



BARGE "HSM 3025"

INNAGE TRIM TABLE 8" GAUGE 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	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8
1 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8
2 PORT	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-2/8	- 00-2/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
2 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8
3 PORT	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8
3 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 1'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 3'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 238'-06"

October 29, 2019

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

<http://www.pmacorp.net>



BARGE "HSM 3025"

INNAGE TRIM TABLE "MMC" GAUGE

	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	00-1/8	- 00-1/8	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	00-0/8	- 00-0/8	00-0/8	- 00-0/8	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	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 PORT	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
3 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 1'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 3'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 238'-06"

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BARGE "HSM 3025"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/4"

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	386	0	13,269	0	28,215	0	43,258	0	58,238	0	73,239	0	88,282	0	103,325	0	118,363	0	133,399
1/4	563	1/4	13,571	1/4	28,529	1/4	43,571	1/4	58,549	1/4	73,552	1/4	88,595	1/4	103,638	1/4	118,676	1/4	133,713
1/2	740	1/2	13,873	1/2	28,842	1/2	43,884	1/2	58,860	1/2	73,865	1/2	88,908	1/2	103,951	1/2	118,989	1/2	134,026
3/4	917	3/4	14,174	3/4	29,155	3/4	44,198	3/4	59,172	3/4	74,179	3/4	89,222	3/4	104,265	3/4	119,303	3/4	134,339
1	1,094	1	14,476	1	29,469	1	44,511	1	59,483	1	74,492	1	89,535	1	104,578	1	119,616	1	134,652
1/4	1,333	1/4	14,782	1/4	29,782	1/4	44,825	1/4	59,794	1/4	74,806	1/4	89,849	1/4	104,892	1/4	119,929	1/4	134,966
1/2	1,572	1/2	15,088	1/2	30,095	1/2	45,138	1/2	60,105	1/2	75,119	1/2	90,162	1/2	105,205	1/2	120,242	1/2	135,279
3/4	1,811	3/4	15,393	3/4	30,409	3/4	45,451	3/4	60,416	3/4	75,432	3/4	90,475	3/4	105,518	3/4	120,556	3/4	135,592
2	2,050	2	15,699	2	30,722	2	45,765	2	60,727	2	75,746	2	90,789	2	105,832	2	120,869	2	135,905
1/4	2,313	1/4	16,009	1/4	31,036	1/4	46,078	1/4	61,038	1/4	76,059	1/4	91,102	1/4	106,145	1/4	121,182	1/4	136,219
1/2	2,575	1/2	16,318	1/2	31,349	1/2	46,391	1/2	61,349	1/2	76,373	1/2	91,416	1/2	106,459	1/2	121,496	1/2	136,532
3/4	2,837	3/4	16,628	3/4	31,662	3/4	46,705	3/4	61,660	3/4	76,686	3/4	91,729	3/4	106,772	3/4	121,809	3/4	136,845
3	3,099	3	16,937	3	31,976	3	47,018	3	61,971	3	76,999	3	92,042	3	107,085	3	122,122	3	137,159
1/4	3,366	1/4	17,250	1/4	32,289	1/4	47,332	1/4	62,282	1/4	77,313	1/4	92,356	1/4	107,399	1/4	122,435	1/4	137,472
1/2	3,633	1/2	17,562	1/2	32,603	1/2	47,645	1/2	62,593	1/2	77,626	1/2	92,669	1/2	107,712	1/2	122,749	1/2	137,785
3/4	3,900	3/4	17,874	3/4	32,916	3/4	47,958	3/4	62,905	3/4	77,940	3/4	92,983	3/4	108,025	3/4	123,062	3/4	138,098
4	4,167	4	18,187	4	33,229	4	48,272	4	63,216	4	78,253	4	93,296	4	108,339	4	123,375	4	138,412
1/4	4,438	1/4	18,500	1/4	33,543	1/4	48,584	1/4	63,528	1/4	78,566	1/4	93,609	1/4	108,652	1/4	123,688	1/4	138,725
1/2	4,709	1/2	18,814	1/2	33,856	1/2	48,897	1/2	63,840	1/2	78,880	1/2	93,923	1/2	108,965	1/2	124,002	1/2	139,038
3/4	4,979	3/4	19,127	3/4	34,169	3/4	49,210	3/4	64,152	3/4	79,193	3/4	94,236	3/4	109,278	3/4	124,315	3/4	139,351
5	5,250	5	19,440	5	34,483	5	49,522	5	64,464	5	79,507	5	94,549	5	109,592	5	124,628	5	139,665
1/4	5,525	1/4	19,754	1/4	34,796	1/4	49,834	1/4	64,777	1/4	79,820	1/4	94,863	1/4	109,905	1/4	124,941	1/4	139,978
1/2	5,800	1/2	20,067	1/2	35,110	1/2	50,146	1/2	65,091	1/2	80,133	1/2	95,176	1/2	110,218	1/2	125,255	1/2	140,291
3/4	6,075	3/4	20,380	3/4	35,423	3/4	50,458	3/4	65,404	3/4	80,447	3/4	95,490	3/4	110,531	3/4	125,568	3/4	140,604
6	6,350	6	20,694	6	35,736	6	50,770	6	65,717	6	80,760	6	95,803	6	110,845	6	125,881	6	140,918
1/4	6,628	1/4	21,007	1/4	36,050	1/4	51,082	1/4	66,031	1/4	81,074	1/4	96,116	1/4	111,158	1/4	126,194	1/4	141,231
1/2	6,907	1/2	21,321	1/2	36,363	1/2	51,394	1/2	66,344	1/2	81,387	1/2	96,430	1/2	111,471	1/2	126,508	1/2	141,544
3/4	7,186	3/4	21,634	3/4	36,677	3/4	51,705	3/4	66,657	3/4	81,700	3/4	96,743	3/4	111,784	3/4	126,821	3/4	141,857
7	7,464	7	21,947	7	36,990	7	52,017	7	66,971	7	82,014	7	97,057	7	112,098	7	127,134	7	142,171
1/4	7,747	1/4	22,261	1/4	37,303	1/4	52,328	1/4	67,284	1/4	82,327	1/4	97,370	1/4	112,411	1/4	127,447	1/4	142,484
1/2	8,029	1/2	22,574	1/2	37,617	1/2	52,640	1/2	67,598	1/2	82,640	1/2	97,683	1/2	112,724	1/2	127,761	1/2	142,797
3/4	8,312	3/4	22,888	3/4	37,930	3/4	52,951	3/4	67,911	3/4	82,954	3/4	97,997	3/4	113,038	3/4	128,074	3/4	143,110
8	8,594	8	23,201	8	38,243	8	53,262	8	68,224	8	83,267	8	98,310	8	113,351	8	128,387	8	143,424
1/4	8,881	1/4	23,514	1/4	38,557	1/4	53,573	1/4	68,538	1/4	83,581	1/4	98,624	1/4	113,664	1/4	128,700	1/4	143,737
1/2	9,167	1/2	23,828	1/2	38,870	1/2	53,884	1/2	68,851	1/2	83,894	1/2	98,937	1/2	113,977	1/2	129,014	1/2	144,050
3/4	9,454	3/4	24,141	3/4	39,184	3/4	54,195	3/4	69,164	3/4	84,207	3/4	99,250	3/4	114,291	3/4	129,327	3/4	144,363
9	9,740	9	24,454	9	39,497	9	54,506	9	69,478	9	84,521	9	99,564	9	114,604	9	129,640	9	144,677
1/4	10,030	1/4	24,768	1/4	39,810	1/4	54,817	1/4	69,791	1/4	84,834	1/4	99,877	1/4	114,917	1/4	129,954	1/4	144,990
1/2	10,320	1/2	25,081	1/2	40,124	1/2	55,128	1/2	70,105	1/2	85,148	1/2	100,191	1/2	115,230	1/2	130,267	1/2	145,303
3/4	10,611	3/4	25,395	3/4	40,437	3/4	55,439	3/4	70,418	3/4	85,461	3/4	100,504	3/4	115,544	3/4	130,580	3/4	145,617
10	10,901	10	25,708	10	40,751	10	55,750	10	70,731	10	85,774	10	100,817	10	115,857	10	130,893	10	145,930
1/4	11,195	1/4	26,021	1/4	41,064	1/4	56,061	1/4	71,045	1/4	86,088	1/4	101,131	1/4	116,170	1/4	131,207	1/4	146,243
1/2	11,489	1/2	26,335	1/2	41,377	1/2	56,372	1/2	71,358	1/2	86,401	1/2	101,444	1/2	116,483	1/2	131,520	1/2	146,556
3/4	11,783	3/4	26,648	3/4	41,691	3/4	56,683	3/4	71,672	3/4	86,715	3/4	101,758	3/4	116,797	3/4	131,833	3/4	146,870
11	12,077	11	26,962	11	42,004	11	56,994	11	71,985	11	87,028	11	102,071	11	117,110	11	132,146	11	147,183
1/4	12,375	1/4	27,275	1/4	42,317	1/4	57,305	1/4	72,298	1/4	87,341	1/4	102,384	1/4	117,423	1/4	132,460	1/4	147,496
1/2	12,673	1/2	27,588	1/2	42,631	1/2	57,616	1/2	72,612	1/2	87,655	1/2	102,698	1/2	117,736	1/2	132,773	1/2	147,809
3/4	12,971	3/4	27,902	3/4	42,944	3/4	57,927	3/4	72,925	3/4	87,968	3/4	103,011	3/4	118,050	3/4	133,086	3/4	148,123

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 THREADS ON "MMC" VALVE OR 8" HATCH.

GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "HSM 3025"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/4"

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	148,436	0	163,472	0	178,500	0	193,492	0	208,412	0		0		0		0		0	
1/4	148,749	1/4	163,786	1/4	178,812	1/4	193,805	1/4	208,693	1/4		1/4		1/4		1/4		1/4	
1/2	149,062	1/2	164,099	1/2	179,124	1/2	194,117	1/2	208,973	1/2		1/2		1/2		1/2		1/2	
3/4	149,376	3/4	164,412	3/4	179,437	3/4	194,429	3/4	209,254	3/4		3/4		3/4		3/4		3/4	
1	149,689	1	164,725	1	179,749	1	194,742	1	209,534	1		1		1		1		1	
1/4	150,002	1/4	165,039	1/4	180,061	1/4	195,054	1/4	209,766	1/4		1/4		1/4		1/4		1/4	
1/2	150,315	1/2	165,352	1/2	180,374	1/2	195,366	1/2	209,998	1/2		1/2		1/2		1/2		1/2	
3/4	150,629	3/4	165,665	3/4	180,686	3/4	195,679	3/4	210,230	3/4		3/4		3/4		3/4		3/4	
2	150,942	2	165,978	2	180,998	2	195,991	2	210,462	2		2		2		2		2	
1/4	151,255	1/4	166,292	1/4	181,311	1/4	196,303	1/4	210,642	1/4		1/4		1/4		1/4		1/4	
1/2	151,568	1/2	166,605	1/2	181,623	1/2	196,616	1/2	210,822	1/2		1/2		1/2		1/2		1/2	
3/4	151,882	3/4	166,918	3/4	181,935	3/4	196,928	3/4	211,001	3/4		3/4		3/4		3/4		3/4	
3	152,195	3	167,231	3	182,248	3	197,240	3	211,181	3		3		3		3		3	
1/4	152,508	1/4	167,545	1/4	182,560	1/4	197,553	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,821	1/2	167,858	1/2	182,872	1/2	197,865	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,135	3/4	168,171	3/4	183,185	3/4	198,177	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,448	4	168,484	4	183,497	4	198,490	4		4		4		4		4		4	
1/4	153,761	1/4	168,798	1/4	183,810	1/4	198,802	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,075	1/2	169,111	1/2	184,122	1/2	199,114	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,388	3/4	169,424	3/4	184,434	3/4	199,427	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,701	5	169,738	5	184,747	5	199,739	5		5		5		5		5		5	
1/4	155,014	1/4	170,051	1/4	185,059	1/4	200,050	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,328	1/2	170,364	1/2	185,371	1/2	200,362	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,641	3/4	170,677	3/4	185,684	3/4	200,673	3/4		3/4		3/4		3/4		3/4		3/4	
6	155,954	6	170,991	6	185,996	6	200,984	6		6		6		6		6		6	
1/4	156,267	1/4	171,304	1/4	186,308	1/4	201,294	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,581	1/2	171,617	1/2	186,621	1/2	201,605	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,894	3/4	171,930	3/4	186,933	3/4	201,915	3/4		3/4		3/4		3/4		3/4		3/4	
7	157,207	7	172,244	7	187,245	7	202,225	7		7		7		7		7		7	
1/4	157,520	1/4	172,557	1/4	187,558	1/4	202,535	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,834	1/2	172,870	1/2	187,870	1/2	202,846	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,147	3/4	173,183	3/4	188,182	3/4	203,156	3/4		3/4		3/4		3/4		3/4		3/4	
8	158,460	8	173,497	8	188,495	8	203,466	8		8		8		8		8		8	
1/4	158,773	1/4	173,810	1/4	188,807	1/4	203,776	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,087	1/2	174,123	1/2	189,119	1/2	204,087	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,400	3/4	174,436	3/4	189,432	3/4	204,397	3/4		3/4		3/4		3/4		3/4		3/4	
9	159,713	9	174,750	9	189,744	9	204,707	9		9		9		9		9		9	
1/4	160,026	1/4	175,062	1/4	190,056	1/4	205,018	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,340	1/2	175,375	1/2	190,369	1/2	205,328	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,653	3/4	175,688	3/4	190,681	3/4	205,638	3/4		3/4		3/4		3/4		3/4		3/4	
10	160,966	10	176,001	10	190,993	10	205,948	10		10		10		10		10		10	
1/4	161,279	1/4	176,313	1/4	191,306	1/4	206,258	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,593	1/2	176,626	1/2	191,618	1/2	206,568	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,906	3/4	176,938	3/4	191,930	3/4	206,878	3/4		3/4		3/4		3/4		3/4		3/4	
11	162,219	11	177,250	11	192,243	11	207,188	11		11		11		11		11		11	
1/4	162,533	1/4	177,563	1/4	192,555	1/4	207,494	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,846	1/2	177,875	1/2	192,868	1/2	207,800	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,159	3/4	178,187	3/4	193,180	3/4	208,106	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/28/2019 CL
CALCULATED: 10/28/2019 CL
PRINTED: 10/29/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019

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



BARGE "HSM 3025"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/4"

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	386	0	13,272	0	28,222	0	43,268	0	58,310	0	73,354	0	88,401	0	103,447	0	118,489	0	133,530
1/4	563	1/4	13,574	1/4	28,536	1/4	43,582	1/4	58,623	1/4	73,668	1/4	88,714	1/4	103,761	1/4	118,803	1/4	133,843
1/2	740	1/2	13,876	1/2	28,849	1/2	43,895	1/2	58,937	1/2	73,981	1/2	89,028	1/2	104,074	1/2	119,116	1/2	134,156
3/4	918	3/4	14,178	3/4	29,163	3/4	44,209	3/4	59,250	3/4	74,294	3/4	89,341	3/4	104,388	3/4	119,429	3/4	134,470
1	1,095	1	14,480	1	29,476	1	44,522	1	59,563	1	74,608	1	89,655	1	104,701	1	119,743	1	134,783
1/4	1,334	1/4	14,786	1/4	29,789	1/4	44,836	1/4	59,876	1/4	74,921	1/4	89,968	1/4	105,015	1/4	120,056	1/4	135,096
1/2	1,573	1/2	15,091	1/2	30,103	1/2	45,149	1/2	60,190	1/2	75,235	1/2	90,282	1/2	105,328	1/2	120,369	1/2	135,410
3/4	1,812	3/4	15,397	3/4	30,416	3/4	45,463	3/4	60,503	3/4	75,548	3/4	90,595	3/4	105,642	3/4	120,683	3/4	135,723
2	2,051	2	15,703	2	30,730	2	45,776	2	60,816	2	75,862	2	90,909	2	105,955	2	120,996	2	136,036
1/4	2,313	1/4	16,013	1/4	31,043	1/4	46,090	1/4	61,129	1/4	76,175	1/4	91,222	1/4	106,269	1/4	121,309	1/4	136,350
1/2	2,576	1/2	16,322	1/2	31,357	1/2	46,403	1/2	61,443	1/2	76,489	1/2	91,535	1/2	106,582	1/2	121,623	1/2	136,663
3/4	2,838	3/4	16,632	3/4	31,670	3/4	46,716	3/4	61,756	3/4	76,802	3/4	91,849	3/4	106,896	3/4	121,936	3/4	136,976
3	3,100	3	16,941	3	31,984	3	47,030	3	62,069	3	77,116	3	92,162	3	107,209	3	122,249	3	137,290
1/4	3,367	1/4	17,254	1/4	32,297	1/4	47,343	1/4	62,383	1/4	77,429	1/4	92,476	1/4	107,522	1/4	122,563	1/4	137,603
1/2	3,634	1/2	17,566	1/2	32,611	1/2	47,657	1/2	62,696	1/2	77,743	1/2	92,789	1/2	107,836	1/2	122,876	1/2	137,916
3/4	3,901	3/4	17,879	3/4	32,924	3/4	47,970	3/4	63,010	3/4	78,056	3/4	93,103	3/4	108,149	3/4	123,189	3/4	138,230
4	4,168	4	18,191	4	33,238	4	48,284	4	63,323	4	78,370	4	93,416	4	108,463	4	123,503	4	138,543
1/4	4,439	1/4	18,505	1/4	33,551	1/4	48,597	1/4	63,636	1/4	78,683	1/4	93,730	1/4	108,776	1/4	123,816	1/4	138,856
1/2	4,710	1/2	18,818	1/2	33,864	1/2	48,911	1/2	63,950	1/2	78,997	1/2	94,043	1/2	109,089	1/2	124,129	1/2	139,170
3/4	4,981	3/4	19,132	3/4	34,178	3/4	49,224	3/4	64,263	3/4	79,310	3/4	94,357	3/4	109,403	3/4	124,443	3/4	139,483
5	5,252	5	19,445	5	34,491	5	49,538	5	64,577	5	79,624	5	94,670	5	109,716	5	124,756	5	139,796
1/4	5,527	1/4	19,759	1/4	34,805	1/4	49,851	1/4	64,890	1/4	79,937	1/4	94,984	1/4	110,029	1/4	125,070	1/4	140,110
1/2	5,802	1/2	20,072	1/2	35,118	1/2	50,165	1/2	65,204	1/2	80,250	1/2	95,297	1/2	110,343	1/2	125,383	1/2	140,423
3/4	6,076	3/4	20,386	3/4	35,432	3/4	50,478	3/4	65,517	3/4	80,564	3/4	95,611	3/4	110,656	3/4	125,696	3/4	140,736
6	6,351	6	20,699	6	35,745	6	50,791	6	65,831	6	80,877	6	95,924	6	110,969	6	126,010	6	141,050
1/4	6,630	1/4	21,013	1/4	36,059	1/4	51,105	1/4	66,144	1/4	81,191	1/4	96,238	1/4	111,283	1/4	126,323	1/4	141,363
1/2	6,909	1/2	21,326	1/2	36,372	1/2	51,418	1/2	66,458	1/2	81,504	1/2	96,551	1/2	111,596	1/2	126,636	1/2	141,676
3/4	7,188	3/4	21,639	3/4	36,686	3/4	51,732	3/4	66,771	3/4	81,818	3/4	96,864	3/4	111,909	3/4	126,950	3/4	141,990
7	7,466	7	21,953	7	36,999	7	52,045	7	67,085	7	82,131	7	97,178	7	112,223	7	127,263	7	142,303
1/4	7,749	1/4	22,266	1/4	37,313	1/4	52,358	1/4	67,398	1/4	82,445	1/4	97,491	1/4	112,536	1/4	127,576	1/4	142,616
1/2	8,031	1/2	22,580	1/2	37,626	1/2	52,672	1/2	67,712	1/2	82,758	1/2	97,805	1/2	112,849	1/2	127,890	1/2	142,930
3/4	8,314	3/4	22,893	3/4	37,940	3/4	52,985	3/4	68,025	3/4	83,072	3/4	98,118	3/4	113,163	3/4	128,203	3/4	143,243
8	8,597	8	23,207	8	38,253	8	53,298	8	68,339	8	83,385	8	98,432	8	113,476	8	128,516	8	143,556
1/4	8,883	1/4	23,520	1/4	38,566	1/4	53,612	1/4	68,652	1/4	83,699	1/4	98,745	1/4	113,789	1/4	128,830	1/4	143,870
1/2	9,170	1/2	23,834	1/2	38,880	1/2	53,925	1/2	68,965	1/2	84,012	1/2	99,059	1/2	114,103	1/2	129,143	1/2	144,183
3/4	9,456	3/4	24,147	3/4	39,193	3/4	54,238	3/4	69,279	3/4	84,326	3/4	99,372	3/4	114,416	3/4	129,456	3/4	144,496
9	9,742	9	24,461	9	39,507	9	54,551	9	69,592	9	84,639	9	99,686	9	114,729	9	129,770	9	144,810
1/4	10,033	1/4	24,774	1/4	39,820	1/4	54,864	1/4	69,906	1/4	84,953	1/4	99,999	1/4	115,043	1/4	130,083	1/4	145,123
1/2	10,323	1/2	25,088	1/2	40,134	1/2	55,178	1/2	70,219	1/2	85,266	1/2	100,313	1/2	115,356	1/2	130,396	1/2	145,437
3/4	10,613	3/4	25,401	3/4	40,447	3/4	55,491	3/4	70,533	3/4	85,579	3/4	100,626	3/4	115,669	3/4	130,710	3/4	145,750
10	10,904	10	25,714	10	40,761	10	55,804	10	70,846	10	85,893	10	100,940	10	115,983	10	131,023	10	146,063
1/4	11,198	1/4	26,028	1/4	41,074	1/4	56,117	1/4	71,160	1/4	86,206	1/4	101,253	1/4	116,296	1/4	131,336	1/4	146,377
1/2	11,492	1/2	26,341	1/2	41,388	1/2	56,431	1/2	71,473	1/2	86,520	1/2	101,567	1/2	116,609	1/2	131,650	1/2	146,690
3/4	11,786	3/4	26,655	3/4	41,701	3/4	56,744	3/4	71,787	3/4	86,833	3/4	101,880	3/4	116,923	3/4	131,963	3/4	147,003
11	12,080	11	26,968	11	42,015	11	57,057	11	72,100	11	87,147	11	102,194	11	117,236	11	132,276	11	147,317
1/4	12,378	1/4	27,282	1/4	42,328	1/4	57,370	1/4	72,414	1/4	87,460	1/4	102,507	1/4	117,549	1/4	132,590	1/4	147,630
1/2	12,676	1/2	27,595	1/2	42,641	1/2	57,684	1/2	72,727	1/2	87,774	1/2	102,820	1/2	117,863	1/2	132,903	1/2	147,943
3/4	12,974	3/4	27,909	3/4	42,955	3/4	57,997	3/4	73,041	3/4	88,087	3/4	103,134	3/4	118,176	3/4	133,216	3/4	148,257

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 THREADS ON "MMC" VALVE OR 8" HATCH.
 GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.
 GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 41'-06" 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 3025"

**1 STBD
INNAGE TABLE**

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	148,883	1/4	163,924	1/4	178,954	1/4	193,951	1/4	208,843	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	149,197	1/2	164,237	1/2	179,266	1/2	194,263	1/2	209,123	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	149,510	3/4	164,550	3/4	179,579	3/4	194,575	3/4	209,404	3/4		3/4		3/4		3/4		3/4		3/4	
1	149,823	1	164,864	1	179,891	1	194,888	1	209,684	1		1		1		1		1		1	
1/4	150,137	1/4	165,177	1/4	180,204	1/4	195,200	1/4	209,916	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	150,450	1/2	165,490	1/2	180,516	1/2	195,513	1/2	210,148	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	150,763	3/4	165,804	3/4	180,829	3/4	195,825	3/4	210,380	3/4		3/4		3/4		3/4		3/4		3/4	
2	151,077	2	166,117	2	181,141	2	196,138	2	210,612	2		2		2		2		2		2	
1/4	151,390	1/4	166,430	1/4	181,453	1/4	196,450	1/4	210,792	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	151,703	1/2	166,744	1/2	181,766	1/2	196,762	1/2	210,972	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	152,017	3/4	167,057	3/4	182,078	3/4	197,075	3/4	211,152	3/4		3/4		3/4		3/4		3/4		3/4	
3	152,330	3	167,370	3	182,391	3	197,387	3	211,332	3		3		3		3		3		3	
1/4	152,643	1/4	167,684	1/4	182,703	1/4	197,700	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,957	1/2	167,997	1/2	183,016	1/2	198,012	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,270	3/4	168,310	3/4	183,328	3/4	198,325	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	153,583	4	168,624	4	183,640	4	198,637	4		4		4		4		4		4		4	
1/4	153,897	1/4	168,937	1/4	183,953	1/4	198,949	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,210	1/2	169,250	1/2	184,265	1/2	199,262	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,523	3/4	169,564	3/4	184,578	3/4	199,574	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	154,837	5	169,877	5	184,890	5	199,887	5		5		5		5		5		5		5	
1/4	155,150	1/4	170,191	1/4	185,203	1/4	200,198	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,463	1/2	170,504	1/2	185,515	1/2	200,509	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,777	3/4	170,817	3/4	185,827	3/4	200,821	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	156,090	6	171,131	6	186,140	6	201,132	6		6		6		6		6		6		6	
1/4	156,403	1/4	171,444	1/4	186,452	1/4	201,442	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,717	1/2	171,757	1/2	186,765	1/2	201,753	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,030	3/4	172,071	3/4	187,077	3/4	202,063	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	157,344	7	172,384	7	187,390	7	202,373	7		7		7		7		7		7		7	
1/4	157,657	1/4	172,697	1/4	187,702	1/4	202,684	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,970	1/2	173,011	1/2	188,014	1/2	202,994	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,284	3/4	173,324	3/4	188,327	3/4	203,304	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	158,597	8	173,637	8	188,639	8	203,615	8		8		8		8		8		8		8	
1/4	158,910	1/4	173,951	1/4	188,952	1/4	203,925	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,224	1/2	174,264	1/2	189,264	1/2	204,235	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,537	3/4	174,577	3/4	189,577	3/4	204,546	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	159,850	9	174,891	9	189,889	9	204,856	9		9		9		9		9		9		9	
1/4	160,164	1/4	175,204	1/4	190,201	1/4	205,167	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,477	1/2	175,516	1/2	190,514	1/2	205,477	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,790	3/4	175,829	3/4	190,826	3/4	205,787	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	161,104	10	176,142	10	191,139	10	206,098	10		10		10		10		10		10		10	
1/4	161,417	1/4	176,455	1/4	191,451	1/4	206,408	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,730	1/2	176,767	1/2	191,764	1/2	206,717	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,044	3/4	177,079	3/4	192,076	3/4	207,027	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	162,357	11	177,392	11	192,388	11	207,337	11		11		11		11		11		11		11	
1/4	162,670	1/4	177,704	1/4	192,701	1/4	207,644	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,984	1/2	178,017	1/2	193,013	1/2	207,950	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,297	3/4	178,329	3/4	193,326	3/4	208,256	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/28/2019 CL
CALCULATED: 10/28/2019 CL
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CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019

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BARGE "HSM 3025"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-04 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	1,033	0	15,724	0	30,813	0	45,531	0	60,042	0	74,922	0	90,015	0	105,107	0	120,194	0	135,278
1/4	1,269	1/4	16,038	1/4	31,128	1/4	45,833	1/4	60,345	1/4	75,237	1/4	90,329	1/4	105,421	1/4	120,508	1/4	135,593
1/2	1,505	1/2	16,353	1/2	31,442	1/2	46,134	1/2	60,648	1/2	75,551	1/2	90,643	1/2	105,736	1/2	120,822	1/2	135,907
3/4	1,741	3/4	16,667	3/4	31,756	3/4	46,436	3/4	60,950	3/4	75,866	3/4	90,958	3/4	106,050	3/4	121,137	3/4	136,221
1	1,977	1	16,981	1	32,071	1	46,738	1	61,253	1	76,180	1	91,272	1	106,365	1	121,451	1	136,535
1/4	2,270	1/4	17,296	1/4	32,385	1/4	47,039	1/4	61,556	1/4	76,494	1/4	91,587	1/4	106,679	1/4	121,765	1/4	136,850
1/2	2,564	1/2	17,610	1/2	32,700	1/2	47,341	1/2	61,858	1/2	76,809	1/2	91,901	1/2	106,993	1/2	122,079	1/2	137,164
3/4	2,858	3/4	17,925	3/4	33,014	3/4	47,643	3/4	62,161	3/4	77,123	3/4	92,216	3/4	107,308	3/4	122,394	3/4	137,478
2	3,152	2	18,239	2	33,329	2	47,945	2	62,463	2	77,438	2	92,530	2	107,622	2	122,708	2	137,792
1/4	3,466	1/4	18,553	1/4	33,643	1/4	48,246	1/4	62,766	1/4	77,752	1/4	92,844	1/4	107,937	1/4	123,022	1/4	138,107
1/2	3,779	1/2	18,868	1/2	33,957	1/2	48,548	1/2	63,069	1/2	78,067	1/2	93,159	1/2	108,251	1/2	123,336	1/2	138,421
3/4	4,093	3/4	19,182	3/4	34,272	3/4	48,850	3/4	63,371	3/4	78,381	3/4	93,473	3/4	108,565	3/4	123,651	3/4	138,735
3	4,406	3	19,497	3	34,586	3	49,152	3	63,674	3	78,695	3	93,788	3	108,880	3	123,965	3	139,050
1/4	4,720	1/4	19,811	1/4	34,901	1/4	49,454	1/4	63,977	1/4	79,010	1/4	94,102	1/4	109,194	1/4	124,279	1/4	139,364
1/2	5,034	1/2	20,126	1/2	35,215	1/2	49,756	1/2	64,279	1/2	79,324	1/2	94,417	1/2	109,509	1/2	124,593	1/2	139,678
3/4	5,349	3/4	20,440	3/4	35,529	3/4	50,058	3/4	64,582	3/4	79,639	3/4	94,731	3/4	109,823	3/4	124,908	3/4	139,992
4	5,663	4	20,754	4	35,844	4	50,359	4	64,884	4	79,953	4	95,045	4	110,137	4	125,222	4	140,307
1/4	5,977	1/4	21,069	1/4	36,152	1/4	50,662	1/4	65,193	1/4	80,268	1/4	95,360	1/4	110,452	1/4	125,536	1/4	140,621
1/2	6,291	1/2	21,383	1/2	36,461	1/2	50,964	1/2	65,502	1/2	80,582	1/2	95,674	1/2	110,766	1/2	125,850	1/2	140,935
3/4	6,606	3/4	21,698	3/4	36,769	3/4	51,266	3/4	65,810	3/4	80,896	3/4	95,989	3/4	111,080	3/4	126,165	3/4	141,249
5	6,920	5	22,012	5	37,078	5	51,569	5	66,119	5	81,211	5	96,303	5	111,394	5	126,479	5	141,564
1/4	7,235	1/4	22,326	1/4	37,381	1/4	51,871	1/4	66,433	1/4	81,525	1/4	96,617	1/4	111,709	1/4	126,793	1/4	141,878
1/2	7,549	1/2	22,641	1/2	37,683	1/2	52,174	1/2	66,747	1/2	81,840	1/2	96,932	1/2	112,023	1/2	127,108	1/2	142,192
3/4	7,863	3/4	22,955	3/4	37,986	3/4	52,476	3/4	67,062	3/4	82,154	3/4	97,246	3/4	112,337	3/4	127,422	3/4	142,506
6	8,178	6	23,270	6	38,288	6	52,779	6	67,376	6	82,469	6	97,561	6	112,651	6	127,736	6	142,821
1/4	8,492	1/4	23,584	1/4	38,591	1/4	53,082	1/4	67,691	1/4	82,783	1/4	97,875	1/4	112,966	1/4	128,050	1/4	143,135
1/2	8,807	1/2	23,898	1/2	38,893	1/2	53,384	1/2	68,005	1/2	83,097	1/2	98,190	1/2	113,280	1/2	128,365	1/2	143,449
3/4	9,121	3/4	24,213	3/4	39,195	3/4	53,687	3/4	68,320	3/4	83,412	3/4	98,504	3/4	113,594	3/4	128,679	3/4	143,763
7	9,436	7	24,527	7	39,497	7	53,990	7	68,634	7	83,726	7	98,818	7	113,908	7	128,993	7	144,078
1/4	9,750	1/4	24,842	1/4	39,799	1/4	54,292	1/4	68,948	1/4	84,041	1/4	99,133	1/4	114,223	1/4	129,307	1/4	144,392
1/2	10,064	1/2	25,156	1/2	40,100	1/2	54,595	1/2	69,263	1/2	84,355	1/2	99,447	1/2	114,537	1/2	129,622	1/2	144,706
3/4	10,379	3/4	25,471	3/4	40,402	3/4	54,898	3/4	69,577	3/4	84,669	3/4	99,762	3/4	114,851	3/4	129,936	3/4	145,021
8	10,693	8	25,785	8	40,704	8	55,200	8	69,892	8	84,984	8	100,076	8	115,165	8	130,250	8	145,335
1/4	11,008	1/4	26,099	1/4	41,006	1/4	55,503	1/4	70,206	1/4	85,298	1/4	100,391	1/4	115,480	1/4	130,564	1/4	145,649
1/2	11,322	1/2	26,414	1/2	41,307	1/2	55,805	1/2	70,520	1/2	85,613	1/2	100,705	1/2	115,794	1/2	130,879	1/2	145,963
3/4	11,636	3/4	26,728	3/4	41,609	3/4	56,108	3/4	70,835	3/4	85,927	3/4	101,019	3/4	116,108	3/4	131,193	3/4	146,278
9	11,951	9	27,042	9	41,911	9	56,411	9	71,149	9	86,242	9	101,334	9	116,423	9	131,507	9	146,592
1/4	12,265	1/4	27,357	1/4	42,212	1/4	56,713	1/4	71,464	1/4	86,556	1/4	101,648	1/4	116,737	1/4	131,821	1/4	146,906
1/2	12,580	1/2	27,671	1/2	42,514	1/2	57,016	1/2	71,778	1/2	86,870	1/2	101,963	1/2	117,051	1/2	132,136	1/2	147,220
3/4	12,894	3/4	27,985	3/4	42,816	3/4	57,319	3/4	72,093	3/4	87,185	3/4	102,277	3/4	117,365	3/4	132,450	3/4	147,535
10	13,208	10	28,299	10	43,117	10	57,621	10	72,407	10	87,499	10	102,591	10	117,680	10	132,764	10	147,849
1/4	13,523	1/4	28,613	1/4	43,419	1/4	57,924	1/4	72,721	1/4	87,814	1/4	102,906	1/4	117,994	1/4	133,079	1/4	148,163
1/2	13,837	1/2	28,927	1/2	43,721	1/2	58,227	1/2	73,036	1/2	88,128	1/2	103,220	1/2	118,308	1/2	133,393	1/2	148,477
3/4	14,152	3/4	29,242	3/4	44,022	3/4	58,529	3/4	73,350	3/4	88,443	3/4	103,535	3/4	118,622	3/4	133,707	3/4	148,792
11	14,466	11	29,556	11	44,324	11	58,832	11	73,665	11	88,757	11	103,849	11	118,937	11	134,021	11	149,106
1/4	14,781	1/4	29,870	1/4	44,626	1/4	59,134	1/4	73,979	1/4	89,071	1/4	104,164	1/4	119,251	1/4	134,336	1/4	149,420
1/2	15,095	1/2	30,185	1/2	44,928	1/2	59,437	1/2	74,294	1/2	89,386	1/2	104,478	1/2	119,565	1/2	134,650	1/2	149,734
3/4	15,409	3/4	30,499	3/4	45,229	3/4	59,740	3/4	74,608	3/4	89,700	3/4	104,792	3/4	119,879	3/4	134,964	3/4	150,049

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 THREADS ON "MMC" VALVE OR 8" HATCH.
 GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD.
 GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 41'-09" 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 3025"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-04 3/4"

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	150,363	0	165,448	0	180,522	0	195,555	0	210,492	0		0		0		0		0	
1/4	150,677	1/4	165,762	1/4	180,835	1/4	195,868	1/4	210,772	1/4		1/4		1/4		1/4		1/4	
1/2	150,992	1/2	166,076	1/2	181,148	1/2	196,182	1/2	211,052	1/2		1/2		1/2		1/2		1/2	
3/4	151,306	3/4	166,390	3/4	181,461	3/4	196,495	3/4	211,332	3/4		3/4		3/4		3/4		3/4	
1	151,620	1	166,705	1	181,774	1	196,808	1	211,613	1		1		1		1		1	
1/4	151,934	1/4	167,019	1/4	182,088	1/4	197,121	1/4	211,844	1/4		1/4		1/4		1/4		1/4	
1/2	152,249	1/2	167,333	1/2	182,401	1/2	197,434	1/2	212,076	1/2		1/2		1/2		1/2		1/2	
3/4	152,563	3/4	167,648	3/4	182,714	3/4	197,748	3/4	212,307	3/4		3/4		3/4		3/4		3/4	
2	152,877	2	167,962	2	183,027	2	198,061	2	212,539	2		2		2		2		2	
1/4	153,191	1/4	168,276	1/4	183,340	1/4	198,374	1/4	212,718	1/4		1/4		1/4		1/4		1/4	
1/2	153,506	1/2	168,590	1/2	183,654	1/2	198,687	1/2	212,898	1/2		1/2		1/2		1/2		1/2	
3/4	153,820	3/4	168,905	3/4	183,967	3/4	199,000	3/4	213,077	3/4		3/4		3/4		3/4		3/4	
3	154,134	3	169,219	3	184,280	3	199,313	3	213,256	3		3		3		3		3	
1/4	154,448	1/4	169,533	1/4	184,593	1/4	199,627	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,763	1/2	169,847	1/2	184,906	1/2	199,940	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,077	3/4	170,162	3/4	185,220	3/4	200,253	3/4		3/4		3/4		3/4		3/4		3/4	
4	155,391	4	170,476	4	185,533	4	200,566	4		4		4		4		4		4	
1/4	155,706	1/4	170,790	1/4	185,846	1/4	200,879	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,020	1/2	171,104	1/2	186,159	1/2	201,193	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,334	3/4	171,419	3/4	186,472	3/4	201,506	3/4		3/4		3/4		3/4		3/4		3/4	
5	156,648	5	171,733	5	186,786	5	201,819	5		5		5		5		5		5	
1/4	156,963	1/4	172,047	1/4	187,099	1/4	202,131	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,277	1/2	172,361	1/2	187,412	1/2	202,442	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,591	3/4	172,676	3/4	187,725	3/4	202,754	3/4		3/4		3/4		3/4		3/4		3/4	
6	157,905	6	172,990	6	188,038	6	203,066	6		6		6		6		6		6	
1/4	158,220	1/4	173,304	1/4	188,352	1/4	203,376	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,534	1/2	173,619	1/2	188,665	1/2	203,686	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,848	3/4	173,933	3/4	188,978	3/4	203,996	3/4		3/4		3/4		3/4		3/4		3/4	
7	159,162	7	174,247	7	189,291	7	204,306	7		7		7		7		7		7	
1/4	159,477	1/4	174,561	1/4	189,604	1/4	204,616	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,791	1/2	174,876	1/2	189,918	1/2	204,926	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,105	3/4	175,190	3/4	190,231	3/4	205,237	3/4		3/4		3/4		3/4		3/4		3/4	
8	160,419	8	175,504	8	190,544	8	205,547	8		8		8		8		8		8	
1/4	160,734	1/4	175,818	1/4	190,857	1/4	205,857	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,048	1/2	176,133	1/2	191,170	1/2	206,167	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,362	3/4	176,447	3/4	191,484	3/4	206,477	3/4		3/4		3/4		3/4		3/4		3/4	
9	161,677	9	176,761	9	191,797	9	206,788	9		9		9		9		9		9	
1/4	161,991	1/4	177,075	1/4	192,110	1/4	207,098	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,305	1/2	177,389	1/2	192,423	1/2	207,408	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,619	3/4	177,702	3/4	192,736	3/4	207,718	3/4		3/4		3/4		3/4		3/4		3/4	
10	162,934	10	178,016	10	193,050	10	208,028	10		10		10		10		10		10	
1/4	163,248	1/4	178,329	1/4	193,363	1/4	208,338	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,562	1/2	178,642	1/2	193,676	1/2	208,648	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,876	3/4	178,956	3/4	193,989	3/4	208,958	3/4		3/4		3/4		3/4		3/4		3/4	
11	164,191	11	179,269	11	194,302	11	209,267	11		11		11		11		11		11	
1/4	164,505	1/4	179,582	1/4	194,616	1/4	209,573	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,819	1/2	179,895	1/2	194,929	1/2	209,879	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,133	3/4	180,208	3/4	195,242	3/4	210,185	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/28/2019 CL
CALCULATED: 10/28/2019 CL
PRINTED: 10/29/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 3025"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

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	1,033	0	15,721	0	30,807	0	45,875	0	60,948	0	76,037	0	91,126	0	106,214	0	121,297	0	136,378
1/4	1,269	1/4	16,035	1/4	31,121	1/4	46,188	1/4	61,263	1/4	76,351	1/4	91,440	1/4	106,529	1/4	121,612	1/4	136,693
1/2	1,505	1/2	16,349	1/2	31,435	1/2	46,502	1/2	61,577	1/2	76,666	1/2	91,754	1/2	106,843	1/2	121,926	1/2	137,007
3/4	1,741	3/4	16,664	3/4	31,750	3/4	46,815	3/4	61,892	3/4	76,980	3/4	92,069	3/4	107,157	3/4	122,240	3/4	137,321
1	1,976	1	16,978	1	32,064	1	47,129	1	62,206	1	77,294	1	92,383	1	107,472	1	122,554	1	137,635
1/4	2,270	1/4	17,292	1/4	32,379	1/4	47,442	1/4	62,520	1/4	77,609	1/4	92,697	1/4	107,786	1/4	122,868	1/4	137,949
1/2	2,564	1/2	17,607	1/2	32,693	1/2	47,755	1/2	62,835	1/2	77,923	1/2	93,012	1/2	108,100	1/2	123,183	1/2	138,264
3/4	2,858	3/4	17,921	3/4	33,007	3/4	48,069	3/4	63,149	3/4	78,237	3/4	93,326	3/4	108,415	3/4	123,497	3/4	138,578
2	3,152	2	18,235	2	33,322	2	48,382	2	63,463	2	78,552	2	93,640	2	108,729	2	123,811	2	138,892
1/4	3,465	1/4	18,550	1/4	33,636	1/4	48,696	1/4	63,778	1/4	78,866	1/4	93,955	1/4	109,043	1/4	124,125	1/4	139,206
1/2	3,779	1/2	18,864	1/2	33,950	1/2	49,009	1/2	64,092	1/2	79,181	1/2	94,269	1/2	109,358	1/2	124,439	1/2	139,520
3/4	4,092	3/4	19,178	3/4	34,265	3/4	49,323	3/4	64,406	3/4	79,495	3/4	94,583	3/4	109,672	3/4	124,754	3/4	139,835
3	4,405	3	19,493	3	34,579	3	49,636	3	64,721	3	79,809	3	94,898	3	109,986	3	125,068	3	140,149
1/4	4,719	1/4	19,807	1/4	34,893	1/4	49,950	1/4	65,035	1/4	80,124	1/4	95,212	1/4	110,301	1/4	125,382	1/4	140,463
1/2	5,033	1/2	20,121	1/2	35,208	1/2	50,264	1/2	65,349	1/2	80,438	1/2	95,526	1/2	110,615	1/2	125,696	1/2	140,777
3/4	5,348	3/4	20,436	3/4	35,522	3/4	50,577	3/4	65,664	3/4	80,752	3/4	95,841	3/4	110,929	3/4	126,010	3/4	141,091
4	5,662	4	20,750	4	35,836	4	50,891	4	65,978	4	81,067	4	96,155	4	111,243	4	126,324	4	141,405
1/4	5,976	1/4	21,064	1/4	36,151	1/4	51,205	1/4	66,292	1/4	81,381	1/4	96,470	1/4	111,558	1/4	126,639	1/4	141,720
1/2	6,290	1/2	21,379	1/2	36,465	1/2	51,519	1/2	66,607	1/2	81,695	1/2	96,784	1/2	111,872	1/2	126,953	1/2	142,034
3/4	6,605	3/4	21,693	3/4	36,779	3/4	51,833	3/4	66,921	3/4	82,010	3/4	97,098	3/4	112,186	3/4	127,267	3/4	142,348
5	6,919	5	22,007	5	37,094	5	52,147	5	67,235	5	82,324	5	97,413	5	112,500	5	127,581	5	142,662
1/4	7,233	1/4	22,322	1/4	37,408	1/4	52,461	1/4	67,550	1/4	82,638	1/4	97,727	1/4	112,814	1/4	127,895	1/4	142,976
1/2	7,548	1/2	22,636	1/2	37,722	1/2	52,776	1/2	67,864	1/2	82,953	1/2	98,041	1/2	113,129	1/2	128,210	1/2	143,291
3/4	7,862	3/4	22,950	3/4	38,037	3/4	53,090	3/4	68,178	3/4	83,267	3/4	98,356	3/4	113,443	3/4	128,524	3/4	143,605
6	8,176	6	23,265	6	38,351	6	53,404	6	68,493	6	83,581	6	98,670	6	113,757	6	128,838	6	143,919
1/4	8,491	1/4	23,579	1/4	38,665	1/4	53,719	1/4	68,807	1/4	83,896	1/4	98,984	1/4	114,071	1/4	129,152	1/4	144,233
1/2	8,805	1/2	23,894	1/2	38,979	1/2	54,033	1/2	69,121	1/2	84,210	1/2	99,299	1/2	114,385	1/2	129,466	1/2	144,547
3/4	9,119	3/4	24,208	3/4	39,293	3/4	54,347	3/4	69,436	3/4	84,524	3/4	99,613	3/4	114,700	3/4	129,781	3/4	144,862
7	9,434	7	24,522	7	39,607	7	54,662	7	69,750	7	84,839	7	99,927	7	115,014	7	130,095	7	145,176
1/4	9,748	1/4	24,837	1/4	39,920	1/4	54,976	1/4	70,065	1/4	85,153	1/4	100,242	1/4	115,328	1/4	130,409	1/4	145,490
1/2	10,062	1/2	25,151	1/2	40,233	1/2	55,290	1/2	70,379	1/2	85,467	1/2	100,556	1/2	115,642	1/2	130,723	1/2	145,804
3/4	10,377	3/4	25,465	3/4	40,547	3/4	55,605	3/4	70,693	3/4	85,782	3/4	100,870	3/4	115,956	3/4	131,037	3/4	146,118
8	10,691	8	25,780	8	40,860	8	55,919	8	71,008	8	86,096	8	101,185	8	116,270	8	131,351	8	146,432
1/4	11,005	1/4	26,094	1/4	41,174	1/4	56,233	1/4	71,322	1/4	86,410	1/4	101,499	1/4	116,585	1/4	131,666	1/4	146,747
1/2	11,320	1/2	26,408	1/2	41,487	1/2	56,548	1/2	71,636	1/2	86,725	1/2	101,813	1/2	116,899	1/2	131,980	1/2	147,061
3/4	11,634	3/4	26,722	3/4	41,800	3/4	56,862	3/4	71,951	3/4	87,039	3/4	102,128	3/4	117,213	3/4	132,294	3/4	147,375
9	11,948	9	27,037	9	42,114	9	57,176	9	72,265	9	87,354	9	102,442	9	117,527	9	132,608	9	147,689
1/4	12,263	1/4	27,351	1/4	42,427	1/4	57,491	1/4	72,579	1/4	87,668	1/4	102,756	1/4	117,841	1/4	132,922	1/4	148,003
1/2	12,577	1/2	27,665	1/2	42,741	1/2	57,805	1/2	72,894	1/2	87,982	1/2	103,071	1/2	118,156	1/2	133,237	1/2	148,318
3/4	12,891	3/4	27,979	3/4	43,054	3/4	58,119	3/4	73,208	3/4	88,297	3/4	103,385	3/4	118,470	3/4	133,551	3/4	148,632
10	13,206	10	28,293	10	43,368	10	58,434	10	73,522	10	88,611	10	103,699	10	118,784	10	133,865	10	148,946
1/4	13,520	1/4	28,607	1/4	43,681	1/4	58,748	1/4	73,837	1/4	88,925	1/4	104,014	1/4	119,098	1/4	134,179	1/4	149,260
1/2	13,834	1/2	28,921	1/2	43,994	1/2	59,062	1/2	74,151	1/2	89,240	1/2	104,328	1/2	119,412	1/2	134,493	1/2	149,574
3/4	14,149	3/4	29,236	3/4	44,308	3/4	59,377	3/4	74,465	3/4	89,554	3/4	104,643	3/4	119,727	3/4	134,808	3/4	149,889
11	14,463	11	29,550	11	44,621	11	59,691	11	74,780	11	89,868	11	104,957	11	120,041	11	135,122	11	150,203
1/4	14,778	1/4	29,864	1/4	44,935	1/4	60,005	1/4	75,094	1/4	90,183	1/4	105,271	1/4	120,355	1/4	135,436	1/4	150,517
1/2	15,092	1/2	30,178	1/2	45,248	1/2	60,320	1/2	75,408	1/2	90,497	1/2	105,586	1/2	120,669	1/2	135,750	1/2	150,831
3/4	15,406	3/4	30,493	3/4	45,561	3/4	60,634	3/4	75,723	3/4	90,811	3/4	105,900	3/4	120,983	3/4	136,064	3/4	151,145

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 THREADS ON "MMC" VALVE OR 8" HATCH.
 GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD.
 GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 41'-09" 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 3025"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

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	151,459	0	166,540	0	181,611	0	196,641	0	211,574	0		0		0		0		0	
1/4	151,774	1/4	166,855	1/4	181,924	1/4	196,954	1/4	211,854	1/4		1/4		1/4		1/4		1/4	
1/2	152,088	1/2	167,169	1/2	182,237	1/2	197,267	1/2	212,134	1/2		1/2		1/2		1/2		1/2	
3/4	152,402	3/4	167,483	3/4	182,550	3/4	197,580	3/4	212,414	3/4		3/4		3/4		3/4		3/4	
1	152,716	1	167,797	1	182,863	1	197,893	1	212,694	1		1		1		1		1	
1/4	153,030	1/4	168,111	1/4	183,176	1/4	198,206	1/4	212,926	1/4		1/4		1/4		1/4		1/4	
1/2	153,345	1/2	168,426	1/2	183,490	1/2	198,519	1/2	213,158	1/2		1/2		1/2		1/2		1/2	
3/4	153,659	3/4	168,740	3/4	183,803	3/4	198,833	3/4	213,389	3/4		3/4		3/4		3/4		3/4	
2	153,973	2	169,054	2	184,116	2	199,146	2	213,621	2		2		2		2		2	
1/4	154,287	1/4	169,368	1/4	184,429	1/4	199,459	1/4	213,800	1/4		1/4		1/4		1/4		1/4	
1/2	154,601	1/2	169,682	1/2	184,742	1/2	199,772	1/2	213,979	1/2		1/2		1/2		1/2		1/2	
3/4	154,916	3/4	169,997	3/4	185,055	3/4	200,085	3/4	214,158	3/4		3/4		3/4		3/4		3/4	
3	155,230	3	170,311	3	185,368	3	200,398	3	214,337	3		3		3		3		3	
1/4	155,544	1/4	170,625	1/4	185,681	1/4	200,711	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,858	1/2	170,939	1/2	185,995	1/2	201,024	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,172	3/4	171,253	3/4	186,308	3/4	201,337	3/4		3/4		3/4		3/4		3/4		3/4	
4	156,486	4	171,567	4	186,621	4	201,651	4		4		4		4		4		4	
1/4	156,801	1/4	171,882	1/4	186,934	1/4	201,964	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,115	1/2	172,196	1/2	187,247	1/2	202,277	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,429	3/4	172,510	3/4	187,560	3/4	202,590	3/4		3/4		3/4		3/4		3/4		3/4	
5	157,743	5	172,824	5	187,873	5	202,903	5		5		5		5		5		5	
1/4	158,057	1/4	173,138	1/4	188,186	1/4	203,215	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,372	1/2	173,453	1/2	188,500	1/2	203,526	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,686	3/4	173,767	3/4	188,813	3/4	203,838	3/4		3/4		3/4		3/4		3/4		3/4	
6	159,000	6	174,081	6	189,126	6	204,149	6		6		6		6		6		6	
1/4	159,314	1/4	174,395	1/4	189,439	1/4	204,459	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,628	1/2	174,709	1/2	189,752	1/2	204,769	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,943	3/4	175,024	3/4	190,065	3/4	205,079	3/4		3/4		3/4		3/4		3/4		3/4	
7	160,257	7	175,338	7	190,378	7	205,389	7		7		7		7		7		7	
1/4	160,571	1/4	175,652	1/4	190,691	1/4	205,700	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,885	1/2	175,966	1/2	191,004	1/2	206,010	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,199	3/4	176,280	3/4	191,318	3/4	206,320	3/4		3/4		3/4		3/4		3/4		3/4	
8	161,513	8	176,594	8	191,631	8	206,630	8		8		8		8		8		8	
1/4	161,828	1/4	176,909	1/4	191,944	1/4	206,940	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,142	1/2	177,223	1/2	192,257	1/2	207,250	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,456	3/4	177,537	3/4	192,570	3/4	207,560	3/4		3/4		3/4		3/4		3/4		3/4	
9	162,770	9	177,851	9	192,883	9	207,871	9		9		9		9		9		9	
1/4	163,084	1/4	178,165	1/4	193,196	1/4	208,181	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,399	1/2	178,479	1/2	193,509	1/2	208,491	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,713	3/4	178,792	3/4	193,823	3/4	208,801	3/4		3/4		3/4		3/4		3/4		3/4	
10	164,027	10	179,106	10	194,136	10	209,111	10		10		10		10		10		10	
1/4	164,341	1/4	179,419	1/4	194,449	1/4	209,421	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,655	1/2	179,732	1/2	194,762	1/2	209,730	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,970	3/4	180,045	3/4	195,075	3/4	210,040	3/4		3/4		3/4		3/4		3/4		3/4	
11	165,284	11	180,358	11	195,388	11	210,350	11		11		11		11		11		11	
1/4	165,598	1/4	180,671	1/4	195,701	1/4	210,656	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,912	1/2	180,985	1/2	196,014	1/2	210,962	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	166,226	3/4	181,298	3/4	196,328	3/4	211,268	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/28/2019 CL
CALCULATED: 10/28/2019 CL
PRINTED: 10/29/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 3025"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/4"

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	1,028	0	15,638	0	30,631	0	45,395	0	59,957	0	74,871	0	89,842	0	104,824	0	119,796	0	134,765
1/4	1,263	1/4	15,950	1/4	30,943	1/4	45,697	1/4	60,269	1/4	75,181	1/4	90,154	1/4	105,136	1/4	120,108	1/4	135,077
1/2	1,498	1/2	16,263	1/2	31,256	1/2	45,999	1/2	60,581	1/2	75,492	1/2	90,466	1/2	105,449	1/2	120,420	1/2	135,389
3/4	1,732	3/4	16,575	3/4	31,568	3/4	46,301	3/4	60,893	3/4	75,802	3/4	90,778	3/4	105,761	3/4	120,732	3/4	135,701
1	1,967	1	16,887	1	31,881	1	46,602	1	61,205	1	76,112	1	91,090	1	106,073	1	121,044	1	136,013
1/4	2,259	1/4	17,200	1/4	32,193	1/4	46,904	1/4	61,517	1/4	76,423	1/4	91,402	1/4	106,385	1/4	121,356	1/4	136,325
1/2	2,552	1/2	17,512	1/2	32,505	1/2	47,207	1/2	61,829	1/2	76,733	1/2	91,714	1/2	106,697	1/2	121,668	1/2	136,637
3/4	2,845	3/4	17,825	3/4	32,818	3/4	47,509	3/4	62,141	3/4	77,044	3/4	92,026	3/4	107,009	3/4	121,979	3/4	136,948
2	3,137	2	18,137	2	33,130	2	47,811	2	62,453	2	77,354	2	92,338	2	107,322	2	122,291	2	137,260
1/4	3,449	1/4	18,449	1/4	33,442	1/4	48,113	1/4	62,764	1/4	77,665	1/4	92,650	1/4	107,634	1/4	122,603	1/4	137,572
1/2	3,761	1/2	18,762	1/2	33,755	1/2	48,416	1/2	63,075	1/2	77,977	1/2	92,962	1/2	107,946	1/2	122,915	1/2	137,884
3/4	4,073	3/4	19,074	3/4	34,067	3/4	48,718	3/4	63,386	3/4	78,288	3/4	93,274	3/4	108,257	3/4	123,227	3/4	138,196
3	4,385	3	19,387	3	34,380	3	49,021	3	63,698	3	78,599	3	93,586	3	108,569	3	123,539	3	138,508
1/4	4,697	1/4	19,699	1/4	34,692	1/4	49,324	1/4	64,008	1/4	78,912	1/4	93,898	1/4	108,881	1/4	123,851	1/4	138,820
1/2	5,010	1/2	20,011	1/2	35,003	1/2	49,626	1/2	64,318	1/2	79,224	1/2	94,210	1/2	109,193	1/2	124,162	1/2	139,131
3/4	5,322	3/4	20,324	3/4	35,315	3/4	49,929	3/4	64,629	3/4	79,536	3/4	94,522	3/4	109,505	3/4	124,474	3/4	139,443
4	5,635	4	20,636	4	35,627	4	50,231	4	64,939	4	79,849	4	94,834	4	109,817	4	124,786	4	139,755
1/4	5,948	1/4	20,949	1/4	35,935	1/4	50,534	1/4	65,249	1/4	80,161	1/4	95,146	1/4	110,129	1/4	125,098	1/4	140,067
1/2	6,260	1/2	21,261	1/2	36,244	1/2	50,836	1/2	65,560	1/2	80,473	1/2	95,458	1/2	110,441	1/2	125,410	1/2	140,379
3/4	6,573	3/4	21,573	3/4	36,552	3/4	51,139	3/4	65,870	3/4	80,786	3/4	95,770	3/4	110,753	3/4	125,722	3/4	140,691
5	6,885	5	21,886	5	36,860	5	51,441	5	66,181	5	81,098	5	96,082	5	111,065	5	126,034	5	141,002
1/4	7,198	1/4	22,198	1/4	37,165	1/4	51,744	1/4	66,491	1/4	81,410	1/4	96,394	1/4	111,376	1/4	126,345	1/4	141,314
1/2	7,510	1/2	22,511	1/2	37,470	1/2	52,046	1/2	66,801	1/2	81,723	1/2	96,706	1/2	111,688	1/2	126,657	1/2	141,625
3/4	7,823	3/4	22,823	3/4	37,775	3/4	52,349	3/4	67,112	3/4	82,035	3/4	97,018	3/4	112,000	3/4	126,969	3/4	141,937
6	8,136	6	23,135	6	38,080	6	52,651	6	67,422	6	82,347	6	97,330	6	112,312	6	127,281	6	142,249
1/4	8,449	1/4	23,448	1/4	38,385	1/4	52,954	1/4	67,732	1/4	82,660	1/4	97,642	1/4	112,624	1/4	127,593	1/4	142,556
1/2	8,761	1/2	23,760	1/2	38,690	1/2	53,256	1/2	68,043	1/2	82,972	1/2	97,954	1/2	112,936	1/2	127,905	1/2	142,863
3/4	9,074	3/4	24,073	3/4	38,996	3/4	53,559	3/4	68,353	3/4	83,284	3/4	98,266	3/4	113,247	3/4	128,217	3/4	143,170
7	9,387	7	24,385	7	39,301	7	53,862	7	68,664	7	83,597	7	98,579	7	113,559	7	128,528	7	143,477
1/4	9,700	1/4	24,697	1/4	39,606	1/4	54,164	1/4	68,974	1/4	83,909	1/4	98,891	1/4	113,871	1/4	128,840	1/4	143,772
1/2	10,013	1/2	25,010	1/2	39,911	1/2	54,467	1/2	69,284	1/2	84,221	1/2	99,203	1/2	114,183	1/2	129,152	1/2	144,067
3/4	10,326	3/4	25,322	3/4	40,216	3/4	54,769	3/4	69,595	3/4	84,534	3/4	99,515	3/4	114,495	3/4	129,464	3/4	144,361
8	10,638	8	25,635	8	40,521	8	55,072	8	69,905	8	84,846	8	99,828	8	114,807	8	129,776	8	144,656
1/4	10,951	1/4	25,947	1/4	40,826	1/4	55,374	1/4	70,215	1/4	85,158	1/4	100,140	1/4	115,119	1/4	130,088	1/4	144,935
1/2	11,264	1/2	26,259	1/2	41,131	1/2	55,677	1/2	70,526	1/2	85,471	1/2	100,452	1/2	115,430	1/2	130,400	1/2	145,213
3/4	11,576	3/4	26,572	3/4	41,436	3/4	55,979	3/4	70,836	3/4	85,783	3/4	100,764	3/4	115,742	3/4	130,711	3/4	145,492
9	11,889	9	26,884	9	41,741	9	56,282	9	71,147	9	86,095	9	101,077	9	116,054	9	131,023	9	145,771
1/4	12,201	1/4	27,196	1/4	42,046	1/4	56,586	1/4	71,457	1/4	86,408	1/4	101,389	1/4	116,366	1/4	131,335	1/4	146,034
1/2	12,514	1/2	27,508	1/2	42,351	1/2	56,890	1/2	71,767	1/2	86,720	1/2	101,701	1/2	116,678	1/2	131,647	1/2	146,297
3/4	12,826	3/4	27,821	3/4	42,656	3/4	57,194	3/4	72,078	3/4	87,032	3/4	102,014	3/4	116,990	3/4	131,959	3/4	146,560
10	13,139	10	28,133	10	42,961	10	57,498	10	72,388	10	87,345	10	102,326	10	117,302	10	132,271	10	146,823
1/4	13,451	1/4	28,445	1/4	43,267	1/4	57,804	1/4	72,698	1/4	87,657	1/4	102,638	1/4	117,613	1/4	132,583	1/4	147,070
1/2	13,763	1/2	28,757	1/2	43,572	1/2	58,110	1/2	73,009	1/2	87,969	1/2	102,950	1/2	117,925	1/2	132,894	1/2	147,317
3/4	14,076	3/4	29,069	3/4	43,877	3/4	58,415	3/4	73,319	3/4	88,281	3/4	103,263	3/4	118,237	3/4	133,206	3/4	147,564
11	14,388	11	29,382	11	44,182	11	58,721	11	73,629	11	88,593	11	103,575	11	118,549	11	133,518	11	147,812
1/4	14,701	1/4	29,694	1/4	44,485	1/4	59,030	1/4	73,940	1/4	88,905	1/4	103,887	1/4	118,861	1/4	133,830	1/4	148,043
1/2	15,013	1/2	30,006	1/2	44,789	1/2	59,339	1/2	74,250	1/2	89,217	1/2	104,199	1/2	119,173	1/2	134,142	1/2	148,274
3/4	15,325	3/4	30,319	3/4	45,092	3/4	59,648	3/4	74,561	3/4	89,529	3/4	104,512	3/4	119,485	3/4	134,454	3/4	148,505

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 THREADS ON "MMC" VALVE OR 8" HATCH.

GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 41'-09" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 40'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HSM 3025"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/4"

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	148,736	0	159,121	0	169,485	0	179,819	0	190,139	0		0		0		0		0	
1/4	148,956	1/4	159,337	1/4	169,700	1/4	180,034	1/4	190,332	1/4		1/4		1/4		1/4		1/4	
1/2	149,176	1/2	159,553	1/2	169,915	1/2	180,250	1/2	190,525	1/2		1/2		1/2		1/2		1/2	
3/4	149,395	3/4	159,770	3/4	170,131	3/4	180,465	3/4	190,718	3/4		3/4		3/4		3/4		3/4	
1	149,615	1	159,986	1	170,346	1	180,680	1	190,911	1		1		1		1		1	
1/4	149,831	1/4	160,202	1/4	170,561	1/4	180,896	1/4	191,071	1/4		1/4		1/4		1/4		1/4	
1/2	150,047	1/2	160,418	1/2	170,776	1/2	181,111	1/2	191,231	1/2		1/2		1/2		1/2		1/2	
3/4	150,263	3/4	160,634	3/4	170,992	3/4	181,326	3/4	191,390	3/4		3/4		3/4		3/4		3/4	
2	150,479	2	160,850	2	171,207	2	181,541	2	191,550	2		2		2		2		2	
1/4	150,695	1/4	161,066	1/4	171,422	1/4	181,757	1/4	191,674	1/4		1/4		1/4		1/4		1/4	
1/2	150,911	1/2	161,282	1/2	171,638	1/2	181,972	1/2	191,797	1/2		1/2		1/2		1/2		1/2	
3/4	151,127	3/4	161,498	3/4	171,853	3/4	182,187	3/4	191,921	3/4		3/4		3/4		3/4		3/4	
3	151,343	3	161,714	3	172,068	3	182,403	3	192,045	3		3		3		3		3	
1/4	151,559	1/4	161,930	1/4	172,284	1/4	182,618	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	151,775	1/2	162,146	1/2	172,499	1/2	182,833	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	151,991	3/4	162,362	3/4	172,714	3/4	183,048	3/4		3/4		3/4		3/4		3/4		3/4	
4	152,207	4	162,578	4	172,929	4	183,264	4		4		4		4		4		4	
1/4	152,423	1/4	162,794	1/4	173,145	1/4	183,479	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,640	1/2	163,010	1/2	173,360	1/2	183,694	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	152,856	3/4	163,226	3/4	173,575	3/4	183,910	3/4		3/4		3/4		3/4		3/4		3/4	
5	153,072	5	163,443	5	173,791	5	184,125	5		5		5		5		5		5	
1/4	153,288	1/4	163,659	1/4	174,006	1/4	184,340	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,504	1/2	163,875	1/2	174,221	1/2	184,556	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,720	3/4	164,091	3/4	174,437	3/4	184,771	3/4		3/4		3/4		3/4		3/4		3/4	
6	153,936	6	164,307	6	174,652	6	184,986	6		6		6		6		6		6	
1/4	154,152	1/4	164,523	1/4	174,867	1/4	185,201	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,368	1/2	164,739	1/2	175,082	1/2	185,417	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,584	3/4	164,955	3/4	175,298	3/4	185,632	3/4		3/4		3/4		3/4		3/4		3/4	
7	154,800	7	165,171	7	175,513	7	185,847	7		7		7		7		7		7	
1/4	155,016	1/4	165,387	1/4	175,728	1/4	186,063	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,232	1/2	165,603	1/2	175,944	1/2	186,278	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,448	3/4	165,819	3/4	176,159	3/4	186,493	3/4		3/4		3/4		3/4		3/4		3/4	
8	155,664	8	166,035	8	176,374	8	186,709	8		8		8		8		8		8	
1/4	155,880	1/4	166,251	1/4	176,590	1/4	186,924	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,097	1/2	166,467	1/2	176,805	1/2	187,140	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,313	3/4	166,683	3/4	177,020	3/4	187,355	3/4		3/4		3/4		3/4		3/4		3/4	
9	156,529	9	166,900	9	177,235	9	187,570	9		9		9		9		9		9	
1/4	156,745	1/4	167,115	1/4	177,451	1/4	187,786	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,961	1/2	167,331	1/2	177,666	1/2	188,001	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,177	3/4	167,547	3/4	177,881	3/4	188,217	3/4		3/4		3/4		3/4		3/4		3/4	
10	157,393	10	167,762	10	178,097	10	188,432	10		10		10		10		10		10	
1/4	157,609	1/4	167,978	1/4	178,312	1/4	188,647	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,825	1/2	168,193	1/2	178,527	1/2	188,862	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,041	3/4	168,408	3/4	178,743	3/4	189,077	3/4		3/4		3/4		3/4		3/4		3/4	
11	158,257	11	168,623	11	178,958	11	189,292	11		11		11		11		11		11	
1/4	158,473	1/4	168,839	1/4	179,173	1/4	189,504	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,689	1/2	169,054	1/2	179,388	1/2	189,715	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,905	3/4	169,269	3/4	179,604	3/4	189,927	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/28/2019 CL
CALCULATED: 10/28/2019 CL
PRINTED: 10/29/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 3025"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/4"

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	1,028	0	15,646	0	30,663	0	45,663	0	60,679	0	75,696	0	90,714	0	105,731	0	120,732	0	135,729
1/4	1,263	1/4	15,959	1/4	30,976	1/4	45,976	1/4	60,992	1/4	76,009	1/4	91,027	1/4	106,044	1/4	121,044	1/4	136,041
1/2	1,498	1/2	16,272	1/2	31,288	1/2	46,289	1/2	61,305	1/2	76,322	1/2	91,339	1/2	106,357	1/2	121,357	1/2	136,354
3/4	1,732	3/4	16,584	3/4	31,601	3/4	46,601	3/4	61,618	3/4	76,635	3/4	91,652	3/4	106,670	3/4	121,669	3/4	136,666
1	1,967	1	16,897	1	31,914	1	46,914	1	61,931	1	76,948	1	91,965	1	106,982	1	121,981	1	136,979
1/4	2,259	1/4	17,210	1/4	32,227	1/4	47,227	1/4	62,243	1/4	77,261	1/4	92,278	1/4	107,295	1/4	122,294	1/4	137,291
1/2	2,552	1/2	17,523	1/2	32,540	1/2	47,539	1/2	62,556	1/2	77,574	1/2	92,591	1/2	107,608	1/2	122,606	1/2	137,604
3/4	2,844	3/4	17,836	3/4	32,853	3/4	47,852	3/4	62,869	3/4	77,886	3/4	92,904	3/4	107,921	3/4	122,919	3/4	137,916
2	3,137	2	18,149	2	33,165	2	48,165	2	63,182	2	78,199	2	93,217	2	108,233	2	123,231	2	138,229
1/4	3,449	1/4	18,461	1/4	33,478	1/4	48,478	1/4	63,495	1/4	78,512	1/4	93,529	1/4	108,546	1/4	123,544	1/4	138,541
1/2	3,761	1/2	18,774	1/2	33,791	1/2	48,790	1/2	63,808	1/2	78,825	1/2	93,842	1/2	108,858	1/2	123,856	1/2	138,853
3/4	4,072	3/4	19,087	3/4	34,104	3/4	49,103	3/4	64,121	3/4	79,138	3/4	94,155	3/4	109,171	3/4	124,169	3/4	139,166
3	4,384	3	19,400	3	34,417	3	49,416	3	64,433	3	79,451	3	94,468	3	109,484	3	124,481	3	139,478
1/4	4,697	1/4	19,713	1/4	34,729	1/4	49,729	1/4	64,746	1/4	79,764	1/4	94,781	1/4	109,796	1/4	124,793	1/4	139,791
1/2	5,010	1/2	20,026	1/2	35,042	1/2	50,042	1/2	65,059	1/2	80,076	1/2	95,094	1/2	110,109	1/2	125,106	1/2	140,103
3/4	5,322	3/4	20,339	3/4	35,355	3/4	50,355	3/4	65,372	3/4	80,389	3/4	95,407	3/4	110,421	3/4	125,418	3/4	140,416
4	5,635	4	20,651	4	35,667	4	50,668	4	65,685	4	80,702	4	95,719	4	110,734	4	125,731	4	140,728
1/4	5,948	1/4	20,964	1/4	35,980	1/4	50,980	1/4	65,998	1/4	81,015	1/4	96,032	1/4	111,046	1/4	126,043	1/4	141,040
1/2	6,260	1/2	21,277	1/2	36,292	1/2	51,293	1/2	66,311	1/2	81,328	1/2	96,345	1/2	111,358	1/2	126,356	1/2	141,353
3/4	6,573	3/4	21,590	3/4	36,604	3/4	51,606	3/4	66,623	3/4	81,641	3/4	96,658	3/4	111,671	3/4	126,668	3/4	141,665
5	6,886	5	21,903	5	36,917	5	51,919	5	66,936	5	81,954	5	96,971	5	111,983	5	126,981	5	141,978
1/4	7,199	1/4	22,216	1/4	37,229	1/4	52,232	1/4	67,249	1/4	82,267	1/4	97,284	1/4	112,296	1/4	127,293	1/4	142,290
1/2	7,512	1/2	22,529	1/2	37,542	1/2	52,545	1/2	67,562	1/2	82,579	1/2	97,597	1/2	112,608	1/2	127,605	1/2	142,602
3/4	7,825	3/4	22,841	3/4	37,854	3/4	52,858	3/4	67,875	3/4	82,892	3/4	97,910	3/4	112,921	3/4	127,918	3/4	142,914
6	8,137	6	23,154	6	38,166	6	53,170	6	68,188	6	83,205	6	98,222	6	113,233	6	128,230	6	143,226
1/4	8,450	1/4	23,467	1/4	38,479	1/4	53,483	1/4	68,501	1/4	83,518	1/4	98,535	1/4	113,545	1/4	128,543	1/4	143,534
1/2	8,763	1/2	23,780	1/2	38,791	1/2	53,796	1/2	68,814	1/2	83,831	1/2	98,848	1/2	113,858	1/2	128,855	1/2	143,842
3/4	9,076	3/4	24,093	3/4	39,103	3/4	54,109	3/4	69,126	3/4	84,144	3/4	99,161	3/4	114,170	3/4	129,168	3/4	144,149
7	9,389	7	24,406	7	39,416	7	54,422	7	69,439	7	84,457	7	99,474	7	114,483	7	129,480	7	144,457
1/4	9,702	1/4	24,719	1/4	39,728	1/4	54,735	1/4	69,752	1/4	84,769	1/4	99,787	1/4	114,795	1/4	129,793	1/4	144,752
1/2	10,015	1/2	25,031	1/2	40,040	1/2	55,048	1/2	70,065	1/2	85,082	1/2	100,100	1/2	115,108	1/2	130,105	1/2	145,048
3/4	10,327	3/4	25,344	3/4	40,353	3/4	55,361	3/4	70,378	3/4	85,395	3/4	100,412	3/4	115,420	3/4	130,417	3/4	145,343
8	10,640	8	25,657	8	40,665	8	55,673	8	70,691	8	85,708	8	100,725	8	115,733	8	130,730	8	145,638
1/4	10,953	1/4	25,970	1/4	40,978	1/4	55,986	1/4	71,004	1/4	86,021	1/4	101,038	1/4	116,045	1/4	131,042	1/4	145,918
1/2	11,266	1/2	26,283	1/2	41,290	1/2	56,299	1/2	71,316	1/2	86,334	1/2	101,351	1/2	116,357	1/2	131,355	1/2	146,197
3/4	11,579	3/4	26,596	3/4	41,602	3/4	56,612	3/4	71,629	3/4	86,647	3/4	101,664	3/4	116,670	3/4	131,667	3/4	146,476
9	11,892	9	26,908	9	41,915	9	56,925	9	71,942	9	86,959	9	101,977	9	116,982	9	131,980	9	146,755
1/4	12,204	1/4	27,221	1/4	42,227	1/4	57,238	1/4	72,255	1/4	87,272	1/4	102,290	1/4	117,295	1/4	132,292	1/4	147,019
1/2	12,517	1/2	27,534	1/2	42,539	1/2	57,551	1/2	72,568	1/2	87,585	1/2	102,602	1/2	117,607	1/2	132,605	1/2	147,282
3/4	12,830	3/4	27,847	3/4	42,852	3/4	57,863	3/4	72,881	3/4	87,898	3/4	102,915	3/4	117,920	3/4	132,917	3/4	147,545
10	13,143	10	28,160	10	43,164	10	58,176	10	73,194	10	88,211	10	103,228	10	118,232	10	133,229	10	147,808
1/4	13,456	1/4	28,473	1/4	43,476	1/4	58,489	1/4	73,506	1/4	88,524	1/4	103,541	1/4	118,545	1/4	133,542	1/4	148,056
1/2	13,769	1/2	28,786	1/2	43,789	1/2	58,802	1/2	73,819	1/2	88,837	1/2	103,854	1/2	118,857	1/2	133,854	1/2	148,303
3/4	14,082	3/4	29,098	3/4	44,101	3/4	59,115	3/4	74,132	3/4	89,149	3/4	104,167	3/4	119,169	3/4	134,167	3/4	148,550
11	14,394	11	29,411	11	44,414	11	59,428	11	74,445	11	89,462	11	104,480	11	119,482	11	134,479	11	148,798
1/4	14,707	1/4	29,724	1/4	44,726	1/4	59,741	1/4	74,758	1/4	89,775	1/4	104,792	1/4	119,794	1/4	134,792	1/4	149,029
1/2	15,020	1/2	30,037	1/2	45,038	1/2	60,053	1/2	75,071	1/2	90,088	1/2	105,105	1/2	120,107	1/2	135,104	1/2	149,260
3/4	15,333	3/4	30,350	3/4	45,351	3/4	60,366	3/4	75,384	3/4	90,401	3/4	105,418	3/4	120,419	3/4	135,417	3/4	149,491

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 THREADS ON "MMC" VALVE OR 8" HATCH.

GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 41'-09" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 40'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "HSM 3025"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/4"

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	149,722	0	160,104	0	170,464	0	180,795	0	191,112	0		0		0		0		0	
1/4	149,942	1/4	160,320	1/4	170,679	1/4	181,011	1/4	191,305	1/4		1/4		1/4		1/4		1/4	
1/2	150,161	1/2	160,536	1/2	170,895	1/2	181,226	1/2	191,498	1/2		1/2		1/2		1/2		1/2	
3/4	150,381	3/4	160,752	3/4	171,110	3/4	181,441	3/4	191,691	3/4		3/4		3/4		3/4		3/4	
1	150,600	1	160,968	1	171,325	1	181,656	1	191,884	1		1		1		1		1	
1/4	150,816	1/4	161,184	1/4	171,540	1/4	181,871	1/4	192,044	1/4		1/4		1/4		1/4		1/4	
1/2	151,032	1/2	161,400	1/2	171,756	1/2	182,087	1/2	192,204	1/2		1/2		1/2		1/2		1/2	
3/4	151,248	3/4	161,616	3/4	171,971	3/4	182,302	3/4	192,363	3/4		3/4		3/4		3/4		3/4	
2	151,464	2	161,832	2	172,186	2	182,517	2	192,523	2		2		2		2		2	
1/4	151,680	1/4	162,048	1/4	172,401	1/4	182,732	1/4	192,646	1/4		1/4		1/4		1/4		1/4	
1/2	151,896	1/2	162,264	1/2	172,616	1/2	182,948	1/2	192,770	1/2		1/2		1/2		1/2		1/2	
3/4	152,112	3/4	162,480	3/4	172,832	3/4	183,163	3/4	192,894	3/4		3/4		3/4		3/4		3/4	
3	152,328	3	162,696	3	173,047	3	183,378	3	193,017	3		3		3		3		3	
1/4	152,544	1/4	162,912	1/4	173,262	1/4	183,593	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,760	1/2	163,128	1/2	173,477	1/2	183,809	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	152,976	3/4	163,344	3/4	173,693	3/4	184,024	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,192	4	163,560	4	173,908	4	184,239	4		4		4		4		4		4	
1/4	153,408	1/4	163,776	1/4	174,123	1/4	184,454	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,624	1/2	163,992	1/2	174,338	1/2	184,670	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,840	3/4	164,208	3/4	174,554	3/4	184,885	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,056	5	164,424	5	174,769	5	185,100	5		5		5		5		5		5	
1/4	154,272	1/4	164,640	1/4	174,984	1/4	185,315	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,488	1/2	164,856	1/2	175,199	1/2	185,530	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,704	3/4	165,072	3/4	175,415	3/4	185,746	3/4		3/4		3/4		3/4		3/4		3/4	
6	154,920	6	165,288	6	175,630	6	185,961	6		6		6		6		6		6	
1/4	155,136	1/4	165,504	1/4	175,845	1/4	186,176	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,352	1/2	165,720	1/2	176,060	1/2	186,391	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,568	3/4	165,936	3/4	176,275	3/4	186,607	3/4		3/4		3/4		3/4		3/4		3/4	
7	155,784	7	166,152	7	176,491	7	186,822	7		7		7		7		7		7	
1/4	156,000	1/4	166,368	1/4	176,706	1/4	187,037	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,216	1/2	166,584	1/2	176,921	1/2	187,252	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,432	3/4	166,800	3/4	177,136	3/4	187,468	3/4		3/4		3/4		3/4		3/4		3/4	
8	156,648	8	167,016	8	177,352	8	187,683	8		8		8		8		8		8	
1/4	156,864	1/4	167,232	1/4	177,567	1/4	187,898	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,080	1/2	167,448	1/2	177,782	1/2	188,114	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,296	3/4	167,664	3/4	177,997	3/4	188,329	3/4		3/4		3/4		3/4		3/4		3/4	
9	157,512	9	167,880	9	178,213	9	188,544	9		9		9		9		9		9	
1/4	157,728	1/4	168,095	1/4	178,428	1/4	188,760	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,944	1/2	168,311	1/2	178,643	1/2	188,975	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,160	3/4	168,527	3/4	178,858	3/4	189,190	3/4		3/4		3/4		3/4		3/4		3/4	
10	158,376	10	168,742	10	179,073	10	189,406	10		10		10		10		10		10	
1/4	158,592	1/4	168,958	1/4	179,289	1/4	189,621	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,808	1/2	169,173	1/2	179,504	1/2	189,835	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,024	3/4	169,388	3/4	179,719	3/4	190,050	3/4		3/4		3/4		3/4		3/4		3/4	
11	159,240	11	169,603	11	179,934	11	190,265	11		11		11		11		11		11	
1/4	159,456	1/4	169,818	1/4	180,150	1/4	190,477	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,672	1/2	170,034	1/2	180,365	1/2	190,689	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,888	3/4	170,249	3/4	180,580	3/4	190,900	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/28/2019 CL
CALCULATED: 10/28/2019 CL
PRINTED: 10/29/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 3025"

PORT SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-07 1/2"

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	96	0	1,251	0	2,406	0	3,560	0	4,715	0		0		0		0		0	
1/4	120	1/4	1,275	1/4	2,430	1/4	3,584	1/4	4,739	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	144	1/2	1,299	1/2	2,454	1/2	3,608	1/2	4,762	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	168	3/4	1,323	3/4	2,478	3/4	3,632	3/4	4,786	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
1	193	1	1,347	1	2,502	1	3,656	1	4,810	1		1		1	1	1	1	1	1
1/4	217	1/4	1,371	1/4	2,526	1/4	3,680	1/4	4,833	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	241	1/2	1,395	1/2	2,550	1/2	3,704	1/2	4,857	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	265	3/4	1,419	3/4	2,574	3/4	3,728	3/4	4,881	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
2	289	2	1,444	2	2,597	2	3,752	2	4,904	2		2		2	2	2	2	2	2
1/4	313	1/4	1,468	1/4	2,622	1/4	3,776	1/4	4,928	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	337	1/2	1,492	1/2	2,646	1/2	3,800	1/2	4,952	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	361	3/4	1,516	3/4	2,670	3/4	3,825	3/4	4,975	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
3	385	3	1,540	3	2,694	3	3,849	3	4,999	3		3		3	3	3	3	3	3
1/4	409	1/4	1,564	1/4	2,718	1/4	3,873	1/4	5,023	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	433	1/2	1,588	1/2	2,742	1/2	3,897	1/2	5,046	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	457	3/4	1,612	3/4	2,766	3/4	3,921	3/4	5,070	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
4	481	4	1,636	4	2,790	4	3,945	4	5,093	4		4		4	4	4	4	4	4
1/4	505	1/4	1,660	1/4	2,814	1/4	3,969	1/4	5,105	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	529	1/2	1,684	1/2	2,838	1/2	3,993	1/2	5,117	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	553	3/4	1,708	3/4	2,862	3/4	4,017	3/4	5,128	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	578	5	1,732	5	2,886	5	4,041	5	5,140	5		5		5	5	5	5	5	5
1/4	602	1/4	1,756	1/4	2,910	1/4	4,065	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	626	1/2	1,780	1/2	2,934	1/2	4,089	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	650	3/4	1,805	3/4	2,958	3/4	4,113	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	674	6	1,829	6	2,982	6	4,137	6		6		6		6	6	6	6	6	6
1/4	698	1/4	1,853	1/4	3,006	1/4	4,161	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	722	1/2	1,877	1/2	3,030	1/2	4,185	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	746	3/4	1,901	3/4	3,054	3/4	4,210	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	770	7	1,925	7	3,079	7	4,234	7		7		7		7	7	7	7	7	7
1/4	794	1/4	1,949	1/4	3,103	1/4	4,258	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	818	1/2	1,973	1/2	3,127	1/2	4,282	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	842	3/4	1,997	3/4	3,151	3/4	4,306	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	866	8	2,021	8	3,175	8	4,330	8		8		8		8	8	8	8	8	8
1/4	890	1/4	2,045	1/4	3,199	1/4	4,354	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	914	1/2	2,069	1/2	3,223	1/2	4,378	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	938	3/4	2,093	3/4	3,247	3/4	4,402	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	963	9	2,117	9	3,271	9	4,426	9		9		9		9	9	9	9	9	9
1/4	987	1/4	2,141	1/4	3,295	1/4	4,450	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,011	1/2	2,165	1/2	3,319	1/2	4,474	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,035	3/4	2,190	3/4	3,343	3/4	4,498	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,059	10	2,214	10	3,367	10	4,522	10		10		10		10	10	10	10	10	10
1/4	1,083	1/4	2,238	1/4	3,391	1/4	4,546	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,107	1/2	2,262	1/2	3,415	1/2	4,570	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,131	3/4	2,286	3/4	3,440	3/4	4,595	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,155	11	2,310	11	3,464	11	4,619	11		11		11		11	11	11	11	11	11
1/4	1,179	1/4	2,334	1/4	3,488	1/4	4,643	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,203	1/2	2,358	1/2	3,512	1/2	4,667	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,227	3/4	2,382	3/4	3,536	3/4	4,691	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.

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 AT GAUGE POINT

STRAPPED: 10/28/2019 CL
CALCULATED: 10/28/2019 CL
PRINTED: 10/29/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019

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



BARGE "HSM 3025"

STBD SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-07 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	96	0	1,251	0	2,406	0	3,560	0	4,715	0		0		0		0		0	
1/4	120	1/4	1,275	1/4	2,430	1/4	3,584	1/4	4,739	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	144	1/2	1,299	1/2	2,454	1/2	3,608	1/2	4,762	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	168	3/4	1,323	3/4	2,478	3/4	3,632	3/4	4,786	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
1	193	1	1,347	1	2,502	1	3,656	1	4,810	1		1		1	1	1	1	1	1
1/4	217	1/4	1,371	1/4	2,526	1/4	3,680	1/4	4,833	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	241	1/2	1,395	1/2	2,550	1/2	3,704	1/2	4,857	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	265	3/4	1,419	3/4	2,574	3/4	3,728	3/4	4,881	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
2	289	2	1,444	2	2,597	2	3,752	2	4,904	2		2		2	2	2	2	2	2
1/4	313	1/4	1,468	1/4	2,622	1/4	3,776	1/4	4,928	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	337	1/2	1,492	1/2	2,646	1/2	3,800	1/2	4,952	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	361	3/4	1,516	3/4	2,670	3/4	3,825	3/4	4,975	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
3	385	3	1,540	3	2,694	3	3,849	3	4,999	3		3		3	3	3	3	3	3
1/4	409	1/4	1,564	1/4	2,718	1/4	3,873	1/4	5,023	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	433	1/2	1,588	1/2	2,742	1/2	3,897	1/2	5,046	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	457	3/4	1,612	3/4	2,766	3/4	3,921	3/4	5,070	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
4	481	4	1,636	4	2,790	4	3,945	4	5,093	4		4		4	4	4	4	4	4
1/4	505	1/4	1,660	1/4	2,814	1/4	3,969	1/4	5,105	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	529	1/2	1,684	1/2	2,838	1/2	3,993	1/2	5,117	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	553	3/4	1,708	3/4	2,862	3/4	4,017	3/4	5,128	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	578	5	1,732	5	2,886	5	4,041	5	5,140	5		5		5	5	5	5	5	5
1/4	602	1/4	1,756	1/4	2,910	1/4	4,065	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	626	1/2	1,780	1/2	2,934	1/2	4,089	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	650	3/4	1,805	3/4	2,958	3/4	4,113	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	674	6	1,829	6	2,982	6	4,137	6		6		6		6	6	6	6	6	6
1/4	698	1/4	1,853	1/4	3,006	1/4	4,161	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	722	1/2	1,877	1/2	3,030	1/2	4,185	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	746	3/4	1,901	3/4	3,054	3/4	4,210	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	770	7	1,925	7	3,079	7	4,234	7		7		7		7	7	7	7	7	7
1/4	794	1/4	1,949	1/4	3,103	1/4	4,258	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	818	1/2	1,973	1/2	3,127	1/2	4,282	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	842	3/4	1,997	3/4	3,151	3/4	4,306	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	866	8	2,021	8	3,175	8	4,330	8		8		8		8	8	8	8	8	8
1/4	890	1/4	2,045	1/4	3,199	1/4	4,354	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	914	1/2	2,069	1/2	3,223	1/2	4,378	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	938	3/4	2,093	3/4	3,247	3/4	4,402	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	963	9	2,117	9	3,271	9	4,426	9		9		9		9	9	9	9	9	9
1/4	987	1/4	2,141	1/4	3,295	1/4	4,450	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,011	1/2	2,165	1/2	3,319	1/2	4,474	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,035	3/4	2,190	3/4	3,343	3/4	4,498	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,059	10	2,214	10	3,367	10	4,522	10		10		10		10	10	10	10	10	10
1/4	1,083	1/4	2,238	1/4	3,391	1/4	4,546	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,107	1/2	2,262	1/2	3,415	1/2	4,570	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,131	3/4	2,286	3/4	3,440	3/4	4,595	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,155	11	2,310	11	3,464	11	4,619	11		11		11		11	11	11	11	11	11
1/4	1,179	1/4	2,334	1/4	3,488	1/4	4,643	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,203	1/2	2,358	1/2	3,512	1/2	4,667	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,227	3/4	2,382	3/4	3,536	3/4	4,691	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.

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CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT

STRAPPED: 10/28/2019 CL
CALCULATED: 10/28/2019 CL
PRINTED: 10/29/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019

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



BARGE "HSM 3025"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GUAGE HEIGHT 4'-06"

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	99	0	254	0	406	0		0		0		0		0		0	
1/4	1	1/4	102	1/4	257	1/4	409	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1	1/2	105	1/2	260	1/2	411	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	108	3/4	264	3/4	414	3/4		3/4		3/4		3/4		3/4		3/4	
1	3	1	111	1	267	1	417	1		1		1		1		1		1	
1/4	4	1/4	114	1/4	270	1/4	420	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	5	1/2	117	1/2	274	1/2	422	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	6	3/4	120	3/4	277	3/4	425	3/4		3/4		3/4		3/4		3/4		3/4	
2	7	2	123	2	280	2	428	2		2		2		2		2		2	
1/4	9	1/4	126	1/4	284	1/4	430	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	10	1/2	130	1/2	287	1/2	433	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	12	3/4	133	3/4	290	3/4	435	3/4		3/4		3/4		3/4		3/4		3/4	
3	13	3	136	3	294	3	438	3		3		3		3		3		3	
1/4	15	1/4	139	1/4	297	1/4	441	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	17	1/2	142	1/2	300	1/2	443	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	19	3/4	145	3/4	303	3/4	445	3/4		3/4		3/4		3/4		3/4		3/4	
4	20	4	148	4	307	4	448	4		4		4		4		4		4	
1/4	22	1/4	152	1/4	310	1/4	450	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	24	1/2	155	1/2	313	1/2	452	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	26	3/4	158	3/4	317	3/4	455	3/4		3/4		3/4		3/4		3/4		3/4	
5	28	5	161	5	320	5	457	5		5		5		5		5		5	
1/4	30	1/4	164	1/4	323	1/4	459	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	32	1/2	168	1/2	326	1/2	461	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	35	3/4	171	3/4	330	3/4	464	3/4		3/4		3/4		3/4		3/4		3/4	
6	37	6	174	6	333	6	466	6		6		6		6		6		6	
1/4	39	1/4	177	1/4	336	1/4	468	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	41	1/2	181	1/2	339	1/2	470	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	44	3/4	184	3/4	342	3/4	472	3/4		3/4		3/4		3/4		3/4		3/4	
7	46	7	187	7	346	7	474	7		7		7		7		7		7	
1/4	48	1/4	190	1/4	349	1/4	475	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	51	1/2	194	1/2	352	1/2	477	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	53	3/4	197	3/4	355	3/4	479	3/4		3/4		3/4		3/4		3/4		3/4	
8	56	8	200	8	358	8	481	8		8		8		8		8		8	
1/4	58	1/4	204	1/4	361	1/4	482	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	61	1/2	207	1/2	364	1/2	484	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	63	3/4	210	3/4	367	3/4	485	3/4		3/4		3/4		3/4		3/4		3/4	
9	66	9	214	9	370	9	487	9		9		9		9		9		9	
1/4	69	1/4	217	1/4	373	1/4	488	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	71	1/2	220	1/2	376	1/2	489	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	74	3/4	224	3/4	380	3/4	490	3/4		3/4		3/4		3/4		3/4		3/4	
10	77	10	227	10	383	10	491	10		10		10		10		10		10	
1/4	80	1/4	230	1/4	386	1/4	492	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	82	1/2	234	1/2	388	1/2	493	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	85	3/4	237	3/4	391	3/4	493	3/4		3/4		3/4		3/4		3/4		3/4	
11	88	11	240	11	394	11	494	11		11		11		11		11		11	
1/4	91	1/4	244	1/4	397	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	94	1/2	247	1/2	400	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	97	3/4	250	3/4	403	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

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