



BARGE "HSM 4106"

ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 1'-00"
 AFT DRAFT = 5'-00"
 DIFF. = 4'-00" (DOWN BY STERN)

THE CORRECTION FOR 4'-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 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 238'-06"

November 14, 2024

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HSM 4106"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 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		0		0	206,717	0	191,795	0	176,827	0	161,820	0	146,808	0	131,796	0	116,784	0	101,769
1/4		1/4		1/4	206,408	1/4	191,484	1/4	176,515	1/4	161,508	1/4	146,495	1/4	131,483	1/4	116,471	1/4	101,456
1/2		1/2		1/2	206,098	1/2	191,172	1/2	176,203	1/2	161,195	1/2	146,183	1/2	131,171	1/2	116,158	1/2	101,144
3/4		3/4		3/4	205,789	3/4	190,860	3/4	175,891	3/4	160,882	3/4	145,870	3/4	130,858	3/4	115,846	3/4	100,831
1		1		1	205,479	1	190,548	1	175,580	1	160,569	1	145,557	1	130,545	1	115,533	1	100,518
1/4		1/4		1/4	205,169	1/4	190,236	1/4	175,268	1/4	160,257	1/4	145,244	1/4	130,232	1/4	115,220	1/4	100,205
1/2		1/2		1/2	204,859	1/2	189,924	1/2	174,955	1/2	159,944	1/2	144,932	1/2	129,920	1/2	114,907	1/2	99,892
3/4		3/4		3/4	204,550	3/4	189,612	3/4	174,643	3/4	159,631	3/4	144,619	3/4	129,607	3/4	114,595	3/4	99,579
2		2		2	204,240	2	189,301	2	174,330	2	159,318	2	144,306	2	129,294	2	114,282	2	99,266
1/4		1/4		1/4	203,930	1/4	188,989	1/4	174,018	1/4	159,006	1/4	143,993	1/4	128,981	1/4	113,969	1/4	98,953
1/2		1/2		1/2	203,620	1/2	188,677	1/2	173,705	1/2	158,693	1/2	143,681	1/2	128,669	1/2	113,656	1/2	98,640
3/4		3/4		3/4	203,310	3/4	188,365	3/4	173,392	3/4	158,380	3/4	143,368	3/4	128,356	3/4	113,344	3/4	98,328
3		3		3	203,000	3	188,053	3	173,079	3	158,067	3	143,055	3	128,043	3	113,031	3	98,015
1/4		1/4		1/4	202,691	1/4	187,741	1/4	172,767	1/4	157,755	1/4	142,742	1/4	127,730	1/4	112,718	1/4	97,702
1/2		1/2		1/2	202,381	1/2	187,430	1/2	172,454	1/2	157,442	1/2	142,430	1/2	127,417	1/2	112,405	1/2	97,389
3/4		3/4		3/4	202,071	3/4	187,118	3/4	172,141	3/4	157,129	3/4	142,117	3/4	127,105	3/4	112,093	3/4	97,076
4		4		4	201,761	4	186,806	4	171,828	4	156,816	4	141,804	4	126,792	4	111,780	4	96,763
1/4		1/4		1/4	201,452	1/4	186,494	1/4	171,516	1/4	156,504	1/4	141,491	1/4	126,479	1/4	111,467	1/4	96,450
1/2		1/2		1/2	201,142	1/2	186,182	1/2	171,203	1/2	156,191	1/2	141,179	1/2	126,166	1/2	111,154	1/2	96,137
3/4		3/4		3/4	200,832	3/4	185,870	3/4	170,890	3/4	155,878	3/4	140,866	3/4	125,854	3/4	110,842	3/4	95,824
5		5		5	200,523	5	185,559	5	170,577	5	155,565	5	140,553	5	125,541	5	110,529	5	95,512
1/4		1/4		1/4	200,213	1/4	185,247	1/4	170,265	1/4	155,253	1/4	140,240	1/4	125,228	1/4	110,216	1/4	95,199
1/2		1/2		1/2	199,902	1/2	184,935	1/2	169,952	1/2	154,940	1/2	139,928	1/2	124,915	1/2	109,903	1/2	94,886
3/4		3/4		3/4	199,590	3/4	184,623	3/4	169,639	3/4	154,627	3/4	139,615	3/4	124,603	3/4	109,591	3/4	94,573
6		6		6	199,279	6	184,311	6	169,326	6	154,314	6	139,302	6	124,290	6	109,278	6	94,260
1/4		1/4		1/4	198,968	1/4	183,999	1/4	169,014	1/4	154,002	1/4	138,989	1/4	123,977	1/4	108,965	1/4	93,947
1/2		1/2		1/2	198,656	1/2	183,688	1/2	168,701	1/2	153,689	1/2	138,677	1/2	123,664	1/2	108,652	1/2	93,634
3/4		3/4		3/4	198,344	3/4	183,376	3/4	168,388	3/4	153,376	3/4	138,364	3/4	123,352	3/4	108,340	3/4	93,321
7		7		7	198,032	7	183,064	7	168,075	7	153,063	7	138,051	7	123,039	7	108,027	7	93,008
1/4		1/4	211,476	1/4	197,720	1/4	182,752	1/4	167,763	1/4	152,750	1/4	137,738	1/4	122,726	1/4	107,714	1/4	92,696
1/2		1/2	211,310	1/2	197,408	1/2	182,440	1/2	167,450	1/2	152,438	1/2	137,426	1/2	122,413	1/2	107,401	1/2	92,383
3/4		3/4	211,143	3/4	197,097	3/4	182,128	3/4	167,137	3/4	152,125	3/4	137,113	3/4	122,101	3/4	107,088	3/4	92,070
8		8	210,977	8	196,785	8	181,816	8	166,824	8	151,812	8	136,800	8	121,788	8	106,775	8	91,757
1/4		1/4	210,810	1/4	196,473	1/4	181,505	1/4	166,512	1/4	151,499	1/4	136,487	1/4	121,475	1/4	106,463	1/4	91,444
1/2		1/2	210,592	1/2	196,161	1/2	181,193	1/2	166,199	1/2	151,187	1/2	136,175	1/2	121,162	1/2	106,150	1/2	91,131
3/4		3/4	210,373	3/4	195,849	3/4	180,881	3/4	165,886	3/4	150,874	3/4	135,862	3/4	120,850	3/4	105,837	3/4	90,818
9		9	210,155	9	195,537	9	180,569	9	165,573	9	150,561	9	135,549	9	120,537	9	105,524	9	90,505
1/4		1/4	209,936	1/4	195,226	1/4	180,257	1/4	165,261	1/4	150,248	1/4	135,236	1/4	120,224	1/4	105,211	1/4	90,192
1/2		1/2	209,665	1/2	194,914	1/2	179,945	1/2	164,948	1/2	149,936	1/2	134,924	1/2	119,911	1/2	104,898	1/2	89,880
3/4		3/4	209,395	3/4	194,602	3/4	179,634	3/4	164,635	3/4	149,623	3/4	134,611	3/4	119,599	3/4	104,585	3/4	89,567
10		10	209,124	10	194,290	10	179,322	10	164,322	10	149,310	10	134,298	10	119,286	10	104,272	10	89,254
1/4		1/4	208,853	1/4	193,978	1/4	179,010	1/4	164,010	1/4	148,997	1/4	133,985	1/4	118,973	1/4	103,960	1/4	88,941
1/2		1/2	208,551	1/2	193,666	1/2	178,698	1/2	163,697	1/2	148,685	1/2	133,673	1/2	118,660	1/2	103,647	1/2	88,628
3/4		3/4	208,249	3/4	193,355	3/4	178,386	3/4	163,384	3/4	148,372	3/4	133,360	3/4	118,348	3/4	103,334	3/4	88,315
11		11	207,947	11	193,043	11	178,074	11	163,071	11	148,059	11	133,047	11	118,035	11	103,021	11	88,002
1/4		1/4	207,645	1/4	192,731	1/4	177,763	1/4	162,759	1/4	147,746	1/4	132,734	1/4	117,722	1/4	102,708	1/4	87,689
1/2		1/2	207,335	1/2	192,419	1/2	177,451	1/2	162,446	1/2	147,434	1/2	132,422	1/2	117,409	1/2	102,395	1/2	87,376
3/4		3/4	207,026	3/4	192,107	3/4	177,139	3/4	162,133	3/4	147,121	3/4	132,109	3/4	117,097	3/4	102,082	3/4	87,064

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 OF 2" MMC VALVE
 GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "HSM 4106"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 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	86,751	0	71,732	0	56,766	0	41,800	0	26,781	0	11,987	0		0		0		0	
1/4	86,438	1/4	71,419	1/4	56,455	1/4	41,487	1/4	26,468	1/4	11,693	1/4		1/4		1/4		1/4	
1/2	86,125	1/2	71,106	1/2	56,145	1/2	41,174	1/2	26,156	1/2	11,403	1/2		1/2		1/2		1/2	
3/4	85,812	3/4	70,793	3/4	55,834	3/4	40,861	3/4	25,843	3/4	11,113	3/4		3/4		3/4		3/4	
1	85,499	1	70,480	1	55,523	1	40,548	1	25,530	1	10,823	1		1		1		1	
1/4	85,186	1/4	70,168	1/4	55,213	1/4	40,235	1/4	25,217	1/4	10,532	1/4		1/4		1/4		1/4	
1/2	84,873	1/2	69,855	1/2	54,902	1/2	39,922	1/2	24,904	1/2	10,246	1/2		1/2		1/2		1/2	
3/4	84,560	3/4	69,542	3/4	54,592	3/4	39,609	3/4	24,591	3/4	9,960	3/4		3/4		3/4		3/4	
2	84,248	2	69,229	2	54,281	2	39,297	2	24,278	2	9,673	2		2		2		2	
1/4	83,935	1/4	68,916	1/4	53,971	1/4	38,984	1/4	23,965	1/4	9,387	1/4		1/4		1/4		1/4	
1/2	83,622	1/2	68,603	1/2	53,660	1/2	38,671	1/2	23,653	1/2	9,104	1/2		1/2		1/2		1/2	
3/4	83,309	3/4	68,290	3/4	53,350	3/4	38,358	3/4	23,340	3/4	8,821	3/4		3/4		3/4		3/4	
3	82,996	3	67,977	3	53,039	3	38,045	3	23,027	3	8,538	3		3		3		3	
1/4	82,683	1/4	67,664	1/4	52,729	1/4	37,732	1/4	22,714	1/4	8,255	1/4		1/4		1/4		1/4	
1/2	82,370	1/2	67,352	1/2	52,418	1/2	37,419	1/2	22,401	1/2	7,976	1/2		1/2		1/2		1/2	
3/4	82,057	3/4	67,039	3/4	52,107	3/4	37,106	3/4	22,088	3/4	7,697	3/4		3/4		3/4		3/4	
4	81,744	4	66,726	4	51,796	4	36,793	4	21,775	4	7,418	4		4		4		4	
1/4	81,432	1/4	66,413	1/4	51,485	1/4	36,481	1/4	21,462	1/4	7,139	1/4		1/4		1/4		1/4	
1/2	81,119	1/2	66,100	1/2	51,174	1/2	36,168	1/2	21,150	1/2	6,863	1/2		1/2		1/2		1/2	
3/4	80,806	3/4	65,787	3/4	50,863	3/4	35,855	3/4	20,837	3/4	6,588	3/4		3/4		3/4		3/4	
5	80,493	5	65,474	5	50,551	5	35,542	5	20,524	5	6,312	5		5		5		5	
1/4	80,180	1/4	65,161	1/4	50,240	1/4	35,229	1/4	20,211	1/4	6,037	1/4		1/4		1/4		1/4	
1/2	79,867	1/2	64,849	1/2	49,929	1/2	34,916	1/2	19,898	1/2	5,765	1/2		1/2		1/2		1/2	
3/4	79,554	3/4	64,536	3/4	49,617	3/4	34,603	3/4	19,585	3/4	5,493	3/4		3/4		3/4		3/4	
6	79,241	6	64,223	6	49,306	6	34,290	6	19,272	6	5,221	6		6		6		6	
1/4	78,928	1/4	63,911	1/4	48,994	1/4	33,978	1/4	18,959	1/4	4,949	1/4		1/4		1/4		1/4	
1/2	78,616	1/2	63,600	1/2	48,682	1/2	33,665	1/2	18,648	1/2	4,681	1/2		1/2		1/2		1/2	
3/4	78,303	3/4	63,288	3/4	48,369	3/4	33,352	3/4	18,336	3/4	4,413	3/4		3/4		3/4		3/4	
7	77,990	7	62,977	7	48,057	7	33,039	7	18,025	7	4,145	7		7		7		7	
1/4	77,677	1/4	62,666	1/4	47,744	1/4	32,726	1/4	17,713	1/4	3,877	1/4		1/4		1/4		1/4	
1/2	77,364	1/2	62,355	1/2	47,431	1/2	32,413	1/2	17,405	1/2	3,613	1/2		1/2		1/2		1/2	
3/4	77,051	3/4	62,045	3/4	47,118	3/4	32,100	3/4	17,097	3/4	3,348	3/4		3/4		3/4		3/4	
8	76,738	8	61,734	8	46,806	8	31,787	8	16,788	8	3,084	8		8		8		8	
1/4	76,425	1/4	61,423	1/4	46,493	1/4	31,475	1/4	16,480	1/4	2,820	1/4		1/4		1/4		1/4	
1/2	76,112	1/2	61,113	1/2	46,180	1/2	31,162	1/2	16,175	1/2	2,560	1/2		1/2		1/2		1/2	
3/4	75,800	3/4	60,802	3/4	45,867	3/4	30,849	3/4	15,871	3/4	2,301	3/4		3/4		3/4		3/4	
9	75,487	9	60,492	9	45,554	9	30,536	9	15,566	9	2,041	9		9		9		9	
1/4	75,174	1/4	60,181	1/4	45,241	1/4	30,223	1/4	15,261	1/4	1,781	1/4		1/4		1/4		1/4	
1/2	74,861	1/2	59,871	1/2	44,928	1/2	29,910	1/2	14,960	1/2	1,554	1/2		1/2		1/2		1/2	
3/4	74,548	3/4	59,560	3/4	44,615	3/4	29,597	3/4	14,659	3/4	1,326	3/4		3/4		3/4		3/4	
10	74,235	10	59,250	10	44,303	10	29,284	10	14,358	10	1,099	10		10		10		10	
1/4	73,922	1/4	58,939	1/4	43,990	1/4	28,971	1/4	14,057	1/4	871	1/4		1/4		1/4		1/4	
1/2	73,609	1/2	58,629	1/2	43,677	1/2	28,659	1/2	13,760	1/2	715	1/2		1/2		1/2		1/2	
3/4	73,296	3/4	58,318	3/4	43,364	3/4	28,346	3/4	13,462	3/4	560	3/4		3/4		3/4		3/4	
11	72,984	11	58,008	11	43,051	11	28,033	11	13,165	11	404	11		11		11		11	
1/4	72,671	1/4	57,697	1/4	42,738	1/4	27,720	1/4	12,868	1/4	248	1/4		1/4		1/4		1/4	
1/2	72,358	1/2	57,387	1/2	42,425	1/2	27,407	1/2	12,574	1/2		1/2		1/2		1/2		1/2	
3/4	72,045	3/4	57,076	3/4	42,112	3/4	27,094	3/4	12,280	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/14/2024 CL
CALCULATED: 11/15/2024 CL
PRINTED: 11/15/2024 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2024

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 4106"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 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		0		0	206,888	0	191,961	0	176,987	0	161,975	0	146,958	0	131,940	0	116,923	0	101,903
1/4		1/4		1/4	206,579	1/4	191,649	1/4	176,675	1/4	161,662	1/4	146,645	1/4	131,627	1/4	116,610	1/4	101,590
1/2		1/2		1/2	206,269	1/2	191,337	1/2	176,363	1/2	161,350	1/2	146,332	1/2	131,314	1/2	116,297	1/2	101,277
3/4		3/4		3/4	205,960	3/4	191,025	3/4	176,051	3/4	161,037	3/4	146,019	3/4	131,002	3/4	115,984	3/4	100,964
1		1		1	205,650	1	190,713	1	175,740	1	160,724	1	145,706	1	130,689	1	115,671	1	100,651
1/4		1/4		1/4	205,340	1/4	190,401	1/4	175,428	1/4	160,411	1/4	145,393	1/4	130,376	1/4	115,359	1/4	100,338
1/2		1/2		1/2	205,030	1/2	190,089	1/2	175,115	1/2	160,098	1/2	145,080	1/2	130,063	1/2	115,046	1/2	100,025
3/4		3/4		3/4	204,720	3/4	189,777	3/4	174,802	3/4	159,785	3/4	144,768	3/4	129,750	3/4	114,733	3/4	99,712
2		2		2	204,410	2	189,465	2	174,490	2	159,472	2	144,455	2	129,437	2	114,420	2	99,399
1/4		1/4		1/4	204,100	1/4	189,154	1/4	174,177	1/4	159,159	1/4	144,142	1/4	129,124	1/4	114,107	1/4	99,086
1/2		1/2		1/2	203,790	1/2	188,842	1/2	173,864	1/2	158,847	1/2	143,829	1/2	128,812	1/2	113,794	1/2	98,773
3/4		3/4		3/4	203,480	3/4	188,530	3/4	173,551	3/4	158,534	3/4	143,516	3/4	128,499	3/4	113,481	3/4	98,460
3		3		3	203,170	3	188,218	3	173,238	3	158,221	3	143,203	3	128,186	3	113,169	3	98,147
1/4		1/4		1/4	202,860	1/4	187,906	1/4	172,926	1/4	157,908	1/4	142,890	1/4	127,873	1/4	112,856	1/4	97,834
1/2		1/2		1/2	202,551	1/2	187,594	1/2	172,613	1/2	157,595	1/2	142,578	1/2	127,560	1/2	112,543	1/2	97,521
3/4		3/4		3/4	202,241	3/4	187,282	3/4	172,300	3/4	157,282	3/4	142,265	3/4	127,247	3/4	112,230	3/4	97,208
4		4		4	201,931	4	186,970	4	171,987	4	156,969	4	141,952	4	126,934	4	111,917	4	96,895
1/4		1/4		1/4	201,621	1/4	186,658	1/4	171,674	1/4	156,657	1/4	141,639	1/4	126,622	1/4	111,604	1/4	96,582
1/2		1/2		1/2	201,311	1/2	186,346	1/2	171,361	1/2	156,344	1/2	141,326	1/2	126,309	1/2	111,291	1/2	96,269
3/4		3/4		3/4	201,001	3/4	186,034	3/4	171,048	3/4	156,031	3/4	141,013	3/4	125,996	3/4	110,978	3/4	95,956
5		5		5	200,692	5	185,722	5	170,735	5	155,718	5	140,700	5	125,683	5	110,666	5	95,643
1/4		1/4		1/4	200,382	1/4	185,410	1/4	170,423	1/4	155,405	1/4	140,387	1/4	125,370	1/4	110,353	1/4	95,330
1/2		1/2		1/2	200,070	1/2	185,098	1/2	170,110	1/2	155,092	1/2	140,075	1/2	125,057	1/2	110,040	1/2	95,017
3/4		3/4		3/4	199,759	3/4	184,786	3/4	169,797	3/4	154,779	3/4	139,762	3/4	124,744	3/4	109,727	3/4	94,704
6		6		6	199,447	6	184,474	6	169,484	6	154,466	6	139,449	6	124,431	6	109,414	6	94,391
1/4		1/4		1/4	199,136	1/4	184,162	1/4	169,171	1/4	154,154	1/4	139,136	1/4	124,119	1/4	109,101	1/4	94,078
1/2		1/2		1/2	198,824	1/2	183,850	1/2	168,858	1/2	153,841	1/2	138,823	1/2	123,806	1/2	108,788	1/2	93,765
3/4		3/4		3/4	198,512	3/4	183,538	3/4	168,545	3/4	153,528	3/4	138,510	3/4	123,493	3/4	108,476	3/4	93,452
7		7		7	198,200	7	183,226	7	168,233	7	153,215	7	138,197	7	123,180	7	108,163	7	93,139
1/4		1/4	211,649	1/4	197,888	1/4	182,914	1/4	167,920	1/4	152,902	1/4	137,885	1/4	122,867	1/4	107,850	1/4	92,826
1/2		1/2	211,483	1/2	197,576	1/2	182,603	1/2	167,607	1/2	152,589	1/2	137,572	1/2	122,554	1/2	107,537	1/2	92,513
3/4		3/4	211,316	3/4	197,264	3/4	182,291	3/4	167,294	3/4	152,276	3/4	137,259	3/4	122,241	3/4	107,224	3/4	92,200
8		8	211,150	8	196,952	8	181,979	8	166,981	8	151,964	8	136,946	8	121,929	8	106,911	8	91,887
1/4		1/4	210,983	1/4	196,640	1/4	181,667	1/4	166,668	1/4	151,651	1/4	136,633	1/4	121,616	1/4	106,598	1/4	91,574
1/2		1/2	210,764	1/2	196,328	1/2	181,355	1/2	166,355	1/2	151,338	1/2	136,320	1/2	121,303	1/2	106,285	1/2	91,261
3/4		3/4	210,546	3/4	196,017	3/4	181,043	3/4	166,043	3/4	151,025	3/4	136,007	3/4	120,990	3/4	105,972	3/4	90,948
9		9	210,327	9	195,705	9	180,731	9	165,730	9	150,712	9	135,694	9	120,677	9	105,659	9	90,635
1/4		1/4	210,108	1/4	195,393	1/4	180,419	1/4	165,417	1/4	150,399	1/4	135,382	1/4	120,364	1/4	105,346	1/4	90,322
1/2		1/2	209,838	1/2	195,081	1/2	180,107	1/2	165,104	1/2	150,086	1/2	135,069	1/2	120,051	1/2	105,033	1/2	90,009
3/4		3/4	209,567	3/4	194,769	3/4	179,795	3/4	164,791	3/4	149,773	3/4	134,756	3/4	119,739	3/4	104,720	3/4	89,696
10		10	209,296	10	194,457	10	179,483	10	164,478	10	149,461	10	134,443	10	119,426	10	104,407	10	89,383
1/4		1/4	209,025	1/4	194,145	1/4	179,171	1/4	164,165	1/4	149,148	1/4	134,130	1/4	119,113	1/4	104,094	1/4	89,070
1/2		1/2	208,723	1/2	193,833	1/2	178,859	1/2	163,852	1/2	148,835	1/2	133,817	1/2	118,800	1/2	103,781	1/2	88,757
3/4		3/4	208,421	3/4	193,521	3/4	178,547	3/4	163,540	3/4	148,522	3/4	133,504	3/4	118,487	3/4	103,468	3/4	88,444
11		11	208,118	11	193,209	11	178,235	11	163,227	11	148,209	11	133,192	11	118,174	11	103,155	11	88,131
1/4		1/4	207,816	1/4	192,897	1/4	177,923	1/4	162,914	1/4	147,896	1/4	132,879	1/4	117,861	1/4	102,842	1/4	87,818
1/2		1/2	207,507	1/2	192,585	1/2	177,611	1/2	162,601	1/2	147,583	1/2	132,566	1/2	117,549	1/2	102,529	1/2	87,505
3/4		3/4	207,198	3/4	192,273	3/4	177,299	3/4	162,288	3/4	147,271	3/4	132,253	3/4	117,236	3/4	102,216	3/4	87,192

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 OF 2" MMC VALVE
 GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "HSM 4106"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 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	86,879	0	71,855	0	56,835	0	41,815	0	26,792	0	11,992	0		0		0		0	
1/4	86,566	1/4	71,542	1/4	56,523	1/4	41,502	1/4	26,479	1/4	11,698	1/4		1/4		1/4		1/4	
1/2	86,253	1/2	71,229	1/2	56,210	1/2	41,189	1/2	26,166	1/2	11,408	1/2		1/2		1/2		1/2	
3/4	85,940	3/4	70,916	3/4	55,897	3/4	40,876	3/4	25,853	3/4	11,118	3/4		3/4		3/4		3/4	
1	85,627	1	70,603	1	55,584	1	40,563	1	25,540	1	10,827	1		1		1		1	
1/4	85,314	1/4	70,290	1/4	55,271	1/4	40,251	1/4	25,227	1/4	10,537	1/4		1/4		1/4		1/4	
1/2	85,001	1/2	69,977	1/2	54,959	1/2	39,938	1/2	24,914	1/2	10,251	1/2		1/2		1/2		1/2	
3/4	84,688	3/4	69,664	3/4	54,646	3/4	39,625	3/4	24,601	3/4	9,964	3/4		3/4		3/4		3/4	
2	84,375	2	69,351	2	54,333	2	39,312	2	24,288	2	9,678	2		2		2		2	
1/4	84,062	1/4	69,038	1/4	54,020	1/4	38,999	1/4	23,975	1/4	9,391	1/4		1/4		1/4		1/4	
1/2	83,749	1/2	68,725	1/2	53,708	1/2	38,686	1/2	23,662	1/2	9,108	1/2		1/2		1/2		1/2	
3/4	83,436	3/4	68,412	3/4	53,395	3/4	38,373	3/4	23,349	3/4	8,825	3/4		3/4		3/4		3/4	
3	83,123	3	68,099	3	53,082	3	38,060	3	23,036	3	8,542	3		3		3		3	
1/4	82,810	1/4	67,786	1/4	52,769	1/4	37,747	1/4	22,723	1/4	8,259	1/4		1/4		1/4		1/4	
1/2	82,497	1/2	67,473	1/2	52,456	1/2	37,434	1/2	22,410	1/2	7,980	1/2		1/2		1/2		1/2	
3/4	82,184	3/4	67,160	3/4	52,144	3/4	37,121	3/4	22,097	3/4	7,701	3/4		3/4		3/4		3/4	
4	81,871	4	66,847	4	51,831	4	36,808	4	21,784	4	7,422	4		4		4		4	
1/4	81,558	1/4	66,534	1/4	51,518	1/4	36,495	1/4	21,471	1/4	7,142	1/4		1/4		1/4		1/4	
1/2	81,245	1/2	66,221	1/2	51,205	1/2	36,182	1/2	21,158	1/2	6,867	1/2		1/2		1/2		1/2	
3/4	80,932	3/4	65,908	3/4	50,892	3/4	35,869	3/4	20,845	3/4	6,591	3/4		3/4		3/4		3/4	
5	80,619	5	65,596	5	50,579	5	35,556	5	20,532	5	6,315	5		5		5		5	
1/4	80,306	1/4	65,283	1/4	50,266	1/4	35,243	1/4	20,219	1/4	6,040	1/4		1/4		1/4		1/4	
1/2	79,993	1/2	64,970	1/2	49,953	1/2	34,930	1/2	19,906	1/2	5,768	1/2		1/2		1/2		1/2	
3/4	79,680	3/4	64,657	3/4	49,640	3/4	34,617	3/4	19,593	3/4	5,496	3/4		3/4		3/4		3/4	
6	79,367	6	64,344	6	49,327	6	34,304	6	19,280	6	5,224	6		6		6		6	
1/4	79,054	1/4	64,031	1/4	49,014	1/4	33,991	1/4	18,967	1/4	4,952	1/4		1/4		1/4		1/4	
1/2	78,741	1/2	63,718	1/2	48,701	1/2	33,678	1/2	18,656	1/2	4,684	1/2		1/2		1/2		1/2	
3/4	78,428	3/4	63,405	3/4	48,388	3/4	33,365	3/4	18,344	3/4	4,415	3/4		3/4		3/4		3/4	
7	78,115	7	63,092	7	48,075	7	33,052	7	18,033	7	4,147	7		7		7		7	
1/4	77,802	1/4	62,779	1/4	47,762	1/4	32,739	1/4	17,721	1/4	3,879	1/4		1/4		1/4		1/4	
1/2	77,489	1/2	62,466	1/2	47,449	1/2	32,426	1/2	17,412	1/2	3,614	1/2		1/2		1/2		1/2	
3/4	77,176	3/4	62,153	3/4	47,136	3/4	32,113	3/4	17,104	3/4	3,350	3/4		3/4		3/4		3/4	
8	76,863	8	61,840	8	46,823	8	31,800	8	16,796	8	3,086	8		8		8		8	
1/4	76,550	1/4	61,527	1/4	46,510	1/4	31,487	1/4	16,487	1/4	2,821	1/4		1/4		1/4		1/4	
1/2	76,237	1/2	61,214	1/2	46,197	1/2	31,174	1/2	16,182	1/2	2,562	1/2		1/2		1/2		1/2	
3/4	75,924	3/4	60,901	3/4	45,884	3/4	30,861	3/4	15,878	3/4	2,302	3/4		3/4		3/4		3/4	
9	75,611	9	60,589	9	45,571	9	30,548	9	15,573	9	2,042	9		9		9		9	
1/4	75,298	1/4	60,276	1/4	45,258	1/4	30,235	1/4	15,268	1/4	1,782	1/4		1/4		1/4		1/4	
1/2	74,985	1/2	59,963	1/2	44,945	1/2	29,922	1/2	14,967	1/2	1,555	1/2		1/2		1/2		1/2	
3/4	74,672	3/4	59,650	3/4	44,632	3/4	29,609	3/4	14,666	3/4	1,327	3/4		3/4		3/4		3/4	
10	74,359	10	59,337	10	44,319	10	29,296	10	14,365	10	1,099	10		10		10		10	
1/4	74,046	1/4	59,025	1/4	44,006	1/4	28,983	1/4	14,063	1/4	872	1/4		1/4		1/4		1/4	
1/2	73,733	1/2	58,712	1/2	43,693	1/2	28,670	1/2	13,766	1/2	716	1/2		1/2		1/2		1/2	
3/4	73,420	3/4	58,399	3/4	43,380	3/4	28,357	3/4	13,469	3/4	560	3/4		3/4		3/4		3/4	
11	73,107	11	58,086	11	43,067	11	28,044	11	13,171	11	404	11		11		11		11	
1/4	72,794	1/4	57,774	1/4	42,754	1/4	27,731	1/4	12,874	1/4	248	1/4		1/4		1/4		1/4	
1/2	72,481	1/2	57,461	1/2	42,441	1/2	27,418	1/2	12,580	1/2		1/2		1/2		1/2		1/2	
3/4	72,168	3/4	57,148	3/4	42,128	3/4	27,105	3/4	12,286	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/14/2024 CL
CALCULATED: 11/15/2024 CL
PRINTED: 11/15/2024 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2024

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 4106"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 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		0		0	209,587	0	194,664	0	179,670	0	164,632	0	149,587	0	134,542	0	119,497	0	104,449
1/4		1/4		1/4	209,278	1/4	194,352	1/4	179,358	1/4	164,319	1/4	149,274	1/4	134,229	1/4	119,184	1/4	104,136
1/2		1/2		1/2	208,970	1/2	194,039	1/2	179,045	1/2	164,005	1/2	148,960	1/2	133,915	1/2	118,870	1/2	103,822
3/4		3/4		3/4	208,660	3/4	193,727	3/4	178,733	3/4	163,692	3/4	148,647	3/4	133,602	3/4	118,557	3/4	103,509
1		1		1	208,351	1	193,414	1	178,420	1	163,379	1	148,333	1	133,288	1	118,243	1	103,195
1/4		1/4		1/4	208,042	1/4	193,102	1/4	178,108	1/4	163,065	1/4	148,020	1/4	132,975	1/4	117,930	1/4	102,881
1/2		1/2		1/2	207,732	1/2	192,790	1/2	177,796	1/2	162,752	1/2	147,707	1/2	132,662	1/2	117,616	1/2	102,568
3/4		3/4		3/4	207,423	3/4	192,477	3/4	177,483	3/4	162,438	3/4	147,393	3/4	132,348	3/4	117,303	3/4	102,254
2		2		2	207,114	2	192,165	2	177,169	2	162,125	2	147,080	2	132,035	2	116,990	2	101,941
1/4		1/4		1/4	206,804	1/4	191,853	1/4	176,856	1/4	161,811	1/4	146,766	1/4	131,721	1/4	116,676	1/4	101,627
1/2		1/2		1/2	206,495	1/2	191,540	1/2	176,543	1/2	161,498	1/2	146,453	1/2	131,408	1/2	116,363	1/2	101,313
3/4		3/4		3/4	206,185	3/4	191,228	3/4	176,230	3/4	161,185	3/4	146,139	3/4	131,094	3/4	116,049	3/4	101,000
3		3		3	205,876	3	190,915	3	175,916	3	160,871	3	145,826	3	130,781	3	115,736	3	100,686
1/4		1/4		1/4	205,566	1/4	190,603	1/4	175,603	1/4	160,558	1/4	145,513	1/4	130,467	1/4	115,422	1/4	100,373
1/2		1/2		1/2	205,257	1/2	190,291	1/2	175,289	1/2	160,244	1/2	145,199	1/2	130,154	1/2	115,109	1/2	100,059
3/4		3/4		3/4	204,948	3/4	189,978	3/4	174,976	3/4	159,931	3/4	144,886	3/4	129,841	3/4	114,796	3/4	99,745
4		4		4	204,638	4	189,666	4	174,662	4	159,617	4	144,572	4	129,527	4	114,482	4	99,432
1/4		1/4		1/4	204,329	1/4	189,354	1/4	174,349	1/4	159,304	1/4	144,259	1/4	129,214	1/4	114,169	1/4	99,118
1/2		1/2		1/2	204,020	1/2	189,041	1/2	174,036	1/2	158,990	1/2	143,945	1/2	128,900	1/2	113,855	1/2	98,805
3/4		3/4		3/4	203,710	3/4	188,729	3/4	173,722	3/4	158,677	3/4	143,632	3/4	128,587	3/4	113,542	3/4	98,491
5		5		5	203,401	5	188,416	5	173,409	5	158,364	5	143,318	5	128,273	5	113,228	5	98,177
1/4		1/4		1/4	203,092	1/4	188,104	1/4	173,095	1/4	158,050	1/4	143,005	1/4	127,960	1/4	112,915	1/4	97,864
1/2		1/2		1/2	202,783	1/2	187,792	1/2	172,782	1/2	157,737	1/2	142,692	1/2	127,647	1/2	112,601	1/2	97,550
3/4		3/4		3/4	202,471	3/4	187,479	3/4	172,468	3/4	157,423	3/4	142,378	3/4	127,333	3/4	112,288	3/4	97,237
6		6		6	202,159	6	187,167	6	172,155	6	157,110	6	142,065	6	127,020	6	111,975	6	96,923
1/4		1/4		1/4	201,848	1/4	186,855	1/4	171,841	1/4	156,796	1/4	141,751	1/4	126,706	1/4	111,661	1/4	96,609
1/2		1/2		1/2	201,536	1/2	186,542	1/2	171,528	1/2	156,483	1/2	141,438	1/2	126,393	1/2	111,348	1/2	96,296
3/4		3/4		3/4	201,224	3/4	186,230	3/4	171,215	3/4	156,169	3/4	141,124	3/4	126,079	3/4	111,034	3/4	95,982
7		7		7	200,911	7	185,917	7	170,901	7	155,856	7	140,811	7	125,766	7	110,721	7	95,669
1/4		1/4		1/4	200,599	1/4	185,605	1/4	170,588	1/4	155,543	1/4	140,498	1/4	125,452	1/4	110,407	1/4	95,355
1/2		1/2		1/2	214,027	1/2	200,287	1/2	185,293	1/2	170,274	1/2	155,229	1/2	140,184	1/2	125,139	1/2	110,094
3/4		3/4		3/4	213,861	3/4	199,974	3/4	184,980	3/4	169,961	3/4	154,916	3/4	139,871	3/4	124,826	3/4	109,780
8		8		8	213,696	8	199,662	8	184,668	8	169,647	8	154,602	8	139,557	8	124,512	8	109,467
1/4		1/4		1/4	213,530	1/4	199,350	1/4	184,356	1/4	169,334	1/4	154,289	1/4	139,244	1/4	124,199	1/4	109,153
1/2		1/2		1/2	213,364	1/2	199,037	1/2	184,043	1/2	169,020	1/2	153,975	1/2	138,930	1/2	123,885	1/2	108,840
3/4		3/4		3/4	213,146	3/4	198,725	3/4	183,731	3/4	168,707	3/4	153,662	3/4	138,617	3/4	123,572	3/4	108,526
9		9		9	212,928	9	198,412	9	183,418	9	168,394	9	153,349	9	138,303	9	123,258	9	108,213
1/4		1/4		1/4	212,710	1/4	198,100	1/4	183,106	1/4	168,080	1/4	153,035	1/4	137,990	1/4	122,945	1/4	107,899
1/2		1/2		1/2	212,492	1/2	197,788	1/2	182,794	1/2	167,767	1/2	152,722	1/2	137,677	1/2	122,631	1/2	107,585
3/4		3/4		3/4	212,222	3/4	197,475	3/4	182,481	3/4	167,453	3/4	152,408	3/4	137,363	3/4	122,318	3/4	107,272
10		10		10	211,952	10	197,163	10	182,169	10	167,140	10	152,095	10	137,050	10	122,005	10	106,958
1/4		1/4		1/4	211,682	1/4	196,851	1/4	181,857	1/4	166,826	1/4	151,781	1/4	136,736	1/4	121,691	1/4	106,645
1/2		1/2		1/2	211,412	1/2	196,538	1/2	181,544	1/2	166,513	1/2	151,468	1/2	136,423	1/2	121,378	1/2	106,331
3/4		3/4		3/4	211,110	3/4	196,226	3/4	181,232	3/4	166,200	3/4	151,154	3/4	136,109	3/4	121,064	3/4	106,017
11		11		11	210,808	11	195,913	11	180,919	11	165,886	11	150,841	11	135,796	11	120,751	11	105,704
1/4		1/4		1/4	210,506	1/4	195,601	1/4	180,607	1/4	165,573	1/4	150,528	1/4	135,482	1/4	120,437	1/4	105,390
1/2		1/2		1/2	210,205	1/2	195,289	1/2	180,295	1/2	165,259	1/2	150,214	1/2	135,169	1/2	120,124	1/2	105,077
3/4		3/4		3/4	209,896	3/4	194,976	3/4	179,982	3/4	164,946	3/4	149,901	3/4	134,856	3/4	119,811	3/4	104,763

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 OF 2" MMC VALVE
 GAUGE POINT: (MMC) LOCATED 10'-09" 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 4106"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 1/2"

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	89,397	0	74,344	0	59,291	0	44,551	0	29,791	0	14,741	0		0		0		0	
1/4	89,083	1/4	74,030	1/4	58,978	1/4	44,249	1/4	29,478	1/4	14,428	1/4		1/4		1/4		1/4	
1/2	88,770	1/2	73,717	1/2	58,664	1/2	43,946	1/2	29,165	1/2	14,114	1/2		1/2		1/2		1/2	
3/4	88,456	3/4	73,403	3/4	58,351	3/4	43,644	3/4	28,851	3/4	13,801	3/4		3/4		3/4		3/4	
1	88,142	1	73,090	1	58,037	1	43,341	1	28,538	1	13,487	1		1		1		1	
1/4	87,829	1/4	72,776	1/4	57,723	1/4	43,039	1/4	28,225	1/4	13,173	1/4		1/4		1/4		1/4	
1/2	87,515	1/2	72,462	1/2	57,410	1/2	42,736	1/2	27,911	1/2	12,860	1/2		1/2		1/2		1/2	
3/4	87,202	3/4	72,149	3/4	57,096	3/4	42,434	3/4	27,598	3/4	12,546	3/4		3/4		3/4		3/4	
2	86,888	2	71,835	2	56,783	2	42,131	2	27,284	2	12,233	2		2		2		2	
1/4	86,574	1/4	71,522	1/4	56,469	1/4	41,829	1/4	26,971	1/4	11,919	1/4		1/4		1/4		1/4	
1/2	86,261	1/2	71,208	1/2	56,155	1/2	41,526	1/2	26,658	1/2	11,606	1/2		1/2		1/2		1/2	
3/4	85,947	3/4	70,894	3/4	55,842	3/4	41,224	3/4	26,344	3/4	11,292	3/4		3/4		3/4		3/4	
3	85,634	3	70,581	3	55,528	3	40,921	3	26,030	3	10,978	3		3		3		3	
1/4	85,320	1/4	70,267	1/4	55,215	1/4	40,619	1/4	25,717	1/4	10,665	1/4		1/4		1/4		1/4	
1/2	85,006	1/2	69,954	1/2	54,901	1/2	40,316	1/2	25,403	1/2	10,351	1/2		1/2		1/2		1/2	
3/4	84,693	3/4	69,640	3/4	54,587	3/4	40,014	3/4	25,090	3/4	10,038	3/4		3/4		3/4		3/4	
4	84,379	4	69,327	4	54,274	4	39,711	4	24,776	4	9,724	4		4		4		4	
1/4	84,066	1/4	69,013	1/4	53,960	1/4	39,409	1/4	24,463	1/4	9,410	1/4		1/4		1/4		1/4	
1/2	83,752	1/2	68,699	1/2	53,647	1/2	39,106	1/2	24,149	1/2	9,097	1/2		1/2		1/2		1/2	
3/4	83,438	3/4	68,386	3/4	53,341	3/4	38,803	3/4	23,835	3/4	8,783	3/4		3/4		3/4		3/4	
5	83,125	5	68,072	5	53,035	5	38,500	5	23,522	5	8,470	5		5		5		5	
1/4	82,811	1/4	67,759	1/4	52,729	1/4	38,197	1/4	23,208	1/4	8,156	1/4		1/4		1/4		1/4	
1/2	82,498	1/2	67,445	1/2	52,423	1/2	37,894	1/2	22,895	1/2	7,842	1/2		1/2		1/2		1/2	
3/4	82,184	3/4	67,131	3/4	52,119	3/4	37,590	3/4	22,581	3/4	7,529	3/4		3/4		3/4		3/4	
6	81,870	6	66,818	6	51,816	6	37,287	6	22,267	6	7,215	6		6		6		6	
1/4	81,557	1/4	66,504	1/4	51,512	1/4	36,983	1/4	21,954	1/4	6,902	1/4		1/4		1/4		1/4	
1/2	81,243	1/2	66,191	1/2	51,209	1/2	36,680	1/2	21,640	1/2	6,588	1/2		1/2		1/2		1/2	
3/4	80,930	3/4	65,877	3/4	50,906	3/4	36,369	3/4	21,327	3/4	6,275	3/4		3/4		3/4		3/4	
7	80,616	7	65,563	7	50,603	7	36,058	7	21,013	7	5,961	7		7		7		7	
1/4	80,302	1/4	65,250	1/4	50,300	1/4	35,747	1/4	20,700	1/4	5,647	1/4		1/4		1/4		1/4	
1/2	79,989	1/2	64,936	1/2	49,997	1/2	35,436	1/2	20,386	1/2	5,334	1/2		1/2		1/2		1/2	
3/4	79,675	3/4	64,623	3/4	49,695	3/4	35,122	3/4	20,072	3/4	5,021	3/4		3/4		3/4		3/4	
8	79,362	8	64,309	8	49,392	8	34,809	8	19,759	8	4,707	8		8		8		8	
1/4	79,048	1/4	63,995	1/4	49,089	1/4	34,495	1/4	19,445	1/4	4,394	1/4		1/4		1/4		1/4	
1/2	78,734	1/2	63,682	1/2	48,787	1/2	34,181	1/2	19,132	1/2	4,081	1/2		1/2		1/2		1/2	
3/4	78,421	3/4	63,368	3/4	48,484	3/4	33,868	3/4	18,818	3/4	3,769	3/4		3/4		3/4		3/4	
9	78,107	9	63,055	9	48,181	9	33,554	9	18,504	9	3,456	9		9		9		9	
1/4	77,794	1/4	62,741	1/4	47,879	1/4	33,241	1/4	18,191	1/4	3,144	1/4		1/4		1/4		1/4	
1/2	77,480	1/2	62,427	1/2	47,576	1/2	32,927	1/2	17,877	1/2	2,832	1/2		1/2		1/2		1/2	
3/4	77,166	3/4	62,114	3/4	47,274	3/4	32,614	3/4	17,564	3/4	2,548	3/4		3/4		3/4		3/4	
10	76,853	10	61,800	10	46,971	10	32,300	10	17,250	10	2,264	10		10		10		10	
1/4	76,539	1/4	61,487	1/4	46,669	1/4	31,986	1/4	16,936	1/4	1,980	1/4		1/4		1/4		1/4	
1/2	76,226	1/2	61,173	1/2	46,366	1/2	31,673	1/2	16,623	1/2	1,697	1/2		1/2		1/2		1/2	
3/4	75,912	3/4	60,859	3/4	46,064	3/4	31,359	3/4	16,309	3/4	1,481	3/4		3/4		3/4		3/4	
11	75,598	11	60,546	11	45,761	11	31,046	11	15,996	11	1,265	11		11		11		11	
1/4	75,285	1/4	60,232	1/4	45,459	1/4	30,732	1/4	15,682	1/4	1,050	1/4		1/4		1/4		1/4	
1/2	74,971	1/2	59,919	1/2	45,156	1/2	30,418	1/2	15,369	1/2	835	1/2		1/2		1/2		1/2	
3/4	74,658	3/4	59,605	3/4	44,854	3/4	30,105	3/4	15,055	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/14/2024 CL
CALCULATED: 11/15/2024 CL
PRINTED: 11/15/2024 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2024

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 4106"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-00"

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	210,809	0	195,891	0	180,894	0	165,857	0	150,809	0	135,762	0	120,714	0	105,664
1/4		1/4		1/4	210,500	1/4	195,578	1/4	180,582	1/4	165,543	1/4	150,496	1/4	135,448	1/4	120,401	1/4	105,351
1/2		1/2		1/2	210,191	1/2	195,266	1/2	180,270	1/2	165,230	1/2	150,182	1/2	135,135	1/2	120,087	1/2	105,037
3/4		3/4		3/4	209,883	3/4	194,954	3/4	179,957	3/4	164,916	3/4	149,869	3/4	134,821	3/4	119,774	3/4	104,723
1		1		1	209,574	1	194,641	1	179,645	1	164,603	1	149,555	1	134,508	1	119,460	1	104,410
1/4		1/4		1/4	209,264	1/4	194,329	1/4	179,332	1/4	164,289	1/4	149,242	1/4	134,194	1/4	119,147	1/4	104,096
1/2		1/2		1/2	208,955	1/2	194,016	1/2	179,020	1/2	163,976	1/2	148,928	1/2	133,881	1/2	118,833	1/2	103,782
3/4		3/4		3/4	208,646	3/4	193,704	3/4	178,707	3/4	163,662	3/4	148,615	3/4	133,567	3/4	118,520	3/4	103,469
2		2		2	208,336	2	193,391	2	178,395	2	163,349	2	148,301	2	133,254	2	118,206	2	103,155
1/4		1/4		1/4	208,027	1/4	193,079	1/4	178,082	1/4	163,035	1/4	147,988	1/4	132,940	1/4	117,893	1/4	102,841
1/2		1/2		1/2	207,718	1/2	192,767	1/2	177,769	1/2	162,722	1/2	147,674	1/2	132,627	1/2	117,579	1/2	102,528
3/4		3/4		3/4	207,408	3/4	192,454	3/4	177,455	3/4	162,408	3/4	147,361	3/4	132,313	3/4	117,266	3/4	102,214
3		3		3	207,099	3	192,142	3	177,142	3	162,095	3	147,047	3	132,000	3	116,952	3	101,900
1/4		1/4		1/4	206,789	1/4	191,829	1/4	176,829	1/4	161,781	1/4	146,734	1/4	131,686	1/4	116,639	1/4	101,587
1/2		1/2		1/2	206,480	1/2	191,517	1/2	176,515	1/2	161,468	1/2	146,420	1/2	131,373	1/2	116,325	1/2	101,273
3/4		3/4		3/4	206,170	3/4	191,204	3/4	176,202	3/4	161,154	3/4	146,107	3/4	131,059	3/4	116,012	3/4	100,960
4		4		4	205,861	4	190,892	4	175,888	4	160,841	4	145,793	4	130,746	4	115,698	4	100,646
1/4		1/4		1/4	205,551	1/4	190,580	1/4	175,575	1/4	160,527	1/4	145,480	1/4	130,432	1/4	115,385	1/4	100,332
1/2		1/2		1/2	205,242	1/2	190,267	1/2	175,261	1/2	160,214	1/2	145,166	1/2	130,119	1/2	115,071	1/2	100,019
3/4		3/4		3/4	204,933	3/4	189,955	3/4	174,948	3/4	159,900	3/4	144,853	3/4	129,805	3/4	114,758	3/4	99,705
5		5		5	204,623	5	189,642	5	174,634	5	159,587	5	144,539	5	129,492	5	114,444	5	99,391
1/4		1/4		1/4	204,314	1/4	189,330	1/4	174,321	1/4	159,273	1/4	144,226	1/4	129,178	1/4	114,131	1/4	99,078
1/2		1/2		1/2	204,005	1/2	189,017	1/2	174,007	1/2	158,960	1/2	143,912	1/2	128,865	1/2	113,817	1/2	98,764
3/4		3/4		3/4	203,695	3/4	188,705	3/4	173,694	3/4	158,646	3/4	143,599	3/4	128,551	3/4	113,504	3/4	98,450
6		6		6	203,386	6	188,393	6	173,380	6	158,333	6	143,285	6	128,238	6	113,190	6	98,137
1/4		1/4		1/4	203,074	1/4	188,080	1/4	173,067	1/4	158,019	1/4	142,972	1/4	127,924	1/4	112,877	1/4	97,823
1/2		1/2		1/2	202,763	1/2	187,768	1/2	172,753	1/2	157,706	1/2	142,658	1/2	127,611	1/2	112,563	1/2	97,509
3/4		3/4		3/4	202,451	3/4	187,455	3/4	172,440	3/4	157,392	3/4	142,345	3/4	127,297	3/4	112,250	3/4	97,196
7		7		7	202,139	7	187,143	7	172,126	7	157,079	7	142,031	7	126,984	7	111,936	7	96,882
1/4		1/4		1/4	201,827	1/4	186,830	1/4	171,813	1/4	156,765	1/4	141,718	1/4	126,670	1/4	111,623	1/4	96,568
1/2		1/2		1/2	201,514	1/2	186,518	1/2	171,499	1/2	156,452	1/2	141,404	1/2	126,357	1/2	111,309	1/2	96,255
3/4		3/4		3/4	201,202	3/4	186,206	3/4	171,186	3/4	156,138	3/4	141,091	3/4	126,043	3/4	110,996	3/4	95,941
8		0	214,632	8	200,890	8	185,893	8	170,872	8	155,825	8	140,777	8	125,730	8	110,682	8	95,628
1/4		1/4	214,466	1/4	200,577	1/4	185,581	1/4	170,559	1/4	155,511	1/4	140,464	1/4	125,416	1/4	110,369	1/4	95,314
1/2		1/2	214,301	1/2	200,265	1/2	185,268	1/2	170,245	1/2	155,198	1/2	140,150	1/2	125,103	1/2	110,055	1/2	95,000
3/4		3/4	214,135	3/4	199,952	3/4	184,956	3/4	169,932	3/4	154,884	3/4	139,837	3/4	124,789	3/4	109,742	3/4	94,687
9		9	213,969	9	199,640	9	184,644	9	169,618	9	154,571	9	139,523	9	124,476	9	109,428	9	94,373
1/4		1/4	213,751	1/4	199,327	1/4	184,331	1/4	169,305	1/4	154,257	1/4	139,210	1/4	124,162	1/4	109,114	1/4	94,059
1/2		1/2	213,533	1/2	199,015	1/2	184,019	1/2	168,991	1/2	153,944	1/2	138,896	1/2	123,849	1/2	108,801	1/2	93,746
3/4		3/4	213,315	3/4	198,703	3/4	183,706	3/4	168,678	3/4	153,630	3/4	138,583	3/4	123,535	3/4	108,487	3/4	93,432
10		10	213,097	10	198,390	10	183,394	10	168,364	10	153,317	10	138,269	10	123,222	10	108,173	10	93,118
1/4		1/4	212,827	1/4	198,078	1/4	183,081	1/4	168,051	1/4	153,003	1/4	137,956	1/4	122,909	1/4	107,860	1/4	92,805
1/2		1/2	212,557	1/2	197,765	1/2	182,769	1/2	167,737	1/2	152,690	1/2	137,643	1/2	122,595	1/2	107,546	1/2	92,491
3/4		3/4	212,286	3/4	197,453	3/4	182,457	3/4	167,424	3/4	152,377	3/4	137,329	3/4	122,282	3/4	107,232	3/4	92,177
11		11	212,016	11	197,140	11	182,144	11	167,110	11	152,063	11	137,016	11	121,968	11	106,919	11	91,864
1/4		1/4	211,714	1/4	196,828	1/4	181,832	1/4	166,797	1/4	151,750	1/4	136,702	1/4	121,655	1/4	106,605	1/4	91,550
1/2		1/2	211,413	1/2	196,516	1/2	181,519	1/2	166,484	1/2	151,436	1/2	136,389	1/2	121,341	1/2	106,292	1/2	91,236
3/4		3/4	211,111	3/4	196,203	3/4	181,207	3/4	166,170	3/4	151,123	3/4	136,075	3/4	121,028	3/4	105,978	3/4	90,923

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 OF 2" MMC VALVE
 GAUGE POINT: (MMC) LOCATED 10'-09" 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 4106"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-00"

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	90,609	0	75,554	0	60,499	0	45,460	0	30,424	0	15,372	0	835	0	0	0	0	0	0
1/4	90,296	1/4	75,241	1/4	60,185	1/4	45,147	1/4	30,111	1/4	15,058	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	89,982	1/2	74,927	1/2	59,872	1/2	44,835	1/2	29,797	1/2	14,744	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	89,668	3/4	74,613	3/4	59,558	3/4	44,522	3/4	29,484	3/4	14,431	3/4		3/4	3/4	3/4	3/4	3/4	3/4
1	89,355	1	74,300	1	59,245	1	44,209	1	29,170	1	14,117	1		1	1	1	1	1	1
1/4	89,041	1/4	73,986	1/4	58,931	1/4	43,896	1/4	28,857	1/4	13,804	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	88,727	1/2	73,672	1/2	58,617	1/2	43,584	1/2	28,544	1/2	13,490	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	88,414	3/4	73,359	3/4	58,304	3/4	43,271	3/4	28,230	3/4	13,176	3/4		3/4	3/4	3/4	3/4	3/4	3/4
2	88,100	2	73,045	2	57,990	2	42,958	2	27,917	2	12,863	2		2	2	2	2	2	2
1/4	87,786	1/4	72,731	1/4	57,676	1/4	42,646	1/4	27,603	1/4	12,549	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	87,473	1/2	72,418	1/2	57,363	1/2	42,333	1/2	27,290	1/2	12,235	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,159	3/4	72,104	3/4	57,049	3/4	42,020	3/4	26,976	3/4	11,922	3/4		3/4	3/4	3/4	3/4	3/4	3/4
3	86,845	3	71,790	3	56,735	3	41,707	3	26,663	3	11,608	3		3	3	3	3	3	3
1/4	86,532	1/4	71,477	1/4	56,422	1/4	41,395	1/4	26,349	1/4	11,294	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,218	1/2	71,163	1/2	56,108	1/2	41,082	1/2	26,036	1/2	10,981	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,905	3/4	70,849	3/4	55,794	3/4	40,769	3/4	25,722	3/4	10,667	3/4		3/4	3/4	3/4	3/4	3/4	3/4
4	85,591	4	70,536	4	55,481	4	40,456	4	25,408	4	10,353	4		4	4	4	4	4	4
1/4	85,277	1/4	70,222	1/4	55,167	1/4	40,144	1/4	25,095	1/4	10,040	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,964	1/2	69,909	1/2	54,853	1/2	39,831	1/2	24,781	1/2	9,726	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,650	3/4	69,595	3/4	54,540	3/4	39,518	3/4	24,467	3/4	9,412	3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	84,336	5	69,281	5	54,226	5	39,206	5	24,154	5	9,099	5		5	5	5	5	5	5
1/4	84,023	1/4	68,968	1/4	53,913	1/4	38,892	1/4	23,840	1/4	8,785	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,709	1/2	68,654	1/2	53,599	1/2	38,579	1/2	23,527	1/2	8,472	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,395	3/4	68,340	3/4	53,285	3/4	38,265	3/4	23,213	3/4	8,158	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	83,082	6	68,027	6	52,972	6	37,952	6	22,899	6	7,844	6		6	6	6	6	6	6
1/4	82,768	1/4	67,713	1/4	52,658	1/4	37,638	1/4	22,586	1/4	7,531	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,454	1/2	67,399	1/2	52,344	1/2	37,325	1/2	22,272	1/2	7,217	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,141	3/4	67,086	3/4	52,031	3/4	37,011	3/4	21,958	3/4	6,903	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	81,827	7	66,772	7	51,717	7	36,697	7	21,645	7	6,590	7		7	7	7	7	7	7
1/4	81,513	1/4	66,458	1/4	51,404	1/4	36,384	1/4	21,331	1/4	6,276	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,200	1/2	66,145	1/2	51,091	1/2	36,070	1/2	21,017	1/2	5,962	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,886	3/4	65,831	3/4	50,778	3/4	35,756	3/4	20,704	3/4	5,649	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	80,573	8	65,517	8	50,465	8	35,443	8	20,390	8	5,335	8		8	8	8	8	8	8
1/4	80,259	1/4	65,204	1/4	50,152	1/4	35,129	1/4	20,076	1/4	5,022	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	79,945	1/2	64,890	1/2	49,839	1/2	34,816	1/2	19,763	1/2	4,709	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,632	3/4	64,577	3/4	49,526	3/4	34,502	3/4	19,449	3/4	4,395	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	79,318	9	64,263	9	49,213	9	34,188	9	19,136	9	4,082	9		9	9	9	9	9	9
1/4	79,004	1/4	63,949	1/4	48,900	1/4	33,875	1/4	18,822	1/4	3,770	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,691	1/2	63,636	1/2	48,587	1/2	33,561	1/2	18,508	1/2	3,457	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,377	3/4	63,322	3/4	48,274	3/4	33,247	3/4	18,195	3/4	3,145	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	78,063	10	63,008	10	47,962	10	32,934	10	17,881	10	2,833	10		10	10	10	10	10	10
1/4	77,750	1/4	62,695	1/4	47,649	1/4	32,620	1/4	17,567	1/4	2,549	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,436	1/2	62,381	1/2	47,336	1/2	32,306	1/2	17,254	1/2	2,265	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,122	3/4	62,067	3/4	47,024	3/4	31,993	3/4	16,940	3/4	1,981	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	76,809	11	61,754	11	46,711	11	31,679	11	16,626	11	1,697	11		11	11	11	11	11	11
1/4	76,495	1/4	61,440	1/4	46,398	1/4	31,365	1/4	16,313	1/4	1,482	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,181	1/2	61,126	1/2	46,085	1/2	31,052	1/2	15,999	1/2	1,266	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,868	3/4	60,813	3/4	45,773	3/4	30,738	3/4	15,685	3/4	1,050	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/14/2024 CL
CALCULATED: 11/15/2024 CL
PRINTED: 11/15/2024 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2024

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
<http://www.omacorp.net>



BARGE "HSM 4106"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 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	192,977	0	181,700	0	170,516	0	159,303	0	148,087	0	133,969	0	119,020	0	104,065
1/4		1/4		1/4	192,739	1/4	181,467	1/4	170,283	1/4	159,069	1/4	147,854	1/4	133,658	1/4	118,708	1/4	103,754
1/2		1/2		1/2	192,501	1/2	181,234	1/2	170,050	1/2	158,835	1/2	147,621	1/2	133,346	1/2	118,397	1/2	103,442
3/4		3/4		3/4	192,263	3/4	181,001	3/4	169,818	3/4	158,601	3/4	147,389	3/4	133,035	3/4	118,085	3/4	103,130
1		1		1	192,024	1	180,768	1	169,585	1	158,368	1	147,156	1	132,724	1	117,774	1	102,818
1/4		1/4		1/4	191,785	1/4	180,535	1/4	169,352	1/4	158,134	1/4	146,923	1/4	132,412	1/4	117,462	1/4	102,506
1/2		1/2		1/2	191,546	1/2	180,302	1/2	169,119	1/2	157,900	1/2	146,690	1/2	132,101	1/2	117,151	1/2	102,194
3/4		3/4		3/4	191,307	3/4	180,069	3/4	168,886	3/4	157,666	3/4	146,458	3/4	131,789	3/4	116,839	3/4	101,882
2		2		2	191,068	2	179,836	2	168,652	2	157,433	2	146,171	2	131,478	2	116,528	2	101,570
1/4		1/4		1/4	190,829	1/4	179,603	1/4	168,418	1/4	157,199	1/4	145,885	1/4	131,166	1/4	116,216	1/4	101,259
1/2		1/2		1/2	190,590	1/2	179,370	1/2	168,185	1/2	156,965	1/2	145,598	1/2	130,855	1/2	115,905	1/2	100,947
3/4		3/4		3/4	190,351	3/4	179,137	3/4	167,951	3/4	156,731	3/4	145,311	3/4	130,543	3/4	115,594	3/4	100,635
3		3		3	190,112	3	178,904	3	167,718	3	156,498	3	145,007	3	130,232	3	115,282	3	100,323
1/4		1/4		1/4	189,873	1/4	178,671	1/4	167,484	1/4	156,264	1/4	144,702	1/4	129,920	1/4	114,971	1/4	100,011
1/2		1/2		1/2	189,634	1/2	178,438	1/2	167,250	1/2	156,030	1/2	144,398	1/2	129,609	1/2	114,659	1/2	99,699
3/4		3/4		3/4	189,395	3/4	178,205	3/4	167,016	3/4	155,796	3/4	144,093	3/4	129,298	3/4	114,348	3/4	99,387
4		4		4	189,160	4	177,972	4	166,783	4	155,563	4	143,789	4	128,986	4	114,036	4	99,075
1/4		1/4		1/4	188,926	1/4	177,739	1/4	166,549	1/4	155,329	1/4	143,484	1/4	128,675	1/4	113,725	1/4	98,764
1/2		1/2		1/2	188,691	1/2	177,506	1/2	166,315	1/2	155,095	1/2	143,180	1/2	128,363	1/2	113,413	1/2	98,452
3/4		3/4		3/4	188,457	3/4	177,273	3/4	166,081	3/4	154,861	3/4	142,875	3/4	128,052	3/4	113,102	3/4	98,140
5		5		5	188,224	5	177,040	5	165,848	5	154,628	5	142,570	5	127,740	5	112,790	5	97,828
1/4		1/4		1/4	187,991	1/4	176,807	1/4	165,614	1/4	154,394	1/4	142,265	1/4	127,429	1/4	112,479	1/4	97,516
1/2		1/2		1/2	187,758	1/2	176,574	1/2	165,380	1/2	154,160	1/2	141,959	1/2	127,117	1/2	112,167	1/2	97,205
3/4		3/4		3/4	187,525	3/4	176,341	3/4	165,146	3/4	153,926	3/4	141,654	3/4	126,806	3/4	111,856	3/4	96,893
6		6		6	187,292	6	176,108	6	164,913	6	153,693	6	141,349	6	126,494	6	111,545	6	96,581
1/4		1/4		1/4	187,059	1/4	175,875	1/4	164,679	1/4	153,459	1/4	141,043	1/4	126,183	1/4	111,233	1/4	96,270
1/2		1/2		1/2	186,826	1/2	175,642	1/2	164,445	1/2	153,225	1/2	140,738	1/2	125,872	1/2	110,922	1/2	95,958
3/4		3/4		3/4	186,593	3/4	175,409	3/4	164,211	3/4	152,991	3/4	140,432	3/4	125,560	3/4	110,610	3/4	95,647
7		7		7	186,360	7	175,176	7	163,978	7	152,758	7	140,127	7	125,249	7	110,299	7	95,335
1/4		1/4		1/4	186,127	1/4	174,943	1/4	163,744	1/4	152,524	1/4	139,821	1/4	124,937	1/4	109,987	1/4	95,023
1/2		1/2		1/2	185,894	1/2	174,710	1/2	163,510	1/2	152,290	1/2	139,516	1/2	124,626	1/2	109,676	1/2	94,712
3/4		3/4		3/4	195,889	3/4	185,661	3/4	174,477	3/4	162,276	3/4	152,056	3/4	139,210	3/4	124,314	3/4	94,400
8		8		8	195,795	8	185,428	8	174,244	8	163,043	8	151,823	8	138,905	8	124,003	8	94,089
1/4		1/4		1/4	195,701	1/4	185,195	1/4	174,011	1/4	162,809	1/4	151,589	1/4	138,599	1/4	123,691	1/4	93,777
1/2		1/2		1/2	195,606	1/2	184,962	1/2	173,778	1/2	162,575	1/2	151,355	1/2	138,294	1/2	123,380	1/2	93,465
3/4		3/4		3/4	195,512	3/4	184,729	3/4	173,545	3/4	162,341	3/4	151,121	3/4	137,988	3/4	123,068	3/4	93,154
9		9		9	195,366	9	184,496	9	173,312	9	162,108	9	150,888	9	137,683	9	122,757	9	92,842
1/4		1/4		1/4	195,220	1/4	184,263	1/4	173,079	1/4	161,874	1/4	150,654	1/4	137,377	1/4	122,446	1/4	92,530
1/2		1/2		1/2	195,073	1/2	184,030	1/2	172,846	1/2	161,640	1/2	150,420	1/2	137,072	1/2	122,134	1/2	92,219
3/4		3/4		3/4	194,927	3/4	183,797	3/4	172,613	3/4	161,406	3/4	150,186	3/4	136,767	3/4	121,823	3/4	91,907
10		10		10	194,729	10	183,564	10	172,380	10	161,173	10	149,953	10	136,457	10	121,511	10	91,596
1/4		1/4		1/4	194,531	1/4	183,331	1/4	172,147	1/4	160,939	1/4	149,719	1/4	136,147	1/4	121,200	1/4	91,284
1/2		1/2		1/2	194,332	1/2	183,098	1/2	171,914	1/2	160,705	1/2	149,485	1/2	135,837	1/2	120,888	1/2	90,972
3/4		3/4		3/4	194,134	3/4	182,865	3/4	171,681	3/4	160,471	3/4	149,251	3/4	135,527	3/4	120,577	3/4	90,661
11		11		11	193,904	11	182,632	11	171,448	11	160,238	11	149,018	11	135,215	11	120,265	11	90,349
1/4		1/4		1/4	193,674	1/4	182,399	1/4	171,215	1/4	160,004	1/4	148,785	1/4	134,904	1/4	119,954	1/4	90,037
1/2		1/2		1/2	193,445	1/2	182,166	1/2	170,982	1/2	159,770	1/2	148,552	1/2	134,592	1/2	119,642	1/2	89,726
3/4		3/4		3/4	193,215	3/4	181,933	3/4	170,749	3/4	159,536	3/4	148,319	3/4	134,281	3/4	119,331	3/4	89,414

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 OF 2" MMC VALVE
 GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

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





BARGE "HSM 4106"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 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	89,103	0	74,155	0	59,261	0	44,732	0	29,968	0	14,994	0		0		0		0	
1/4	88,791	1/4	73,845	1/4	58,954	1/4	44,428	1/4	29,656	1/4	14,682	1/4		1/4		1/4		1/4	
1/2	88,479	1/2	73,535	1/2	58,647	1/2	44,124	1/2	29,344	1/2	14,370	1/2		1/2		1/2		1/2	
3/4	88,168	3/4	73,225	3/4	58,340	3/4	43,820	3/4	29,032	3/4	14,058	3/4		3/4		3/4		3/4	
1	87,856	1	72,915	1	58,035	1	43,516	1	28,720	1	13,746	1		1		1		1	
1/4	87,544	1/4	72,605	1/4	57,729	1/4	43,211	1/4	28,408	1/4	13,434	1/4		1/4		1/4		1/4	
1/2	87,232	1/2	72,295	1/2	57,424	1/2	42,906	1/2	28,097	1/2	13,122	1/2		1/2		1/2		1/2	
3/4	86,920	3/4	71,985	3/4	57,119	3/4	42,602	3/4	27,785	3/4	12,810	3/4		3/4		3/4		3/4	
2	86,608	2	71,675	2	56,816	2	42,297	2	27,473	2	12,498	2		2		2		2	
1/4	86,296	1/4	71,365	1/4	56,513	1/4	41,992	1/4	27,161	1/4	12,186	1/4		1/4		1/4		1/4	
1/2	85,985	1/2	71,055	1/2	56,210	1/2	41,688	1/2	26,849	1/2	11,874	1/2		1/2		1/2		1/2	
3/4	85,673	3/4	70,745	3/4	55,907	3/4	41,383	3/4	26,538	3/4	11,562	3/4		3/4		3/4		3/4	
3	85,361	3	70,435	3	55,605	3	41,078	3	26,226	3	11,249	3		3		3		3	
1/4	85,049	1/4	70,125	1/4	55,303	1/4	40,774	1/4	25,914	1/4	10,937	1/4		1/4		1/4		1/4	
1/2	84,737	1/2	69,815	1/2	55,001	1/2	40,469	1/2	25,602	1/2	10,625	1/2		1/2		1/2		1/2	
3/4	84,425	3/4	69,505	3/4	54,699	3/4	40,164	3/4	25,290	3/4	10,312	3/4		3/4		3/4		3/4	
4	84,113	4	69,195	4	54,396	4	39,860	4	24,978	4	10,000	4		4		4		4	
1/4	83,801	1/4	68,885	1/4	54,094	1/4	39,555	1/4	24,666	1/4	9,687	1/4		1/4		1/4		1/4	
1/2	83,489	1/2	68,575	1/2	53,792	1/2	39,250	1/2	24,354	1/2	9,375	1/2		1/2		1/2		1/2	
3/4	83,177	3/4	68,265	3/4	53,490	3/4	38,945	3/4	24,042	3/4	9,062	3/4		3/4		3/4		3/4	
5	82,865	5	67,955	5	53,188	5	38,641	5	23,730	5	8,750	5		5		5		5	
1/4	82,553	1/4	67,645	1/4	52,886	1/4	38,336	1/4	23,418	1/4	8,438	1/4		1/4		1/4		1/4	
1/2	82,241	1/2	67,335	1/2	52,584	1/2	38,031	1/2	23,106	1/2	8,125	1/2		1/2		1/2		1/2	
3/4	81,929	3/4	67,025	3/4	52,281	3/4	37,727	3/4	22,794	3/4	7,813	3/4		3/4		3/4		3/4	
6	81,617	6	66,715	6	51,979	6	37,422	6	22,482	6	7,501	6		6		6		6	
1/4	81,306	1/4	66,405	1/4	51,677	1/4	37,117	1/4	22,170	1/4	7,189	1/4		1/4		1/4		1/4	
1/2	80,994	1/2	66,095	1/2	51,375	1/2	36,813	1/2	21,858	1/2	6,876	1/2		1/2		1/2		1/2	
3/4	80,682	3/4	65,785	3/4	51,073	3/4	36,508	3/4	21,546	3/4	6,564	3/4		3/4		3/4		3/4	
7	80,370	7	65,475	7	50,771	7	36,199	7	21,234	7	6,252	7		7		7		7	
1/4	80,058	1/4	65,165	1/4	50,469	1/4	35,889	1/4	20,922	1/4	5,940	1/4		1/4		1/4		1/4	
1/2	79,746	1/2	64,855	1/2	50,166	1/2	35,580	1/2	20,610	1/2	5,628	1/2		1/2		1/2		1/2	
3/4	79,434	3/4	64,545	3/4	49,864	3/4	35,270	3/4	20,298	3/4	5,315	3/4		3/4		3/4		3/4	
8	79,122	8	64,235	8	49,562	8	34,959	8	19,986	8	5,003	8		8		8		8	
1/4	78,810	1/4	63,925	1/4	49,260	1/4	34,647	1/4	19,674	1/4	4,691	1/4		1/4		1/4		1/4	
1/2	78,498	1/2	63,616	1/2	48,958	1/2	34,335	1/2	19,362	1/2	4,379	1/2		1/2		1/2		1/2	
3/4	78,186	3/4	63,306	3/4	48,656	3/4	34,024	3/4	19,050	3/4	4,067	3/4		3/4		3/4		3/4	
9	77,876	9	62,994	9	48,354	9	33,712	9	18,738	9	3,756	9		9		9		9	
1/4	77,565	1/4	62,683	1/4	48,052	1/4	33,400	1/4	18,426	1/4	3,445	1/4		1/4		1/4		1/4	
1/2	77,255	1/2	62,372	1/2	47,749	1/2	33,088	1/2	18,114	1/2	3,133	1/2		1/2		1/2		1/2	
3/4	76,944	3/4	62,061	3/4	47,447	3/4	32,776	3/4	17,802	3/4	2,822	3/4		3/4		3/4		3/4	
10	76,634	10	61,749	10	47,146	10	32,464	10	17,490	10	2,539	10		10		10		10	
1/4	76,324	1/4	61,437	1/4	46,844	1/4	32,152	1/4	17,178	1/4	2,257	1/4		1/4		1/4		1/4	
1/2	76,014	1/2	61,126	1/2	46,543	1/2	31,840	1/2	16,866	1/2	1,974	1/2		1/2		1/2		1/2	
3/4	75,704	3/4	60,814	3/4	46,241	3/4	31,528	3/4	16,554	3/4	1,691	3/4		3/4		3/4		3/4	
11	75,394	11	60,503	11	45,940	11	31,216	11	16,242	11	1,476	11		11		11		11	
1/4	75,084	1/4	60,191	1/4	45,638	1/4	30,904	1/4	15,930	1/4	1,261	1/4		1/4		1/4		1/4	
1/2	74,774	1/2	59,879	1/2	45,337	1/2	30,592	1/2	15,618	1/2	1,047	1/2		1/2		1/2		1/2	
3/4	74,465	3/4	59,568	3/4	45,036	3/4	30,280	3/4	15,306	3/4	832	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/14/2024 CL
CALCULATED: 11/15/2024 CL
PRINTED: 11/15/2024 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2024

PRECISION MEASUREMENT
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BARGE "HSM 4106"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 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		0		0	193,576	0	182,305	0	171,118	0	159,899	0	148,681	0	134,375	0	119,389	0	104,398
1/4		1/4		1/4	193,338	1/4	182,072	1/4	170,885	1/4	159,665	1/4	148,448	1/4	134,062	1/4	119,077	1/4	104,086
1/2		1/2		1/2	193,099	1/2	181,839	1/2	170,652	1/2	159,432	1/2	148,216	1/2	133,750	1/2	118,765	1/2	103,773
3/4		3/4		3/4	192,860	3/4	181,606	3/4	170,419	3/4	159,198	3/4	147,983	3/4	133,438	3/4	118,452	3/4	103,460
1		1		1	192,621	1	181,373	1	170,186	1	158,964	1	147,750	1	133,126	1	118,140	1	103,148
1/4		1/4		1/4	192,382	1/4	181,140	1/4	169,953	1/4	158,730	1/4	147,517	1/4	132,814	1/4	117,828	1/4	102,835
1/2		1/2		1/2	192,143	1/2	180,907	1/2	169,719	1/2	158,496	1/2	147,230	1/2	132,501	1/2	117,516	1/2	102,523
3/4		3/4		3/4	191,904	3/4	180,674	3/4	169,486	3/4	158,262	3/4	146,943	3/4	132,189	3/4	117,204	3/4	102,210
2		2		2	191,664	2	180,441	2	169,252	2	158,029	2	146,655	2	131,877	2	116,891	2	101,897
1/4		1/4		1/4	191,425	1/4	180,208	1/4	169,018	1/4	157,795	1/4	146,368	1/4	131,565	1/4	116,579	1/4	101,585
1/2		1/2		1/2	191,186	1/2	179,975	1/2	168,784	1/2	157,561	1/2	146,063	1/2	131,253	1/2	116,267	1/2	101,272
3/4		3/4		3/4	190,947	3/4	179,742	3/4	168,551	3/4	157,327	3/4	145,758	3/4	130,940	3/4	115,955	3/4	100,960
3		3		3	190,708	3	179,508	3	168,317	3	157,093	3	145,452	3	130,628	3	115,643	3	100,647
1/4		1/4		1/4	190,469	1/4	179,275	1/4	168,083	1/4	156,859	1/4	145,147	1/4	130,316	1/4	115,330	1/4	100,334
1/2		1/2		1/2	190,234	1/2	179,042	1/2	167,849	1/2	156,626	1/2	144,842	1/2	130,004	1/2	115,018	1/2	100,022
3/4		3/4		3/4	189,999	3/4	178,809	3/4	167,615	3/4	156,392	3/4	144,537	3/4	129,692	3/4	114,706	3/4	99,709
4		4		4	189,765	4	178,576	4	167,382	4	156,158	4	144,231	4	129,379	4	114,394	4	99,396
1/4		1/4		1/4	189,530	1/4	178,343	1/4	167,148	1/4	155,924	1/4	143,926	1/4	129,067	1/4	114,082	1/4	99,084
1/2		1/2		1/2	189,297	1/2	178,110	1/2	166,914	1/2	155,690	1/2	143,620	1/2	128,755	1/2	113,769	1/2	98,771
3/4		3/4		3/4	189,064	3/4	177,877	3/4	166,680	3/4	155,456	3/4	143,314	3/4	128,443	3/4	113,457	3/4	98,459
5		5		5	188,831	5	177,644	5	166,446	5	155,223	5	143,008	5	128,131	5	113,145	5	98,146
1/4		1/4		1/4	188,598	1/4	177,411	1/4	166,212	1/4	154,989	1/4	142,702	1/4	127,818	1/4	112,833	1/4	97,833
1/2		1/2		1/2	188,365	1/2	177,178	1/2	165,979	1/2	154,755	1/2	142,396	1/2	127,506	1/2	112,521	1/2	97,521
3/4		3/4		3/4	188,132	3/4	176,945	3/4	165,745	3/4	154,521	3/4	142,090	3/4	127,194	3/4	112,208	3/4	97,208
6		6		6	187,899	6	176,712	6	165,511	6	154,287	6	141,784	6	126,882	6	111,896	6	96,896
1/4		1/4		1/4	187,666	1/4	176,479	1/4	165,277	1/4	154,054	1/4	141,477	1/4	126,570	1/4	111,584	1/4	96,583
1/2		1/2		1/2	187,433	1/2	176,246	1/2	165,043	1/2	153,820	1/2	141,171	1/2	126,257	1/2	111,272	1/2	96,270
3/4		3/4		3/4	187,200	3/4	176,013	3/4	164,809	3/4	153,586	3/4	140,865	3/4	125,945	3/4	110,960	3/4	95,958
7		7		7	186,967	7	175,779	7	164,576	7	153,352	7	140,559	7	125,633	7	110,647	7	95,645
1/4		1/4	196,965	1/4	186,733	1/4	175,546	1/4	164,342	1/4	153,118	1/4	140,252	1/4	125,321	1/4	110,335	1/4	95,332
1/2		1/2	196,871	1/2	186,500	1/2	175,313	1/2	164,108	1/2	152,884	1/2	139,946	1/2	125,009	1/2	110,023	1/2	95,020
3/4		3/4	196,777	3/4	186,267	3/4	175,080	3/4	163,874	3/4	152,651	3/4	139,640	3/4	124,696	3/4	109,711	3/4	94,707
8		8	196,682	8	186,034	8	174,847	8	163,640	8	152,417	8	139,334	8	124,384	8	109,398	8	94,395
1/4		1/4	196,588	1/4	185,801	1/4	174,614	1/4	163,407	1/4	152,183	1/4	139,028	1/4	124,072	1/4	109,086	1/4	94,082
1/2		1/2	196,442	1/2	185,568	1/2	174,381	1/2	163,173	1/2	151,949	1/2	138,721	1/2	123,760	1/2	108,774	1/2	93,769
3/4		3/4	196,296	3/4	185,335	3/4	174,148	3/4	162,939	3/4	151,715	3/4	138,415	3/4	123,448	3/4	108,461	3/4	93,457
9		9	196,149	9	185,102	9	173,915	9	162,705	9	151,481	9	138,109	9	123,135	9	108,149	9	93,144
1/4		1/4	196,003	1/4	184,869	1/4	173,682	1/4	162,471	1/4	151,248	1/4	137,803	1/4	122,823	1/4	107,837	1/4	92,832
1/2		1/2	195,805	1/2	184,636	1/2	173,449	1/2	162,237	1/2	151,014	1/2	137,492	1/2	122,511	1/2	107,524	1/2	92,519
3/4		3/4	195,606	3/4	184,403	3/4	173,216	3/4	162,004	3/4	150,780	3/4	137,181	3/4	122,199	3/4	107,212	3/4	92,206
10		10	195,408	10	184,170	10	172,983	10	161,770	10	150,546	10	136,871	10	121,887	10	106,899	10	91,894
1/4		1/4	195,209	1/4	183,937	1/4	172,750	1/4	161,536	1/4	150,312	1/4	136,560	1/4	121,574	1/4	106,587	1/4	91,581
1/2		1/2	194,980	1/2	183,704	1/2	172,517	1/2	161,302	1/2	150,079	1/2	136,248	1/2	121,262	1/2	106,274	1/2	91,268
3/4		3/4	194,750	3/4	183,471	3/4	172,283	3/4	161,068	3/4	149,846	3/4	135,936	3/4	120,950	3/4	105,961	3/4	90,956
11		11	194,520	11	183,238	11	172,050	11	160,834	11	149,613	11	135,623	11	120,638	11	105,649	11	90,643
1/4		1/4	194,290	1/4	183,004	1/4	171,817	1/4	160,601	1/4	149,380	1/4	135,311	1/4	120,326	1/4	105,336	1/4	90,331
1/2		1/2	194,052	1/2	182,771	1/2	171,584	1/2	160,367	1/2	149,147	1/2	134,999	1/2	120,013	1/2	105,024	1/2	90,018
3/4		3/4	193,814	3/4	182,538	3/4	171,351	3/4	160,133	3/4	148,914	3/4	134,687	3/4	119,701	3/4	104,711	3/4	89,705

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 OF 2" MMC VALVE
 GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "HSM 4106"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 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	89,393	0	74,387	0	59,382	0	44,379	0	29,389	0	14,383	0		0		0		0	
1/4	89,080	1/4	74,075	1/4	59,069	1/4	44,067	1/4	29,076	1/4	14,071	1/4		1/4		1/4		1/4	
1/2	88,768	1/2	73,762	1/2	58,756	1/2	43,755	1/2	28,763	1/2	13,758	1/2		1/2		1/2		1/2	
3/4	88,455	3/4	73,449	3/4	58,444	3/4	43,443	3/4	28,451	3/4	13,446	3/4		3/4		3/4		3/4	
1	88,142	1	73,137	1	58,131	1	43,131	1	28,138	1	13,133	1		1		1		1	
1/4	87,830	1/4	72,824	1/4	57,819	1/4	42,819	1/4	27,826	1/4	12,820	1/4		1/4		1/4		1/4	
1/2	87,517	1/2	72,511	1/2	57,506	1/2	42,506	1/2	27,513	1/2	12,508	1/2		1/2		1/2		1/2	
3/4	87,204	3/4	72,199	3/4	57,193	3/4	42,194	3/4	27,200	3/4	12,195	3/4		3/4		3/4		3/4	
2	86,892	2	71,886	2	56,881	2	41,882	2	26,888	2	11,883	2		2		2		2	
1/4	86,579	1/4	71,574	1/4	56,568	1/4	41,570	1/4	26,575	1/4	11,570	1/4		1/4		1/4		1/4	
1/2	86,267	1/2	71,261	1/2	56,255	1/2	41,258	1/2	26,263	1/2	11,257	1/2		1/2		1/2		1/2	
3/4	85,954	3/4	70,948	3/4	55,943	3/4	40,946	3/4	25,950	3/4	10,945	3/4		3/4		3/4		3/4	
3	85,641	3	70,636	3	55,630	3	40,634	3	25,637	3	10,632	3		3		3		3	
1/4	85,329	1/4	70,323	1/4	55,318	1/4	40,322	1/4	25,325	1/4	10,320	1/4		1/4		1/4		1/4	
1/2	85,016	1/2	70,011	1/2	55,005	1/2	40,009	1/2	25,012	1/2	10,007	1/2		1/2		1/2		1/2	
3/4	84,704	3/4	69,698	3/4	54,692	3/4	39,697	3/4	24,700	3/4	9,694	3/4		3/4		3/4		3/4	
4	84,391	4	69,385	4	54,380	4	39,385	4	24,387	4	9,382	4		4		4		4	
1/4	84,078	1/4	69,073	1/4	54,067	1/4	39,073	1/4	24,074	1/4	9,069	1/4		1/4		1/4		1/4	
1/2	83,766	1/2	68,760	1/2	53,755	1/2	38,761	1/2	23,762	1/2	8,757	1/2		1/2		1/2		1/2	
3/4	83,453	3/4	68,447	3/4	53,442	3/4	38,449	3/4	23,449	3/4	8,444	3/4		3/4		3/4		3/4	
5	83,140	5	68,135	5	53,129	5	38,137	5	23,136	5	8,131	5		5		5		5	
1/4	82,828	1/4	67,822	1/4	52,817	1/4	37,825	1/4	22,824	1/4	7,819	1/4		1/4		1/4		1/4	
1/2	82,515	1/2	67,510	1/2	52,504	1/2	37,512	1/2	22,511	1/2	7,506	1/2		1/2		1/2		1/2	
3/4	82,203	3/4	67,197	3/4	52,191	3/4	37,200	3/4	22,199	3/4	7,194	3/4		3/4		3/4		3/4	
6	81,890	6	66,884	6	51,879	6	36,888	6	21,886	6	6,881	6		6		6		6	
1/4	81,577	1/4	66,572	1/4	51,566	1/4	36,576	1/4	21,573	1/4	6,568	1/4		1/4		1/4		1/4	
1/2	81,265	1/2	66,259	1/2	51,254	1/2	36,264	1/2	21,261	1/2	6,256	1/2		1/2		1/2		1/2	
3/4	80,952	3/4	65,947	3/4	50,941	3/4	35,952	3/4	20,948	3/4	5,943	3/4		3/4		3/4		3/4	
7	80,639	7	65,634	7	50,628	7	35,640	7	20,636	7	5,631	7		7		7		7	
1/4	80,327	1/4	65,321	1/4	50,316	1/4	35,328	1/4	20,323	1/4	5,318	1/4		1/4		1/4		1/4	
1/2	80,014	1/2	65,009	1/2	50,003	1/2	35,015	1/2	20,010	1/2	5,006	1/2		1/2		1/2		1/2	
3/4	79,702	3/4	64,696	3/4	49,691	3/4	34,703	3/4	19,698	3/4	4,694	3/4		3/4		3/4		3/4	
8	79,389	8	64,383	8	49,378	8	34,390	8	19,385	8	4,381	8		8		8		8	
1/4	79,076	1/4	64,071	1/4	49,065	1/4	34,078	1/4	19,073	1/4	4,069	1/4		1/4		1/4		1/4	
1/2	78,764	1/2	63,758	1/2	48,753	1/2	33,765	1/2	18,760	1/2	3,758	1/2		1/2		1/2		1/2	
3/4	78,451	3/4	63,446	3/4	48,440	3/4	33,453	3/4	18,447	3/4	3,446	3/4		3/4		3/4		3/4	
9	78,139	9	63,133	9	48,127	9	33,140	9	18,135	9	3,135	9		9		9		9	
1/4	77,826	1/4	62,820	1/4	47,815	1/4	32,827	1/4	17,822	1/4	2,824	1/4		1/4		1/4		1/4	
1/2	77,513	1/2	62,508	1/2	47,502	1/2	32,515	1/2	17,510	1/2	2,511	1/2		1/2		1/2		1/2	
3/4	77,201	3/4	62,195	3/4	47,190	3/4	32,202	3/4	17,197	3/4	2,258	3/4		3/4		3/4		3/4	
10	76,888	10	61,883	10	46,878	10	31,889	10	16,884	10	1,975	10		10		10		10	
1/4	76,575	1/4	61,570	1/4	46,565	1/4	31,577	1/4	16,572	1/4	1,692	1/4		1/4		1/4		1/4	
1/2	76,263	1/2	61,257	1/2	46,253	1/2	31,264	1/2	16,259	1/2	1,477	1/2		1/2		1/2		1/2	
3/4	75,950	3/4	60,945	3/4	45,940	3/4	30,952	3/4	15,947	3/4	1,262	3/4		3/4		3/4		3/4	
11	75,638	11	60,632	11	45,628	11	30,639	11	15,634	11	1,047	11		11		11		11	
1/4	75,325	1/4	60,319	1/4	45,316	1/4	30,326	1/4	15,321	1/4	832	1/4		1/4		1/4		1/4	
1/2	75,012	1/2	60,007	1/2	45,004	1/2	30,014	1/2	15,009	1/2		1/2		1/2		1/2		1/2	
3/4	74,700	3/4	59,694	3/4	44,691	3/4	29,701	3/4	14,696	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/14/2024 CL
CALCULATED: 11/15/2024 CL
PRINTED: 11/15/2024 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2024

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