.09	1/4	2,629.09	1/4	2,971.10	1/4	3,313.00
1/2	256.66	1/2	598.65	1/2	934.64	1/2	1,268.20	1/2	1,610.20	1/2	1,952.21	1/2	2,294.21	1/2	2,636.22	1/2	2,978.22	1/2	3,320.12
3/4	263.78	3/4	605.77	3/4	941.46	3/4	1,275.32	3/4	1,617.33	3/4	1,959.33	3/4	2,301.34	3/4	2,643.34	3/4	2,985.35	3/4	3,327.25
11	270.91	11	612.90	11	948.28	11	1,282.45	11	1,624.45	11	1,966.46	11	2,308.46	11	2,650.47	11	2,992.47	11	3,334.37
1/4	278.03	1/4	620.02	1/4	955.10	1/4	1,289.57	1/4	1,631.58	1/4	1,973.58	1/4	2,315.59	1/4	2,657.59	1/4	2,999.60	1/4	3,341.49
1/2	285.16	1/2	627.15	1/2	961.92	1/2	1,296.70	1/2	1,638.70	1/2	1,980.71	1/2	2,322.71	1/2	2,664.72	1/2	3,006.72	1/2	3,348.62
3/4	292.28	3/4	634.27	3/4	968.74	3/4	1,303.82	3/4	1,645.83	3/4	1,987.83	3/4	2,329.84	3/4	2,671.84	3/4	3,013.85	3/4	3,355.74

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.

GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092

Pearland, Texas 77588  
<http://www.pmacorp.net>

*Paul Adams*



**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**2 PORT**  
**INNAGE TABLE**  
**10" HATCH**  
**GAUGE HEIGHT 18'-02"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,362.86	0	3,704.77	0	4,046.67	0	4,388.13	0	4,728.47	0	5,048.72	0		0		0		0	
1/4	3,369.99	1/4	3,711.89	1/4	4,053.79	1/4	4,395.22	1/4	4,735.56	1/4	5,051.91	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,377.11	1/2	3,719.01	1/2	4,060.92	1/2	4,402.31	1/2	4,742.65	1/2	5,055.10	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,384.23	3/4	3,726.14	3/4	4,068.04	3/4	4,409.40	3/4	4,749.74	3/4	5,058.28	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,391.35	1	3,733.26	1	4,075.16	1	4,416.49	1	4,756.83	1	5,061.47	1	1	1	1	1	1	1	1
1/4	3,398.48	1/4	3,740.38	1/4	4,082.29	1/4	4,423.58	1/4	4,763.92	1/4	5,063.47	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,405.60	1/2	3,747.50	1/2	4,089.41	1/2	4,430.67	1/2	4,771.01	1/2	5,065.47	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,412.72	3/4	3,754.63	3/4	4,096.53	3/4	4,437.76	3/4	4,778.10	3/4	5,067.47	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,419.85	2	3,761.75	2	4,103.65	2	4,444.85	2	4,785.19	2	5,069.47	2	2	2	2	2	2	2	2
1/4	3,426.97	1/4	3,768.87	1/4	4,110.78	1/4	4,451.94	1/4	4,792.28	1/4	5,070.39	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,434.09	1/2	3,776.00	1/2	4,117.90	1/2	4,459.03	1/2	4,799.37	1/2	5,071.32	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,441.22	3/4	3,783.12	3/4	4,125.02	3/4	4,466.12	3/4	4,806.46	3/4	5,072.24	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,448.34	3	3,790.24	3	4,132.15	3	4,473.21	3	4,813.56	3	5,073.17	3	3	3	3	3	3	3	3
1/4	3,455.46	1/4	3,797.37	1/4	4,139.27	1/4	4,480.30	1/4	4,820.65	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,462.58	1/2	3,804.49	1/2	4,146.39	1/2	4,487.39	1/2	4,827.74	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,469.71	3/4	3,811.61	3/4	4,153.52	3/4	4,494.48	3/4	4,834.83	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,476.83	4	3,818.73	4	4,160.64	4	4,501.57	4	4,841.92	4	4	4	4	4	4	4	4	4	4
1/4	3,483.95	1/4	3,825.86	1/4	4,167.76	1/4	4,508.66	1/4	4,848.99	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,491.08	1/2	3,832.98	1/2	4,174.88	1/2	4,515.75	1/2	4,856.05	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,498.20	3/4	3,840.10	3/4	4,182.01	3/4	4,522.84	3/4	4,863.12	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,505.32	5	3,847.23	5	4,189.13	5	4,529.94	5	4,870.19	5	5	5	5	5	5	5	5	5	5
1/4	3,512.45	1/4	3,854.35	1/4	4,196.25	1/4	4,537.03	1/4	4,877.24	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,519.57	1/2	3,861.47	1/2	4,203.38	1/2	4,544.12	1/2	4,884.28	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,526.69	3/4	3,868.60	3/4	4,210.50	3/4	4,551.21	3/4	4,891.33	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,533.81	6	3,875.72	6	4,217.62	6	4,558.30	6	4,898.37	6	6	6	6	6	6	6	6	6	6
1/4	3,540.94	1/4	3,882.84	1/4	4,224.75	1/4	4,565.39	1/4	4,905.42	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,548.06	1/2	3,889.96	1/2	4,231.87	1/2	4,572.48	1/2	4,912.46	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,555.18	3/4	3,897.09	3/4	4,238.99	3/4	4,579.57	3/4	4,919.51	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,562.31	7	3,904.21	7	4,246.11	7	4,586.66	7	4,926.55	7	7	7	7	7	7	7	7	7	7
1/4	3,569.43	1/4	3,911.33	1/4	4,253.24	1/4	4,593.75	1/4	4,933.59	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,576.55	1/2	3,918.46	1/2	4,260.36	1/2	4,600.84	1/2	4,940.63	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,583.68	3/4	3,925.58	3/4	4,267.48	3/4	4,607.93	3/4	4,947.66	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,590.80	8	3,932.70	8	4,274.61	8	4,615.02	8	4,954.70	8	8	8	8	8	8	8	8	8	8
1/4	3,597.92	1/4	3,939.83	1/4	4,281.71	1/4	4,622.11	1/4	4,961.70	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,605.04	1/2	3,946.95	1/2	4,288.82	1/2	4,629.20	1/2	4,968.71	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,612.17	3/4	3,954.07	3/4	4,295.93	3/4	4,636.29	3/4	4,975.71	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,619.29	9	3,961.19	9	4,303.04	9	4,643.38	9	4,982.72	9	9	9	9	9	9	9	9	9	9
1/4	3,626.41	1/4	3,968.32	1/4	4,310.13	1/4	4,650.47	1/4	4,989.28	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,633.54	1/2	3,975.44	1/2	4,317.22	1/2	4,657.56	1/2	4,995.85	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,640.66	3/4	3,982.56	3/4	4,324.31	3/4	4,664.65	3/4	5,002.42	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,647.78	10	3,989.69	10	4,331.40	10	4,671.75	10	5,008.98	10	10	10	10	10	10	10	10	10	10
1/4	3,654.91	1/4	3,996.81	1/4	4,338.49	1/4	4,678.84	1/4	5,014.54	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,662.03	1/2	4,003.93	1/2	4,345.58	1/2	4,685.93	1/2	5,020.11	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,669.15	3/4	4,011.06	3/4	4,352.67	3/4	4,693.02	3/4	5,025.67	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,676.27	11	4,018.18	11	4,359.76	11	4,700.11	11	5,031.23	11	11	11	11	11	11	11	11	11	11
1/4	3,683.40	1/4	4,025.30	1/4	4,366.85	1/4	4,707.20	1/4	5,035.60	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,690.52	1/2	4,032.42	1/2	4,373.94	1/2	4,714.29	1/2	5,039.98	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,697.64	3/4	4,039.55	3/4	4,381.03	3/4	4,721.38	3/4	5,044.35	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/25/2020 CL  
CALCULATED: 08/26/2020 CL  
PRINTED: 08/26/2020 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2020



**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**2 STBD  
INNAGE TABLE**

**10" HATCH  
GAUGE HEIGHT 18'-02"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	2.16	0	301.16	0	645.14	0	988.86	0	1,332.64	0	1,676.64	0	2,020.64	0	2,364.64	0	2,708.65	0	3,052.65
1/4	3.95	1/4	308.32	1/4	652.31	1/4	996.01	1/4	1,339.81	1/4	1,683.81	1/4	2,027.81	1/4	2,371.81	1/4	2,715.81	1/4	3,059.81
1/2	5.74	1/2	315.49	1/2	659.48	1/2	1,003.16	1/2	1,346.97	1/2	1,690.97	1/2	2,034.98	1/2	2,378.98	1/2	2,722.98	1/2	3,066.97
3/4	7.53	3/4	322.66	3/4	666.64	3/4	1,010.32	3/4	1,354.14	3/4	1,698.14	3/4	2,042.14	3/4	2,386.14	3/4	2,730.15	3/4	3,074.13
1	9.32	1	329.82	1	673.81	1	1,017.47	1	1,361.31	1	1,705.31	1	2,049.31	1	2,393.31	1	2,737.31	1	3,081.30
1/4	12.91	1/4	336.99	1/4	680.98	1/4	1,024.62	1/4	1,368.47	1/4	1,712.47	1/4	2,056.48	1/4	2,400.48	1/4	2,744.48	1/4	3,088.46
1/2	16.49	1/2	344.16	1/2	688.14	1/2	1,031.77	1/2	1,375.64	1/2	1,719.64	1/2	2,063.64	1/2	2,407.64	1/2	2,751.65	1/2	3,095.63
3/4	20.07	3/4	351.32	3/4	695.31	3/4	1,038.93	3/4	1,382.81	3/4	1,726.81	3/4	2,070.81	3/4	2,414.81	3/4	2,758.81	3/4	3,102.79
2	23.66	2	358.49	2	702.48	2	1,046.08	2	1,389.97	2	1,733.97	2	2,077.98	2	2,421.98	2	2,765.98	2	3,109.96
1/4	29.03	1/4	365.65	1/4	709.64	1/4	1,053.23	1/4	1,397.14	1/4	1,741.14	1/4	2,085.14	1/4	2,429.14	1/4	2,773.15	1/4	3,117.12
1/2	34.41	1/2	372.82	1/2	716.81	1/2	1,060.38	1/2	1,404.31	1/2	1,748.31	1/2	2,092.31	1/2	2,436.31	1/2	2,780.31	1/2	3,124.28
3/4	39.78	3/4	379.99	3/4	723.97	3/4	1,067.54	3/4	1,411.47	3/4	1,755.47	3/4	2,099.48	3/4	2,443.48	3/4	2,787.48	3/4	3,131.45
3	45.15	3	387.15	3	731.14	3	1,074.69	3	1,418.64	3	1,762.64	3	2,106.64	3	2,450.64	3	2,794.65	3	3,138.61
1/4	51.85	1/4	394.32	1/4	738.31	1/4	1,081.85	1/4	1,425.81	1/4	1,769.81	1/4	2,113.81	1/4	2,457.81	1/4	2,801.81	1/4	3,145.78
1/2	58.55	1/2	401.49	1/2	745.47	1/2	1,089.00	1/2	1,432.97	1/2	1,776.97	1/2	2,120.98	1/2	2,464.98	1/2	2,808.98	1/2	3,152.94
3/4	65.25	3/4	408.65	3/4	752.64	3/4	1,096.16	3/4	1,440.14	3/4	1,784.14	3/4	2,128.14	3/4	2,472.14	3/4	2,816.15	3/4	3,160.11
4	71.95	4	415.82	4	759.81	4	1,103.32	4	1,447.31	4	1,791.31	4	2,135.31	4	2,479.31	4	2,823.31	4	3,167.27
1/4	79.09	1/4	422.99	1/4	766.97	1/4	1,110.48	1/4	1,454.47	1/4	1,798.47	1/4	2,142.48	1/4	2,486.48	1/4	2,830.48	1/4	3,174.44
1/2	86.24	1/2	430.15	1/2	774.14	1/2	1,117.64	1/2	1,461.64	1/2	1,805.64	1/2	2,149.64	1/2	2,493.64	1/2	2,837.65	1/2	3,181.60
3/4	93.38	3/4	437.32	3/4	781.31	3/4	1,124.81	3/4	1,468.81	3/4	1,812.81	3/4	2,156.81	3/4	2,500.81	3/4	2,844.81	3/4	3,188.77
5	100.52	5	444.48	5	788.47	5	1,131.97	5	1,475.97	5	1,819.97	5	2,163.98	5	2,507.98	5	2,851.98	5	3,195.93
1/4	107.68	1/4	451.65	1/4	795.64	1/4	1,139.14	1/4	1,483.14	1/4	1,827.14	1/4	2,171.14	1/4	2,515.14	1/4	2,859.15	1/4	3,203.10
1/2	114.84	1/2	458.82	1/2	802.80	1/2	1,146.30	1/2	1,490.31	1/2	1,834.31	1/2	2,178.31	1/2	2,522.31	1/2	2,866.31	1/2	3,210.26
3/4	122.01	3/4	465.98	3/4	809.97	3/4	1,153.47	3/4	1,497.47	3/4	1,841.47	3/4	2,185.48	3/4	2,529.48	3/4	2,873.48	3/4	3,217.43
6	129.17	6	473.15	6	817.14	6	1,160.64	6	1,504.64	6	1,848.64	6	2,192.64	6	2,536.64	6	2,880.65	6	3,224.59
1/4	136.33	1/4	480.32	1/4	824.30	1/4	1,167.81	1/4	1,511.81	1/4	1,855.81	1/4	2,199.81	1/4	2,543.81	1/4	2,887.81	1/4	3,231.76
1/2	143.50	1/2	487.48	1/2	831.47	1/2	1,174.97	1/2	1,518.97	1/2	1,862.97	1/2	2,206.98	1/2	2,550.98	1/2	2,894.98	1/2	3,238.92
3/4	150.66	3/4	494.65	3/4	838.63	3/4	1,182.14	3/4	1,526.14	3/4	1,870.14	3/4	2,214.14	3/4	2,558.14	3/4	2,902.15	3/4	3,246.08
7	157.83	7	501.82	7	845.79	7	1,189.31	7	1,533.31	7	1,877.31	7	2,221.31	7	2,565.31	7	2,909.31	7	3,253.25
1/4	165.00	1/4	508.98	1/4	852.95	1/4	1,196.47	1/4	1,540.47	1/4	1,884.48	1/4	2,228.48	1/4	2,572.48	1/4	2,916.48	1/4	3,260.41
1/2	172.16	1/2	516.15	1/2	860.11	1/2	1,203.64	1/2	1,547.64	1/2	1,891.64	1/2	2,235.64	1/2	2,579.64	1/2	2,923.65	1/2	3,267.58
3/4	179.33	3/4	523.32	3/4	867.26	3/4	1,210.81	3/4	1,554.81	3/4	1,898.81	3/4	2,242.81	3/4	2,586.81	3/4	2,930.81	3/4	3,274.74
8	186.49	8	530.48	8	874.42	8	1,217.97	8	1,561.97	8	1,905.98	8	2,249.98	8	2,593.98	8	2,937.98	8	3,281.91
1/4	193.66	1/4	537.65	1/4	881.57	1/4	1,225.14	1/4	1,569.14	1/4	1,913.14	1/4	2,257.14	1/4	2,601.15	1/4	2,945.15	1/4	3,289.07
1/2	200.83	1/2	544.81	1/2	888.72	1/2	1,232.31	1/2	1,576.31	1/2	1,920.31	1/2	2,264.31	1/2	2,608.31	1/2	2,952.31	1/2	3,296.24
3/4	207.99	3/4	551.98	3/4	895.88	3/4	1,239.47	3/4	1,583.47	3/4	1,927.48	3/4	2,271.48	3/4	2,615.48	3/4	2,959.48	3/4	3,303.40
9	215.16	9	559.15	9	903.03	9	1,246.64	9	1,590.64	9	1,934.64	9	2,278.64	9	2,622.65	9	2,966.65	9	3,310.57
1/4	222.33	1/4	566.31	1/4	910.18	1/4	1,253.81	1/4	1,597.81	1/4	1,941.81	1/4	2,285.81	1/4	2,629.81	1/4	2,973.81	1/4	3,317.73
1/2	229.49	1/2	573.48	1/2	917.33	1/2	1,260.97	1/2	1,604.97	1/2	1,948.98	1/2	2,292.98	1/2	2,636.98	1/2	2,980.98	1/2	3,324.90
3/4	236.66	3/4	580.65	3/4	924.49	3/4	1,268.14	3/4	1,612.14	3/4	1,956.14	3/4	2,300.14	3/4	2,644.15	3/4	2,988.15	3/4	3,332.06
10	243.83	10	587.81	10	931.64	10	1,275.31	10	1,619.31	10	1,963.31	10	2,307.31	10	2,651.31	10	2,995.31	10	3,339.23
1/4	250.99	1/4	594.98	1/4	938.79	1/4	1,282.47	1/4	1,626.47	1/4	1,970.48	1/4	2,314.48	1/4	2,658.48	1/4	3,002.48	1/4	3,346.39
1/2	258.16	1/2	602.15	1/2	945.94	1/2	1,289.64	1/2	1,633.64	1/2	1,977.64	1/2	2,321.64	1/2	2,665.65	1/2	3,009.65	1/2	3,353.55
3/4	265.32	3/4	609.31	3/4	953.10	3/4	1,296.81	3/4	1,640.81	3/4	1,984.81	3/4	2,328.81	3/4	2,672.81	3/4	3,016.81	3/4	3,360.72
11	272.49	11	616.48	11	960.25	11	1,303.97	11	1,647.97	11	1,991.98	11	2,335.98	11	2,679.98	11	3,023.98	11	3,367.88
1/4	279.66	1/4	623.64	1/4	967.40	1/4	1,311.14	1/4	1,655.14	1/4	1,999.14	1/4	2,343.14	1/4	2,687.15	1/4	3,031.15	1/4	3,375.05
1/2	286.82	1/2	630.81	1/2	974.55	1/2	1,318.31	1/2	1,662.31	1/2	2,006.31	1/2	2,350.31	1/2	2,694.31	1/2	3,038.31	1/2	3,382.21
3/4	293.99	3/4	637.98	3/4	981.71	3/4	1,325.47	3/4	1,669.47	3/4	2,013.48	3/4	2,357.48	3/4	2,701.48	3/4	3,045.48	3/4	3,389.38

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.

GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**2 STBD**  
**INNAGE TABLE**  
**10" HATCH**  
**GAUGE HEIGHT 18'-02"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,396.54	0	3,740.46	0	4,084.46	0	4,428.00	0	4,770.42	0	5,092.64	0		0		0		0	
1/4	3,403.71	1/4	3,747.62	1/4	4,091.62	1/4	4,435.13	1/4	4,777.56	1/4	5,095.85	1/4		1/4		1/4		1/4	
1/2	3,410.87	1/2	3,754.79	1/2	4,098.79	1/2	4,442.26	1/2	4,784.69	1/2	5,099.06	1/2		1/2		1/2		1/2	
3/4	3,418.04	3/4	3,761.96	3/4	4,105.96	3/4	4,449.40	3/4	4,791.82	3/4	5,102.27	3/4		3/4		3/4		3/4	
1	3,425.20	1	3,769.12	1	4,113.12	1	4,456.53	1	4,798.96	1	5,105.47	1		1		1		1	
1/4	3,432.37	1/4	3,776.29	1/4	4,120.29	1/4	4,463.67	1/4	4,806.09	1/4	5,107.48	1/4		1/4		1/4		1/4	
1/2	3,439.53	1/2	3,783.46	1/2	4,127.46	1/2	4,470.80	1/2	4,813.23	1/2	5,109.50	1/2		1/2		1/2		1/2	
3/4	3,446.70	3/4	3,790.62	3/4	4,134.62	3/4	4,477.93	3/4	4,820.36	3/4	5,111.51	3/4		3/4		3/4		3/4	
2	3,453.86	2	3,797.79	2	4,141.79	2	4,485.07	2	4,827.49	2	5,113.52	2		2		2		2	
1/4	3,461.03	1/4	3,804.96	1/4	4,148.96	1/4	4,492.20	1/4	4,834.63	1/4	5,114.45	1/4		1/4		1/4		1/4	
1/2	3,468.19	1/2	3,812.12	1/2	4,156.12	1/2	4,499.33	1/2	4,841.76	1/2	5,115.39	1/2		1/2		1/2		1/2	
3/4	3,475.35	3/4	3,819.29	3/4	4,163.29	3/4	4,506.47	3/4	4,848.90	3/4	5,116.32	3/4		3/4		3/4		3/4	
3	3,482.52	3	3,826.46	3	4,170.46	3	4,513.60	3	4,856.03	3	5,117.25	3		3		3		3	
1/4	3,489.68	1/4	3,833.62	1/4	4,177.62	1/4	4,520.74	1/4	4,863.16	1/4		1/4		1/4		1/4		1/4	
1/2	3,496.85	1/2	3,840.79	1/2	4,184.79	1/2	4,527.87	1/2	4,870.30	1/2		1/2		1/2		1/2		1/2	
3/4	3,504.01	3/4	3,847.96	3/4	4,191.96	3/4	4,535.00	3/4	4,877.43	3/4		3/4		3/4		3/4		3/4	
4	3,511.18	4	3,855.12	4	4,199.12	4	4,542.14	4	4,884.57	4		4		4		4		4	
1/4	3,518.34	1/4	3,862.29	1/4	4,206.29	1/4	4,549.27	1/4	4,891.68	1/4		1/4		1/4		1/4		1/4	
1/2	3,525.51	1/2	3,869.46	1/2	4,213.46	1/2	4,556.41	1/2	4,898.79	1/2		1/2		1/2		1/2		1/2	
3/4	3,532.67	3/4	3,876.62	3/4	4,220.62	3/4	4,563.54	3/4	4,905.90	3/4		3/4		3/4		3/4		3/4	
5	3,539.84	5	3,883.79	5	4,227.79	5	4,570.67	5	4,913.01	5		5		5		5		5	
1/4	3,547.00	1/4	3,890.96	1/4	4,234.96	1/4	4,577.81	1/4	4,920.10	1/4		1/4		1/4		1/4		1/4	
1/2	3,554.17	1/2	3,898.12	1/2	4,242.12	1/2	4,584.94	1/2	4,927.19	1/2		1/2		1/2		1/2		1/2	
3/4	3,561.33	3/4	3,905.29	3/4	4,249.29	3/4	4,592.08	3/4	4,934.28	3/4		3/4		3/4		3/4		3/4	
6	3,568.50	6	3,912.46	6	4,256.46	6	4,599.21	6	4,941.37	6		6		6		6		6	
1/4	3,575.66	1/4	3,919.62	1/4	4,263.63	1/4	4,606.34	1/4	4,948.45	1/4		1/4		1/4		1/4		1/4	
1/2	3,582.83	1/2	3,926.79	1/2	4,270.79	1/2	4,613.48	1/2	4,955.54	1/2		1/2		1/2		1/2		1/2	
3/4	3,589.99	3/4	3,933.96	3/4	4,277.96	3/4	4,620.61	3/4	4,962.63	3/4		3/4		3/4		3/4		3/4	
7	3,597.15	7	3,941.12	7	4,285.13	7	4,627.74	7	4,969.72	7		7		7		7		7	
1/4	3,604.32	1/4	3,948.29	1/4	4,292.29	1/4	4,634.88	1/4	4,976.80	1/4		1/4		1/4		1/4		1/4	
1/2	3,611.48	1/2	3,955.46	1/2	4,299.46	1/2	4,642.01	1/2	4,983.88	1/2		1/2		1/2		1/2		1/2	
3/4	3,618.65	3/4	3,962.62	3/4	4,306.63	3/4	4,649.15	3/4	4,990.96	3/4		3/4		3/4		3/4		3/4	
8	3,625.81	8	3,969.79	8	4,313.79	8	4,656.28	8	4,998.04	8		8		8		8		8	
1/4	3,632.98	1/4	3,976.96	1/4	4,320.94	1/4	4,663.41	1/4	5,005.09	1/4		1/4		1/4		1/4		1/4	
1/2	3,640.14	1/2	3,984.12	1/2	4,328.09	1/2	4,670.55	1/2	5,012.14	1/2		1/2		1/2		1/2		1/2	
3/4	3,647.31	3/4	3,991.29	3/4	4,335.24	3/4	4,677.68	3/4	5,019.18	3/4		3/4		3/4		3/4		3/4	
9	3,654.47	9	3,998.46	9	4,342.39	9	4,684.82	9	5,026.23	9		9		9		9		9	
1/4	3,661.64	1/4	4,005.62	1/4	4,349.52	1/4	4,691.95	1/4	5,032.84	1/4		1/4		1/4		1/4		1/4	
1/2	3,668.80	1/2	4,012.79	1/2	4,356.66	1/2	4,699.08	1/2	5,039.44	1/2		1/2		1/2		1/2		1/2	
3/4	3,675.97	3/4	4,019.96	3/4	4,363.79	3/4	4,706.22	3/4	5,046.05	3/4		3/4		3/4		3/4		3/4	
10	3,683.13	10	4,027.12	10	4,370.92	10	4,713.35	10	5,052.66	10		10		10		10		10	
1/4	3,690.30	1/4	4,034.29	1/4	4,378.06	1/4	4,720.49	1/4	5,058.25	1/4		1/4		1/4		1/4		1/4	
1/2	3,697.46	1/2	4,041.46	1/2	4,385.19	1/2	4,727.62	1/2	5,063.85	1/2		1/2		1/2		1/2		1/2	
3/4	3,704.62	3/4	4,048.62	3/4	4,392.33	3/4	4,734.75	3/4	5,069.44	3/4		3/4		3/4		3/4		3/4	
11	3,711.79	11	4,055.79	11	4,399.46	11	4,741.89	11	5,075.04	11		11		11		11		11	
1/4	3,718.96	1/4	4,062.96	1/4	4,406.59	1/4	4,749.02	1/4	5,079.44	1/4		1/4		1/4		1/4		1/4	
1/2	3,726.12	1/2	4,070.12	1/2	4,413.73	1/2	4,756.15	1/2	5,083.84	1/2		1/2		1/2		1/2		1/2	
3/4	3,733.29	3/4	4,077.29	3/4	4,420.86	3/4	4,763.29	3/4	5,088.24	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/25/2020 CL  
CALCULATED: 08/26/2020 CL  
PRINTED: 08/26/2020 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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<http://www.pmacorp.net>



CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2020



**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**3 PORT  
INNAGE TABLE**

**10" HATCH  
GAUGE HEIGHT 18'-01 1/4"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	2.15	0	299.75	0	641.69	0	975.77	0	1,311.06	0	1,652.82	0	1,994.58	0	2,336.34	0	2,678.06	0	3,019.94
1/4	3.93	1/4	306.88	1/4	648.81	1/4	982.58	1/4	1,318.18	1/4	1,659.94	1/4	2,001.70	1/4	2,343.46	1/4	2,685.18	1/4	3,027.07
1/2	5.72	1/2	314.01	1/2	655.93	1/2	989.39	1/2	1,325.30	1/2	1,667.06	1/2	2,008.82	1/2	2,350.58	1/2	2,692.30	1/2	3,034.19
3/4	7.50	3/4	321.15	3/4	663.05	3/4	996.20	3/4	1,332.42	3/4	1,674.18	3/4	2,015.94	3/4	2,357.70	3/4	2,699.42	3/4	3,041.31
1	9.28	1	328.28	1	670.17	1	1,003.01	1	1,339.54	1	1,681.30	1	2,023.06	1	2,364.82	1	2,706.54	1	3,048.44
1/4	12.85	1/4	335.41	1/4	677.29	1/4	1,009.82	1/4	1,346.66	1/4	1,688.42	1/4	2,030.18	1/4	2,371.94	1/4	2,713.66	1/4	3,055.55
1/2	16.42	1/2	342.55	1/2	684.41	1/2	1,016.63	1/2	1,353.78	1/2	1,695.54	1/2	2,037.30	1/2	2,379.06	1/2	2,720.78	1/2	3,062.67
3/4	19.98	3/4	349.68	3/4	691.54	3/4	1,023.44	3/4	1,360.90	3/4	1,702.66	3/4	2,044.42	3/4	2,386.18	3/4	2,727.90	3/4	3,069.78
2	23.55	2	356.81	2	698.66	2	1,030.25	2	1,368.02	2	1,709.78	2	2,051.54	2	2,393.30	2	2,735.02	2	3,076.90
1/4	28.90	1/4	363.94	1/4	705.78	1/4	1,037.06	1/4	1,375.14	1/4	1,716.90	1/4	2,058.66	1/4	2,400.42	1/4	2,742.14	1/4	3,084.01
1/2	34.25	1/2	371.07	1/2	712.90	1/2	1,043.87	1/2	1,382.26	1/2	1,724.02	1/2	2,065.78	1/2	2,407.54	1/2	2,749.26	1/2	3,091.13
3/4	39.59	3/4	378.19	3/4	720.02	3/4	1,050.68	3/4	1,389.38	3/4	1,731.14	3/4	2,072.90	3/4	2,414.66	3/4	2,756.38	3/4	3,098.24
3	44.94	3	385.32	3	727.14	3	1,057.49	3	1,396.50	3	1,738.26	3	2,080.02	3	2,421.78	3	2,763.49	3	3,105.36
1/4	51.61	1/4	392.44	1/4	734.26	1/4	1,064.31	1/4	1,403.62	1/4	1,745.38	1/4	2,087.14	1/4	2,428.90	1/4	2,770.61	1/4	3,112.46
1/2	58.28	1/2	399.56	1/2	741.38	1/2	1,071.12	1/2	1,410.74	1/2	1,752.50	1/2	2,094.26	1/2	2,436.02	1/2	2,777.73	1/2	3,119.57
3/4	64.95	3/4	406.68	3/4	748.51	3/4	1,077.93	3/4	1,417.86	3/4	1,759.62	3/4	2,101.38	3/4	2,443.14	3/4	2,784.85	3/4	3,126.67
4	71.62	4	413.80	4	755.63	4	1,084.75	4	1,424.98	4	1,766.74	4	2,108.50	4	2,450.26	4	2,791.97	4	3,133.78
1/4	78.73	1/4	420.93	1/4	762.75	1/4	1,091.60	1/4	1,432.10	1/4	1,773.86	1/4	2,115.62	1/4	2,457.38	1/4	2,799.09	1/4	3,140.88
1/2	85.84	1/2	428.05	1/2	769.87	1/2	1,098.46	1/2	1,439.22	1/2	1,780.98	1/2	2,122.74	1/2	2,464.50	1/2	2,806.21	1/2	3,147.98
3/4	92.94	3/4	435.17	3/4	776.99	3/4	1,105.31	3/4	1,446.34	3/4	1,788.10	3/4	2,129.86	3/4	2,471.62	3/4	2,813.33	3/4	3,155.07
5	100.05	5	442.29	5	784.11	5	1,112.16	5	1,453.46	5	1,795.22	5	2,136.98	5	2,478.74	5	2,820.45	5	3,162.17
1/4	107.18	1/4	449.41	1/4	791.12	1/4	1,119.17	1/4	1,460.58	1/4	1,802.34	1/4	2,144.10	1/4	2,485.86	1/4	2,827.57	1/4	3,169.27
1/2	114.31	1/2	456.53	1/2	798.12	1/2	1,126.17	1/2	1,467.70	1/2	1,809.46	1/2	2,151.22	1/2	2,492.97	1/2	2,834.69	1/2	3,176.37
3/4	121.43	3/4	463.65	3/4	805.13	3/4	1,133.18	3/4	1,474.82	3/4	1,816.58	3/4	2,158.34	3/4	2,500.09	3/4	2,841.80	3/4	3,183.46
6	128.56	6	470.78	6	812.13	6	1,140.18	6	1,481.94	6	1,823.70	6	2,165.46	6	2,507.21	6	2,848.92	6	3,190.56
1/4	135.69	1/4	477.90	1/4	818.98	1/4	1,147.30	1/4	1,489.06	1/4	1,830.82	1/4	2,172.58	1/4	2,514.33	1/4	2,856.04	1/4	3,197.66
1/2	142.83	1/2	485.02	1/2	825.84	1/2	1,154.42	1/2	1,496.18	1/2	1,837.94	1/2	2,179.70	1/2	2,521.44	1/2	2,863.16	1/2	3,204.76
3/4	149.96	3/4	492.14	3/4	832.69	3/4	1,161.54	3/4	1,503.30	3/4	1,845.06	3/4	2,186.82	3/4	2,528.56	3/4	2,870.28	3/4	3,211.85
7	157.09	7	499.26	7	839.55	7	1,168.66	7	1,510.42	7	1,852.18	7	2,193.94	7	2,535.68	7	2,877.40	7	3,218.95
1/4	164.22	1/4	506.38	1/4	846.36	1/4	1,175.78	1/4	1,517.54	1/4	1,859.30	1/4	2,201.06	1/4	2,542.80	1/4	2,884.52	1/4	3,226.05
1/2	171.36	1/2	513.50	1/2	853.17	1/2	1,182.90	1/2	1,524.66	1/2	1,866.42	1/2	2,208.18	1/2	2,549.92	1/2	2,891.64	1/2	3,233.15
3/4	178.49	3/4	520.62	3/4	859.99	3/4	1,190.02	3/4	1,531.78	3/4	1,873.54	3/4	2,215.30	3/4	2,557.04	3/4	2,898.76	3/4	3,240.24
8	185.62	8	527.75	8	866.80	8	1,197.14	8	1,538.90	8	1,880.66	8	2,222.42	8	2,564.16	8	2,905.88	8	3,247.34
1/4	192.76	1/4	534.87	1/4	873.61	1/4	1,204.26	1/4	1,546.02	1/4	1,887.78	1/4	2,229.54	1/4	2,571.28	1/4	2,913.00	1/4	3,254.44
1/2	199.89	1/2	541.99	1/2	880.42	1/2	1,211.38	1/2	1,553.14	1/2	1,894.90	1/2	2,236.66	1/2	2,578.40	1/2	2,920.13	1/2	3,261.54
3/4	207.02	3/4	549.11	3/4	887.23	3/4	1,218.50	3/4	1,560.26	3/4	1,902.02	3/4	2,243.78	3/4	2,585.52	3/4	2,927.25	3/4	3,268.64
9	214.15	9	556.23	9	894.04	9	1,225.62	9	1,567.38	9	1,909.14	9	2,250.90	9	2,592.64	9	2,934.38	9	3,275.74
1/4	221.29	1/4	563.35	1/4	900.85	1/4	1,232.74	1/4	1,574.50	1/4	1,916.26	1/4	2,258.02	1/4	2,599.75	1/4	2,941.51	1/4	3,282.84
1/2	228.42	1/2	570.47	1/2	907.66	1/2	1,239.86	1/2	1,581.62	1/2	1,923.38	1/2	2,265.14	1/2	2,606.87	1/2	2,948.64	1/2	3,289.93
3/4	235.55	3/4	577.59	3/4	914.47	3/4	1,246.98	3/4	1,588.74	3/4	1,930.50	3/4	2,272.26	3/4	2,613.99	3/4	2,955.77	3/4	3,297.03
10	242.69	10	584.72	10	921.28	10	1,254.10	10	1,595.86	10	1,937.62	10	2,279.38	10	2,621.11	10	2,962.90	10	3,304.13
1/4	249.82	1/4	591.84	1/4	928.09	1/4	1,261.22	1/4	1,602.98	1/4	1,944.74	1/4	2,286.50	1/4	2,628.23	1/4	2,970.03	1/4	3,311.23
1/2	256.95	1/2	598.96	1/2	934.90	1/2	1,268.34	1/2	1,610.10	1/2	1,951.86	1/2	2,293.62	1/2	2,635.35	1/2	2,977.16	1/2	3,318.33
3/4	264.08	3/4	606.08	3/4	941.71	3/4	1,275.46	3/4	1,617.22	3/4	1,958.98	3/4	2,300.74	3/4	2,642.47	3/4	2,984.29	3/4	3,325.43
11	271.22	11	613.20	11	948.53	11	1,282.58	11	1,624.34	11	1,966.10	11	2,307.86	11	2,649.59	11	2,991.42	11	3,332.53
1/4	278.35	1/4	620.32	1/4	955.34	1/4	1,289.70	1/4	1,631.46	1/4	1,973.22	1/4	2,314.98	1/4	2,656.71	1/4	2,998.55	1/4	3,338.25
1/2	285.48	1/2	627.44	1/2	962.15	1/2	1,296.82	1/2	1,638.58	1/2	1,980.34	1/2	2,322.10	1/2	2,663.83	1/2	3,005.68	1/2	3,343.97
3/4	292.62	3/4	634.56	3/4	968.96	3/4	1,303.94	3/4	1,645.70	3/4	1,987.46	3/4	2,329.22	3/4	2,670.95	3/4	3,012.81	3/4	3,349.68

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.  
GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 82'-08" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**3 PORT  
INNAGE TABLE  
10" HATCH  
GAUGE HEIGHT 18'-01 1/4"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,355.40	0	3,564.46	0	3,774.29	0	3,983.85	0	4,192.77	0	4,383.39	0		0		0		0	
1/4	3,359.74	1/4	3,568.83	1/4	3,778.67	1/4	3,988.21	1/4	4,197.12	1/4	4,385.10	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,364.08	1/2	3,573.20	1/2	3,783.04	1/2	3,992.56	1/2	4,201.47	1/2	4,386.80	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,368.42	3/4	3,577.58	3/4	3,787.41	3/4	3,996.91	3/4	4,205.83	3/4	4,388.51	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,372.75	1	3,581.95	1	3,791.78	1	4,001.26	1	4,210.18	1	4,390.22	1	1	1	1	1	1	1	1
1/4	3,377.10	1/4	3,586.32	1/4	3,796.15	1/4	4,005.62	1/4	4,214.53	1/4	4,391.93	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,381.45	1/2	3,590.69	1/2	3,800.52	1/2	4,009.97	1/2	4,218.88	1/2	4,393.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,385.79	3/4	3,595.06	3/4	3,804.89	3/4	4,014.32	3/4	4,223.24	3/4	4,395.34	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,390.14	2	3,599.43	2	3,809.27	2	4,018.67	2	4,227.59	2	4,397.05	2	2	2	2	2	2	2	2
1/4	3,394.50	1/4	3,603.81	1/4	3,813.64	1/4	4,023.03	1/4	4,231.94	1/4	4,398.13	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,398.85	1/2	3,608.18	1/2	3,818.01	1/2	4,027.38	1/2	4,236.29	1/2	4,399.20	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,403.21	3/4	3,612.55	3/4	3,822.38	3/4	4,031.73	3/4	4,240.65	3/4	4,400.28	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,407.56	3	3,616.92	3	3,826.75	3	4,036.08	3	4,245.00	3	4,401.36	3	3	3	3	3	3	3	3
1/4	3,411.92	1/4	3,621.29	1/4	3,831.12	1/4	4,040.44	1/4	4,249.35	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,416.27	1/2	3,625.66	1/2	3,835.49	1/2	4,044.79	1/2	4,253.70	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,420.63	3/4	3,630.03	3/4	3,839.87	3/4	4,049.14	3/4	4,258.06	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,424.98	4	3,634.41	4	3,844.24	4	4,053.49	4	4,262.41	4		4	4	4	4	4	4	4	4
1/4	3,429.34	1/4	3,638.78	1/4	3,848.61	1/4	4,057.85	1/4	4,266.75	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,433.70	1/2	3,643.15	1/2	3,852.98	1/2	4,062.20	1/2	4,271.08	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,438.05	3/4	3,647.52	3/4	3,857.35	3/4	4,066.55	3/4	4,275.42	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,442.41	5	3,651.89	5	3,861.72	5	4,070.90	5	4,279.76	5		5	5	5	5	5	5	5	5
1/4	3,446.76	1/4	3,656.26	1/4	3,866.10	1/4	4,075.25	1/4	4,284.08	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,451.12	1/2	3,660.63	1/2	3,870.47	1/2	4,079.61	1/2	4,288.41	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,455.47	3/4	3,665.01	3/4	3,874.84	3/4	4,083.96	3/4	4,292.73	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,459.83	6	3,669.38	6	3,879.21	6	4,088.31	6	4,297.06	6		6	6	6	6	6	6	6	6
1/4	3,464.19	1/4	3,673.75	1/4	3,883.58	1/4	4,092.66	1/4	4,301.38	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,468.54	1/2	3,678.12	1/2	3,887.95	1/2	4,097.02	1/2	4,305.71	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,472.90	3/4	3,682.49	3/4	3,892.32	3/4	4,101.37	3/4	4,310.03	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,477.25	7	3,686.86	7	3,896.70	7	4,105.72	7	4,314.35	7		7	7	7	7	7	7	7	7
1/4	3,481.61	1/4	3,691.24	1/4	3,901.07	1/4	4,110.07	1/4	4,318.67	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,485.96	1/2	3,695.61	1/2	3,905.44	1/2	4,114.43	1/2	4,322.98	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,490.32	3/4	3,699.98	3/4	3,909.81	3/4	4,118.78	3/4	4,327.30	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,494.68	8	3,704.35	8	3,914.18	8	4,123.13	8	4,331.62	8		8	8	8	8	8	8	8	8
1/4	3,499.03	1/4	3,708.72	1/4	3,918.54	1/4	4,127.48	1/4	4,335.90	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,503.39	1/2	3,713.09	1/2	3,922.90	1/2	4,131.84	1/2	4,340.18	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,507.74	3/4	3,717.46	3/4	3,927.26	3/4	4,136.19	3/4	4,344.47	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,512.10	9	3,721.84	9	3,931.63	9	4,140.54	9	4,348.75	9		9	9	9	9	9	9	9	9
1/4	3,516.45	1/4	3,726.21	1/4	3,935.98	1/4	4,144.89	1/4	4,352.59	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,520.81	1/2	3,730.58	1/2	3,940.33	1/2	4,149.25	1/2	4,356.44	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,525.17	3/4	3,734.95	3/4	3,944.68	3/4	4,153.60	3/4	4,360.28	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,529.52	10	3,739.32	10	3,949.03	10	4,157.95	10	4,364.13	10		10	10	10	10	10	10	10	10
1/4	3,533.89	1/4	3,743.69	1/4	3,953.39	1/4	4,162.30	1/4	4,366.97	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,538.25	1/2	3,748.06	1/2	3,957.74	1/2	4,166.65	1/2	4,369.81	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,542.61	3/4	3,752.44	3/4	3,962.09	3/4	4,171.01	3/4	4,372.64	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,546.98	11	3,756.81	11	3,966.44	11	4,175.36	11	4,375.48	11		11	11	11	11	11	11	11	11
1/4	3,551.35	1/4	3,761.18	1/4	3,970.80	1/4	4,179.71	1/4	4,377.46	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,555.72	1/2	3,765.55	1/2	3,975.15	1/2	4,184.06	1/2	4,379.44	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,560.09	3/4	3,769.92	3/4	3,979.50	3/4	4,188.42	3/4	4,381.41	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/25/2020 CL  
CALCULATED: 08/26/2020 CL  
PRINTED: 08/26/2020 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2020

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>







**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**3 STBD**  
**INNAGE TABLE**

**10" HATCH**  
**GAUGE HEIGHT 18'-02 1/4"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	2.15	0	299.71	0	642.05	0	984.11	0	1,326.24	0	1,668.58	0	2,010.93	0	2,353.28	0	2,695.46	0	3,036.94
1/4	3.93	1/4	306.84	1/4	649.18	1/4	991.23	1/4	1,333.37	1/4	1,675.72	1/4	2,018.06	1/4	2,360.41	1/4	2,702.58	1/4	3,044.05
1/2	5.72	1/2	313.98	1/2	656.31	1/2	998.35	1/2	1,340.50	1/2	1,682.85	1/2	2,025.19	1/2	2,367.54	1/2	2,709.69	1/2	3,051.16
3/4	7.50	3/4	321.11	3/4	663.44	3/4	1,005.47	3/4	1,347.64	3/4	1,689.98	3/4	2,032.33	3/4	2,374.67	3/4	2,716.81	3/4	3,058.28
1	9.28	1	328.24	1	670.58	1	1,012.58	1	1,354.77	1	1,697.11	1	2,039.46	1	2,381.80	1	2,723.92	1	3,065.39
1/4	12.85	1/4	335.37	1/4	677.71	1/4	1,019.70	1/4	1,361.90	1/4	1,704.25	1/4	2,046.59	1/4	2,388.94	1/4	2,731.03	1/4	3,072.51
1/2	16.41	1/2	342.50	1/2	684.84	1/2	1,026.82	1/2	1,369.03	1/2	1,711.38	1/2	2,053.72	1/2	2,396.07	1/2	2,738.15	1/2	3,079.62
3/4	19.98	3/4	349.64	3/4	691.97	3/4	1,033.94	3/4	1,376.16	3/4	1,718.51	3/4	2,060.86	3/4	2,403.20	3/4	2,745.26	3/4	3,086.73
2	23.54	2	356.77	2	699.10	2	1,041.06	2	1,383.30	2	1,725.64	2	2,067.99	2	2,410.33	2	2,752.38	2	3,093.85
1/4	28.89	1/4	363.90	1/4	706.24	1/4	1,048.18	1/4	1,390.43	1/4	1,732.77	1/4	2,075.12	1/4	2,417.47	1/4	2,759.49	1/4	3,100.96
1/2	34.24	1/2	371.03	1/2	713.37	1/2	1,055.29	1/2	1,397.56	1/2	1,739.91	1/2	2,082.25	1/2	2,424.60	1/2	2,766.60	1/2	3,108.08
3/4	39.59	3/4	378.16	3/4	720.50	3/4	1,062.41	3/4	1,404.69	3/4	1,747.04	3/4	2,089.38	3/4	2,431.73	3/4	2,773.72	3/4	3,115.19
3	44.94	3	385.30	3	727.63	3	1,069.53	3	1,411.83	3	1,754.17	3	2,096.52	3	2,438.86	3	2,780.83	3	3,122.30
1/4	51.60	1/4	392.43	1/4	734.76	1/4	1,076.65	1/4	1,418.96	1/4	1,761.30	1/4	2,103.65	1/4	2,445.99	1/4	2,787.95	1/4	3,129.41
1/2	58.27	1/2	399.56	1/2	741.90	1/2	1,083.78	1/2	1,426.09	1/2	1,768.44	1/2	2,110.78	1/2	2,453.13	1/2	2,795.06	1/2	3,136.52
3/4	64.94	3/4	406.69	3/4	749.03	3/4	1,090.90	3/4	1,433.22	3/4	1,775.57	3/4	2,117.91	3/4	2,460.26	3/4	2,802.17	3/4	3,143.62
4	71.61	4	413.82	4	756.16	4	1,098.02	4	1,440.35	4	1,782.70	4	2,125.05	4	2,467.39	4	2,809.29	4	3,150.73
1/4	78.72	1/4	420.96	1/4	763.29	1/4	1,105.15	1/4	1,447.49	1/4	1,789.83	1/4	2,132.18	1/4	2,474.52	1/4	2,816.40	1/4	3,157.82
1/2	85.82	1/2	428.09	1/2	770.42	1/2	1,112.28	1/2	1,454.62	1/2	1,796.96	1/2	2,139.31	1/2	2,481.66	1/2	2,823.52	1/2	3,164.92
3/4	92.93	3/4	435.22	3/4	777.56	3/4	1,119.41	3/4	1,461.75	3/4	1,804.10	3/4	2,146.44	3/4	2,488.79	3/4	2,830.63	3/4	3,172.02
5	100.04	5	442.35	5	784.69	5	1,126.54	5	1,468.88	5	1,811.23	5	2,153.57	5	2,495.92	5	2,837.74	5	3,179.11
1/4	107.17	1/4	449.48	1/4	791.82	1/4	1,133.67	1/4	1,476.02	1/4	1,818.36	1/4	2,160.71	1/4	2,503.06	1/4	2,844.86	1/4	3,186.21
1/2	114.29	1/2	456.62	1/2	798.95	1/2	1,140.80	1/2	1,483.15	1/2	1,825.49	1/2	2,167.84	1/2	2,510.19	1/2	2,851.97	1/2	3,193.31
3/4	121.42	3/4	463.75	3/4	806.08	3/4	1,147.93	3/4	1,490.28	3/4	1,832.63	3/4	2,174.97	3/4	2,517.33	3/4	2,859.09	3/4	3,200.40
6	128.55	6	470.88	6	813.22	6	1,155.07	6	1,497.41	6	1,839.76	6	2,182.10	6	2,524.46	6	2,866.20	6	3,207.50
1/4	135.68	1/4	478.01	1/4	820.35	1/4	1,162.20	1/4	1,504.54	1/4	1,846.89	1/4	2,189.24	1/4	2,531.59	1/4	2,873.31	1/4	3,214.60
1/2	142.81	1/2	485.14	1/2	827.48	1/2	1,169.33	1/2	1,511.68	1/2	1,854.02	1/2	2,196.37	1/2	2,538.73	1/2	2,880.43	1/2	3,221.69
3/4	149.94	3/4	492.28	3/4	834.60	3/4	1,176.46	3/4	1,518.81	3/4	1,861.15	3/4	2,203.50	3/4	2,545.86	3/4	2,887.54	3/4	3,228.79
7	157.07	7	499.41	7	841.73	7	1,183.60	7	1,525.94	7	1,868.29	7	2,210.63	7	2,552.99	7	2,894.66	7	3,235.89
1/4	164.20	1/4	506.54	1/4	848.86	1/4	1,190.73	1/4	1,533.07	1/4	1,875.42	1/4	2,217.76	1/4	2,560.13	1/4	2,901.77	1/4	3,242.98
1/2	171.34	1/2	513.67	1/2	855.98	1/2	1,197.86	1/2	1,540.21	1/2	1,882.55	1/2	2,224.90	1/2	2,567.26	1/2	2,908.88	1/2	3,250.08
3/4	178.47	3/4	520.80	3/4	863.10	3/4	1,204.99	3/4	1,547.34	3/4	1,889.68	3/4	2,232.03	3/4	2,574.39	3/4	2,916.00	3/4	3,257.18
8	185.60	8	527.94	8	870.22	8	1,212.12	8	1,554.47	8	1,896.82	8	2,239.16	8	2,581.53	8	2,923.11	8	3,264.27
1/4	192.73	1/4	535.07	1/4	877.34	1/4	1,219.26	1/4	1,561.60	1/4	1,903.95	1/4	2,246.29	1/4	2,588.66	1/4	2,930.23	1/4	3,271.37
1/2	199.86	1/2	542.20	1/2	884.46	1/2	1,226.39	1/2	1,568.73	1/2	1,911.08	1/2	2,253.43	1/2	2,595.79	1/2	2,937.34	1/2	3,278.47
3/4	207.00	3/4	549.33	3/4	891.58	3/4	1,233.52	3/4	1,575.87	3/4	1,918.21	3/4	2,260.56	3/4	2,602.92	3/4	2,944.45	3/4	3,285.56
9	214.13	9	556.46	9	898.69	9	1,240.65	9	1,583.00	9	1,925.34	9	2,267.69	9	2,610.06	9	2,951.57	9	3,292.66
1/4	221.26	1/4	563.60	1/4	905.81	1/4	1,247.78	1/4	1,590.13	1/4	1,932.48	1/4	2,274.82	1/4	2,617.18	1/4	2,958.68	1/4	3,299.76
1/2	228.39	1/2	570.73	1/2	912.93	1/2	1,254.92	1/2	1,597.26	1/2	1,939.61	1/2	2,281.95	1/2	2,624.30	1/2	2,965.80	1/2	3,306.85
3/4	235.52	3/4	577.86	3/4	920.05	3/4	1,262.05	3/4	1,604.39	3/4	1,946.74	3/4	2,289.09	3/4	2,631.43	3/4	2,972.91	3/4	3,313.95
10	242.66	10	584.99	10	927.17	10	1,269.18	10	1,611.53	10	1,953.87	10	2,296.22	10	2,638.55	10	2,980.02	10	3,321.05
1/4	249.79	1/4	592.12	1/4	934.28	1/4	1,276.31	1/4	1,618.66	1/4	1,961.00	1/4	2,303.35	1/4	2,645.67	1/4	2,987.14	1/4	3,328.14
1/2	256.92	1/2	599.26	1/2	941.40	1/2	1,283.45	1/2	1,625.79	1/2	1,968.14	1/2	2,310.48	1/2	2,652.78	1/2	2,994.25	1/2	3,335.24
3/4	264.05	3/4	606.39	3/4	948.52	3/4	1,290.58	3/4	1,632.92	3/4	1,975.27	3/4	2,317.61	3/4	2,659.89	3/4	3,001.37	3/4	3,342.34
11	271.18	11	613.52	11	955.64	11	1,297.71	11	1,640.06	11	1,982.40	11	2,324.75	11	2,667.01	11	3,008.48	11	3,349.44
1/4	278.32	1/4	620.65	1/4	962.76	1/4	1,304.84	1/4	1,647.19	1/4	1,989.53	1/4	2,331.88	1/4	2,674.12	1/4	3,015.59	1/4	3,356.55
1/2	285.45	1/2	627.78	1/2	969.88	1/2	1,311.97	1/2	1,654.32	1/2	1,996.67	1/2	2,339.01	1/2	2,681.24	1/2	3,022.71	1/2	3,363.67
3/4	292.58	3/4	634.92	3/4	976.99	3/4	1,319.11	3/4	1,661.45	3/4	2,003.80	3/4	2,346.14	3/4	2,688.35	3/4	3,029.82	3/4	3,370.78

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.  
GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 82'-08" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
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P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**3 STBD**  
**INNAGE TABLE**  
**10" HATCH**  
**GAUGE HEIGHT 18'-02 1/4"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,372.31	0	3,582.05	0	3,792.01	0	4,001.70	0	4,210.74	0	4,401.49	0		0		0		0	
1/4	3,376.64	1/4	3,586.42	1/4	3,796.38	1/4	4,006.05	1/4	4,215.09	1/4	4,403.19	1/4		1/4		1/4		1/4	
1/2	3,380.98	1/2	3,590.80	1/2	3,800.75	1/2	4,010.41	1/2	4,219.45	1/2	4,404.90	1/2		1/2		1/2		1/2	
3/4	3,385.32	3/4	3,595.17	3/4	3,805.13	3/4	4,014.76	3/4	4,223.80	3/4	4,406.61	3/4		3/4		3/4		3/4	
1	3,389.66	1	3,599.55	1	3,809.50	1	4,019.12	1	4,228.16	1	4,408.32	1		1		1		1	
1/4	3,394.02	1/4	3,603.92	1/4	3,813.88	1/4	4,023.47	1/4	4,232.51	1/4	4,410.03	1/4		1/4		1/4		1/4	
1/2	3,398.37	1/2	3,608.29	1/2	3,818.25	1/2	4,027.83	1/2	4,236.87	1/2	4,411.74	1/2		1/2		1/2		1/2	
3/4	3,402.73	3/4	3,612.67	3/4	3,822.62	3/4	4,032.18	3/4	4,241.22	3/4	4,413.45	3/4		3/4		3/4		3/4	
2	3,407.09	2	3,617.04	2	3,827.00	2	4,036.54	2	4,245.58	2	4,415.15	2		2		2		2	
1/4	3,411.46	1/4	3,621.42	1/4	3,831.37	1/4	4,040.89	1/4	4,249.93	1/4	4,416.23	1/4		1/4		1/4		1/4	
1/2	3,415.83	1/2	3,625.79	1/2	3,835.75	1/2	4,045.25	1/2	4,254.29	1/2	4,417.31	1/2		1/2		1/2		1/2	
3/4	3,420.21	3/4	3,630.16	3/4	3,840.12	3/4	4,049.60	3/4	4,258.64	3/4	4,418.39	3/4		3/4		3/4		3/4	
3	3,424.58	3	3,634.54	3	3,844.50	3	4,053.96	3	4,263.00	3	4,419.46	3		3		3		3	
1/4	3,428.96	1/4	3,638.91	1/4	3,848.87	1/4	4,058.31	1/4	4,267.35	1/4		1/4		1/4		1/4		1/4	
1/2	3,433.33	1/2	3,643.29	1/2	3,853.24	1/2	4,062.67	1/2	4,271.71	1/2		1/2		1/2		1/2		1/2	
3/4	3,437.70	3/4	3,647.66	3/4	3,857.62	3/4	4,067.02	3/4	4,276.06	3/4		3/4		3/4		3/4		3/4	
4	3,442.08	4	3,652.03	4	3,861.99	4	4,071.38	4	4,280.42	4		4		4		4		4	
1/4	3,446.45	1/4	3,656.41	1/4	3,866.37	1/4	4,075.73	1/4	4,284.76	1/4		1/4		1/4		1/4		1/4	
1/2	3,450.83	1/2	3,660.78	1/2	3,870.74	1/2	4,080.09	1/2	4,289.10	1/2		1/2		1/2		1/2		1/2	
3/4	3,455.20	3/4	3,665.16	3/4	3,875.11	3/4	4,084.44	3/4	4,293.44	3/4		3/4		3/4		3/4		3/4	
5	3,459.57	5	3,669.53	5	3,879.49	5	4,088.80	5	4,297.78	5		5		5		5		5	
1/4	3,463.95	1/4	3,673.91	1/4	3,883.86	1/4	4,093.15	1/4	4,302.11	1/4		1/4		1/4		1/4		1/4	
1/2	3,468.32	1/2	3,678.28	1/2	3,888.24	1/2	4,097.51	1/2	4,306.44	1/2		1/2		1/2		1/2		1/2	
3/4	3,472.70	3/4	3,682.65	3/4	3,892.61	3/4	4,101.86	3/4	4,310.77	3/4		3/4		3/4		3/4		3/4	
6	3,477.07	6	3,687.03	6	3,896.98	6	4,106.22	6	4,315.10	6		6		6		6		6	
1/4	3,481.44	1/4	3,691.40	1/4	3,901.36	1/4	4,110.57	1/4	4,319.42	1/4		1/4		1/4		1/4		1/4	
1/2	3,485.82	1/2	3,695.78	1/2	3,905.73	1/2	4,114.93	1/2	4,323.75	1/2		1/2		1/2		1/2		1/2	
3/4	3,490.19	3/4	3,700.15	3/4	3,910.11	3/4	4,119.28	3/4	4,328.07	3/4		3/4		3/4		3/4		3/4	
7	3,494.57	7	3,704.52	7	3,914.48	7	4,123.64	7	4,332.40	7		7		7		7		7	
1/4	3,498.94	1/4	3,708.90	1/4	3,918.85	1/4	4,127.99	1/4	4,336.72	1/4		1/4		1/4		1/4		1/4	
1/2	3,503.32	1/2	3,713.27	1/2	3,923.23	1/2	4,132.35	1/2	4,341.04	1/2		1/2		1/2		1/2		1/2	
3/4	3,507.69	3/4	3,717.65	3/4	3,927.60	3/4	4,136.70	3/4	4,345.35	3/4		3/4		3/4		3/4		3/4	
8	3,512.06	8	3,722.02	8	3,931.98	8	4,141.06	8	4,349.67	8		8		8		8		8	
1/4	3,516.44	1/4	3,726.39	1/4	3,936.34	1/4	4,145.41	1/4	4,353.96	1/4		1/4		1/4		1/4		1/4	
1/2	3,520.81	1/2	3,730.77	1/2	3,940.71	1/2	4,149.77	1/2	4,358.24	1/2		1/2		1/2		1/2		1/2	
3/4	3,525.19	3/4	3,735.14	3/4	3,945.07	3/4	4,154.12	3/4	4,362.53	3/4		3/4		3/4		3/4		3/4	
9	3,529.56	9	3,739.52	9	3,949.44	9	4,158.48	9	4,366.82	9		9		9		9		9	
1/4	3,533.93	1/4	3,743.89	1/4	3,953.79	1/4	4,162.83	1/4	4,370.66	1/4		1/4		1/4		1/4		1/4	
1/2	3,538.31	1/2	3,748.26	1/2	3,958.15	1/2	4,167.19	1/2	4,374.51	1/2		1/2		1/2		1/2		1/2	
3/4	3,542.68	3/4	3,752.64	3/4	3,962.50	3/4	4,171.54	3/4	4,378.36	3/4		3/4		3/4		3/4		3/4	
10	3,547.06	10	3,757.01	10	3,966.86	10	4,175.90	10	4,382.21	10		10		10		10		10	
1/4	3,551.43	1/4	3,761.39	1/4	3,971.21	1/4	4,180.25	1/4	4,385.05	1/4		1/4		1/4		1/4		1/4	
1/2	3,555.80	1/2	3,765.76	1/2	3,975.57	1/2	4,184.61	1/2	4,387.89	1/2		1/2		1/2		1/2		1/2	
3/4	3,560.18	3/4	3,770.14	3/4	3,979.92	3/4	4,188.96	3/4	4,390.73	3/4		3/4		3/4		3/4		3/4	
11	3,564.55	11	3,774.51	11	3,984.28	11	4,193.32	11	4,393.57	11		11		11		11		11	
1/4	3,568.93	1/4	3,778.88	1/4	3,988.63	1/4	4,197.67	1/4	4,395.55	1/4		1/4		1/4		1/4		1/4	
1/2	3,573.30	1/2	3,783.26	1/2	3,992.99	1/2	4,202.03	1/2	4,397.53	1/2		1/2		1/2		1/2		1/2	
3/4	3,577.67	3/4	3,787.63	3/4	3,997.34	3/4	4,206.38	3/4	4,399.51	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/25/2020 CL  
CALCULATED: 08/26/2020 CL  
PRINTED: 08/26/2020 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2020



**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**ULLAGE (10" HATCH)**

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-0/8	06-0/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8
1 STBD	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-0/8	06-0/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8
2 PORT	- 02-0/8	02-0/8	- 04-1/8	04-1/8	- 06-1/8	06-1/8	- 08-2/8	08-2/8	- 10-2/8	10-2/8	- 12-2/8	12-2/8
2 STBD	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-1/8	06-1/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8
3 PORT	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-0/8	- 06-0/8	08-0/8	- 08-0/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8
3 STBD	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-0/8	- 06-0/8	08-0/8	- 08-0/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"  
 AFT DRAFT = 6'-00"  
 DIFF. = 4'-00" (DOWN BY STERN)

THE CORRECTION FOR 4'-00" TRIM DOWN BY STERN FOR 1 PORT IS 08-1/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-08 1/8"

LENGTH BETWEEN DRAFT MARKS: 237'-03"

August 25, 2020

**PRECISION MEASUREMENT  
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Pearland, Texas 77588

<http://www.pmacorp.net>



**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**1 PORT**  
**ULLAGE TABLE**

**10" HATCH**  
**GAUGE HEIGHT 18'-02"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0		0		0		0	5,026.34	0	4,741.71	0	4,400.96	0	4,059.36	0	3,717.04	0	3,374.80	0	3,032.57		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,024.34	1/4	4,734.61	1/4	4,393.86	1/4	4,052.23	1/4	3,709.91	1/4	3,367.67	1/4	3,025.44		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,022.34	1/2	4,727.51	1/2	4,386.76	1/2	4,045.10	1/2	3,702.78	1/2	3,360.54	1/2	3,018.31		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,020.34	3/4	4,720.42	3/4	4,379.66	3/4	4,037.97	3/4	3,695.65	3/4	3,353.41	3/4	3,011.18		
1	1	1	1	1	1	1	5,018.33	1	4,713.32	1	4,372.56	1	4,030.83	1	3,688.52	1	3,346.28	1	3,004.06		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,015.14	1/4	4,706.22	1/4	4,365.47	1/4	4,023.70	1/4	3,681.39	1/4	3,339.15	1/4	2,996.92		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,011.95	1/2	4,699.12	1/2	4,358.37	1/2	4,016.57	1/2	3,674.25	1/2	3,332.02	1/2	2,989.79		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,008.76	3/4	4,692.02	3/4	4,351.27	3/4	4,009.44	3/4	3,667.12	3/4	3,324.89	3/4	2,982.66		
2	2	2	2	2	2	2	5,005.57	2	4,684.92	2	4,344.17	2	4,002.31	2	3,659.99	2	3,317.76	2	2,975.53		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,001.19	1/4	4,677.82	1/4	4,337.07	1/4	3,995.18	1/4	3,652.86	1/4	3,310.63	1/4	2,968.40		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,996.81	1/2	4,670.72	1/2	4,329.97	1/2	3,988.04	1/2	3,645.73	1/2	3,303.50	1/2	2,961.27		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,992.43	3/4	4,663.62	3/4	4,322.87	3/4	3,980.91	3/4	3,638.60	3/4	3,296.37	3/4	2,954.13		
3	3	3	3	3	3	3	4,988.05	3	4,656.52	3	4,315.77	3	3,973.78	3	3,631.46	3	3,289.24	3	2,947.00		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,982.48	1/4	4,649.43	1/4	4,308.67	1/4	3,966.65	1/4	3,624.34	1/4	3,282.11	1/4	2,939.87		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,976.91	1/2	4,642.33	1/2	4,301.57	1/2	3,959.52	1/2	3,617.21	1/2	3,274.98	1/2	2,932.74		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,971.35	3/4	4,635.23	3/4	4,294.48	3/4	3,952.39	3/4	3,610.08	3/4	3,267.85	3/4	2,925.61		
4	4	4	4	4	4	4	4,965.78	4	4,628.13	4	4,287.38	4	3,945.26	4	3,602.95	4	3,260.72	4	2,918.48		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,959.20	1/4	4,621.03	1/4	4,280.28	1/4	3,938.12	1/4	3,595.82	1/4	3,253.59	1/4	2,911.34		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,952.63	1/2	4,613.93	1/2	4,273.18	1/2	3,930.99	1/2	3,588.69	1/2	3,246.46	1/2	2,904.21		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,946.06	3/4	4,606.83	3/4	4,266.08	3/4	3,923.86	3/4	3,581.56	3/4	3,239.34	3/4	2,897.08		
5	5	5	5	5	5	5	4,939.48	5	4,599.73	5	4,258.98	5	3,916.73	5	3,574.43	5	3,232.21	5	2,889.95		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,932.47	1/4	4,592.63	1/4	4,251.87	1/4	3,909.60	1/4	3,567.30	1/4	3,225.08	1/4	2,882.82		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,925.46	1/2	4,585.53	1/2	4,244.75	1/2	3,902.47	1/2	3,560.17	1/2	3,217.95	1/2	2,875.69		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,918.44	3/4	4,578.44	3/4	4,237.63	3/4	3,895.33	3/4	3,553.04	3/4	3,210.82	3/4	2,868.56		
6	6	6	6	6	6	6	4,911.43	6	4,571.34	6	4,230.52	6	3,888.20	6	3,545.91	6	3,203.69	6	2,861.42		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,904.38	1/4	4,564.24	1/4	4,223.39	1/4	3,881.07	1/4	3,538.78	1/4	3,196.56	1/4	2,854.29		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,897.34	1/2	4,557.14	1/2	4,216.26	1/2	3,873.94	1/2	3,531.65	1/2	3,189.43	1/2	2,847.16		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,890.29	3/4	4,550.04	3/4	4,209.12	3/4	3,866.81	3/4	3,524.52	3/4	3,182.30	3/4	2,840.03		
7	7	7	7	7	7	7	4,883.24	7	4,542.94	7	4,201.99	7	3,859.68	7	3,517.39	7	3,175.17	7	2,832.90		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,876.19	1/4	4,535.84	1/4	4,194.86	1/4	3,852.54	1/4	3,510.26	1/4	3,168.04	1/4	2,825.77		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,869.14	1/2	4,528.74	1/2	4,187.73	1/2	3,845.41	1/2	3,503.13	1/2	3,160.91	1/2	2,818.64		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,862.08	3/4	4,521.64	3/4	4,180.60	3/4	3,838.28	3/4	3,496.00	3/4	3,153.78	3/4	2,811.50		
8	8	8	8	8	8	8	4,855.03	8	4,514.54	8	4,173.47	8	3,831.15	8	3,488.87	8	3,146.65	8	2,804.37		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,847.97	1/4	4,507.45	1/4	4,166.33	1/4	3,824.02	1/4	3,481.75	1/4	3,139.52	1/4	2,797.24		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,840.92	1/2	4,500.35	1/2	4,159.20	1/2	3,816.89	1/2	3,474.62	1/2	3,132.39	1/2	2,790.11		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,833.87	3/4	4,493.25	3/4	4,152.07	3/4	3,809.75	3/4	3,467.49	3/4	3,125.26	3/4	2,782.98		
9	9	9	9	9	9	9	4,826.81	9	4,486.15	9	4,144.94	9	3,802.62	9	3,460.36	9	3,118.13	9	2,775.85		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,819.73	1/4	4,479.05	1/4	4,137.81	1/4	3,795.49	1/4	3,453.23	1/4	3,111.00	1/4	2,768.71		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,812.66	1/2	4,471.95	1/2	4,130.68	1/2	3,788.36	1/2	3,446.10	1/2	3,103.87	1/2	2,761.58		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,805.58	3/4	4,464.85	3/4	4,123.55	3/4	3,781.23	3/4	3,438.97	3/4	3,096.74	3/4	2,754.45		
10	10	10	10	10	10	10	4,798.50	10	4,457.75	10	4,116.41	10	3,774.10	10	3,431.84	10	3,089.61	10	2,747.32		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,791.41	1/4	4,450.65	1/4	4,109.28	1/4	3,766.97	1/4	3,424.71	1/4	3,082.48	1/4	2,740.19		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,784.31	1/2	4,443.55	1/2	4,102.15	1/2	3,759.83	1/2	3,417.58	1/2	3,075.35	1/2	2,733.06		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,777.21	3/4	4,436.46	3/4	4,095.02	3/4	3,752.70	3/4	3,410.45	3/4	3,068.22	3/4	2,725.93		
11	11	11	11	11	11	11	5,030.05	11	4,770.11	11	4,429.36	11	4,087.89	11	3,745.57	11	3,403.32	11	3,061.09	11	2,718.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,029.12	1/4	4,763.01	1/4	4,422.26	1/4	4,080.76	1/4	3,738.44	1/4	3,396.19	1/4	3,053.96	1/4	2,711.66
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,028.20	1/2	4,755.91	1/2	4,415.16	1/2	4,073.62	1/2	3,731.31	1/2	3,389.06	1/2	3,046.83	1/2	2,704.53
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,027.27	3/4	4,748.81	3/4	4,408.06	3/4	4,066.49	3/4	3,724.18	3/4	3,381.93	3/4	3,039.70	3/4	2,697.40

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.  
GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**1 PORT**  
**ULLAGE TABLE**  
**10" HATCH**  
**GAUGE HEIGHT 18'-02"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,690.27	0	2,347.93	0	2,005.60	0	1,663.26	0	1,320.92	0	979.29	0	638.88	0	303.67	0	20.46	0	
1/4	2,683.14	1/4	2,340.80	1/4	1,998.46	1/4	1,656.13	1/4	1,313.79	1/4	972.22	1/4	631.75	1/4	297.13	1/4	17.66	1/4	
1/2	2,676.01	1/2	2,333.67	1/2	1,991.33	1/2	1,649.00	1/2	1,306.66	1/2	965.15	1/2	624.61	1/2	290.58	1/2	14.87	1/2	
3/4	2,668.87	3/4	2,326.54	3/4	1,984.20	3/4	1,641.86	3/4	1,299.53	3/4	958.08	3/4	617.48	3/4	284.03	3/4	12.07	3/4	
1	2,661.74	1	2,319.40	1	1,977.07	1	1,634.73	1	1,292.40	1	951.01	1	610.35	1	277.48	1	9.28	1	
1/4	2,654.61	1/4	2,312.27	1/4	1,969.94	1/4	1,627.60	1/4	1,285.26	1/4	943.94	1/4	603.22	1/4	271.02	1/4	7.50	1/4	
1/2	2,647.48	1/2	2,305.14	1/2	1,962.80	1/2	1,620.47	1/2	1,278.13	1/2	936.86	1/2	596.09	1/2	264.55	1/2	5.71	1/2	
3/4	2,640.35	3/4	2,298.01	3/4	1,955.67	3/4	1,613.34	3/4	1,271.00	3/4	929.79	3/4	588.96	3/4	258.08	3/4	3.93	3/4	
2	2,633.22	2	2,290.88	2	1,948.54	2	1,606.20	2	1,263.87	2	922.72	2	581.82	2	251.62	2	2.15	2	
1/4	2,626.08	1/4	2,283.74	1/4	1,941.41	1/4	1,599.07	1/4	1,256.74	1/4	915.65	1/4	574.69	1/4	245.24	1/4		1/4	
1/2	2,618.95	1/2	2,276.61	1/2	1,934.28	1/2	1,591.94	1/2	1,249.60	1/2	908.58	1/2	567.56	1/2	238.86	1/2		1/2	
3/4	2,611.82	3/4	2,269.48	3/4	1,927.14	3/4	1,584.81	3/4	1,242.47	3/4	901.51	3/4	560.43	3/4	232.47	3/4		3/4	
3	2,604.68	3	2,262.35	3	1,920.01	3	1,577.68	3	1,235.34	3	894.43	3	553.30	3	226.09	3		3	
1/4	2,597.55	1/4	2,255.22	1/4	1,912.88	1/4	1,570.54	1/4	1,228.21	1/4	887.36	1/4	546.16	1/4	219.79	1/4		1/4	
1/2	2,590.42	1/2	2,248.08	1/2	1,905.75	1/2	1,563.41	1/2	1,221.08	1/2	880.29	1/2	539.03	1/2	213.49	1/2		1/2	
3/4	2,583.29	3/4	2,240.95	3/4	1,898.62	3/4	1,556.28	3/4	1,213.94	3/4	873.22	3/4	531.90	3/4	207.20	3/4		3/4	
4	2,576.16	4	2,233.82	4	1,891.48	4	1,549.15	4	1,206.81	4	866.15	4	524.77	4	200.90	4		4	
1/4	2,569.02	1/4	2,226.69	1/4	1,884.35	1/4	1,542.02	1/4	1,199.68	1/4	859.08	1/4	517.64	1/4	194.68	1/4		1/4	
1/2	2,561.89	1/2	2,219.56	1/2	1,877.22	1/2	1,534.88	1/2	1,192.55	1/2	852.00	1/2	510.51	1/2	188.47	1/2		1/2	
3/4	2,554.76	3/4	2,212.42	3/4	1,870.09	3/4	1,527.75	3/4	1,185.42	3/4	844.93	3/4	503.37	3/4	182.25	3/4		3/4	
5	2,547.63	5	2,205.29	5	1,862.96	5	1,520.62	5	1,178.28	5	837.86	5	496.24	5	176.04	5		5	
1/4	2,540.50	1/4	2,198.16	1/4	1,855.82	1/4	1,513.49	1/4	1,171.15	1/4	830.79	1/4	489.13	1/4	169.90	1/4		1/4	
1/2	2,533.36	1/2	2,191.03	1/2	1,848.69	1/2	1,506.36	1/2	1,164.02	1/2	823.72	1/2	482.03	1/2	163.77	1/2		1/2	
3/4	2,526.23	3/4	2,183.90	3/4	1,841.56	3/4	1,499.22	3/4	1,156.89	3/4	816.65	3/4	474.92	3/4	157.64	3/4		3/4	
6	2,519.10	6	2,176.76	6	1,834.43	6	1,492.09	6	1,149.76	6	809.58	6	467.81	6	151.51	6		6	
1/4	2,511.97	1/4	2,169.63	1/4	1,827.30	1/4	1,484.96	1/4	1,142.62	1/4	802.50	1/4	460.77	1/4	145.46	1/4		1/4	
1/2	2,504.84	1/2	2,162.50	1/2	1,820.16	1/2	1,477.83	1/2	1,135.49	1/2	795.42	1/2	453.72	1/2	139.41	1/2		1/2	
3/4	2,497.70	3/4	2,155.37	3/4	1,813.03	3/4	1,470.70	3/4	1,128.36	3/4	788.35	3/4	446.68	3/4	133.36	3/4		3/4	
7	2,490.57	7	2,148.24	7	1,805.90	7	1,463.56	7	1,121.23	7	781.27	7	439.64	7	127.32	7		7	
1/4	2,483.44	1/4	2,141.10	1/4	1,798.77	1/4	1,456.43	1/4	1,114.10	1/4	774.18	1/4	432.67	1/4	121.35	1/4		1/4	
1/2	2,476.31	1/2	2,133.97	1/2	1,791.64	1/2	1,449.30	1/2	1,106.96	1/2	767.10	1/2	425.71	1/2	115.39	1/2		1/2	
3/4	2,469.18	3/4	2,126.84	3/4	1,784.50	3/4	1,442.17	3/4	1,099.83	3/4	760.01	3/4	418.75	3/4	109.42	3/4		3/4	
8	2,462.04	8	2,119.71	8	1,777.37	8	1,435.04	8	1,092.70	8	752.92	8	411.78	8	103.46	8		8	
1/4	2,454.91	1/4	2,112.58	1/4	1,770.24	1/4	1,427.90	1/4	1,085.58	1/4	745.80	1/4	404.90	1/4	97.58	1/4		1/4	
1/2	2,447.78	1/2	2,105.44	1/2	1,763.11	1/2	1,420.77	1/2	1,078.47	1/2	738.69	1/2	398.02	1/2	91.71	1/2		1/2	
3/4	2,440.65	3/4	2,098.31	3/4	1,755.98	3/4	1,413.64	3/4	1,071.35	3/4	731.57	3/4	391.14	3/4	85.83	3/4		3/4	
9	2,433.52	9	2,091.18	9	1,748.84	9	1,406.51	9	1,064.24	9	724.46	9	384.26	9	79.95	9		9	
1/4	2,426.38	1/4	2,084.05	1/4	1,741.71	1/4	1,399.38	1/4	1,057.15	1/4	717.33	1/4	377.46	1/4	74.18	1/4		1/4	
1/2	2,419.25	1/2	2,076.92	1/2	1,734.58	1/2	1,392.24	1/2	1,050.06	1/2	710.20	1/2	370.66	1/2	68.40	1/2		1/2	
3/4	2,412.12	3/4	2,069.78	3/4	1,727.45	3/4	1,385.11	3/4	1,042.97	3/4	703.06	3/4	363.86	3/4	62.63	3/4		3/4	
10	2,404.99	10	2,062.65	10	1,720.32	10	1,377.98	10	1,035.88	10	695.93	10	357.06	10	56.85	10		10	
1/4	2,397.86	1/4	2,055.52	1/4	1,713.18	1/4	1,370.85	1/4	1,028.81	1/4	688.80	1/4	350.35	1/4	51.60	1/4		1/4	
1/2	2,390.72	1/2	2,048.39	1/2	1,706.05	1/2	1,363.72	1/2	1,021.73	1/2	681.67	1/2	343.63	1/2	46.35	1/2		1/2	
3/4	2,383.59	3/4	2,041.26	3/4	1,698.92	3/4	1,356.58	3/4	1,014.66	3/4	674.54	3/4	336.92	3/4	41.10	3/4		3/4	
11	2,376.46	11	2,034.12	11	1,691.79	11	1,349.45	11	1,007.58	11	667.41	11	330.20	11	35.85	11		11	
1/4	2,369.33	1/4	2,026.99	1/4	1,684.66	1/4	1,342.32	1/4	1,000.51	1/4	660.27	1/4	323.57	1/4	32.00	1/4		1/4	
1/2	2,362.20	1/2	2,019.86	1/2	1,677.52	1/2	1,335.19	1/2	993.44	1/2	653.14	1/2	316.94	1/2	28.15	1/2		1/2	
3/4	2,355.06	3/4	2,012.73	3/4	1,670.39	3/4	1,328.06	3/4	986.37	3/4	646.01	3/4	310.31	3/4	24.31	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/25/2020 CL  
CALCULATED: 08/26/2020 CL  
PRINTED: 08/26/2020 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2020



**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**1 STBD**  
**ULLAGE TABLE**

**10" HATCH**  
**GAUGE HEIGHT 18'-02"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	5,041.65	0	4,756.29	0	4,414.66	0	4,072.18	0	3,728.98	0	3,385.85	0	3,042.74
1/4		1/4		1/4		1/4	5,039.65	1/4	4,749.17	1/4	4,407.54	1/4	4,065.03	1/4	3,721.83	1/4	3,378.70	1/4	3,035.59
1/2		1/2		1/2		1/2	5,037.64	1/2	4,742.06	1/2	4,400.43	1/2	4,057.88	1/2	3,714.68	1/2	3,371.55	1/2	3,028.44
3/4		3/4		3/4		3/4	5,035.63	3/4	4,734.94	3/4	4,393.31	3/4	4,050.73	3/4	3,707.53	3/4	3,364.40	3/4	3,021.30
1		1		1		1	5,033.62	1	4,727.82	1	4,386.19	1	4,043.58	1	3,700.38	1	3,357.26	1	3,014.15
1/4		1/4		1/4		1/4	5,030.42	1/4	4,720.70	1/4	4,379.07	1/4	4,036.43	1/4	3,693.23	1/4	3,350.11	1/4	3,007.00
1/2		1/2		1/2		1/2	5,027.22	1/2	4,713.59	1/2	4,371.96	1/2	4,029.28	1/2	3,686.08	1/2	3,342.96	1/2	2,999.85
3/4		3/4		3/4		3/4	5,024.03	3/4	4,706.47	3/4	4,364.84	3/4	4,022.13	3/4	3,678.93	3/4	3,335.81	3/4	2,992.70
2		2		2		2	5,020.83	2	4,699.35	2	4,357.72	2	4,014.98	2	3,671.78	2	3,328.66	2	2,985.55
1/4		1/4		1/4		1/4	5,016.44	1/4	4,692.24	1/4	4,350.61	1/4	4,007.83	1/4	3,664.63	1/4	3,321.52	1/4	2,978.40
1/2		1/2		1/2		1/2	5,012.04	1/2	4,685.12	1/2	4,343.49	1/2	4,000.68	1/2	3,657.48	1/2	3,314.37	1/2	2,971.25
3/4		3/4		3/4		3/4	5,007.65	3/4	4,678.00	3/4	4,336.37	3/4	3,993.53	3/4	3,650.33	3/4	3,307.22	3/4	2,964.10
3		3		3		3	5,003.26	3	4,670.88	3	4,329.25	3	3,986.38	3	3,643.18	3	3,300.07	3	2,956.95
1/4		1/4		1/4		1/4	4,997.68	1/4	4,663.77	1/4	4,322.14	1/4	3,979.23	1/4	3,636.03	1/4	3,292.92	1/4	2,949.80
1/2		1/2		1/2		1/2	4,992.10	1/2	4,656.65	1/2	4,315.02	1/2	3,972.08	1/2	3,628.88	1/2	3,285.78	1/2	2,942.65
3/4		3/4		3/4		3/4	4,986.51	3/4	4,649.53	3/4	4,307.90	3/4	3,964.93	3/4	3,621.74	3/4	3,278.63	3/4	2,935.50
4		4		4		4	4,980.93	4	4,642.41	4	4,300.78	4	3,957.78	4	3,614.59	4	3,271.48	4	2,928.35
1/4		1/4		1/4		1/4	4,974.34	1/4	4,635.30	1/4	4,293.67	1/4	3,950.63	1/4	3,607.44	1/4	3,264.33	1/4	2,921.20
1/2		1/2		1/2		1/2	4,967.75	1/2	4,628.18	1/2	4,286.55	1/2	3,943.48	1/2	3,600.29	1/2	3,257.18	1/2	2,914.05
3/4		3/4		3/4		3/4	4,961.16	3/4	4,621.06	3/4	4,279.43	3/4	3,936.33	3/4	3,593.14	3/4	3,250.04	3/4	2,906.90
5		5		5		5	4,954.57	5	4,613.95	5	4,272.31	5	3,929.18	5	3,586.00	5	3,242.89	5	2,899.75
1/4		1/4		1/4		1/4	4,947.54	1/4	4,606.83	1/4	4,265.18	1/4	3,922.03	1/4	3,578.85	1/4	3,235.74	1/4	2,892.60
1/2		1/2		1/2		1/2	4,940.51	1/2	4,599.71	1/2	4,258.05	1/2	3,914.88	1/2	3,571.70	1/2	3,228.59	1/2	2,885.45
3/4		3/4		3/4		3/4	4,933.48	3/4	4,592.59	3/4	4,250.92	3/4	3,907.73	3/4	3,564.55	3/4	3,221.44	3/4	2,878.30
6		6		6		6	4,926.44	6	4,585.48	6	4,243.79	6	3,900.58	6	3,557.40	6	3,214.29	6	2,871.15
1/4		1/4		1/4		1/4	4,919.38	1/4	4,578.36	1/4	4,236.64	1/4	3,893.43	1/4	3,550.26	1/4	3,207.15	1/4	2,864.00
1/2		1/2		1/2		1/2	4,912.32	1/2	4,571.24	1/2	4,229.49	1/2	3,886.28	1/2	3,543.11	1/2	3,200.00	1/2	2,856.85
3/4		3/4		3/4		3/4	4,905.25	3/4	4,564.12	3/4	4,222.34	3/4	3,879.13	3/4	3,535.96	3/4	3,192.85	3/4	2,849.70
7		7		7		7	4,898.19	7	4,557.01	7	4,215.19	7	3,871.98	7	3,528.81	7	3,185.70	7	2,842.55
1/4		1/4		1/4		1/4	4,891.12	1/4	4,549.89	1/4	4,208.04	1/4	3,864.83	1/4	3,521.66	1/4	3,178.55	1/4	2,835.40
1/2		1/2		1/2		1/2	4,884.04	1/2	4,542.77	1/2	4,200.89	1/2	3,857.68	1/2	3,514.52	1/2	3,171.41	1/2	2,828.25
3/4		3/4		3/4		3/4	4,876.97	3/4	4,535.65	3/4	4,193.74	3/4	3,850.53	3/4	3,507.37	3/4	3,164.26	3/4	2,821.10
8		8		8		8	4,869.90	8	4,528.54	8	4,186.59	8	3,843.38	8	3,500.22	8	3,157.11	8	2,813.95
1/4		1/4		1/4		1/4	4,862.83	1/4	4,521.42	1/4	4,179.44	1/4	3,836.23	1/4	3,493.07	1/4	3,149.96	1/4	2,806.80
1/2		1/2		1/2		1/2	4,855.76	1/2	4,514.30	1/2	4,172.29	1/2	3,829.08	1/2	3,485.92	1/2	3,142.81	1/2	2,799.65
3/4		3/4		3/4		3/4	4,848.68	3/4	4,507.19	3/4	4,165.14	3/4	3,821.93	3/4	3,478.77	3/4	3,135.67	3/4	2,792.50
9		9		9		9	4,841.61	9	4,500.07	9	4,157.99	9	3,814.78	9	3,471.63	9	3,128.52	9	2,785.35
1/4		1/4		1/4		1/4	4,834.52	1/4	4,492.95	1/4	4,150.84	1/4	3,807.63	1/4	3,464.48	1/4	3,121.37	1/4	2,778.20
1/2		1/2		1/2		1/2	4,827.42	1/2	4,485.83	1/2	4,143.69	1/2	3,800.48	1/2	3,457.33	1/2	3,114.22	1/2	2,771.05
3/4		3/4		3/4		3/4	4,820.32	3/4	4,478.72	3/4	4,136.53	3/4	3,793.33	3/4	3,450.18	3/4	3,107.07	3/4	2,763.90
10		10		10		10	4,813.23	10	4,471.60	10	4,129.38	10	3,786.18	10	3,443.03	10	3,099.93	10	2,756.75
1/4		1/4		1/4		1/4	4,806.11	1/4	4,464.48	1/4	4,122.23	1/4	3,779.03	1/4	3,435.89	1/4	3,092.78	1/4	2,749.60
1/2		1/2		1/2		1/2	4,799.00	1/2	4,457.36	1/2	4,115.08	1/2	3,771.88	1/2	3,428.74	1/2	3,085.63	1/2	2,742.45
3/4		3/4		3/4		3/4	4,791.88	3/4	4,450.25	3/4	4,107.93	3/4	3,764.73	3/4	3,421.59	3/4	3,078.48	3/4	2,735.30
11		11		11	5,045.37	11	4,784.76	11	4,443.13	11	4,100.78	11	3,757.58	11	3,414.44	11	3,071.33	11	2,728.15
1/4		1/4		1/4	5,044.44	1/4	4,777.64	1/4	4,436.01	1/4	4,093.63	1/4	3,750.43	1/4	3,407.29	1/4	3,064.18	1/4	2,721.00
1/2		1/2		1/2	5,043.51	1/2	4,770.53	1/2	4,428.90	1/2	4,086.48	1/2	3,743.28	1/2	3,400.15	1/2	3,057.04	1/2	2,713.85
3/4		3/4		3/4	5,042.58	3/4	4,763.41	3/4	4,421.78	3/4	4,079.33	3/4	3,736.13	3/4	3,393.00	3/4	3,049.89	3/4	2,706.70

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.  
GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**1 STBD**  
**ULLAGE TABLE**  
**10" HATCH**  
**GAUGE HEIGHT 18'-02"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,699.55	0	2,356.34	0	2,013.12	0	1,669.89	0	1,326.67	0	983.50	0	640.52	0	304.42	0	20.51	0	
1/4	2,692.40	1/4	2,349.19	1/4	2,005.97	1/4	1,662.74	1/4	1,319.52	1/4	976.36	1/4	633.37	1/4	297.85	1/4	17.71	1/4	
1/2	2,685.25	1/2	2,342.04	1/2	1,998.82	1/2	1,655.59	1/2	1,312.37	1/2	969.22	1/2	626.22	1/2	291.29	1/2	14.91	1/2	
3/4	2,678.10	3/4	2,334.89	3/4	1,991.67	3/4	1,648.44	3/4	1,305.22	3/4	962.08	3/4	619.07	3/4	284.72	3/4	12.11	3/4	
1	2,670.95	1	2,327.74	1	1,984.52	1	1,641.29	1	1,298.07	1	954.94	1	611.92	1	278.16	1	9.30	1	
1/4	2,663.80	1/4	2,320.59	1/4	1,977.37	1/4	1,634.14	1/4	1,290.92	1/4	947.80	1/4	604.77	1/4	271.68	1/4	7.52	1/4	
1/2	2,656.65	1/2	2,313.44	1/2	1,970.22	1/2	1,626.99	1/2	1,283.77	1/2	940.65	1/2	597.62	1/2	265.20	1/2	5.73	1/2	
3/4	2,649.50	3/4	2,306.29	3/4	1,963.07	3/4	1,619.84	3/4	1,276.62	3/4	933.51	3/4	590.47	3/4	258.71	3/4	3.94	3/4	
2	2,642.35	2	2,299.14	2	1,955.91	2	1,612.69	2	1,269.47	2	926.37	2	583.32	2	252.23	2	2.15	2	
1/4	2,635.20	1/4	2,291.99	1/4	1,948.76	1/4	1,605.54	1/4	1,262.32	1/4	919.23	1/4	576.17	1/4	245.84	1/4		1/4	
1/2	2,628.06	1/2	2,284.84	1/2	1,941.61	1/2	1,598.39	1/2	1,255.17	1/2	912.09	1/2	569.02	1/2	239.44	1/2		1/2	
3/4	2,620.91	3/4	2,277.69	3/4	1,934.46	3/4	1,591.24	3/4	1,248.02	3/4	904.95	3/4	561.87	3/4	233.04	3/4		3/4	
3	2,613.76	3	2,270.54	3	1,927.31	3	1,584.09	3	1,240.86	3	897.80	3	554.72	3	226.64	3		3	
1/4	2,606.61	1/4	2,263.39	1/4	1,920.16	1/4	1,576.94	1/4	1,233.71	1/4	890.66	1/4	547.57	1/4	220.33	1/4		1/4	
1/2	2,599.46	1/2	2,256.24	1/2	1,913.01	1/2	1,569.79	1/2	1,226.56	1/2	883.52	1/2	540.42	1/2	214.01	1/2		1/2	
3/4	2,592.31	3/4	2,249.09	3/4	1,905.86	3/4	1,562.64	3/4	1,219.41	3/4	876.38	3/4	533.27	3/4	207.70	3/4		3/4	
4	2,585.16	4	2,241.93	4	1,898.71	4	1,555.49	4	1,212.26	4	869.24	4	526.12	4	201.39	4		4	
1/4	2,578.01	1/4	2,234.78	1/4	1,891.56	1/4	1,548.34	1/4	1,205.11	1/4	862.10	1/4	518.97	1/4	195.16	1/4		1/4	
1/2	2,570.86	1/2	2,227.63	1/2	1,884.41	1/2	1,541.19	1/2	1,197.96	1/2	854.96	1/2	511.82	1/2	188.92	1/2		1/2	
3/4	2,563.71	3/4	2,220.48	3/4	1,877.26	3/4	1,534.04	3/4	1,190.81	3/4	847.81	3/4	504.67	3/4	182.69	3/4		3/4	
5	2,556.56	5	2,213.33	5	1,870.11	5	1,526.88	5	1,183.66	5	840.67	5	497.52	5	176.46	5		5	
1/4	2,549.41	1/4	2,206.18	1/4	1,862.96	1/4	1,519.73	1/4	1,176.51	1/4	833.53	1/4	490.39	1/4	170.32	1/4		1/4	
1/2	2,542.26	1/2	2,199.03	1/2	1,855.81	1/2	1,512.58	1/2	1,169.36	1/2	826.39	1/2	483.26	1/2	164.17	1/2		1/2	
3/4	2,535.11	3/4	2,191.88	3/4	1,848.66	3/4	1,505.43	3/4	1,162.21	3/4	819.25	3/4	476.13	3/4	158.02	3/4		3/4	
6	2,527.95	6	2,184.73	6	1,841.51	6	1,498.28	6	1,155.06	6	812.11	6	469.00	6	151.88	6		6	
1/4	2,520.80	1/4	2,177.58	1/4	1,834.36	1/4	1,491.13	1/4	1,147.91	1/4	804.96	1/4	461.83	1/4	145.81	1/4		1/4	
1/2	2,513.65	1/2	2,170.43	1/2	1,827.21	1/2	1,483.98	1/2	1,140.76	1/2	797.82	1/2	454.87	1/2	139.75	1/2		1/2	
3/4	2,506.50	3/4	2,163.28	3/4	1,820.06	3/4	1,476.83	3/4	1,133.61	3/4	790.67	3/4	447.80	3/4	133.69	3/4		3/4	
7	2,499.35	7	2,156.13	7	1,812.90	7	1,469.68	7	1,126.46	7	783.53	7	440.73	7	127.62	7		7	
1/4	2,492.20	1/4	2,148.98	1/4	1,805.75	1/4	1,462.53	1/4	1,119.31	1/4	776.38	1/4	433.75	1/4	121.64	1/4		1/4	
1/2	2,485.05	1/2	2,141.83	1/2	1,798.60	1/2	1,455.38	1/2	1,112.16	1/2	769.23	1/2	426.77	1/2	115.66	1/2		1/2	
3/4	2,477.90	3/4	2,134.68	3/4	1,791.45	3/4	1,448.23	3/4	1,105.01	3/4	762.08	3/4	419.78	3/4	109.69	3/4		3/4	
8	2,470.75	8	2,127.53	8	1,784.30	8	1,441.08	8	1,097.85	8	754.93	8	412.80	8	103.71	8		8	
1/4	2,463.60	1/4	2,120.38	1/4	1,777.15	1/4	1,433.93	1/4	1,090.70	1/4	747.78	1/4	405.90	1/4	97.82	1/4		1/4	
1/2	2,456.45	1/2	2,113.23	1/2	1,770.00	1/2	1,426.78	1/2	1,083.55	1/2	740.63	1/2	399.00	1/2	91.93	1/2		1/2	
3/4	2,449.30	3/4	2,106.08	3/4	1,762.85	3/4	1,419.63	3/4	1,076.40	3/4	733.48	3/4	392.10	3/4	86.04	3/4		3/4	
9	2,442.15	9	2,098.92	9	1,755.70	9	1,412.48	9	1,069.25	9	726.33	9	385.20	9	80.15	9		9	
1/4	2,435.00	1/4	2,091.77	1/4	1,748.55	1/4	1,405.33	1/4	1,062.10	1/4	719.18	1/4	378.39	1/4	74.36	1/4		1/4	
1/2	2,427.85	1/2	2,084.62	1/2	1,741.40	1/2	1,398.18	1/2	1,054.95	1/2	712.03	1/2	371.57	1/2	68.57	1/2		1/2	
3/4	2,420.70	3/4	2,077.47	3/4	1,734.25	3/4	1,391.03	3/4	1,047.80	3/4	704.88	3/4	364.76	3/4	62.78	3/4		3/4	
10	2,413.55	10	2,070.32	10	1,727.10	10	1,383.87	10	1,040.65	10	697.73	10	357.94	10	56.99	10		10	
1/4	2,406.40	1/4	2,063.17	1/4	1,719.95	1/4	1,376.72	1/4	1,033.51	1/4	690.58	1/4	351.21	1/4	51.73	1/4		1/4	
1/2	2,399.25	1/2	2,056.02	1/2	1,712.80	1/2	1,369.57	1/2	1,026.36	1/2	683.43	1/2	344.48	1/2	46.46	1/2		1/2	
3/4	2,392.10	3/4	2,048.87	3/4	1,705.65	3/4	1,362.42	3/4	1,019.22	3/4	676.27	3/4	337.74	3/4	41.20	3/4		3/4	
11	2,384.94	11	2,041.72	11	1,698.50	11	1,355.27	11	1,012.07	11	669.12	11	331.01	11	35.94	11		11	
1/4	2,377.79	1/4	2,034.57	1/4	1,691.35	1/4	1,348.12	1/4	1,004.93	1/4	661.97	1/4	324.36	1/4	32.08	1/4		1/4	
1/2	2,370.64	1/2	2,027.42	1/2	1,684.20	1/2	1,340.97	1/2	997.79	1/2	654.82	1/2	317.72	1/2	28.22	1/2		1/2	
3/4	2,363.49	3/4	2,020.27	3/4	1,677.05	3/4	1,333.82	3/4	990.64	3/4	647.67	3/4	311.07	3/4	24.37	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/25/2020 CL  
CALCULATED: 08/26/2020 CL  
PRINTED: 08/26/2020 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2020

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>





**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**2 PORT**  
**ULLAGE TABLE**

**10" HATCH**  
**GAUGE HEIGHT 18'-02"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	5,069.47	0	4,785.20	0	4,444.85	0	4,103.66	0	3,761.75	0	3,419.85	0	3,077.95
1/4		1/4		1/4		1/4	5,067.47	1/4	4,778.11	1/4	4,437.76	1/4	4,096.53	1/4	3,754.63	1/4	3,412.73	1/4	3,070.82
1/2		1/2		1/2		1/2	5,065.47	1/2	4,771.02	1/2	4,430.67	1/2	4,089.41	1/2	3,747.51	1/2	3,405.60	1/2	3,063.70
3/4		3/4		3/4		3/4	5,063.47	3/4	4,763.93	3/4	4,423.58	3/4	4,082.29	3/4	3,740.38	3/4	3,398.48	3/4	3,056.58
1		1		1		1	5,061.47	1	4,756.83	1	4,416.49	1	4,075.17	1	3,733.26	1	3,391.36	1	3,049.45
1/4		1/4		1/4		1/4	5,058.29	1/4	4,749.74	1/4	4,409.40	1/4	4,068.04	1/4	3,726.14	1/4	3,384.23	1/4	3,042.33
1/2		1/2		1/2		1/2	5,055.10	1/2	4,742.65	1/2	4,402.31	1/2	4,060.92	1/2	3,719.02	1/2	3,377.11	1/2	3,035.22
3/4		3/4		3/4		3/4	5,051.91	3/4	4,735.56	3/4	4,395.22	3/4	4,053.80	3/4	3,711.89	3/4	3,369.99	3/4	3,028.10
2		2		2		2	5,048.73	2	4,728.47	2	4,388.13	2	4,046.67	2	3,704.77	2	3,362.87	2	3,020.98
1/4		1/4		1/4		1/4	5,044.35	1/4	4,721.38	1/4	4,381.04	1/4	4,039.55	1/4	3,697.65	1/4	3,355.74	1/4	3,013.85
1/2		1/2		1/2		1/2	5,039.98	1/2	4,714.29	1/2	4,373.95	1/2	4,032.43	1/2	3,690.52	1/2	3,348.62	1/2	3,006.73
3/4		3/4		3/4		3/4	5,035.61	3/4	4,707.20	3/4	4,366.86	3/4	4,025.30	3/4	3,683.40	3/4	3,341.50	3/4	2,999.60
3		3		3		3	5,031.23	3	4,700.11	3	4,359.77	3	4,018.18	3	3,676.28	3	3,334.37	3	2,992.48
1/4		1/4		1/4		1/4	5,025.67	1/4	4,693.02	1/4	4,352.68	1/4	4,011.06	1/4	3,669.15	1/4	3,327.25	1/4	2,985.35
1/2		1/2		1/2		1/2	5,020.11	1/2	4,685.93	1/2	4,345.59	1/2	4,003.94	1/2	3,662.03	1/2	3,320.13	1/2	2,978.23
3/4		3/4		3/4		3/4	5,014.55	3/4	4,678.84	3/4	4,338.50	3/4	3,996.81	3/4	3,654.91	3/4	3,313.00	3/4	2,971.10
4		4		4		4	5,008.99	4	4,671.75	4	4,331.40	4	3,989.69	4	3,647.79	4	3,305.88	4	2,963.98
1/4		1/4		1/4		1/4	5,002.42	1/4	4,664.66	1/4	4,324.31	1/4	3,982.57	1/4	3,640.66	1/4	3,298.76	1/4	2,956.85
1/2		1/2		1/2		1/2	4,995.85	1/2	4,657.57	1/2	4,317.22	1/2	3,975.44	1/2	3,633.54	1/2	3,291.64	1/2	2,949.73
3/4		3/4		3/4		3/4	4,989.29	3/4	4,650.48	3/4	4,310.13	3/4	3,968.32	3/4	3,626.42	3/4	3,284.51	3/4	2,942.60
5		5		5		5	4,982.72	5	4,643.39	5	4,303.04	5	3,961.20	5	3,619.29	5	3,277.39	5	2,935.48
1/4		1/4		1/4		1/4	4,975.72	1/4	4,636.30	1/4	4,295.93	1/4	3,954.07	1/4	3,612.17	1/4	3,270.27	1/4	2,928.35
1/2		1/2		1/2		1/2	4,968.71	1/2	4,629.21	1/2	4,288.83	1/2	3,946.95	1/2	3,605.05	1/2	3,263.14	1/2	2,921.23
3/4		3/4		3/4		3/4	4,961.71	3/4	4,622.12	3/4	4,281.72	3/4	3,939.83	3/4	3,597.92	3/4	3,256.02	3/4	2,914.10
6		6		6		6	4,954.70	6	4,615.02	6	4,274.61	6	3,932.71	6	3,590.80	6	3,248.90	6	2,906.98
1/4		1/4		1/4		1/4	4,947.67	1/4	4,607.93	1/4	4,267.49	1/4	3,925.58	1/4	3,583.68	1/4	3,241.77	1/4	2,899.85
1/2		1/2		1/2		1/2	4,940.63	1/2	4,600.84	1/2	4,260.36	1/2	3,918.46	1/2	3,576.56	1/2	3,234.65	1/2	2,892.73
3/4		3/4		3/4		3/4	4,933.59	3/4	4,593.75	3/4	4,253.24	3/4	3,911.34	3/4	3,569.43	3/4	3,227.53	3/4	2,885.60
7		7		7		7	4,926.56	7	4,586.66	7	4,246.12	7	3,904.21	7	3,562.31	7	3,220.41	7	2,878.48
1/4		1/4		1/4		1/4	4,919.51	1/4	4,579.57	1/4	4,238.99	1/4	3,897.09	1/4	3,555.19	1/4	3,213.28	1/4	2,871.35
1/2		1/2		1/2		1/2	4,912.47	1/2	4,572.48	1/2	4,231.87	1/2	3,889.97	1/2	3,548.06	1/2	3,206.16	1/2	2,864.23
3/4		3/4		3/4		3/4	4,905.42	3/4	4,565.39	3/4	4,224.75	3/4	3,882.84	3/4	3,540.94	3/4	3,199.04	3/4	2,857.10
8		8		8		8	4,898.38	8	4,558.30	8	4,217.63	8	3,875.72	8	3,533.82	8	3,191.91	8	2,849.98
1/4		1/4		1/4		1/4	4,891.33	1/4	4,551.21	1/4	4,210.50	1/4	3,868.60	1/4	3,526.69	1/4	3,184.79	1/4	2,842.85
1/2		1/2		1/2		1/2	4,884.29	1/2	4,544.12	1/2	4,203.38	1/2	3,861.48	1/2	3,519.57	1/2	3,177.67	1/2	2,835.72
3/4		3/4		3/4		3/4	4,877.24	3/4	4,537.03	3/4	4,196.26	3/4	3,854.35	3/4	3,512.45	3/4	3,170.54	3/4	2,828.60
9		9		9		9	4,870.19	9	4,529.94	9	4,189.13	9	3,847.23	9	3,505.33	9	3,163.42	9	2,821.47
1/4		1/4		1/4		1/4	4,863.13	1/4	4,522.85	1/4	4,182.01	1/4	3,840.11	1/4	3,498.20	1/4	3,156.30	1/4	2,814.35
1/2		1/2		1/2		1/2	4,856.06	1/2	4,515.76	1/2	4,174.89	1/2	3,832.98	1/2	3,491.08	1/2	3,149.18	1/2	2,807.22
3/4		3/4		3/4		3/4	4,848.99	3/4	4,508.67	3/4	4,167.76	3/4	3,825.86	3/4	3,483.96	3/4	3,142.05	3/4	2,800.10
10		10		10		10	4,841.92	10	4,501.58	10	4,160.64	10	3,818.74	10	3,476.83	10	3,134.93	10	2,792.97
1/4		1/4		1/4		1/4	4,834.83	1/4	4,494.49	1/4	4,153.52	1/4	3,811.61	1/4	3,469.71	1/4	3,127.81	1/4	2,785.85
1/2		1/2		1/2		1/2	4,827.74	1/2	4,487.40	1/2	4,146.40	1/2	3,804.49	1/2	3,462.59	1/2	3,120.68	1/2	2,778.72
3/4		3/4		3/4		3/4	4,820.65	3/4	4,480.31	3/4	4,139.27	3/4	3,797.37	3/4	3,455.46	3/4	3,113.56	3/4	2,771.60
11		11		11	5,073.17	11	4,813.56	11	4,473.21	11	4,132.15	11	3,790.25	11	3,448.34	11	3,106.44	11	2,764.47
1/4		1/4		1/4	5,072.24	1/4	4,806.47	1/4	4,466.12	1/4	4,125.03	1/4	3,783.12	1/4	3,441.22	1/4	3,099.31	1/4	2,757.35
1/2		1/2		1/2	5,071.32	1/2	4,799.38	1/2	4,459.03	1/2	4,117.90	1/2	3,776.00	1/2	3,434.10	1/2	3,092.19	1/2	2,750.22
3/4		3/4		3/4	5,070.39	3/4	4,792.29	3/4	4,451.94	3/4	4,110.78	3/4	3,768.88	3/4	3,426.97	3/4	3,085.07	3/4	2,743.10

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.

GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>





**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**2 PORT**  
**ULLAGE TABLE**  
**10" HATCH**  
**GAUGE HEIGHT 18'-02"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,735.97	0	2,393.97	0	2,051.96	0	1,709.96	0	1,367.95	0	1,030.11	0	698.40	0	356.41	0	23.52	0	
1/4	2,728.85	1/4	2,386.84	1/4	2,044.84	1/4	1,702.83	1/4	1,360.83	1/4	1,023.29	1/4	691.28	1/4	349.28	1/4	19.96	1/4	
1/2	2,721.72	1/2	2,379.72	1/2	2,037.71	1/2	1,695.71	1/2	1,353.70	1/2	1,016.47	1/2	684.15	1/2	342.16	1/2	16.40	1/2	
3/4	2,714.60	3/4	2,372.59	3/4	2,030.59	3/4	1,688.58	3/4	1,346.58	3/4	1,009.65	3/4	677.03	3/4	335.04	3/4	12.84	3/4	
1	2,707.47	1	2,365.47	1	2,023.46	1	1,681.46	1	1,339.45	1	1,002.83	1	669.90	1	327.91	1	9.27	1	
1/4	2,700.35	1/4	2,358.34	1/4	2,016.34	1/4	1,674.33	1/4	1,332.33	1/4	996.02	1/4	662.78	1/4	320.79	1/4	7.49	1/4	
1/2	2,693.22	1/2	2,351.22	1/2	2,009.21	1/2	1,667.21	1/2	1,325.20	1/2	989.20	1/2	655.65	1/2	313.66	1/2	5.71	1/2	
3/4	2,686.10	3/4	2,344.09	3/4	2,002.09	3/4	1,660.08	3/4	1,318.08	3/4	982.38	3/4	648.53	3/4	306.54	3/4	3.93	3/4	
2	2,678.97	2	2,336.97	2	1,994.96	2	1,652.96	2	1,310.95	2	975.56	2	641.40	2	299.41	2	2.15	2	
1/4	2,671.85	1/4	2,329.84	1/4	1,987.84	1/4	1,645.83	1/4	1,303.83	1/4	968.74	1/4	634.28	1/4	292.29	1/4		1/4	
1/2	2,664.72	1/2	2,322.72	1/2	1,980.71	1/2	1,638.71	1/2	1,296.70	1/2	961.92	1/2	627.15	1/2	285.16	1/2		1/2	
3/4	2,657.60	3/4	2,315.59	3/4	1,973.59	3/4	1,631.58	3/4	1,289.58	3/4	955.10	3/4	620.03	3/4	278.04	3/4		3/4	
3	2,650.47	3	2,308.47	3	1,966.46	3	1,624.46	3	1,282.45	3	948.29	3	612.90	3	270.91	3		3	
1/4	2,643.35	1/4	2,301.34	1/4	1,959.34	1/4	1,617.33	1/4	1,275.33	1/4	941.47	1/4	605.78	1/4	263.79	1/4		1/4	
1/2	2,636.22	1/2	2,294.22	1/2	1,952.21	1/2	1,610.21	1/2	1,268.20	1/2	934.65	1/2	598.65	1/2	256.66	1/2		1/2	
3/4	2,629.10	3/4	2,287.09	3/4	1,945.09	3/4	1,603.08	3/4	1,261.08	3/4	927.83	3/4	591.53	3/4	249.54	3/4		3/4	
4	2,621.97	4	2,279.97	4	1,937.96	4	1,595.96	4	1,253.95	4	921.01	4	584.40	4	242.41	4		4	
1/4	2,614.85	1/4	2,272.84	1/4	1,930.84	1/4	1,588.83	1/4	1,246.83	1/4	914.19	1/4	577.28	1/4	235.29	1/4		1/4	
1/2	2,607.72	1/2	2,265.72	1/2	1,923.71	1/2	1,581.71	1/2	1,239.70	1/2	907.37	1/2	570.15	1/2	228.16	1/2		1/2	
3/4	2,600.60	3/4	2,258.59	3/4	1,916.59	3/4	1,574.58	3/4	1,232.58	3/4	900.56	3/4	563.03	3/4	221.04	3/4		3/4	
5	2,593.47	5	2,251.47	5	1,909.46	5	1,567.46	5	1,225.45	5	893.74	5	555.90	5	213.91	5		5	
1/4	2,586.35	1/4	2,244.34	1/4	1,902.34	1/4	1,560.33	1/4	1,218.33	1/4	886.92	1/4	548.78	1/4	206.79	1/4		1/4	
1/2	2,579.22	1/2	2,237.22	1/2	1,895.21	1/2	1,553.21	1/2	1,211.20	1/2	880.10	1/2	541.65	1/2	199.66	1/2		1/2	
3/4	2,572.10	3/4	2,230.09	3/4	1,888.09	3/4	1,546.08	3/4	1,204.08	3/4	873.28	3/4	534.53	3/4	192.54	3/4		3/4	
6	2,564.97	6	2,222.97	6	1,880.96	6	1,538.96	6	1,196.95	6	866.46	6	527.40	6	185.41	6		6	
1/4	2,557.85	1/4	2,215.84	1/4	1,873.84	1/4	1,531.83	1/4	1,189.83	1/4	859.64	1/4	520.28	1/4	178.29	1/4		1/4	
1/2	2,550.72	1/2	2,208.72	1/2	1,866.71	1/2	1,524.71	1/2	1,182.70	1/2	852.82	1/2	513.16	1/2	171.16	1/2		1/2	
3/4	2,543.60	3/4	2,201.59	3/4	1,859.59	3/4	1,517.58	3/4	1,175.58	3/4	846.00	3/4	506.03	3/4	164.04	3/4		3/4	
7	2,536.47	7	2,194.47	7	1,852.46	7	1,510.46	7	1,168.45	7	839.17	7	498.91	7	156.92	7		7	
1/4	2,529.35	1/4	2,187.34	1/4	1,845.34	1/4	1,503.33	1/4	1,161.33	1/4	832.34	1/4	491.78	1/4	149.79	1/4		1/4	
1/2	2,522.22	1/2	2,180.22	1/2	1,838.21	1/2	1,496.21	1/2	1,154.20	1/2	825.50	1/2	484.66	1/2	142.67	1/2		1/2	
3/4	2,515.10	3/4	2,173.09	3/4	1,831.09	3/4	1,489.08	3/4	1,147.08	3/4	818.67	3/4	477.53	3/4	135.54	3/4		3/4	
8	2,507.97	8	2,165.97	8	1,823.96	8	1,481.96	8	1,139.95	8	811.83	8	470.41	8	128.42	8		8	
1/4	2,500.85	1/4	2,158.84	1/4	1,816.84	1/4	1,474.83	1/4	1,132.97	1/4	804.85	1/4	463.28	1/4	121.30	1/4		1/4	
1/2	2,493.72	1/2	2,151.72	1/2	1,809.71	1/2	1,467.71	1/2	1,125.98	1/2	797.87	1/2	456.16	1/2	114.18	1/2		1/2	
3/4	2,486.60	3/4	2,144.59	3/4	1,802.59	3/4	1,460.58	3/4	1,119.00	3/4	790.88	3/4	449.03	3/4	107.06	3/4		3/4	
9	2,479.47	9	2,137.47	9	1,795.46	9	1,453.46	9	1,112.01	9	783.90	9	441.91	9	99.94	9		9	
1/4	2,472.34	1/4	2,130.34	1/4	1,788.34	1/4	1,446.33	1/4	1,105.18	1/4	776.77	1/4	434.78	1/4	92.84	1/4		1/4	
1/2	2,465.22	1/2	2,123.21	1/2	1,781.21	1/2	1,439.21	1/2	1,098.34	1/2	769.65	1/2	427.66	1/2	85.74	1/2		1/2	
3/4	2,458.09	3/4	2,116.09	3/4	1,774.09	3/4	1,432.08	3/4	1,091.51	3/4	762.52	3/4	420.53	3/4	78.64	3/4		3/4	
10	2,450.97	10	2,108.96	10	1,766.96	10	1,424.96	10	1,084.67	10	755.40	10	413.41	10	71.54	10		10	
1/4	2,443.84	1/4	2,101.84	1/4	1,759.83	1/4	1,417.83	1/4	1,077.85	1/4	748.27	1/4	406.28	1/4	64.88	1/4		1/4	
1/2	2,436.72	1/2	2,094.71	1/2	1,752.71	1/2	1,410.70	1/2	1,071.03	1/2	741.15	1/2	399.16	1/2	58.22	1/2		1/2	
3/4	2,429.59	3/4	2,087.59	3/4	1,745.58	3/4	1,403.58	3/4	1,064.21	3/4	734.02	3/4	392.03	3/4	51.56	3/4		3/4	
11	2,422.47	11	2,080.46	11	1,738.46	11	1,396.45	11	1,057.38	11	726.90	11	384.91	11	44.89	11		11	
1/4	2,415.34	1/4	2,073.34	1/4	1,731.33	1/4	1,389.33	1/4	1,050.56	1/4	719.77	1/4	377.78	1/4	39.55	1/4		1/4	
1/2	2,408.22	1/2	2,066.21	1/2	1,724.21	1/2	1,382.20	1/2	1,043.75	1/2	712.65	1/2	370.66	1/2	34.21	1/2		1/2	
3/4	2,401.09	3/4	2,059.09	3/4	1,717.08	3/4	1,375.08	3/4	1,036.93	3/4	705.52	3/4	363.53	3/4	28.87	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/25/2020 CL  
CALCULATED: 08/26/2020 CL  
PRINTED: 08/26/2020 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2020



**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**2 STBD**  
**ULLAGE TABLE**

**10" HATCH**  
**GAUGE HEIGHT 18'-02"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	5,113.52	0	4,827.50	0	4,485.07	0	4,141.79	0	3,797.79	0	3,453.86	0	3,109.96
1/4		1/4		1/4		1/4	5,111.51	1/4	4,820.36	1/4	4,477.93	1/4	4,134.63	1/4	3,790.62	1/4	3,446.70	1/4	3,102.79
1/2		1/2		1/2		1/2	5,109.50	1/2	4,813.23	1/2	4,470.80	1/2	4,127.46	1/2	3,783.46	1/2	3,439.53	1/2	3,095.63
3/4		3/4		3/4		3/4	5,107.49	3/4	4,806.09	3/4	4,463.67	3/4	4,120.29	3/4	3,776.29	3/4	3,432.37	3/4	3,088.46
1		1		1		1	5,105.47	1	4,798.96	1	4,456.53	1	4,113.13	1	3,769.12	1	3,425.20	1	3,081.30
1/4		1/4		1/4		1/4	5,102.27	1/4	4,791.83	1/4	4,449.40	1/4	4,105.96	1/4	3,761.96	1/4	3,418.04	1/4	3,074.14
1/2		1/2		1/2		1/2	5,099.06	1/2	4,784.69	1/2	4,442.26	1/2	4,098.79	1/2	3,754.79	1/2	3,410.87	1/2	3,066.97
3/4		3/4		3/4		3/4	5,095.85	3/4	4,777.56	3/4	4,435.13	3/4	4,091.63	3/4	3,747.62	3/4	3,403.71	3/4	3,059.81
2		2		2		2	5,092.65	2	4,770.42	2	4,428.00	2	4,084.46	2	3,740.46	2	3,396.54	2	3,052.65
1/4		1/4		1/4		1/4	5,088.24	1/4	4,763.29	1/4	4,420.86	1/4	4,077.29	1/4	3,733.29	1/4	3,389.38	1/4	3,045.48
1/2		1/2		1/2		1/2	5,083.84	1/2	4,756.16	1/2	4,413.73	1/2	4,070.13	1/2	3,726.12	1/2	3,382.22	1/2	3,038.32
3/4		3/4		3/4		3/4	5,079.44	3/4	4,749.02	3/4	4,406.60	3/4	4,062.96	3/4	3,718.96	3/4	3,375.05	3/4	3,031.15
3		3		3		3	5,075.04	3	4,741.89	3	4,399.46	3	4,055.79	3	3,711.79	3	3,367.89	3	3,023.98
1/4		1/4		1/4		1/4	5,069.44	1/4	4,734.75	1/4	4,392.33	1/4	4,048.63	1/4	3,704.63	1/4	3,360.72	1/4	3,016.81
1/2		1/2		1/2		1/2	5,063.85	1/2	4,727.62	1/2	4,385.19	1/2	4,041.46	1/2	3,697.46	1/2	3,353.56	1/2	3,009.65
3/4		3/4		3/4		3/4	5,058.25	3/4	4,720.49	3/4	4,378.06	3/4	4,034.29	3/4	3,690.30	3/4	3,346.39	3/4	3,002.48
4		4		4		4	5,052.66	4	4,713.35	4	4,370.93	4	4,027.13	4	3,683.13	4	3,339.23	4	2,995.31
1/4		1/4		1/4		1/4	5,046.05	1/4	4,706.22	1/4	4,363.79	1/4	4,019.96	1/4	3,675.97	1/4	3,332.06	1/4	2,988.15
1/2		1/2		1/2		1/2	5,039.44	1/2	4,699.09	1/2	4,356.66	1/2	4,012.79	1/2	3,668.80	1/2	3,324.90	1/2	2,980.98
3/4		3/4		3/4		3/4	5,032.84	3/4	4,691.95	3/4	4,349.52	3/4	4,005.63	3/4	3,661.64	3/4	3,317.73	3/4	2,973.81
5		5		5		5	5,026.23	5	4,684.82	5	4,342.39	5	3,998.46	5	3,654.47	5	3,310.57	5	2,966.65
1/4		1/4		1/4		1/4	5,019.18	1/4	4,677.68	1/4	4,335.24	1/4	3,991.29	1/4	3,647.31	1/4	3,303.40	1/4	2,959.48
1/2		1/2		1/2		1/2	5,012.14	1/2	4,670.55	1/2	4,328.09	1/2	3,984.13	1/2	3,640.14	1/2	3,296.24	1/2	2,952.31
3/4		3/4		3/4		3/4	5,005.09	3/4	4,663.42	3/4	4,320.94	3/4	3,976.96	3/4	3,632.98	3/4	3,289.07	3/4	2,945.15
6		6		6		6	4,998.04	6	4,656.28	6	4,313.79	6	3,969.79	6	3,625.81	6	3,281.91	6	2,937.98
1/4		1/4		1/4		1/4	4,990.96	1/4	4,649.15	1/4	4,306.63	1/4	3,962.62	1/4	3,618.65	1/4	3,274.74	1/4	2,930.81
1/2		1/2		1/2		1/2	4,983.88	1/2	4,642.01	1/2	4,299.46	1/2	3,955.46	1/2	3,611.49	1/2	3,267.58	1/2	2,923.65
3/4		3/4		3/4		3/4	4,976.80	3/4	4,634.88	3/4	4,292.29	3/4	3,948.29	3/4	3,604.32	3/4	3,260.42	3/4	2,916.48
7		7		7		7	4,969.72	7	4,627.75	7	4,285.13	7	3,941.12	7	3,597.16	7	3,253.25	7	2,909.31
1/4		1/4		1/4		1/4	4,962.63	1/4	4,620.61	1/4	4,277.96	1/4	3,933.96	1/4	3,589.99	1/4	3,246.09	1/4	2,902.15
1/2		1/2		1/2		1/2	4,955.54	1/2	4,613.48	1/2	4,270.79	1/2	3,926.79	1/2	3,582.83	1/2	3,238.92	1/2	2,894.98
3/4		3/4		3/4		3/4	4,948.46	3/4	4,606.34	3/4	4,263.63	3/4	3,919.62	3/4	3,575.66	3/4	3,231.76	3/4	2,887.81
8		8		8		8	4,941.37	8	4,599.21	8	4,256.46	8	3,912.46	8	3,568.50	8	3,224.59	8	2,880.65
1/4		1/4		1/4		1/4	4,934.28	1/4	4,592.08	1/4	4,249.29	1/4	3,905.29	1/4	3,561.33	1/4	3,217.43	1/4	2,873.48
1/2		1/2		1/2		1/2	4,927.19	1/2	4,584.94	1/2	4,242.13	1/2	3,898.12	1/2	3,554.17	1/2	3,210.26	1/2	2,866.31
3/4		3/4		3/4		3/4	4,920.10	3/4	4,577.81	3/4	4,234.96	3/4	3,890.96	3/4	3,547.00	3/4	3,203.10	3/4	2,859.15
9		9		9		9	4,913.01	9	4,570.67	9	4,227.79	9	3,883.79	9	3,539.84	9	3,195.93	9	2,851.98
1/4		1/4		1/4		1/4	4,905.90	1/4	4,563.54	1/4	4,220.63	1/4	3,876.62	1/4	3,532.67	1/4	3,188.77	1/4	2,844.81
1/2		1/2		1/2		1/2	4,898.79	1/2	4,556.41	1/2	4,213.46	1/2	3,869.46	1/2	3,525.51	1/2	3,181.60	1/2	2,837.65
3/4		3/4		3/4		3/4	4,891.68	3/4	4,549.27	3/4	4,206.29	3/4	3,862.29	3/4	3,518.34	3/4	3,174.44	3/4	2,830.48
10		10		10		10	4,884.57	10	4,542.14	10	4,199.13	10	3,855.12	10	3,511.18	10	3,167.27	10	2,823.31
1/4		1/4		1/4		1/4	4,877.43	1/4	4,535.01	1/4	4,191.96	1/4	3,847.96	1/4	3,504.01	1/4	3,160.11	1/4	2,816.15
1/2		1/2		1/2		1/2	4,870.30	1/2	4,527.87	1/2	4,184.79	1/2	3,840.79	1/2	3,496.85	1/2	3,152.94	1/2	2,808.98
3/4		3/4		3/4		3/4	4,863.16	3/4	4,520.74	3/4	4,177.63	3/4	3,833.62	3/4	3,489.69	3/4	3,145.78	3/4	2,801.81
11		11		11	5,117.25	11	4,856.03	11	4,513.60	11	4,170.46	11	3,826.46	11	3,482.52	11	3,138.62	11	2,794.65
1/4		1/4		1/4	5,116.32	1/4	4,848.90	1/4	4,506.47	1/4	4,163.29	1/4	3,819.29	1/4	3,475.36	1/4	3,131.45	1/4	2,787.48
1/2		1/2		1/2	5,115.39	1/2	4,841.76	1/2	4,499.34	1/2	4,156.13	1/2	3,812.12	1/2	3,468.19	1/2	3,124.29	1/2	2,780.31
3/4		3/4		3/4	5,114.45	3/4	4,834.63	3/4	4,492.20	3/4	4,148.96	3/4	3,804.96	3/4	3,461.03	3/4	3,117.12	3/4	2,773.15

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.  
GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**2 STBD**  
**ULLAGE TABLE**  
**10" HATCH**  
**GAUGE HEIGHT 18'-02"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,765.98	0	2,421.98	0	2,077.98	0	1,733.98	0	1,389.97	0	1,046.08	0	702.48	0	358.49	0	23.66	0	
1/4	2,758.81	1/4	2,414.81	1/4	2,070.81	1/4	1,726.81	1/4	1,382.81	1/4	1,038.93	1/4	695.31	1/4	351.32	1/4	20.08	1/4	
1/2	2,751.65	1/2	2,407.65	1/2	2,063.64	1/2	1,719.64	1/2	1,375.64	1/2	1,031.78	1/2	688.14	1/2	344.16	1/2	16.49	1/2	
3/4	2,744.48	3/4	2,400.48	3/4	2,056.48	3/4	1,712.48	3/4	1,368.47	3/4	1,024.62	3/4	680.98	3/4	336.99	3/4	12.91	3/4	
1	2,737.31	1	2,393.31	1	2,049.31	1	1,705.31	1	1,361.31	1	1,017.47	1	673.81	1	329.82	1	9.33	1	
1/4	2,730.15	1/4	2,386.15	1/4	2,042.14	1/4	1,698.14	1/4	1,354.14	1/4	1,010.32	1/4	666.64	1/4	322.66	1/4	7.53	1/4	
1/2	2,722.98	1/2	2,378.98	1/2	2,034.98	1/2	1,690.98	1/2	1,346.97	1/2	1,003.17	1/2	659.48	1/2	315.49	1/2	5.74	1/2	
3/4	2,715.81	3/4	2,371.81	3/4	2,027.81	3/4	1,683.81	3/4	1,339.81	3/4	996.01	3/4	652.31	3/4	308.32	3/4	3.95	3/4	
2	2,708.65	2	2,364.65	2	2,020.64	2	1,676.64	2	1,332.64	2	988.86	2	645.15	2	301.16	2	2.16	2	
1/4	2,701.48	1/4	2,357.48	1/4	2,013.48	1/4	1,669.48	1/4	1,325.47	1/4	981.71	1/4	637.98	1/4	293.99	1/4		1/4	
1/2	2,694.31	1/2	2,350.31	1/2	2,006.31	1/2	1,662.31	1/2	1,318.31	1/2	974.55	1/2	630.81	1/2	286.83	1/2		1/2	
3/4	2,687.15	3/4	2,343.15	3/4	1,999.14	3/4	1,655.14	3/4	1,311.14	3/4	967.40	3/4	623.65	3/4	279.66	3/4		3/4	
3	2,679.98	3	2,335.98	3	1,991.98	3	1,647.98	3	1,303.97	3	960.25	3	616.48	3	272.49	3		3	
1/4	2,672.81	1/4	2,328.81	1/4	1,984.81	1/4	1,640.81	1/4	1,296.81	1/4	953.10	1/4	609.31	1/4	265.33	1/4		1/4	
1/2	2,665.65	1/2	2,321.65	1/2	1,977.64	1/2	1,633.64	1/2	1,289.64	1/2	945.94	1/2	602.15	1/2	258.16	1/2		1/2	
3/4	2,658.48	3/4	2,314.48	3/4	1,970.48	3/4	1,626.48	3/4	1,282.47	3/4	938.79	3/4	594.98	3/4	250.99	3/4		3/4	
4	2,651.31	4	2,307.31	4	1,963.31	4	1,619.31	4	1,275.31	4	931.64	4	587.81	4	243.83	4		4	
1/4	2,644.15	1/4	2,300.14	1/4	1,956.14	1/4	1,612.14	1/4	1,268.14	1/4	924.49	1/4	580.65	1/4	236.66	1/4		1/4	
1/2	2,636.98	1/2	2,292.98	1/2	1,948.98	1/2	1,604.98	1/2	1,260.97	1/2	917.33	1/2	573.48	1/2	229.49	1/2		1/2	
3/4	2,629.81	3/4	2,285.81	3/4	1,941.81	3/4	1,597.81	3/4	1,253.81	3/4	910.18	3/4	566.31	3/4	222.33	3/4		3/4	
5	2,622.65	5	2,278.64	5	1,934.64	5	1,590.64	5	1,246.64	5	903.03	5	559.15	5	215.16	5		5	
1/4	2,615.48	1/4	2,271.48	1/4	1,927.48	1/4	1,583.47	1/4	1,239.47	1/4	895.88	1/4	551.98	1/4	207.99	1/4		1/4	
1/2	2,608.31	1/2	2,264.31	1/2	1,920.31	1/2	1,576.31	1/2	1,232.31	1/2	888.73	1/2	544.82	1/2	200.83	1/2		1/2	
3/4	2,601.15	3/4	2,257.14	3/4	1,913.14	3/4	1,569.14	3/4	1,225.14	3/4	881.57	3/4	537.65	3/4	193.66	3/4		3/4	
6	2,593.98	6	2,249.98	6	1,905.98	6	1,561.97	6	1,217.97	6	874.42	6	530.48	6	186.50	6		6	
1/4	2,586.81	1/4	2,242.81	1/4	1,898.81	1/4	1,554.81	1/4	1,210.81	1/4	867.26	1/4	523.32	1/4	179.33	1/4		1/4	
1/2	2,579.65	1/2	2,235.64	1/2	1,891.64	1/2	1,547.64	1/2	1,203.64	1/2	860.11	1/2	516.15	1/2	172.16	1/2		1/2	
3/4	2,572.48	3/4	2,228.48	3/4	1,884.48	3/4	1,540.47	3/4	1,196.47	3/4	852.95	3/4	508.98	3/4	165.00	3/4		3/4	
7	2,565.31	7	2,221.31	7	1,877.31	7	1,533.31	7	1,189.31	7	845.80	7	501.82	7	157.83	7		7	
1/4	2,558.15	1/4	2,214.14	1/4	1,870.14	1/4	1,526.14	1/4	1,182.14	1/4	838.63	1/4	494.65	1/4	150.66	1/4		1/4	
1/2	2,550.98	1/2	2,206.98	1/2	1,862.98	1/2	1,518.97	1/2	1,174.97	1/2	831.47	1/2	487.48	1/2	143.50	1/2		1/2	
3/4	2,543.81	3/4	2,199.81	3/4	1,855.81	3/4	1,511.81	3/4	1,167.81	3/4	824.30	3/4	480.32	3/4	136.33	3/4		3/4	
8	2,536.65	8	2,192.64	8	1,848.64	8	1,504.64	8	1,160.64	8	817.14	8	473.15	8	129.17	8		8	
1/4	2,529.48	1/4	2,185.48	1/4	1,841.48	1/4	1,497.47	1/4	1,153.47	1/4	809.97	1/4	465.99	1/4	122.01	1/4		1/4	
1/2	2,522.31	1/2	2,178.31	1/2	1,834.31	1/2	1,490.31	1/2	1,146.31	1/2	802.81	1/2	458.82	1/2	114.85	1/2		1/2	
3/4	2,515.15	3/4	2,171.14	3/4	1,827.14	3/4	1,483.14	3/4	1,139.14	3/4	795.64	3/4	451.65	3/4	107.69	3/4		3/4	
9	2,507.98	9	2,163.98	9	1,819.98	9	1,475.97	9	1,131.97	9	788.47	9	444.49	9	100.52	9		9	
1/4	2,500.81	1/4	2,156.81	1/4	1,812.81	1/4	1,468.81	1/4	1,124.81	1/4	781.31	1/4	437.32	1/4	93.38	1/4		1/4	
1/2	2,493.65	1/2	2,149.64	1/2	1,805.64	1/2	1,461.64	1/2	1,117.65	1/2	774.14	1/2	430.15	1/2	86.24	1/2		1/2	
3/4	2,486.48	3/4	2,142.48	3/4	1,798.48	3/4	1,454.47	3/4	1,110.48	3/4	766.97	3/4	422.99	3/4	79.10	3/4		3/4	
10	2,479.31	10	2,135.31	10	1,791.31	10	1,447.31	10	1,103.32	10	759.81	10	415.82	10	71.95	10		10	
1/4	2,472.15	1/4	2,128.14	1/4	1,784.14	1/4	1,440.14	1/4	1,096.16	1/4	752.64	1/4	408.65	1/4	65.25	1/4		1/4	
1/2	2,464.98	1/2	2,120.98	1/2	1,776.98	1/2	1,432.97	1/2	1,089.00	1/2	745.47	1/2	401.49	1/2	58.55	1/2		1/2	
3/4	2,457.81	3/4	2,113.81	3/4	1,769.81	3/4	1,425.81	3/4	1,081.85	3/4	738.31	3/4	394.32	3/4	51.85	3/4		3/4	
11	2,450.65	11	2,106.64	11	1,762.64	11	1,418.64	11	1,074.69	11	731.14	11	387.15	11	45.15	11		11	
1/4	2,443.48	1/4	2,099.48	1/4	1,755.48	1/4	1,411.47	1/4	1,067.54	1/4	723.98	1/4	379.99	1/4	39.78	1/4		1/4	
1/2	2,436.31	1/2	2,092.31	1/2	1,748.31	1/2	1,404.31	1/2	1,060.39	1/2	716.81	1/2	372.82	1/2	34.41	1/2		1/2	
3/4	2,429.15	3/4	2,085.14	3/4	1,741.14	3/4	1,397.14	3/4	1,053.23	3/4	709.64	3/4	365.66	3/4	29.03	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/25/2020 CL  
CALCULATED: 08/26/2020 CL  
PRINTED: 08/26/2020 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2020

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>





**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**3 PORT**  
**ULLAGE TABLE**

**10" HATCH**  
**GAUGE HEIGHT 18'-01 1/4"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,391.93	0	4,214.53	0	4,005.62	0	3,796.15	0	3,586.32	0	3,377.10	0	3,055.55
1/4		1/4		1/4		1/4	4,390.22	1/4	4,210.18	1/4	4,001.27	1/4	3,791.78	1/4	3,581.95	1/4	3,372.76	1/4	3,048.44
1/2		1/2		1/2		1/2	4,388.51	1/2	4,205.83	1/2	3,996.91	1/2	3,787.41	1/2	3,577.58	1/2	3,368.42	1/2	3,041.32
3/4		3/4		3/4		3/4	4,386.81	3/4	4,201.48	3/4	3,992.56	3/4	3,783.04	3/4	3,573.21	3/4	3,364.08	3/4	3,034.19
1		1		1		1	4,385.10	1	4,197.12	1	3,988.21	1	3,778.67	1	3,568.84	1	3,359.74	1	3,027.07
1/4		1/4		1/4		1/4	4,383.39	1/4	4,192.77	1/4	3,983.86	1/4	3,774.30	1/4	3,564.46	1/4	3,355.41	1/4	3,019.95
1/2		1/2		1/2		1/2	4,381.41	1/2	4,188.42	1/2	3,979.50	1/2	3,769.93	1/2	3,560.09	1/2	3,349.69	1/2	3,012.82
3/4		3/4		3/4		3/4	4,379.44	3/4	4,184.07	3/4	3,975.15	3/4	3,765.55	3/4	3,555.72	3/4	3,343.97	3/4	3,005.69
2		2		2		2	4,377.46	2	4,179.72	2	3,970.80	2	3,761.18	2	3,551.35	2	3,338.25	2	2,998.56
1/4		1/4		1/4		1/4	4,375.49	1/4	4,175.36	1/4	3,966.45	1/4	3,756.81	1/4	3,546.98	1/4	3,332.53	1/4	2,991.42
1/2		1/2		1/2		1/2	4,372.65	1/2	4,171.01	1/2	3,962.10	1/2	3,752.44	1/2	3,542.62	1/2	3,325.43	1/2	2,984.29
3/4		3/4		3/4		3/4	4,369.81	3/4	4,166.66	3/4	3,957.74	3/4	3,748.07	3/4	3,538.25	3/4	3,318.33	3/4	2,977.16
3		3		3		3	4,366.97	3	4,162.31	3	3,953.39	3	3,743.70	3	3,533.89	3	3,311.24	3	2,970.03
1/4		1/4		1/4		1/4	4,364.13	1/4	4,157.95	1/4	3,949.04	1/4	3,739.32	1/4	3,529.52	1/4	3,304.14	1/4	2,962.90
1/2		1/2		1/2		1/2	4,360.29	1/2	4,153.60	1/2	3,944.69	1/2	3,734.95	1/2	3,525.17	1/2	3,297.04	1/2	2,955.77
3/4		3/4		3/4		3/4	4,356.44	3/4	4,149.25	3/4	3,940.33	3/4	3,730.58	3/4	3,520.81	3/4	3,289.94	3/4	2,948.64
4		4		4		4	4,352.60	4	4,144.90	4	3,935.98	4	3,726.21	4	3,516.46	4	3,282.84	4	2,941.51
1/4		1/4		1/4		1/4	4,348.75	1/4	4,140.54	1/4	3,931.63	1/4	3,721.84	1/4	3,512.10	1/4	3,275.74	1/4	2,934.38
1/2		1/2		1/2		1/2	4,344.47	1/2	4,136.19	1/2	3,927.27	1/2	3,717.47	1/2	3,507.75	1/2	3,268.64	1/2	2,927.25
3/4		3/4		3/4		3/4	4,340.19	3/4	4,131.84	3/4	3,922.91	3/4	3,713.10	3/4	3,503.39	3/4	3,261.54	3/4	2,920.13
5		5		5		5	4,335.90	5	4,127.49	5	3,918.55	5	3,708.72	5	3,499.03	5	3,254.44	5	2,913.00
1/4		1/4		1/4		1/4	4,331.62	1/4	4,123.13	1/4	3,914.18	1/4	3,704.35	1/4	3,494.68	1/4	3,247.35	1/4	2,905.88
1/2		1/2		1/2		1/2	4,327.30	1/2	4,118.78	1/2	3,909.81	1/2	3,699.98	1/2	3,490.32	1/2	3,240.25	1/2	2,898.76
3/4		3/4		3/4		3/4	4,322.99	3/4	4,114.43	3/4	3,905.44	3/4	3,695.61	3/4	3,485.97	3/4	3,233.15	3/4	2,891.64
6		6		6		6	4,318.67	6	4,110.08	6	3,901.07	6	3,691.24	6	3,481.61	6	3,226.05	6	2,884.52
1/4		1/4		1/4		1/4	4,314.35	1/4	4,105.72	1/4	3,896.70	1/4	3,686.87	1/4	3,477.26	1/4	3,218.96	1/4	2,877.40
1/2		1/2		1/2		1/2	4,310.03	1/2	4,101.37	1/2	3,892.33	1/2	3,682.50	1/2	3,472.90	1/2	3,211.86	1/2	2,870.28
3/4		3/4		3/4		3/4	4,305.71	3/4	4,097.02	3/4	3,887.96	3/4	3,678.12	3/4	3,468.54	3/4	3,204.76	3/4	2,863.16
7		7		7		7	4,301.39	7	4,092.67	7	3,883.58	7	3,673.75	7	3,464.19	7	3,197.66	7	2,856.05
1/4		1/4		1/4		1/4	4,297.06	1/4	4,088.31	1/4	3,879.21	1/4	3,669.38	1/4	3,459.83	1/4	3,190.56	1/4	2,848.93
1/2		1/2		1/2		1/2	4,292.74	1/2	4,083.96	1/2	3,874.84	1/2	3,665.01	1/2	3,455.48	1/2	3,183.47	1/2	2,841.81
3/4		3/4		3/4		3/4	4,288.41	3/4	4,079.61	3/4	3,870.47	3/4	3,660.64	3/4	3,451.12	3/4	3,176.37	3/4	2,834.69
8		8		8		8	4,284.09	8	4,075.26	8	3,866.10	8	3,656.27	8	3,446.77	8	3,169.27	8	2,827.57
1/4		1/4		1/4		1/4	4,279.76	1/4	4,070.91	1/4	3,861.73	1/4	3,651.89	1/4	3,442.41	1/4	3,162.17	1/4	2,820.45
1/2		1/2		1/2		1/2	4,275.42	1/2	4,066.55	1/2	3,857.36	1/2	3,647.52	1/2	3,438.06	1/2	3,155.08	1/2	2,813.33
3/4		3/4		3/4		3/4	4,271.09	3/4	4,062.20	3/4	3,852.98	3/4	3,643.15	3/4	3,433.70	3/4	3,147.98	3/4	2,806.21
9		9		9		9	4,266.75	9	4,057.85	9	3,848.61	9	3,638.78	9	3,429.34	9	3,140.88	9	2,799.09
1/4		1/4		1/4		1/4	4,262.41	1/4	4,053.50	1/4	3,844.24	1/4	3,634.41	1/4	3,424.99	1/4	3,133.78	1/4	2,791.97
1/2		1/2		1/2		1/2	4,258.06	1/2	4,049.14	1/2	3,839.87	1/2	3,630.04	1/2	3,420.63	1/2	3,126.68	1/2	2,784.85
3/4		3/4		3/4		3/4	4,253.71	3/4	4,044.79	3/4	3,835.50	3/4	3,625.67	3/4	3,416.28	3/4	3,119.57	3/4	2,777.74
10		10		10		10	4,249.35	10	4,040.44	10	3,831.13	10	3,621.29	10	3,411.92	10	3,112.47	10	2,770.62
1/4		1/4		1/4	4,401.36	1/4	4,245.00	1/4	4,036.09	1/4	3,826.75	1/4	3,616.92	1/4	3,407.57	1/4	3,105.36	1/4	2,763.50
1/2		1/2		1/2	4,400.28	1/2	4,240.65	1/2	4,031.73	1/2	3,822.38	1/2	3,612.55	1/2	3,403.21	1/2	3,098.24	1/2	2,756.38
3/4		3/4		3/4	4,399.21	3/4	4,236.30	3/4	4,027.38	3/4	3,818.01	3/4	3,608.18	3/4	3,398.85	3/4	3,091.13	3/4	2,749.26
11		11		11	4,398.13	11	4,231.94	11	4,023.03	11	3,813.64	11	3,603.81	11	3,394.50	11	3,084.01	11	2,742.14
1/4		1/4		1/4	4,397.05	1/4	4,227.59	1/4	4,018.68	1/4	3,809.27	1/4	3,599.44	1/4	3,390.14	1/4	3,076.90	1/4	2,735.02
1/2		1/2		1/2	4,395.35	1/2	4,223.24	1/2	4,014.32	1/2	3,804.90	1/2	3,595.07	1/2	3,385.80	1/2	3,069.78	1/2	2,727.90
3/4		3/4		3/4	4,393.64	3/4	4,218.89	3/4	4,009.97	3/4	3,800.53	3/4	3,590.69	3/4	3,381.45	3/4	3,062.67	3/4	2,720.78

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.  
GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 82'-08" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**3 PORT**  
**ULLAGE TABLE**  
**10" HATCH**  
**GAUGE HEIGHT 18'-01 1/4"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,713.66	0	2,371.94	0	2,030.18	0	1,688.42	0	1,346.66	0	1,009.82	0	677.30	0	335.42	0	12.85	0	
1/4	2,706.54	1/4	2,364.82	1/4	2,023.06	1/4	1,681.30	1/4	1,339.54	1/4	1,003.01	1/4	670.17	1/4	328.28	1/4	9.29	1/4	
1/2	2,699.43	1/2	2,357.70	1/2	2,015.94	1/2	1,674.18	1/2	1,332.42	1/2	996.20	1/2	663.05	1/2	321.15	1/2	7.50	1/2	
3/4	2,692.31	3/4	2,350.58	3/4	2,008.82	3/4	1,667.06	3/4	1,325.30	3/4	989.39	3/4	655.93	3/4	314.02	3/4	5.72	3/4	
1	2,685.19	1	2,343.46	1	2,001.70	1	1,659.94	1	1,318.18	1	982.58	1	648.81	1	306.88	1	3.94	1	
1/4	2,678.07	1/4	2,336.34	1/4	1,994.58	1/4	1,652.82	1/4	1,311.06	1/4	975.77	1/4	641.69	1/4	299.75	1/4	2.15	1/4	
1/2	2,670.95	1/2	2,329.22	1/2	1,987.46	1/2	1,645.70	1/2	1,303.94	1/2	968.96	1/2	634.57	1/2	292.62	1/2		1/2	
3/4	2,663.83	3/4	2,322.10	3/4	1,980.34	3/4	1,638.58	3/4	1,296.82	3/4	962.15	3/4	627.45	3/4	285.49	3/4		3/4	
2	2,656.71	2	2,314.98	2	1,973.22	2	1,631.46	2	1,289.70	2	955.34	2	620.33	2	278.35	2		2	
1/4	2,649.59	1/4	2,307.86	1/4	1,966.10	1/4	1,624.34	1/4	1,282.58	1/4	948.53	1/4	613.20	1/4	271.22	1/4		1/4	
1/2	2,642.47	1/2	2,300.74	1/2	1,958.98	1/2	1,617.22	1/2	1,275.46	1/2	941.72	1/2	606.08	1/2	264.09	1/2		1/2	
3/4	2,635.35	3/4	2,293.62	3/4	1,951.86	3/4	1,610.10	3/4	1,268.34	3/4	934.91	3/4	598.96	3/4	256.95	3/4		3/4	
3	2,628.23	3	2,286.50	3	1,944.74	3	1,602.98	3	1,261.22	3	928.10	3	591.84	3	249.82	3		3	
1/4	2,621.12	1/4	2,279.38	1/4	1,937.62	1/4	1,595.86	1/4	1,254.10	1/4	921.29	1/4	584.72	1/4	242.69	1/4		1/4	
1/2	2,614.00	1/2	2,272.26	1/2	1,930.50	1/2	1,588.74	1/2	1,246.98	1/2	914.48	1/2	577.60	1/2	235.56	1/2		1/2	
3/4	2,606.88	3/4	2,265.14	3/4	1,923.38	3/4	1,581.62	3/4	1,239.86	3/4	907.67	3/4	570.48	3/4	228.42	3/4		3/4	
4	2,599.76	4	2,258.02	4	1,916.26	4	1,574.50	4	1,232.74	4	900.86	4	563.35	4	221.29	4		4	
1/4	2,592.64	1/4	2,250.90	1/4	1,909.14	1/4	1,567.38	1/4	1,225.62	1/4	894.05	1/4	556.23	1/4	214.16	1/4		1/4	
1/2	2,585.52	1/2	2,243.78	1/2	1,902.02	1/2	1,560.26	1/2	1,218.50	1/2	887.24	1/2	549.11	1/2	207.02	1/2		1/2	
3/4	2,578.40	3/4	2,236.66	3/4	1,894.90	3/4	1,553.14	3/4	1,211.38	3/4	880.43	3/4	541.99	3/4	199.89	3/4		3/4	
5	2,571.28	5	2,229.54	5	1,887.78	5	1,546.02	5	1,204.26	5	873.62	5	534.87	5	192.76	5		5	
1/4	2,564.16	1/4	2,222.42	1/4	1,880.66	1/4	1,538.90	1/4	1,197.14	1/4	866.81	1/4	527.75	1/4	185.63	1/4		1/4	
1/2	2,557.04	1/2	2,215.30	1/2	1,873.54	1/2	1,531.78	1/2	1,190.02	1/2	859.99	1/2	520.63	1/2	178.49	1/2		1/2	
3/4	2,549.92	3/4	2,208.18	3/4	1,866.42	3/4	1,524.66	3/4	1,182.90	3/4	853.18	3/4	513.51	3/4	171.36	3/4		3/4	
6	2,542.81	6	2,201.06	6	1,859.30	6	1,517.54	6	1,175.78	6	846.36	6	506.38	6	164.23	6		6	
1/4	2,535.69	1/4	2,193.94	1/4	1,852.18	1/4	1,510.42	1/4	1,168.66	1/4	839.55	1/4	499.26	1/4	157.09	1/4		1/4	
1/2	2,528.57	1/2	2,186.82	1/2	1,845.06	1/2	1,503.30	1/2	1,161.54	1/2	832.69	1/2	492.14	1/2	149.96	1/2		1/2	
3/4	2,521.45	3/4	2,179.70	3/4	1,837.94	3/4	1,496.18	3/4	1,154.42	3/4	825.84	3/4	485.02	3/4	142.83	3/4		3/4	
7	2,514.33	7	2,172.58	7	1,830.82	7	1,489.06	7	1,147.30	7	818.99	7	477.90	7	135.70	7		7	
1/4	2,507.21	1/4	2,165.46	1/4	1,823.70	1/4	1,481.94	1/4	1,140.18	1/4	812.13	1/4	470.78	1/4	128.56	1/4		1/4	
1/2	2,500.09	1/2	2,158.34	1/2	1,816.58	1/2	1,474.82	1/2	1,133.18	1/2	805.13	1/2	463.66	1/2	121.44	1/2		1/2	
3/4	2,492.98	3/4	2,151.22	3/4	1,809.46	3/4	1,467.70	3/4	1,126.18	3/4	798.12	3/4	456.54	3/4	114.31	3/4		3/4	
8	2,485.86	8	2,144.10	8	1,802.34	8	1,460.58	8	1,119.17	8	791.12	8	449.41	8	107.18	8		8	
1/4	2,478.74	1/4	2,136.98	1/4	1,795.22	1/4	1,453.46	1/4	1,112.17	1/4	784.12	1/4	442.29	1/4	100.06	1/4		1/4	
1/2	2,471.62	1/2	2,129.86	1/2	1,788.10	1/2	1,446.34	1/2	1,105.31	1/2	776.99	1/2	435.17	1/2	92.95	1/2		1/2	
3/4	2,464.50	3/4	2,122.74	3/4	1,780.98	3/4	1,439.22	3/4	1,098.46	3/4	769.87	3/4	428.05	3/4	85.84	3/4		3/4	
9	2,457.38	9	2,115.62	9	1,773.86	9	1,432.10	9	1,091.61	9	762.75	9	420.93	9	78.73	9		9	
1/4	2,450.26	1/4	2,108.50	1/4	1,766.74	1/4	1,424.98	1/4	1,084.75	1/4	755.63	1/4	413.81	1/4	71.62	1/4		1/4	
1/2	2,443.14	1/2	2,101.38	1/2	1,759.62	1/2	1,417.86	1/2	1,077.94	1/2	748.51	1/2	406.69	1/2	64.55	1/2		1/2	
3/4	2,436.02	3/4	2,094.26	3/4	1,752.50	3/4	1,410.74	3/4	1,071.12	3/4	741.39	3/4	399.57	3/4	58.28	3/4		3/4	
10	2,428.90	10	2,087.14	10	1,745.38	10	1,403.62	10	1,064.31	10	734.27	10	392.44	10	51.61	10		10	
1/4	2,421.78	1/4	2,080.02	1/4	1,738.26	1/4	1,396.50	1/4	1,057.49	1/4	727.14	1/4	385.32	1/4	44.95	1/4		1/4	
1/2	2,414.66	1/2	2,072.90	1/2	1,731.14	1/2	1,389.38	1/2	1,050.68	1/2	720.02	1/2	378.20	1/2	39.60	1/2		1/2	
3/4	2,407.54	3/4	2,065.78	3/4	1,724.02	3/4	1,382.26	3/4	1,043.87	3/4	712.90	3/4	371.07	3/4	34.25	3/4		3/4	
11	2,400.42	11	2,058.66	11	1,716.90	11	1,375.14	11	1,037.06	11	705.78	11	363.94	11	28.90	11		11	
1/4	2,393.30	1/4	2,051.54	1/4	1,709.78	1/4	1,368.02	1/4	1,030.25	1/4	698.66	1/4	356.81	1/4	23.55	1/4		1/4	
1/2	2,386.18	1/2	2,044.42	1/2	1,702.66	1/2	1,360.90	1/2	1,023.44	1/2	691.54	1/2	349.68	1/2	19.98	1/2		1/2	
3/4	2,379.06	3/4	2,037.30	3/4	1,695.54	3/4	1,353.78	3/4	1,016.63	3/4	684.42	3/4	342.55	3/4	16.42	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/25/2020 CL  
CALCULATED: 08/26/2020 CL  
PRINTED: 08/26/2020 JS

PRECISION MEASUREMENT  
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CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2020



**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**3 STBD**  
**ULLAGE TABLE**

**10" HATCH**  
**GAUGE HEIGHT 18'-02 1/4"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,416.23	0	4,249.93	0	4,040.89	0	3,831.37	0	3,621.41	0	3,411.46	0	3,100.96
1/4		1/4		1/4		1/4	4,415.15	1/4	4,245.57	1/4	4,036.53	1/4	3,826.99	1/4	3,617.04	1/4	3,407.08	1/4	3,093.84
1/2		1/2		1/2		1/2	4,413.44	1/2	4,241.22	1/2	4,032.18	1/2	3,822.62	1/2	3,612.66	1/2	3,402.72	1/2	3,086.73
3/4		3/4		3/4		3/4	4,411.73	3/4	4,236.86	3/4	4,027.82	3/4	3,818.25	3/4	3,608.29	3/4	3,398.37	3/4	3,079.62
1		1		1		1	4,410.03	1	4,232.51	1	4,023.47	1	3,813.87	1	3,603.92	1	3,394.01	1	3,072.50
1/4		1/4		1/4		1/4	4,408.32	1/4	4,228.15	1/4	4,019.11	1/4	3,809.50	1/4	3,599.54	1/4	3,389.66	1/4	3,065.39
1/2		1/2		1/2		1/2	4,406.61	1/2	4,223.80	1/2	4,014.76	1/2	3,805.12	1/2	3,595.17	1/2	3,385.32	1/2	3,058.27
3/4		3/4		3/4		3/4	4,404.90	3/4	4,219.44	3/4	4,010.40	3/4	3,800.75	3/4	3,590.79	3/4	3,380.98	3/4	3,051.16
2		2		2		2	4,403.19	2	4,215.09	2	4,006.05	2	3,796.38	2	3,586.42	2	3,376.64	2	3,044.05
1/4		1/4		1/4		1/4	4,401.48	1/4	4,210.73	1/4	4,001.69	1/4	3,792.00	1/4	3,582.05	1/4	3,372.30	1/4	3,036.93
1/2		1/2		1/2		1/2	4,399.50	1/2	4,206.38	1/2	3,997.34	1/2	3,787.63	1/2	3,577.67	1/2	3,366.58	1/2	3,029.82
3/4		3/4		3/4		3/4	4,397.53	3/4	4,202.02	3/4	3,992.98	3/4	3,783.25	3/4	3,573.30	3/4	3,360.87	3/4	3,022.70
3		3		3		3	4,395.55	3	4,197.67	3	3,988.63	3	3,778.88	3	3,568.92	3	3,355.15	3	3,015.59
1/4		1/4		1/4		1/4	4,393.57	1/4	4,193.31	1/4	3,984.27	1/4	3,774.51	1/4	3,564.55	1/4	3,349.43	1/4	3,008.48
1/2		1/2		1/2		1/2	4,390.73	1/2	4,188.96	1/2	3,979.92	1/2	3,770.13	1/2	3,560.17	1/2	3,342.33	1/2	3,001.36
3/4		3/4		3/4		3/4	4,387.89	3/4	4,184.60	3/4	3,975.56	3/4	3,765.76	3/4	3,555.80	3/4	3,335.24	3/4	2,994.25
4		4		4		4	4,385.04	4	4,180.25	4	3,971.21	4	3,761.38	4	3,551.43	4	3,328.14	4	2,987.13
1/4		1/4		1/4		1/4	4,382.20	1/4	4,175.89	1/4	3,966.85	1/4	3,757.01	1/4	3,547.05	1/4	3,321.04	1/4	2,980.02
1/2		1/2		1/2		1/2	4,378.35	1/2	4,171.54	1/2	3,962.50	1/2	3,752.64	1/2	3,542.68	1/2	3,313.95	1/2	2,972.91
3/4		3/4		3/4		3/4	4,374.51	3/4	4,167.18	3/4	3,958.14	3/4	3,748.26	3/4	3,538.30	3/4	3,306.85	3/4	2,965.79
5		5		5		5	4,370.66	5	4,162.83	5	3,953.79	5	3,743.89	5	3,533.93	5	3,299.75	5	2,958.68
1/4		1/4		1/4		1/4	4,366.81	1/4	4,158.47	1/4	3,949.43	1/4	3,739.51	1/4	3,529.56	1/4	3,292.66	1/4	2,951.56
1/2		1/2		1/2		1/2	4,362.53	1/2	4,154.12	1/2	3,945.07	1/2	3,735.14	1/2	3,525.18	1/2	3,285.56	1/2	2,944.45
3/4		3/4		3/4		3/4	4,358.24	3/4	4,149.76	3/4	3,940.70	3/4	3,730.76	3/4	3,520.81	3/4	3,278.46	3/4	2,937.34
6		6		6		6	4,353.95	6	4,145.41	6	3,936.34	6	3,726.39	6	3,516.43	6	3,271.37	6	2,930.22
1/4		1/4		1/4		1/4	4,349.67	1/4	4,141.05	1/4	3,931.97	1/4	3,722.02	1/4	3,512.06	1/4	3,264.27	1/4	2,923.11
1/2		1/2		1/2		1/2	4,345.35	1/2	4,136.70	1/2	3,927.60	1/2	3,717.64	1/2	3,507.69	1/2	3,257.17	1/2	2,915.99
3/4		3/4		3/4		3/4	4,341.03	3/4	4,132.34	3/4	3,923.23	3/4	3,713.27	3/4	3,503.31	3/4	3,250.08	3/4	2,908.88
7		7		7		7	4,336.71	7	4,127.99	7	3,918.85	7	3,708.89	7	3,498.94	7	3,242.98	7	2,901.77
1/4		1/4		1/4		1/4	4,332.39	1/4	4,123.63	1/4	3,914.48	1/4	3,704.52	1/4	3,494.56	1/4	3,235.88	1/4	2,894.65
1/2		1/2		1/2		1/2	4,328.07	1/2	4,119.28	1/2	3,910.10	1/2	3,700.15	1/2	3,490.19	1/2	3,228.79	1/2	2,887.54
3/4		3/4		3/4		3/4	4,323.74	3/4	4,114.92	3/4	3,905.73	3/4	3,695.77	3/4	3,485.82	3/4	3,221.69	3/4	2,880.42
8		8		8		8	4,319.42	8	4,110.57	8	3,901.35	8	3,691.40	8	3,481.44	8	3,214.59	8	2,873.31
1/4		1/4		1/4		1/4	4,315.09	1/4	4,106.21	1/4	3,896.98	1/4	3,687.02	1/4	3,477.07	1/4	3,207.50	1/4	2,866.20
1/2		1/2		1/2		1/2	4,310.76	1/2	4,101.86	1/2	3,892.61	1/2	3,682.65	1/2	3,472.69	1/2	3,200.40	1/2	2,859.08
3/4		3/4		3/4		3/4	4,306.44	3/4	4,097.50	3/4	3,888.23	3/4	3,678.28	3/4	3,468.32	3/4	3,193.30	3/4	2,851.97
9		9		9		9	4,302.11	9	4,093.15	9	3,883.86	9	3,673.90	9	3,463.94	9	3,186.21	9	2,844.85
1/4		1/4		1/4		1/4	4,297.78	1/4	4,088.79	1/4	3,879.48	1/4	3,669.53	1/4	3,459.57	1/4	3,179.11	1/4	2,837.74
1/2		1/2		1/2		1/2	4,293.44	1/2	4,084.44	1/2	3,875.11	1/2	3,665.15	1/2	3,455.20	1/2	3,172.01	1/2	2,830.63
3/4		3/4		3/4		3/4	4,289.10	3/4	4,080.08	3/4	3,870.74	3/4	3,660.78	3/4	3,450.82	3/4	3,164.92	3/4	2,823.51
10		10		10		10	4,284.75	10	4,075.73	10	3,866.36	10	3,656.40	10	3,446.45	10	3,157.82	10	2,816.40
1/4		1/4		1/4		1/4	4,280.41	1/4	4,071.37	1/4	3,861.99	1/4	3,652.03	1/4	3,442.07	1/4	3,150.72	1/4	2,809.28
1/2		1/2		1/2		1/2	4,276.06	1/2	4,067.02	1/2	3,857.61	1/2	3,647.66	1/2	3,437.70	1/2	3,143.62	1/2	2,802.17
3/4		3/4		3/4		3/4	4,271.70	3/4	4,062.66	3/4	3,853.24	3/4	3,643.28	3/4	3,433.33	3/4	3,136.51	3/4	2,795.06
11		11		11		11	4,267.35	11	4,058.31	11	3,848.87	11	3,638.91	11	3,428.95	11	3,129.41	11	2,787.94
1/4		1/4		1/4	4,419.46	1/4	4,262.99	1/4	4,053.95	1/4	3,844.49	1/4	3,634.53	1/4	3,424.58	1/4	3,122.30	1/4	2,780.83
1/2		1/2		1/2	4,418.38	1/2	4,258.64	1/2	4,049.60	1/2	3,840.12	1/2	3,630.16	1/2	3,420.20	1/2	3,115.19	1/2	2,773.71
3/4		3/4		3/4	4,417.31	3/4	4,254.28	3/4	4,045.24	3/4	3,835.74	3/4	3,625.79	3/4	3,415.83	3/4	3,108.07	3/4	2,766.60

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.  
GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 82'-08" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



**BARGE "HSM 3322"**  
formerly the  
**BARGE "FMT 3322"**

**3 STBD**  
**ULLAGE TABLE**  
**10" HATCH**  
**GAUGE HEIGHT 18'-02 1/4"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,759.49	0	2,417.46	0	2,075.12	0	1,732.77	0	1,390.43	0	1,048.17	0	706.23	0	363.90	0	28.89	0	
1/4	2,752.37	1/4	2,410.33	1/4	2,067.98	1/4	1,725.64	1/4	1,383.29	1/4	1,041.05	1/4	699.10	1/4	356.76	1/4	23.54	1/4	
1/2	2,745.26	1/2	2,403.20	1/2	2,060.85	1/2	1,718.51	1/2	1,376.16	1/2	1,033.94	1/2	691.97	1/2	349.63	1/2	19.97	1/2	
3/4	2,738.14	3/4	2,396.07	3/4	2,053.72	3/4	1,711.37	3/4	1,369.03	3/4	1,026.82	3/4	684.84	3/4	342.50	3/4	16.41	3/4	
1	2,731.03	1	2,388.93	1	2,046.59	1	1,704.24	1	1,361.90	1	1,019.70	1	677.70	1	335.37	1	12.84	1	
1/4	2,723.92	1/4	2,381.80	1/4	2,039.46	1/4	1,697.11	1/4	1,354.76	1/4	1,012.58	1/4	670.57	1/4	328.24	1/4	9.28	1/4	
1/2	2,716.80	1/2	2,374.67	1/2	2,032.32	1/2	1,689.98	1/2	1,347.63	1/2	1,005.46	1/2	663.44	1/2	321.10	1/2	7.49	1/2	
3/4	2,709.69	3/4	2,367.54	3/4	2,025.19	3/4	1,682.85	3/4	1,340.50	3/4	998.34	3/4	656.31	3/4	313.97	3/4	5.71	3/4	
2	2,702.57	2	2,360.40	2	2,018.06	2	1,675.71	2	1,333.37	2	991.23	2	649.18	2	306.84	2	3.93	2	
1/4	2,695.46	1/4	2,353.27	1/4	2,010.93	1/4	1,668.58	1/4	1,326.24	1/4	984.11	1/4	642.04	1/4	299.71	1/4	2.15	1/4	
1/2	2,688.35	1/2	2,346.14	1/2	2,003.79	1/2	1,661.45	1/2	1,319.10	1/2	976.99	1/2	634.91	1/2	292.58	1/2		1/2	
3/4	2,681.23	3/4	2,339.01	3/4	1,996.66	3/4	1,654.32	3/4	1,311.97	3/4	969.87	3/4	627.78	3/4	285.44	3/4		3/4	
3	2,674.12	3	2,331.88	3	1,989.53	3	1,647.18	3	1,304.84	3	962.75	3	620.65	3	278.31	3		3	
1/4	2,667.00	1/4	2,324.74	1/4	1,982.40	1/4	1,640.05	1/4	1,297.71	1/4	955.64	1/4	613.52	1/4	271.18	1/4		1/4	
1/2	2,659.89	1/2	2,317.61	1/2	1,975.27	1/2	1,632.92	1/2	1,290.57	1/2	948.52	1/2	606.38	1/2	264.05	1/2		1/2	
3/4	2,652.78	3/4	2,310.48	3/4	1,968.13	3/4	1,625.79	3/4	1,283.44	3/4	941.40	3/4	599.25	3/4	256.92	3/4		3/4	
4	2,645.66	4	2,303.35	4	1,961.00	4	1,618.66	4	1,276.31	4	934.28	4	592.12	4	249.78	4		4	
1/4	2,638.55	1/4	2,296.21	1/4	1,953.87	1/4	1,611.52	1/4	1,269.18	1/4	927.16	1/4	584.99	1/4	242.65	1/4		1/4	
1/2	2,631.42	1/2	2,289.08	1/2	1,946.74	1/2	1,604.39	1/2	1,262.05	1/2	920.05	1/2	577.86	1/2	235.52	1/2		1/2	
3/4	2,624.30	3/4	2,281.95	3/4	1,939.60	3/4	1,597.26	3/4	1,254.91	3/4	912.93	3/4	570.72	3/4	228.39	3/4		3/4	
5	2,617.18	5	2,274.82	5	1,932.47	5	1,590.13	5	1,247.78	5	905.81	5	563.59	5	221.26	5		5	
1/4	2,610.05	1/4	2,267.69	1/4	1,925.34	1/4	1,582.99	1/4	1,240.65	1/4	898.69	1/4	556.46	1/4	214.12	1/4		1/4	
1/2	2,602.92	1/2	2,260.55	1/2	1,918.21	1/2	1,575.86	1/2	1,233.52	1/2	891.57	1/2	549.33	1/2	206.99	1/2		1/2	
3/4	2,595.79	3/4	2,253.42	3/4	1,911.08	3/4	1,568.73	3/4	1,226.38	3/4	884.46	3/4	542.20	3/4	199.86	3/4		3/4	
6	2,588.65	6	2,246.29	6	1,903.94	6	1,561.60	6	1,219.25	6	877.34	6	535.06	6	192.73	6		6	
1/4	2,581.52	1/4	2,239.16	1/4	1,896.81	1/4	1,554.47	1/4	1,212.12	1/4	870.22	1/4	527.93	1/4	185.60	1/4		1/4	
1/2	2,574.39	1/2	2,232.02	1/2	1,889.68	1/2	1,547.33	1/2	1,204.99	1/2	863.10	1/2	520.80	1/2	178.46	1/2		1/2	
3/4	2,567.26	3/4	2,224.89	3/4	1,882.55	3/4	1,540.20	3/4	1,197.86	3/4	855.98	3/4	513.67	3/4	171.33	3/4		3/4	
7	2,560.12	7	2,217.76	7	1,875.41	7	1,533.07	7	1,190.72	7	848.85	7	506.54	7	164.20	7		7	
1/4	2,552.99	1/4	2,210.63	1/4	1,868.28	1/4	1,525.94	1/4	1,183.59	1/4	841.73	1/4	499.40	1/4	157.07	1/4		1/4	
1/2	2,545.86	1/2	2,203.50	1/2	1,861.15	1/2	1,518.80	1/2	1,176.46	1/2	834.60	1/2	492.27	1/2	149.94	1/2		1/2	
3/4	2,538.72	3/4	2,196.36	3/4	1,854.02	3/4	1,511.67	3/4	1,169.33	3/4	827.47	3/4	485.14	3/4	142.81	3/4		3/4	
8	2,531.59	8	2,189.23	8	1,846.89	8	1,504.54	8	1,162.19	8	820.34	8	478.01	8	135.67	8		8	
1/4	2,524.46	1/4	2,182.10	1/4	1,839.75	1/4	1,497.41	1/4	1,155.06	1/4	813.21	1/4	470.88	1/4	128.54	1/4		1/4	
1/2	2,517.32	1/2	2,174.97	1/2	1,832.62	1/2	1,490.28	1/2	1,147.93	1/2	806.08	1/2	463.74	1/2	121.42	1/2		1/2	
3/4	2,510.19	3/4	2,167.83	3/4	1,825.49	3/4	1,483.14	3/4	1,140.80	3/4	798.95	3/4	456.61	3/4	114.29	3/4		3/4	
9	2,503.05	9	2,160.70	9	1,818.36	9	1,476.01	9	1,133.67	9	791.82	9	449.48	9	107.16	9		9	
1/4	2,495.92	1/4	2,153.57	1/4	1,811.22	1/4	1,468.88	1/4	1,126.53	1/4	784.68	1/4	442.35	1/4	100.04	1/4		1/4	
1/2	2,488.78	1/2	2,146.44	1/2	1,804.09	1/2	1,461.75	1/2	1,119.40	1/2	777.55	1/2	435.22	1/2	92.93	1/2		1/2	
3/4	2,481.65	3/4	2,139.31	3/4	1,796.96	3/4	1,454.61	3/4	1,112.28	3/4	770.42	3/4	428.08	3/4	85.82	3/4		3/4	
10	2,474.52	10	2,132.17	10	1,789.83	10	1,447.48	10	1,105.15	10	763.29	10	420.95	10	78.71	10		10	
1/4	2,467.39	1/4	2,125.04	1/4	1,782.70	1/4	1,440.35	1/4	1,098.02	1/4	756.16	1/4	413.82	1/4	71.60	1/4		1/4	
1/2	2,460.26	1/2	2,117.91	1/2	1,775.56	1/2	1,433.22	1/2	1,090.89	1/2	749.02	1/2	406.69	1/2	64.94	1/2		1/2	
3/4	2,453.12	3/4	2,110.78	3/4	1,768.43	3/4	1,426.09	3/4	1,083.77	3/4	741.89	3/4	399.56	3/4	58.27	3/4		3/4	
11	2,445.99	11	2,103.65	11	1,761.30	11	1,418.95	11	1,076.65	11	734.76	11	392.42	11	51.60	11		11	
1/4	2,438.86	1/4	2,096.51	1/4	1,754.17	1/4	1,411.82	1/4	1,069.53	1/4	727.63	1/4	385.29	1/4	44.93	1/4		1/4	
1/2	2,431.73	1/2	2,089.38	1/2	1,747.04	1/2	1,404.69	1/2	1,062.41	1/2	720.50	1/2	378.16	1/2	39.59	1/2		1/2	
3/4	2,424.59	3/4	2,082.25	3/4	1,739.90	3/4	1,397.56	3/4	1,055.29	3/4	713.36	3/4	371.03	3/4	34.24	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/25/2020 CL  
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