



BARGE "HSM 4104"

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	- 00-1/8	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
3 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

(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"

October 24, 2024

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

<http://www.pmacorp.net>



BARGE "HSM 4104"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11"

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	206,734	0	191,785	0	176,794	0	161,762	0	146,726	0	131,691	0	116,655	0	101,616		
1/4	1/4	1/4	206,423	1/4	191,473	1/4	176,481	1/4	161,449	1/4	146,413	1/4	131,377	1/4	116,341	1/4	101,303		
1/2	1/2	1/2	206,113	1/2	191,161	1/2	176,169	1/2	161,136	1/2	146,100	1/2	131,064	1/2	116,028	1/2	100,989		
3/4	3/4	3/4	205,803	3/4	190,848	3/4	175,857	3/4	160,822	3/4	145,787	3/4	130,751	3/4	115,715	3/4	100,676		
1	1	1	205,493	1	190,536	1	175,544	1	160,509	1	145,473	1	130,438	1	115,402	1	100,363		
1/4	1/4	1/4	205,183	1/4	190,224	1/4	175,231	1/4	160,196	1/4	145,160	1/4	130,124	1/4	115,088	1/4	100,049		
1/2	1/2	1/2	204,872	1/2	189,912	1/2	174,918	1/2	159,883	1/2	144,847	1/2	129,811	1/2	114,775	1/2	99,736		
3/4	3/4	3/4	204,562	3/4	189,599	3/4	174,605	3/4	159,569	3/4	144,534	3/4	129,498	3/4	114,462	3/4	99,423		
2	2	2	204,252	2	189,287	2	174,292	2	159,256	2	144,220	2	129,185	2	114,149	2	99,109		
1/4	1/4	1/4	203,941	1/4	188,975	1/4	173,979	1/4	158,943	1/4	143,907	1/4	128,871	1/4	113,835	1/4	98,796		
1/2	1/2	1/2	203,631	1/2	188,662	1/2	173,666	1/2	158,630	1/2	143,594	1/2	128,558	1/2	113,522	1/2	98,482		
3/4	3/4	3/4	203,321	3/4	188,350	3/4	173,352	3/4	158,317	3/4	143,281	3/4	128,245	3/4	113,209	3/4	98,169		
3	3	3	203,010	3	188,038	3	173,039	3	158,003	3	142,967	3	127,932	3	112,896	3	97,856		
1/4	1/4	1/4	202,700	1/4	187,725	1/4	172,726	1/4	157,690	1/4	142,654	1/4	127,618	1/4	112,582	1/4	97,542		
1/2	1/2	1/2	202,390	1/2	187,413	1/2	172,413	1/2	157,377	1/2	142,341	1/2	127,305	1/2	112,269	1/2	97,229		
3/4	3/4	3/4	202,080	3/4	187,101	3/4	172,099	3/4	157,064	3/4	142,028	3/4	126,992	3/4	111,956	3/4	96,915		
4	4	4	201,769	4	186,788	4	171,786	4	156,750	4	141,714	4	126,679	4	111,643	4	96,602		
1/4	1/4	1/4	201,459	1/4	186,476	1/4	171,473	1/4	156,437	1/4	141,401	1/4	126,365	1/4	111,329	1/4	96,289		
1/2	1/2	1/2	201,149	1/2	186,164	1/2	171,160	1/2	156,124	1/2	141,088	1/2	126,052	1/2	111,016	1/2	95,975		
3/4	3/4	3/4	200,839	3/4	185,851	3/4	170,846	3/4	155,811	3/4	140,775	3/4	125,739	3/4	110,703	3/4	95,662		
5	5	5	200,529	5	185,539	5	170,533	5	155,497	5	140,461	5	125,426	5	110,390	5	95,349		
1/4	1/4	1/4	200,217	1/4	185,227	1/4	170,220	1/4	155,184	1/4	140,148	1/4	125,112	1/4	110,076	1/4	95,035		
1/2	1/2	1/2	199,905	1/2	184,914	1/2	169,907	1/2	154,871	1/2	139,835	1/2	124,799	1/2	109,763	1/2	94,722		
3/4	3/4	3/4	199,593	3/4	184,602	3/4	169,593	3/4	154,558	3/4	139,522	3/4	124,486	3/4	109,450	3/4	94,408		
6	6	6	199,281	6	184,290	6	169,280	6	154,244	6	139,208	6	124,173	6	109,137	6	94,095		
1/4	1/4	1/4	198,969	1/4	183,977	1/4	168,967	1/4	153,931	1/4	138,895	1/4	123,859	1/4	108,823	1/4	93,782		
1/2	1/2	1/2	198,657	1/2	183,665	1/2	168,654	1/2	153,618	1/2	138,582	1/2	123,546	1/2	108,510	1/2	93,468		
3/4	3/4	3/4	198,344	3/4	183,353	3/4	168,340	3/4	153,305	3/4	138,269	3/4	123,233	3/4	108,197	3/4	93,155		
7	7	7	211,810	7	198,032	7	183,040	7	168,027	7	152,991	7	137,955	7	122,920	7	107,884	7	92,842
1/4	1/4	1/4	211,643	1/4	197,720	1/4	182,728	1/4	167,714	1/4	152,678	1/4	137,642	1/4	122,606	1/4	107,570	1/4	92,528
1/2	1/2	1/2	211,476	1/2	197,407	1/2	182,416	1/2	167,401	1/2	152,365	1/2	137,329	1/2	122,293	1/2	107,257	1/2	92,215
3/4	3/4	3/4	211,309	3/4	197,095	3/4	182,103	3/4	167,087	3/4	152,052	3/4	137,016	3/4	121,980	3/4	106,944	3/4	91,901
8	8	8	211,143	8	196,783	8	181,791	8	166,774	8	151,738	8	136,702	8	121,667	8	106,630	8	91,588
1/4	1/4	1/4	210,924	1/4	196,470	1/4	181,479	1/4	166,461	1/4	151,425	1/4	136,389	1/4	121,353	1/4	106,317	1/4	91,275
1/2	1/2	1/2	210,705	1/2	196,158	1/2	181,166	1/2	166,148	1/2	151,112	1/2	136,076	1/2	121,040	1/2	106,004	1/2	90,961
3/4	3/4	3/4	210,486	3/4	195,846	3/4	180,854	3/4	165,834	3/4	150,799	3/4	135,763	3/4	120,727	3/4	105,690	3/4	90,648
9	9	9	210,267	9	195,533	9	180,542	9	165,521	9	150,485	9	135,449	9	120,414	9	105,377	9	90,334
1/4	1/4	1/4	209,996	1/4	195,221	1/4	180,229	1/4	165,208	1/4	150,172	1/4	135,136	1/4	120,100	1/4	105,063	1/4	90,021
1/2	1/2	1/2	209,725	1/2	194,909	1/2	179,917	1/2	164,895	1/2	149,859	1/2	134,823	1/2	119,787	1/2	104,750	1/2	89,708
3/4	3/4	3/4	209,454	3/4	194,596	3/4	179,605	3/4	164,581	3/4	149,546	3/4	134,510	3/4	119,474	3/4	104,437	3/4	89,394
10	10	10	209,183	10	194,284	10	179,292	10	164,268	10	149,232	10	134,196	10	119,161	10	104,123	10	89,081
1/4	1/4	1/4	208,880	1/4	193,972	1/4	178,980	1/4	163,955	1/4	148,919	1/4	133,883	1/4	118,847	1/4	103,810	1/4	88,768
1/2	1/2	1/2	208,577	1/2	193,659	1/2	178,668	1/2	163,642	1/2	148,606	1/2	133,570	1/2	118,534	1/2	103,497	1/2	88,454
3/4	3/4	3/4	208,275	3/4	193,347	3/4	178,355	3/4	163,328	3/4	148,293	3/4	133,257	3/4	118,221	3/4	103,183	3/4	88,141
11	11	11	207,972	11	193,035	11	178,043	11	163,015	11	147,979	11	132,943	11	117,908	11	102,870	11	87,827
1/4	1/4	1/4	207,662	1/4	192,722	1/4	177,731	1/4	162,702	1/4	147,666	1/4	132,630	1/4	117,594	1/4	102,556	1/4	87,514
1/2	1/2	1/2	207,353	1/2	192,410	1/2	177,418	1/2	162,389	1/2	147,353	1/2	132,317	1/2	117,281	1/2	102,243	1/2	87,201
3/4	3/4	3/4	207,043	3/4	192,098	3/4	177,106	3/4	162,075	3/4	147,040	3/4	132,004	3/4	116,968	3/4	101,930	3/4	86,887

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.

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1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11"

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	86,574	0	71,531	0	56,544	0	41,552	0	26,510	0	11,711	0	0	0	0	0	0	0	0
1/4	86,260	1/4	71,218	1/4	56,233	1/4	41,238	1/4	26,196	1/4	11,420	1/4	0	0	0	0	0	0	0
1/2	85,947	1/2	70,905	1/2	55,922	1/2	40,925	1/2	25,883	1/2	11,130	1/2	0	0	0	0	0	0	0
3/4	85,634	3/4	70,591	3/4	55,611	3/4	40,612	3/4	25,570	3/4	10,839	3/4	0	0	0	0	0	0	0
1	85,320	1	70,278	1	55,300	1	40,298	1	25,256	1	10,549	1	0	0	0	0	0	0	0
1/4	85,007	1/4	69,965	1/4	54,989	1/4	39,985	1/4	24,943	1/4	10,262	1/4	0	0	0	0	0	0	0
1/2	84,694	1/2	69,651	1/2	54,678	1/2	39,672	1/2	24,630	1/2	9,975	1/2	0	0	0	0	0	0	0
3/4	84,380	3/4	69,338	3/4	54,367	3/4	39,358	3/4	24,316	3/4	9,688	3/4	0	0	0	0	0	0	0
2	84,067	2	69,024	2	54,056	2	39,045	2	24,003	2	9,401	2	0	0	0	0	0	0	0
1/4	83,753	1/4	68,711	1/4	53,745	1/4	38,731	1/4	23,689	1/4	9,118	1/4	0	0	0	0	0	0	0
1/2	83,440	1/2	68,398	1/2	53,434	1/2	38,418	1/2	23,376	1/2	8,835	1/2	0	0	0	0	0	0	0
3/4	83,127	3/4	68,084	3/4	53,123	3/4	38,105	3/4	23,063	3/4	8,551	3/4	0	0	0	0	0	0	0
3	82,813	3	67,771	3	52,812	3	37,791	3	22,749	3	8,268	3	0	0	0	0	0	0	0
1/4	82,500	1/4	67,458	1/4	52,500	1/4	37,478	1/4	22,436	1/4	7,989	1/4	0	0	0	0	0	0	0
1/2	82,186	1/2	67,144	1/2	52,189	1/2	37,165	1/2	22,123	1/2	7,709	1/2	0	0	0	0	0	0	0
3/4	81,873	3/4	66,831	3/4	51,878	3/4	36,851	3/4	21,809	3/4	7,429	3/4	0	0	0	0	0	0	0
4	81,560	4	66,517	4	51,566	4	36,538	4	21,496	4	7,150	4	0	0	0	0	0	0	0
1/4	81,246	1/4	66,204	1/4	51,254	1/4	36,224	1/4	21,183	1/4	6,874	1/4	0	0	0	0	0	0	0
1/2	80,933	1/2	65,891	1/2	50,943	1/2	35,911	1/2	20,869	1/2	6,598	1/2	0	0	0	0	0	0	0
3/4	80,620	3/4	65,577	3/4	50,631	3/4	35,598	3/4	20,556	3/4	6,322	3/4	0	0	0	0	0	0	0
5	80,306	5	65,264	5	50,319	5	35,284	5	20,242	5	6,046	5	0	0	0	0	0	0	0
1/4	79,993	1/4	64,951	1/4	50,007	1/4	34,971	1/4	19,929	1/4	5,774	1/4	0	0	0	0	0	0	0
1/2	79,679	1/2	64,638	1/2	49,695	1/2	34,658	1/2	19,616	1/2	5,501	1/2	0	0	0	0	0	0	0
3/4	79,366	3/4	64,324	3/4	49,383	3/4	34,344	3/4	19,302	3/4	5,229	3/4	0	0	0	0	0	0	0
6	79,053	6	64,011	6	49,071	6	34,031	6	18,989	6	4,957	6	0	0	0	0	0	0	0
1/4	78,739	1/4	63,700	1/4	48,758	1/4	33,717	1/4	18,677	1/4	4,688	1/4	0	0	0	0	0	0	0
1/2	78,426	1/2	63,388	1/2	48,445	1/2	33,404	1/2	18,365	1/2	4,420	1/2	0	0	0	0	0	0	0
3/4	78,113	3/4	63,076	3/4	48,132	3/4	33,091	3/4	18,053	3/4	4,151	3/4	0	0	0	0	0	0	0
7	77,799	7	62,765	7	47,819	7	32,777	7	17,741	7	3,883	7	0	0	0	0	0	0	0
1/4	77,486	1/4	62,453	1/4	47,506	1/4	32,464	1/4	17,432	1/4	3,618	1/4	0	0	0	0	0	0	0
1/2	77,172	1/2	62,142	1/2	47,192	1/2	32,151	1/2	17,123	1/2	3,353	1/2	0	0	0	0	0	0	0
3/4	76,859	3/4	61,831	3/4	46,879	3/4	31,837	3/4	16,814	3/4	3,089	3/4	0	0	0	0	0	0	0
8	76,546	8	61,520	8	46,566	8	31,524	8	16,506	8	2,824	8	0	0	0	0	0	0	0
1/4	76,232	1/4	61,209	1/4	46,252	1/4	31,210	1/4	16,200	1/4	2,564	1/4	0	0	0	0	0	0	0
1/2	75,919	1/2	60,898	1/2	45,939	1/2	30,897	1/2	15,895	1/2	2,304	1/2	0	0	0	0	0	0	0
3/4	75,605	3/4	60,587	3/4	45,626	3/4	30,584	3/4	15,590	3/4	2,044	3/4	0	0	0	0	0	0	0
9	75,292	9	60,276	9	45,312	9	30,270	9	15,285	9	1,784	9	0	0	0	0	0	0	0
1/4	74,979	1/4	59,965	1/4	44,999	1/4	29,957	1/4	14,984	1/4	1,556	1/4	0	0	0	0	0	0	0
1/2	74,665	1/2	59,654	1/2	44,685	1/2	29,644	1/2	14,682	1/2	1,328	1/2	0	0	0	0	0	0	0
3/4	74,352	3/4	59,343	3/4	44,372	3/4	29,330	3/4	14,381	3/4	1,100	3/4	0	0	0	0	0	0	0
10	74,039	10	59,032	10	44,059	10	29,017	10	14,079	10	872	10	0	0	0	0	0	0	0
1/4	73,725	1/4	58,721	1/4	43,745	1/4	28,703	1/4	13,781	1/4	716	1/4	0	0	0	0	0	0	0
1/2	73,412	1/2	58,410	1/2	43,432	1/2	28,390	1/2	13,483	1/2	560	1/2	0	0	0	0	0	0	0
3/4	73,098	3/4	58,099	3/4	43,119	3/4	28,077	3/4	13,185	3/4	404	3/4	0	0	0	0	0	0	0
11	72,785	11	57,788	11	42,805	11	27,763	11	12,888	11	248	11	0	0	0	0	0	0	0
1/4	72,472	1/4	57,477	1/4	42,492	1/4	27,450	1/4	12,593	1/4	92	1/4	0	0	0	0	0	0	0
1/2	72,158	1/2	57,166	1/2	42,179	1/2	27,137	1/2	12,299	1/2	0	1/2	0	0	0	0	0	0	0
3/4	71,845	3/4	56,855	3/4	41,865	3/4	26,823	3/4	12,005	3/4	0	3/4	0	0	0	0	0	0	0

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/24/2024 CL
CALCULATED: 10/24/2024 CL
PRINTED: 10/25/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2024

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 4104"

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	206,864	0	191,938	0	176,966	0	161,956	0	146,940	0	131,924	0	116,909	0	101,891		
1/4	1/4	1/4	206,554	1/4	191,626	1/4	176,654	1/4	161,643	1/4	146,627	1/4	131,612	1/4	116,596	1/4	101,578		
1/2	1/2	1/2	206,245	1/2	191,314	1/2	176,342	1/2	161,330	1/2	146,314	1/2	131,299	1/2	116,283	1/2	101,265		
3/4	3/4	3/4	205,935	3/4	191,002	3/4	176,030	3/4	161,017	3/4	146,002	3/4	130,986	3/4	115,970	3/4	100,952		
1	1	1	205,625	1	190,690	1	175,718	1	160,705	1	145,689	1	130,673	1	115,658	1	100,639		
1/4	1/4	1/4	205,315	1/4	190,378	1/4	175,407	1/4	160,392	1/4	145,376	1/4	130,360	1/4	115,345	1/4	100,326		
1/2	1/2	1/2	205,005	1/2	190,067	1/2	175,094	1/2	160,079	1/2	145,063	1/2	130,047	1/2	115,032	1/2	100,013		
3/4	3/4	3/4	204,695	3/4	189,755	3/4	174,781	3/4	159,766	3/4	144,750	3/4	129,735	3/4	114,719	3/4	99,700		
2	2	2	204,386	2	189,443	2	174,469	2	159,453	2	144,437	2	129,422	2	114,406	2	99,387		
1/4	1/4	1/4	204,076	1/4	189,131	1/4	174,156	1/4	159,140	1/4	144,125	1/4	129,109	1/4	114,094	1/4	99,074		
1/2	1/2	1/2	203,766	1/2	188,819	1/2	173,843	1/2	158,828	1/2	143,812	1/2	128,796	1/2	113,781	1/2	98,761		
3/4	3/4	3/4	203,456	3/4	188,507	3/4	173,530	3/4	158,515	3/4	143,499	3/4	128,483	3/4	113,468	3/4	98,448		
3	3	3	203,146	3	188,195	3	173,218	3	158,202	3	143,186	3	128,171	3	113,155	3	98,135		
1/4	1/4	1/4	202,836	1/4	187,883	1/4	172,905	1/4	157,889	1/4	142,873	1/4	127,858	1/4	112,842	1/4	97,823		
1/2	1/2	1/2	202,526	1/2	187,571	1/2	172,592	1/2	157,576	1/2	142,560	1/2	127,545	1/2	112,529	1/2	97,510		
3/4	3/4	3/4	202,216	3/4	187,259	3/4	172,279	3/4	157,263	3/4	142,248	3/4	127,232	3/4	112,217	3/4	97,197		
4	4	4	201,907	4	186,947	4	171,966	4	156,951	4	141,935	4	126,919	4	111,904	4	96,884		
1/4	1/4	1/4	201,597	1/4	186,636	1/4	171,654	1/4	156,638	1/4	141,622	1/4	126,606	1/4	111,591	1/4	96,571		
1/2	1/2	1/2	201,287	1/2	186,324	1/2	171,341	1/2	156,325	1/2	141,309	1/2	126,294	1/2	111,278	1/2	96,258		
3/4	3/4	3/4	200,977	3/4	186,012	3/4	171,028	3/4	156,012	3/4	140,996	3/4	125,981	3/4	110,965	3/4	95,945		
5	5	5	200,667	5	185,700	5	170,715	5	155,699	5	140,684	5	125,668	5	110,652	5	95,632		
1/4	1/4	1/4	200,358	1/4	185,388	1/4	170,402	1/4	155,386	1/4	140,371	1/4	125,355	1/4	110,340	1/4	95,319		
1/2	1/2	1/2	200,046	1/2	185,076	1/2	170,089	1/2	155,074	1/2	140,058	1/2	125,042	1/2	110,027	1/2	95,006		
3/4	3/4	3/4	199,735	3/4	184,764	3/4	169,777	3/4	154,761	3/4	139,745	3/4	124,729	3/4	109,714	3/4	94,693		
6	6	6	199,424	6	184,452	6	169,464	6	154,448	6	139,432	6	124,417	6	109,401	6	94,380		
1/4	1/4	1/4	199,112	1/4	184,140	1/4	169,151	1/4	154,135	1/4	139,119	1/4	124,104	1/4	109,088	1/4	94,067		
1/2	1/2	1/2	198,800	1/2	183,828	1/2	168,838	1/2	153,822	1/2	138,807	1/2	123,791	1/2	108,776	1/2	93,754		
3/4	3/4	3/4	198,488	3/4	183,516	3/4	168,525	3/4	153,509	3/4	138,494	3/4	123,478	3/4	108,463	3/4	93,441		
7	7	7	198,176	7	183,204	7	168,212	7	153,197	7	138,181	7	123,165	7	108,150	7	93,128		
1/4	1/4	211,624	197,864	1/4	182,893	1/4	167,900	1/4	152,884	1/4	137,868	1/4	122,853	1/4	107,837	1/4	92,815		
1/2	1/2	211,457	197,553	1/2	182,581	1/2	167,587	1/2	152,571	1/2	137,555	1/2	122,540	1/2	107,524	1/2	92,502		
3/4	3/4	211,291	197,241	3/4	182,269	3/4	167,274	3/4	152,258	3/4	137,242	3/4	122,227	3/4	107,211	3/4	92,189		
8	8	211,124	196,929	8	181,957	8	166,961	8	151,945	8	136,930	8	121,914	8	106,898	8	91,876		
1/4	1/4	210,958	196,617	1/4	181,645	1/4	166,648	1/4	151,633	1/4	136,617	1/4	121,601	1/4	106,585	1/4	91,563		
1/2	1/2	210,739	196,305	1/2	181,333	1/2	166,335	1/2	151,320	1/2	136,304	1/2	121,288	1/2	106,272	1/2	91,250		
3/4	3/4	210,520	195,993	3/4	181,021	3/4	166,023	3/4	151,007	3/4	135,991	3/4	120,976	3/4	105,959	3/4	90,937		
9	9	210,302	195,681	9	180,709	9	165,710	9	150,694	9	135,678	9	120,663	9	105,646	9	90,624		
1/4	1/4	210,083	195,369	1/4	180,397	1/4	165,397	1/4	150,381	1/4	135,365	1/4	120,350	1/4	105,334	1/4	90,312		
1/2	1/2	209,812	195,057	1/2	180,085	1/2	165,084	1/2	150,068	1/2	135,053	1/2	120,037	1/2	105,021	1/2	89,999		
3/4	3/4	209,542	194,745	3/4	179,773	3/4	164,771	3/4	149,756	3/4	134,740	3/4	119,724	3/4	104,708	3/4	89,686		
10	10	209,271	194,433	10	179,461	10	164,458	10	149,443	10	134,427	10	119,411	10	104,395	10	89,373		
1/4	1/4	209,000	194,121	1/4	179,150	1/4	164,146	1/4	149,130	1/4	134,114	1/4	119,099	1/4	104,082	1/4	89,060		
1/2	1/2	208,698	193,810	1/2	178,838	1/2	163,833	1/2	148,817	1/2	133,801	1/2	118,786	1/2	103,769	1/2	88,747		
3/4	3/4	208,396	193,498	3/4	178,526	3/4	163,520	3/4	148,504	3/4	133,489	3/4	118,473	3/4	103,456	3/4	88,434		
11	11	208,093	193,186	11	178,214	11	163,207	11	148,191	11	133,176	11	118,160	11	103,143	11	88,121		
1/4	1/4	207,791	192,874	1/4	177,902	1/4	162,894	1/4	147,879	1/4	132,863	1/4	117,847	1/4	102,830	1/4	87,808		
1/2	1/2	207,482	192,562	1/2	177,590	1/2	162,581	1/2	147,566	1/2	132,550	1/2	117,535	1/2	102,517	1/2	87,495		
3/4	3/4	207,173	192,250	3/4	177,278	3/4	162,269	3/4	147,253	3/4	132,237	3/4	117,222	3/4	102,204	3/4	87,182		

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 4104"

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	86,869	0	71,847	0	56,829	0	41,811	0	26,789	0	11,991	0		0		0		0	
1/4	86,556	1/4	71,534	1/4	56,516	1/4	41,498	1/4	26,476	1/4	11,697	1/4		1/4		1/4		1/4	
1/2	86,243	1/2	71,221	1/2	56,203	1/2	41,185	1/2	26,163	1/2	11,407	1/2		1/2		1/2		1/2	
3/4	85,930	3/4	70,908	3/4	55,890	3/4	40,872	3/4	25,850	3/4	11,117	3/4		3/4		3/4		3/4	
1	85,617	1	70,595	1	55,578	1	40,559	1	25,537	1	10,826	1		1		1		1	
1/4	85,304	1/4	70,282	1/4	55,265	1/4	40,246	1/4	25,224	1/4	10,536	1/4		1/4		1/4		1/4	
1/2	84,991	1/2	69,969	1/2	54,952	1/2	39,933	1/2	24,911	1/2	10,250	1/2		1/2		1/2		1/2	
3/4	84,678	3/4	69,656	3/4	54,640	3/4	39,620	3/4	24,598	3/4	9,963	3/4		3/4		3/4		3/4	
2	84,365	2	69,343	2	54,327	2	39,307	2	24,286	2	9,677	2		2		2		2	
1/4	84,052	1/4	69,030	1/4	54,014	1/4	38,994	1/4	23,973	1/4	9,390	1/4		1/4		1/4		1/4	
1/2	83,739	1/2	68,717	1/2	53,701	1/2	38,681	1/2	23,660	1/2	9,107	1/2		1/2		1/2		1/2	
3/4	83,426	3/4	68,404	3/4	53,389	3/4	38,368	3/4	23,347	3/4	8,824	3/4		3/4		3/4		3/4	
3	83,113	3	68,091	3	53,076	3	38,055	3	23,034	3	8,542	3		3		3		3	
1/4	82,801	1/4	67,779	1/4	52,763	1/4	37,742	1/4	22,721	1/4	8,259	1/4		1/4		1/4		1/4	
1/2	82,488	1/2	67,466	1/2	52,450	1/2	37,429	1/2	22,408	1/2	7,979	1/2		1/2		1/2		1/2	
3/4	82,175	3/4	67,153	3/4	52,138	3/4	37,116	3/4	22,095	3/4	7,700	3/4		3/4		3/4		3/4	
4	81,862	4	66,840	4	51,825	4	36,803	4	21,782	4	7,421	4		4		4		4	
1/4	81,549	1/4	66,527	1/4	51,512	1/4	36,491	1/4	21,469	1/4	7,142	1/4		1/4		1/4		1/4	
1/2	81,236	1/2	66,214	1/2	51,199	1/2	36,178	1/2	21,156	1/2	6,866	1/2		1/2		1/2		1/2	
3/4	80,923	3/4	65,901	3/4	50,886	3/4	35,865	3/4	20,843	3/4	6,591	3/4		3/4		3/4		3/4	
5	80,610	5	65,588	5	50,573	5	35,552	5	20,530	5	6,315	5		5		5		5	
1/4	80,297	1/4	65,275	1/4	50,260	1/4	35,239	1/4	20,217	1/4	6,039	1/4		1/4		1/4		1/4	
1/2	79,984	1/2	64,962	1/2	49,947	1/2	34,926	1/2	19,904	1/2	5,767	1/2		1/2		1/2		1/2	
3/4	79,671	3/4	64,649	3/4	49,634	3/4	34,613	3/4	19,591	3/4	5,495	3/4		3/4		3/4		3/4	
6	79,358	6	64,336	6	49,321	6	34,300	6	19,278	6	5,224	6		6		6		6	
1/4	79,045	1/4	64,023	1/4	49,008	1/4	33,987	1/4	18,965	1/4	4,952	1/4		1/4		1/4		1/4	
1/2	78,732	1/2	63,710	1/2	48,696	1/2	33,674	1/2	18,654	1/2	4,683	1/2		1/2		1/2		1/2	
3/4	78,419	3/4	63,397	3/4	48,383	3/4	33,361	3/4	18,342	3/4	4,415	3/4		3/4		3/4		3/4	
7	78,106	7	63,084	7	48,070	7	33,048	7	18,031	7	4,147	7		7		7		7	
1/4	77,793	1/4	62,771	1/4	47,757	1/4	32,735	1/4	17,719	1/4	3,879	1/4		1/4		1/4		1/4	
1/2	77,480	1/2	62,458	1/2	47,444	1/2	32,422	1/2	17,411	1/2	3,614	1/2		1/2		1/2		1/2	
3/4	77,167	3/4	62,145	3/4	47,131	3/4	32,109	3/4	17,102	3/4	3,350	3/4		3/4		3/4		3/4	
8	76,854	8	61,833	8	46,818	8	31,796	8	16,794	8	3,086	8		8		8		8	
1/4	76,541	1/4	61,520	1/4	46,505	1/4	31,483	1/4	16,485	1/4	2,821	1/4		1/4		1/4		1/4	
1/2	76,228	1/2	61,207	1/2	46,192	1/2	31,170	1/2	16,181	1/2	2,562	1/2		1/2		1/2		1/2	
3/4	75,915	3/4	60,894	3/4	45,879	3/4	30,857	3/4	15,876	3/4	2,302	3/4		3/4		3/4		3/4	
9	75,602	9	60,581	9	45,566	9	30,545	9	15,571	9	2,042	9		9		9		9	
1/4	75,290	1/4	60,269	1/4	45,253	1/4	30,232	1/4	15,267	1/4	1,782	1/4		1/4		1/4		1/4	
1/2	74,977	1/2	59,956	1/2	44,940	1/2	29,919	1/2	14,965	1/2	1,555	1/2		1/2		1/2		1/2	
3/4	74,664	3/4	59,643	3/4	44,627	3/4	29,606	3/4	14,664	3/4	1,327	3/4		3/4		3/4		3/4	
10	74,351	10	59,331	10	44,314	10	29,293	10	14,363	10	1,099	10		10		10		10	
1/4	74,038	1/4	59,018	1/4	44,001	1/4	28,980	1/4	14,062	1/4	872	1/4		1/4		1/4		1/4	
1/2	73,725	1/2	58,705	1/2	43,688	1/2	28,667	1/2	13,765	1/2	716	1/2		1/2		1/2		1/2	
3/4	73,412	3/4	58,392	3/4	43,375	3/4	28,354	3/4	13,467	3/4	560	3/4		3/4		3/4		3/4	
11	73,099	11	58,080	11	43,062	11	28,041	11	13,170	11	404	11		11		11		11	
1/4	72,786	1/4	57,767	1/4	42,750	1/4	27,728	1/4	12,872	1/4	248	1/4		1/4		1/4		1/4	
1/2	72,473	1/2	57,454	1/2	42,437	1/2	27,415	1/2	12,578	1/2		1/2		1/2		1/2		1/2	
3/4	72,160	3/4	57,141	3/4	42,124	3/4	27,102	3/4	12,285	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/24/2024 CL
CALCULATED: 10/24/2024 CL
PRINTED: 10/25/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2024

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 4104"

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	209,495	0	194,578	0	179,591	0	164,560	0	149,521	0	134,483	0	119,445	0	104,403		
1/4	1/4	1/4	209,186	1/4	194,266	1/4	179,279	1/4	164,247	1/4	149,208	1/4	134,170	1/4	119,131	1/4	104,090		
1/2	1/2	1/2	208,877	1/2	193,954	1/2	178,966	1/2	163,933	1/2	148,895	1/2	133,856	1/2	118,818	1/2	103,777		
3/4	3/4	3/4	208,568	3/4	193,641	3/4	178,654	3/4	163,620	3/4	148,581	3/4	133,543	3/4	118,505	3/4	103,463		
1	1	1	208,259	1	193,329	1	178,342	1	163,307	1	148,268	1	133,230	1	118,191	1	103,150		
1/4	1/4	1/4	207,950	1/4	193,017	1/4	178,030	1/4	162,993	1/4	147,955	1/4	132,916	1/4	117,878	1/4	102,836		
1/2	1/2	1/2	207,641	1/2	192,705	1/2	177,717	1/2	162,680	1/2	147,642	1/2	132,603	1/2	117,565	1/2	102,523		
3/4	3/4	3/4	207,332	3/4	192,392	3/4	177,404	3/4	162,367	3/4	147,328	3/4	132,290	3/4	117,251	3/4	102,209		
2	2	2	207,022	2	192,080	2	177,091	2	162,053	2	147,015	2	131,977	2	116,938	2	101,896		
1/4	1/4	1/4	206,713	1/4	191,768	1/4	176,778	1/4	161,740	1/4	146,702	1/4	131,663	1/4	116,625	1/4	101,582		
1/2	1/2	1/2	206,404	1/2	191,456	1/2	176,465	1/2	161,427	1/2	146,388	1/2	131,350	1/2	116,312	1/2	101,269		
3/4	3/4	3/4	206,094	3/4	191,144	3/4	176,152	3/4	161,114	3/4	146,075	3/4	131,037	3/4	115,998	3/4	100,955		
3	3	3	205,785	3	190,831	3	175,839	3	160,800	3	145,762	3	130,723	3	115,685	3	100,642		
1/4	1/4	1/4	205,476	1/4	190,519	1/4	175,525	1/4	160,487	1/4	145,448	1/4	130,410	1/4	115,372	1/4	100,329		
1/2	1/2	1/2	205,166	1/2	190,207	1/2	175,212	1/2	160,174	1/2	145,135	1/2	130,097	1/2	115,058	1/2	100,015		
3/4	3/4	3/4	204,857	3/4	189,895	3/4	174,899	3/4	159,860	3/4	144,822	3/4	129,783	3/4	114,745	3/4	99,702		
4	4	4	204,548	4	189,582	4	174,585	4	159,547	4	144,509	4	129,470	4	114,432	4	99,388		
1/4	1/4	1/4	204,239	1/4	189,270	1/4	174,272	1/4	159,234	1/4	144,195	1/4	129,157	1/4	114,118	1/4	99,075		
1/2	1/2	1/2	203,930	1/2	188,958	1/2	173,959	1/2	158,920	1/2	143,882	1/2	128,844	1/2	113,805	1/2	98,761		
3/4	3/4	3/4	203,621	3/4	188,646	3/4	173,646	3/4	158,607	3/4	143,569	3/4	128,530	3/4	113,492	3/4	98,448		
5	5	5	203,311	5	188,333	5	173,332	5	158,294	5	143,255	5	128,217	5	113,179	5	98,134		
1/4	1/4	1/4	203,002	1/4	188,021	1/4	173,019	1/4	157,981	1/4	142,942	1/4	127,904	1/4	112,865	1/4	97,821		
1/2	1/2	1/2	202,693	1/2	187,709	1/2	172,706	1/2	157,667	1/2	142,629	1/2	127,590	1/2	112,552	1/2	97,507		
3/4	3/4	3/4	202,382	3/4	187,397	3/4	172,392	3/4	157,354	3/4	142,315	3/4	127,277	3/4	112,239	3/4	97,194		
6	6	6	202,070	6	187,084	6	172,079	6	157,041	6	142,002	6	126,964	6	111,925	6	96,880		
1/4	1/4	1/4	201,759	1/4	186,772	1/4	171,766	1/4	156,727	1/4	141,689	1/4	126,650	1/4	111,612	1/4	96,567		
1/2	1/2	1/2	201,447	1/2	186,460	1/2	171,452	1/2	156,414	1/2	141,376	1/2	126,337	1/2	111,299	1/2	96,254		
3/4	3/4	3/4	201,135	3/4	186,148	3/4	171,139	3/4	156,101	3/4	141,062	3/4	126,024	3/4	110,985	3/4	95,940		
7	7	7	200,823	7	185,836	7	170,826	7	155,787	7	140,749	7	125,711	7	110,672	7	95,627		
1/4	1/4	1/4	200,511	1/4	185,523	1/4	170,513	1/4	155,474	1/4	140,436	1/4	125,397	1/4	110,359	1/4	95,313		
1/2	1/2	1/2	213,933	1/2	200,198	1/2	185,211	1/2	170,199	1/2	155,161	1/2	140,122	1/2	125,084	1/2	110,046	1/2	95,000
3/4	3/4	3/4	213,767	3/4	199,886	3/4	184,899	3/4	169,886	3/4	154,848	3/4	139,809	3/4	124,771	3/4	109,732	3/4	94,686
8	8	8	213,601	8	199,574	8	184,587	8	169,573	8	154,534	8	139,496	8	124,457	8	109,419	8	94,373
1/4	1/4	1/4	213,436	1/4	199,262	1/4	184,274	1/4	169,259	1/4	154,221	1/4	139,182	1/4	124,144	1/4	109,105	1/4	94,059
1/2	1/2	1/2	213,270	1/2	198,949	1/2	183,962	1/2	168,946	1/2	153,908	1/2	138,869	1/2	123,831	1/2	108,792	1/2	93,746
3/4	3/4	3/4	213,052	3/4	198,637	3/4	183,650	3/4	168,633	3/4	153,594	3/4	138,556	3/4	123,517	3/4	108,478	3/4	93,432
9	9	9	212,834	9	198,325	9	183,338	9	168,319	9	153,281	9	138,243	9	123,204	9	108,165	9	93,119
1/4	1/4	1/4	212,616	1/4	198,013	1/4	183,025	1/4	168,006	1/4	152,968	1/4	137,929	1/4	122,891	1/4	107,852	1/4	92,806
1/2	1/2	1/2	212,399	1/2	197,700	1/2	182,713	1/2	167,693	1/2	152,654	1/2	137,616	1/2	122,578	1/2	107,538	1/2	92,492
3/4	3/4	3/4	212,129	3/4	197,388	3/4	182,401	3/4	167,380	3/4	152,341	3/4	137,303	3/4	122,264	3/4	107,225	3/4	92,179
10	10	10	211,858	10	197,076	10	182,089	10	167,066	10	152,028	10	136,989	10	121,951	10	106,911	10	91,865
1/4	1/4	1/4	211,588	1/4	196,764	1/4	181,776	1/4	166,753	1/4	151,714	1/4	136,676	1/4	121,638	1/4	106,598	1/4	91,552
1/2	1/2	1/2	211,318	1/2	196,452	1/2	181,464	1/2	166,440	1/2	151,401	1/2	136,363	1/2	121,324	1/2	106,284	1/2	91,238
3/4	3/4	3/4	211,017	3/4	196,139	3/4	181,152	3/4	166,126	3/4	151,088	3/4	136,049	3/4	121,011	3/4	105,971	3/4	90,925
11	11	11	210,715	11	195,827	11	180,840	11	165,813	11	150,775	11	135,736	11	120,698	11	105,657	11	90,611
1/4	1/4	1/4	210,413	1/4	195,515	1/4	180,527	1/4	165,500	1/4	150,461	1/4	135,423	1/4	120,384	1/4	105,344	1/4	90,298
1/2	1/2	1/2	210,112	1/2	195,203	1/2	180,215	1/2	165,186	1/2	150,148	1/2	135,110	1/2	120,071	1/2	105,030	1/2	89,984
3/4	3/4	3/4	209,803	3/4	194,890	3/4	179,903	3/4	164,873	3/4	149,835	3/4	134,796	3/4	119,758	3/4	104,717	3/4	89,671

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
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BARGE "HSM 4104"

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	89,357	0	74,312	0	59,266	0	44,532	0	29,779	0	14,735	0		0					
1/4	89,044	1/4	73,998	1/4	58,952	1/4	44,230	1/4	29,465	1/4	14,422	1/4		1/4					1/4
1/2	88,731	1/2	73,685	1/2	58,639	1/2	43,927	1/2	29,152	1/2	14,108	1/2		1/2					1/2
3/4	88,417	3/4	73,371	3/4	58,325	3/4	43,625	3/4	28,839	3/4	13,795	3/4		3/4					3/4
1	88,104	1	73,058	1	58,012	1	43,323	1	28,526	1	13,481	1		1					1
1/4	87,790	1/4	72,744	1/4	57,698	1/4	43,020	1/4	28,212	1/4	13,168	1/4		1/4					1/4
1/2	87,477	1/2	72,431	1/2	57,385	1/2	42,718	1/2	27,899	1/2	12,855	1/2		1/2					1/2
3/4	87,163	3/4	72,117	3/4	57,071	3/4	42,416	3/4	27,586	3/4	12,541	3/4		3/4					3/4
2	86,850	2	71,804	2	56,758	2	42,113	2	27,273	2	12,228	2		2					2
1/4	86,536	1/4	71,490	1/4	56,444	1/4	41,811	1/4	26,959	1/4	11,914	1/4		1/4					1/4
1/2	86,223	1/2	71,177	1/2	56,131	1/2	41,508	1/2	26,646	1/2	11,601	1/2		1/2					1/2
3/4	85,909	3/4	70,863	3/4	55,818	3/4	41,206	3/4	26,333	3/4	11,287	3/4		3/4					3/4
3	85,596	3	70,550	3	55,504	3	40,904	3	26,019	3	10,974	3		3					3
1/4	85,283	1/4	70,237	1/4	55,191	1/4	40,601	1/4	25,706	1/4	10,660	1/4		1/4					1/4
1/2	84,969	1/2	69,923	1/2	54,877	1/2	40,299	1/2	25,392	1/2	10,347	1/2		1/2					1/2
3/4	84,656	3/4	69,610	3/4	54,564	3/4	39,997	3/4	25,079	3/4	10,034	3/4		3/4					3/4
4	84,342	4	69,296	4	54,250	4	39,694	4	24,766	4	9,720	4		4					4
1/4	84,029	1/4	68,983	1/4	53,937	1/4	39,392	1/4	24,452	1/4	9,407	1/4		1/4					1/4
1/2	83,715	1/2	68,669	1/2	53,623	1/2	39,090	1/2	24,139	1/2	9,093	1/2		1/2					1/2
3/4	83,402	3/4	68,356	3/4	53,317	3/4	38,786	3/4	23,825	3/4	8,780	3/4		3/4					3/4
5	83,088	5	68,042	5	53,012	5	38,483	5	23,512	5	8,466	5		5					5
1/4	82,775	1/4	67,729	1/4	52,706	1/4	38,180	1/4	23,198	1/4	8,153	1/4		1/4					1/4
1/2	82,461	1/2	67,415	1/2	52,400	1/2	37,877	1/2	22,885	1/2	7,839	1/2		1/2					1/2
3/4	82,148	3/4	67,102	3/4	52,097	3/4	37,574	3/4	22,571	3/4	7,526	3/4		3/4					3/4
6	81,835	6	66,789	6	51,793	6	37,271	6	22,258	6	7,212	6		6					6
1/4	81,521	1/4	66,475	1/4	51,490	1/4	36,967	1/4	21,945	1/4	6,899	1/4		1/4					1/4
1/2	81,208	1/2	66,162	1/2	51,187	1/2	36,664	1/2	21,631	1/2	6,586	1/2		1/2					1/2
3/4	80,894	3/4	65,848	3/4	50,884	3/4	36,353	3/4	21,318	3/4	6,272	3/4		3/4					3/4
7	80,581	7	65,535	7	50,581	7	36,042	7	21,004	7	5,959	7		7					7
1/4	80,267	1/4	65,221	1/4	50,278	1/4	35,731	1/4	20,691	1/4	5,645	1/4		1/4					1/4
1/2	79,954	1/2	64,908	1/2	49,976	1/2	35,421	1/2	20,377	1/2	5,332	1/2		1/2					1/2
3/4	79,640	3/4	64,594	3/4	49,673	3/4	35,107	3/4	20,064	3/4	5,019	3/4		3/4					3/4
8	79,327	8	64,281	8	49,371	8	34,794	8	19,750	8	4,706	8		8					8
1/4	79,013	1/4	63,967	1/4	49,068	1/4	34,480	1/4	19,437	1/4	4,393	1/4		1/4					1/4
1/2	78,700	1/2	63,654	1/2	48,765	1/2	34,167	1/2	19,124	1/2	4,080	1/2		1/2					1/2
3/4	78,386	3/4	63,341	3/4	48,463	3/4	33,853	3/4	18,810	3/4	3,767	3/4		3/4					3/4
9	78,073	9	63,027	9	48,160	9	33,540	9	18,497	9	3,455	9		9					9
1/4	77,760	1/4	62,714	1/4	47,858	1/4	33,226	1/4	18,183	1/4	3,143	1/4		1/4					1/4
1/2	77,446	1/2	62,400	1/2	47,556	1/2	32,913	1/2	17,870	1/2	2,831	1/2		1/2					1/2
3/4	77,133	3/4	62,087	3/4	47,253	3/4	32,599	3/4	17,556	3/4	2,547	3/4		3/4					3/4
10	76,819	10	61,773	10	46,951	10	32,286	10	17,243	10	2,264	10		10					10
1/4	76,506	1/4	61,460	1/4	46,649	1/4	31,973	1/4	16,929	1/4	1,980	1/4		1/4					1/4
1/2	76,192	1/2	61,146	1/2	46,346	1/2	31,659	1/2	16,616	1/2	1,696	1/2		1/2					1/2
3/4	75,879	3/4	60,833	3/4	46,044	3/4	31,346	3/4	16,302	3/4	1,481	3/4		3/4					3/4
11	75,565	11	60,519	11	45,741	11	31,032	11	15,989	11	1,265	11		11					11
1/4	75,252	1/4	60,206	1/4	45,439	1/4	30,719	1/4	15,676	1/4	1,050	1/4		1/4					1/4
1/2	74,938	1/2	59,892	1/2	45,137	1/2	30,405	1/2	15,362	1/2	834	1/2		1/2					1/2
3/4	74,625	3/4	59,579	3/4	44,834	3/4	30,092	3/4	15,049	3/4		3/4		3/4					3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/24/2024 CL
CALCULATED: 10/24/2024 CL
PRINTED: 10/25/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2024

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 4104"

2 STBD 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	210,476	0	195,556	0	180,561	0	165,524	0	150,478	0	135,432	0	120,387	0	105,338	0	105,338
1/4	1/4	1/4	210,167	1/4	195,243	1/4	180,249	1/4	165,210	1/4	150,165	1/4	135,119	1/4	120,073	1/4	105,025	1/4	105,025
1/2	1/2	1/2	209,858	1/2	194,931	1/2	179,936	1/2	164,897	1/2	149,851	1/2	134,805	1/2	119,760	1/2	104,711	1/2	104,711
3/4	3/4	3/4	209,549	3/4	194,618	3/4	179,624	3/4	164,583	3/4	149,538	3/4	134,492	3/4	119,446	3/4	104,398	3/4	104,398
1	1	1	209,240	1	194,306	1	179,311	1	164,270	1	149,224	1	134,179	1	119,133	1	104,084	1	104,084
1/4	1/4	1/4	208,931	1/4	193,994	1/4	178,999	1/4	163,956	1/4	148,911	1/4	133,865	1/4	118,819	1/4	103,770	1/4	103,770
1/2	1/2	1/2	208,621	1/2	193,681	1/2	178,687	1/2	163,643	1/2	148,597	1/2	133,552	1/2	118,506	1/2	103,457	1/2	103,457
3/4	3/4	3/4	208,312	3/4	193,369	3/4	178,374	3/4	163,330	3/4	148,284	3/4	133,238	3/4	118,192	3/4	103,143	3/4	103,143
2	2	2	208,003	2	193,056	2	178,061	2	163,016	2	147,970	2	132,925	2	117,879	2	102,830	2	102,830
1/4	1/4	1/4	207,693	1/4	192,744	1/4	177,748	1/4	162,703	1/4	147,657	1/4	132,611	1/4	117,566	1/4	102,516	1/4	102,516
1/2	1/2	1/2	207,384	1/2	192,432	1/2	177,435	1/2	162,389	1/2	147,344	1/2	132,298	1/2	117,252	1/2	102,202	1/2	102,202
3/4	3/4	3/4	207,074	3/4	192,119	3/4	177,121	3/4	162,076	3/4	147,030	3/4	131,984	3/4	116,939	3/4	101,889	3/4	101,889
3	3	3	206,765	3	191,807	3	176,808	3	161,762	3	146,717	3	131,671	3	116,625	3	101,575	3	101,575
1/4	1/4	1/4	206,455	1/4	191,494	1/4	176,495	1/4	161,449	1/4	146,403	1/4	131,357	1/4	116,312	1/4	101,261	1/4	101,261
1/2	1/2	1/2	206,146	1/2	191,182	1/2	176,181	1/2	161,135	1/2	146,090	1/2	131,044	1/2	115,998	1/2	100,948	1/2	100,948
3/4	3/4	3/4	205,837	3/4	190,870	3/4	175,868	3/4	160,822	3/4	145,776	3/4	130,731	3/4	115,685	3/4	100,634	3/4	100,634
4	4	4	205,527	4	190,557	4	175,554	4	160,509	4	145,463	4	130,417	4	115,371	4	100,321	4	100,321
1/4	1/4	1/4	205,218	1/4	190,245	1/4	175,241	1/4	160,195	1/4	145,149	1/4	130,104	1/4	115,058	1/4	100,007	1/4	100,007
1/2	1/2	1/2	204,909	1/2	189,933	1/2	174,927	1/2	159,882	1/2	144,836	1/2	129,790	1/2	114,744	1/2	99,693	1/2	99,693
3/4	3/4	3/4	204,599	3/4	189,620	3/4	174,614	3/4	159,568	3/4	144,522	3/4	129,477	3/4	114,431	3/4	99,380	3/4	99,380
5	5	5	204,290	5	189,308	5	174,300	5	159,255	5	144,209	5	129,163	5	114,118	5	99,066	5	99,066
1/4	1/4	1/4	203,981	1/4	188,995	1/4	173,987	1/4	158,941	1/4	143,896	1/4	128,850	1/4	113,804	1/4	98,753	1/4	98,753
1/2	1/2	1/2	203,671	1/2	188,683	1/2	173,674	1/2	158,628	1/2	143,582	1/2	128,536	1/2	113,491	1/2	98,439	1/2	98,439
3/4	3/4	3/4	203,362	3/4	188,371	3/4	173,360	3/4	158,314	3/4	143,269	3/4	128,223	3/4	113,177	3/4	98,125	3/4	98,125
6	6	6	203,050	6	188,058	6	173,047	6	158,001	6	142,955	6	127,909	6	112,864	6	97,812	6	97,812
1/4	1/4	1/4	202,739	1/4	187,746	1/4	172,733	1/4	157,687	1/4	142,642	1/4	127,596	1/4	112,550	1/4	97,498	1/4	97,498
1/2	1/2	1/2	202,427	1/2	187,433	1/2	172,420	1/2	157,374	1/2	142,328	1/2	127,283	1/2	112,237	1/2	97,185	1/2	97,185
3/4	3/4	3/4	202,116	3/4	187,121	3/4	172,106	3/4	157,061	3/4	142,015	3/4	126,969	3/4	111,923	3/4	96,871	3/4	96,871
7	7	7	201,803	7	186,809	7	171,793	7	156,747	7	141,701	7	126,656	7	111,610	7	96,557	7	96,557
1/4	1/4	1/4	201,491	1/4	186,496	1/4	171,479	1/4	156,434	1/4	141,388	1/4	126,342	1/4	111,297	1/4	96,244	1/4	96,244
1/2	1/2	1/2	201,178	1/2	186,184	1/2	171,166	1/2	156,120	1/2	141,074	1/2	126,029	1/2	110,983	1/2	95,930	1/2	95,930
3/4	3/4	3/4	214,607	3/4	200,866	3/4	185,872	3/4	170,852	3/4	155,807	3/4	140,761	3/4	125,715	3/4	110,670	3/4	95,617
8	8	8	214,441	8	200,554	8	185,559	8	170,539	8	155,493	8	140,448	8	125,402	8	110,356	8	95,303
1/4	1/4	1/4	214,275	1/4	200,241	1/4	185,247	1/4	170,226	1/4	155,180	1/4	140,134	1/4	125,088	1/4	110,042	1/4	94,989
1/2	1/2	1/2	214,110	1/2	199,929	1/2	184,934	1/2	169,912	1/2	154,866	1/2	139,821	1/2	124,775	1/2	109,729	1/2	94,676
3/4	3/4	3/4	213,944	3/4	199,617	3/4	184,622	3/4	169,599	3/4	154,553	3/4	139,507	3/4	124,462	3/4	109,415	3/4	94,362
9	9	9	213,726	9	199,304	9	184,310	9	169,285	9	154,239	9	139,194	9	124,148	9	109,102	9	94,048
1/4	1/4	1/4	213,508	1/4	198,992	1/4	183,997	1/4	168,972	1/4	153,926	1/4	138,880	1/4	123,835	1/4	108,788	1/4	93,735
1/2	1/2	1/2	213,290	1/2	198,679	1/2	183,685	1/2	168,658	1/2	153,613	1/2	138,567	1/2	123,521	1/2	108,475	1/2	93,421
3/4	3/4	3/4	213,072	3/4	198,367	3/4	183,372	3/4	168,345	3/4	153,299	3/4	138,253	3/4	123,208	3/4	108,161	3/4	93,108
10	10	10	212,802	10	198,055	10	183,060	10	168,031	10	152,986	10	137,940	10	122,894	10	107,847	10	92,794
1/4	1/4	1/4	212,532	1/4	197,742	1/4	182,748	1/4	167,718	1/4	152,672	1/4	137,627	1/4	122,581	1/4	107,534	1/4	92,480
1/2	1/2	1/2	212,262	1/2	197,430	1/2	182,435	1/2	167,404	1/2	152,359	1/2	137,313	1/2	122,267	1/2	107,220	1/2	92,167
3/4	3/4	3/4	211,991	3/4	197,117	3/4	182,123	3/4	167,091	3/4	152,045	3/4	137,000	3/4	121,954	3/4	106,906	3/4	91,853
11	11	11	211,690	11	196,805	11	181,810	11	166,778	11	151,732	11	136,686	11	121,640	11	106,593	11	91,540
1/4	1/4	1/4	211,388	1/4	196,493	1/4	181,498	1/4	166,464	1/4	151,418	1/4	136,373	1/4	121,327	1/4	106,279	1/4	91,226
1/2	1/2	1/2	211,086	1/2	196,180	1/2	181,186	1/2	166,151	1/2	151,105	1/2	136,059	1/2	121,014	1/2	105,966	1/2	90,912
3/4	3/4	3/4	210,784	3/4	195,868	3/4	180,873	3/4	165,837	3/4	150,791	3/4	135,746	3/4	120,700	3/4	105,652	3/4	90,599

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 4104"

2 STBD 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	90,285	0	75,232	0	60,179	0	45,142	0	30,108	0	15,057	0	0	0	0	0	0	0	0
1/4	89,972	1/4	74,918	1/4	59,865	1/4	44,829	1/4	29,794	1/4	14,743	1/4	29,794	1/4	14,743	1/4	29,794	1/4	14,743
1/2	89,658	1/2	74,605	1/2	59,551	1/2	44,517	1/2	29,481	1/2	14,429	1/2	29,481	1/2	14,429	1/2	29,481	1/2	14,429
3/4	89,344	3/4	74,291	3/4	59,238	3/4	44,204	3/4	29,167	3/4	14,116	3/4	29,167	3/4	14,116	3/4	29,167	3/4	14,116
1	89,031	1	73,977	1	58,924	1	43,891	1	28,854	1	13,802	1	28,854	1	13,802	1	28,854	1	13,802
1/4	88,717	1/4	73,664	1/4	58,611	1/4	43,579	1/4	28,540	1/4	13,489	1/4	28,540	1/4	13,489	1/4	28,540	1/4	13,489
1/2	88,403	1/2	73,350	1/2	58,297	1/2	43,266	1/2	28,227	1/2	13,175	1/2	28,227	1/2	13,175	1/2	28,227	1/2	13,175
3/4	88,090	3/4	73,037	3/4	57,983	3/4	42,953	3/4	27,914	3/4	12,861	3/4	27,914	3/4	12,861	3/4	27,914	3/4	12,861
2	87,776	2	72,723	2	57,670	2	42,641	2	27,600	2	12,548	2	27,600	2	12,548	2	27,600	2	12,548
1/4	87,463	1/4	72,409	1/4	57,356	1/4	42,328	1/4	27,287	1/4	12,234	1/4	27,287	1/4	12,234	1/4	27,287	1/4	12,234
1/2	87,149	1/2	72,096	1/2	57,043	1/2	42,015	1/2	26,973	1/2	11,920	1/2	26,973	1/2	11,920	1/2	26,973	1/2	11,920
3/4	86,835	3/4	71,782	3/4	56,729	3/4	41,703	3/4	26,660	3/4	11,607	3/4	26,660	3/4	11,607	3/4	26,660	3/4	11,607
3	86,522	3	71,469	3	56,415	3	41,390	3	26,346	3	11,293	3	26,346	3	11,293	3	26,346	3	11,293
1/4	86,208	1/4	71,155	1/4	56,102	1/4	41,077	1/4	26,033	1/4	10,980	1/4	26,033	1/4	10,980	1/4	26,033	1/4	10,980
1/2	85,895	1/2	70,841	1/2	55,788	1/2	40,765	1/2	25,719	1/2	10,666	1/2	25,719	1/2	10,666	1/2	25,719	1/2	10,666
3/4	85,581	3/4	70,528	3/4	55,474	3/4	40,452	3/4	25,406	3/4	10,352	3/4	25,406	3/4	10,352	3/4	25,406	3/4	10,352
4	85,267	4	70,214	4	55,161	4	40,139	4	25,092	4	10,039	4	25,092	4	10,039	4	25,092	4	10,039
1/4	84,954	1/4	69,901	1/4	54,847	1/4	39,827	1/4	24,778	1/4	9,725	1/4	24,778	1/4	9,725	1/4	24,778	1/4	9,725
1/2	84,640	1/2	69,587	1/2	54,534	1/2	39,514	1/2	24,465	1/2	9,412	1/2	24,465	1/2	9,412	1/2	24,465	1/2	9,412
3/4	84,327	3/4	69,273	3/4	54,220	3/4	39,201	3/4	24,151	3/4	9,098	3/4	24,151	3/4	9,098	3/4	24,151	3/4	9,098
5	84,013	5	68,960	5	53,906	5	38,888	5	23,838	5	8,784	5	23,838	5	8,784	5	23,838	5	8,784
1/4	83,699	1/4	68,646	1/4	53,593	1/4	38,574	1/4	23,524	1/4	8,471	1/4	23,524	1/4	8,471	1/4	23,524	1/4	8,471
1/2	83,386	1/2	68,332	1/2	53,279	1/2	38,261	1/2	23,210	1/2	8,157	1/2	23,210	1/2	8,157	1/2	23,210	1/2	8,157
3/4	83,072	3/4	68,019	3/4	52,966	3/4	37,948	3/4	22,897	3/4	7,844	3/4	22,897	3/4	7,844	3/4	22,897	3/4	7,844
6	82,759	6	67,705	6	52,652	6	37,634	6	22,583	6	7,530	6	22,583	6	7,530	6	22,583	6	7,530
1/4	82,445	1/4	67,392	1/4	52,338	1/4	37,320	1/4	22,270	1/4	7,216	1/4	22,270	1/4	7,216	1/4	22,270	1/4	7,216
1/2	82,131	1/2	67,078	1/2	52,025	1/2	37,007	1/2	21,956	1/2	6,903	1/2	21,956	1/2	6,903	1/2	21,956	1/2	6,903
3/4	81,818	3/4	66,764	3/4	51,711	3/4	36,693	3/4	21,642	3/4	6,589	3/4	21,642	3/4	6,589	3/4	21,642	3/4	6,589
7	81,504	7	66,451	7	51,398	7	36,380	7	21,329	7	6,276	7	21,329	7	6,276	7	21,329	7	6,276
1/4	81,190	1/4	66,137	1/4	51,085	1/4	36,066	1/4	21,015	1/4	5,962	1/4	21,015	1/4	5,962	1/4	21,015	1/4	5,962
1/2	80,877	1/2	65,824	1/2	50,772	1/2	35,752	1/2	20,702	1/2	5,648	1/2	20,702	1/2	5,648	1/2	20,702	1/2	5,648
3/4	80,563	3/4	65,510	3/4	50,459	3/4	35,439	3/4	20,388	3/4	5,335	3/4	20,388	3/4	5,335	3/4	20,388	3/4	5,335
8	80,250	8	65,196	8	50,146	8	35,125	8	20,074	8	5,022	8	20,074	8	5,022	8	20,074	8	5,022
1/4	79,936	1/4	64,883	1/4	49,833	1/4	34,812	1/4	19,761	1/4	4,708	1/4	19,761	1/4	4,708	1/4	19,761	1/4	4,708
1/2	79,622	1/2	64,569	1/2	49,520	1/2	34,498	1/2	19,447	1/2	4,395	1/2	19,447	1/2	4,395	1/2	19,447	1/2	4,395
3/4	79,309	3/4	64,256	3/4	49,207	3/4	34,184	3/4	19,133	3/4	4,082	3/4	19,133	3/4	4,082	3/4	19,133	3/4	4,082
9	78,995	9	63,942	9	48,894	9	33,871	9	18,820	9	3,769	9	18,820	9	3,769	9	18,820	9	3,769
1/4	78,682	1/4	63,628	1/4	48,582	1/4	33,557	1/4	18,506	1/4	3,457	1/4	18,506	1/4	3,457	1/4	18,506	1/4	3,457
1/2	78,368	1/2	63,315	1/2	48,269	1/2	33,244	1/2	18,193	1/2	3,145	1/2	18,193	1/2	3,145	1/2	18,193	1/2	3,145
3/4	78,054	3/4	63,001	3/4	47,956	3/4	32,930	3/4	17,879	3/4	2,832	3/4	17,879	3/4	2,832	3/4	17,879	3/4	2,832
10	77,741	10	62,687	10	47,644	10	32,616	10	17,565	10	2,549	10	17,565	10	2,549	10	17,565	10	2,549
1/4	77,427	1/4	62,374	1/4	47,331	1/4	32,303	1/4	17,252	1/4	2,265	1/4	17,252	1/4	2,265	1/4	17,252	1/4	2,265
1/2	77,114	1/2	62,060	1/2	47,018	1/2	31,989	1/2	16,938	1/2	1,981	1/2	16,938	1/2	1,981	1/2	16,938	1/2	1,981
3/4	76,800	3/4	61,747	3/4	46,706	3/4	31,676	3/4	16,625	3/4	1,697	3/4	16,625	3/4	1,697	3/4	16,625	3/4	1,697
11	76,486	11	61,433	11	46,393	11	31,362	11	16,311	11	1,482	11	16,311	11	1,482	11	16,311	11	1,482
1/4	76,173	1/4	61,119	1/4	46,080	1/4	31,048	1/4	15,997	1/4	1,266	1/4	15,997	1/4	1,266	1/4	15,997	1/4	1,266
1/2	75,859	1/2	60,806	1/2	45,768	1/2	30,735	1/2	15,684	1/2	1,051	1/2	15,684	1/2	1,051	1/2	15,684	1/2	1,051
3/4	75,545	3/4	60,492	3/4	45,455	3/4	30,421	3/4	15,370	3/4	835	3/4	15,370	3/4	835	3/4	15,370	3/4	835

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/24/2024 CL
CALCULATED: 10/24/2024 CL
PRINTED: 10/25/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2024

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



BARGE "HSM 4104"

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	193,181	0	181,892	0	170,696	0	159,471	0	148,243	0	134,111	0	119,145	0	104,175		
1/4	1/4	1/4	192,942	1/4	181,658	1/4	170,463	1/4	159,237	1/4	148,010	1/4	133,799	1/4	118,833	1/4	103,863		
1/2	1/2	1/2	192,704	1/2	181,425	1/2	170,230	1/2	159,003	1/2	147,777	1/2	133,487	1/2	118,522	1/2	103,551		
3/4	3/4	3/4	192,466	3/4	181,192	3/4	169,997	3/4	158,769	3/4	147,544	3/4	133,175	3/4	118,210	3/4	103,239		
1	1	1	192,227	1	180,959	1	169,763	1	158,535	1	147,311	1	132,864	1	117,898	1	102,926		
1/4	1/4	1/4	191,988	1/4	180,726	1/4	169,530	1/4	158,301	1/4	147,078	1/4	132,552	1/4	117,586	1/4	102,614		
1/2	1/2	1/2	191,748	1/2	180,492	1/2	169,297	1/2	158,067	1/2	146,845	1/2	132,240	1/2	117,274	1/2	102,302		
3/4	3/4	3/4	191,509	3/4	180,259	3/4	169,064	3/4	157,833	3/4	146,612	3/4	131,928	3/4	116,963	3/4	101,990		
2	2	2	191,270	2	180,026	2	168,830	2	157,599	2	146,325	2	131,617	2	116,651	2	101,678		
1/4	1/4	1/4	191,031	1/4	179,793	1/4	168,596	1/4	157,365	1/4	146,038	1/4	131,305	1/4	116,339	1/4	101,365		
1/2	1/2	1/2	190,791	1/2	179,559	1/2	168,362	1/2	157,131	1/2	145,752	1/2	130,993	1/2	116,027	1/2	101,053		
3/4	3/4	3/4	190,552	3/4	179,326	3/4	168,129	3/4	156,897	3/4	145,465	3/4	130,681	3/4	115,716	3/4	100,741		
3	3	3	190,313	3	179,093	3	167,895	3	156,663	3	145,160	3	130,369	3	115,404	3	100,429		
1/4	1/4	1/4	190,073	1/4	178,860	1/4	167,661	1/4	156,429	1/4	144,855	1/4	130,058	1/4	115,092	1/4	100,117		
1/2	1/2	1/2	189,834	1/2	178,626	1/2	167,427	1/2	156,195	1/2	144,550	1/2	129,746	1/2	114,780	1/2	99,804		
3/4	3/4	3/4	189,595	3/4	178,393	3/4	167,193	3/4	155,961	3/4	144,245	3/4	129,434	3/4	114,468	3/4	99,492		
4	4	4	189,360	4	178,160	4	166,959	4	155,727	4	143,940	4	129,122	4	114,157	4	99,180		
1/4	1/4	1/4	189,125	1/4	177,927	1/4	166,725	1/4	155,493	1/4	143,636	1/4	128,810	1/4	113,845	1/4	98,868		
1/2	1/2	1/2	188,890	1/2	177,693	1/2	166,491	1/2	155,259	1/2	143,331	1/2	128,499	1/2	113,533	1/2	98,556		
3/4	3/4	3/4	188,656	3/4	177,460	3/4	166,257	3/4	155,025	3/4	143,026	3/4	128,187	3/4	113,221	3/4	98,243		
5	5	5	188,422	5	177,227	5	166,023	5	154,791	5	142,720	5	127,875	5	112,909	5	97,931		
1/4	1/4	1/4	188,189	1/4	176,994	1/4	165,789	1/4	154,557	1/4	142,415	1/4	127,563	1/4	112,598	1/4	97,619		
1/2	1/2	1/2	187,956	1/2	176,761	1/2	165,555	1/2	154,323	1/2	142,109	1/2	127,252	1/2	112,286	1/2	97,307		
3/4	3/4	3/4	187,723	3/4	176,527	3/4	165,321	3/4	154,089	3/4	141,804	3/4	126,940	3/4	111,974	3/4	96,995		
6	6	6	187,489	6	176,294	6	165,087	6	153,855	6	141,498	6	126,628	6	111,662	6	96,683		
1/4	1/4	1/4	187,256	1/4	176,061	1/4	164,853	1/4	153,621	1/4	141,192	1/4	126,316	1/4	111,351	1/4	96,372		
1/2	1/2	1/2	187,023	1/2	175,828	1/2	164,619	1/2	153,387	1/2	140,886	1/2	126,004	1/2	111,039	1/2	96,060		
3/4	3/4	3/4	186,790	3/4	175,594	3/4	164,385	3/4	153,153	3/4	140,580	3/4	125,693	3/4	110,727	3/4	95,748		
7	7	7	186,556	7	175,361	7	164,151	7	152,919	7	140,275	7	125,381	7	110,415	7	95,436		
1/4	1/4	1/4	186,323	1/4	175,128	1/4	163,917	1/4	152,685	1/4	139,969	1/4	125,069	1/4	110,103	1/4	95,124		
1/2	1/2	1/2	186,090	1/2	174,895	1/2	163,683	1/2	152,451	1/2	139,663	1/2	124,757	1/2	109,792	1/2	94,812		
3/4	3/4	196,096	185,857	3/4	174,661	3/4	163,449	3/4	152,217	3/4	139,357	3/4	124,445	3/4	109,480	3/4	94,500		
8	8	196,001	185,623	8	174,428	8	163,215	8	151,983	8	139,051	8	124,134	8	109,168	8	94,188		
1/4	1/4	195,907	185,390	1/4	174,195	1/4	162,981	1/4	151,749	1/4	138,746	1/4	123,822	1/4	108,856	1/4	93,876		
1/2	1/2	195,813	185,157	1/2	173,962	1/2	162,747	1/2	151,515	1/2	138,440	1/2	123,510	1/2	108,544	1/2	93,564		
3/4	3/4	195,719	184,924	3/4	173,728	3/4	162,513	3/4	151,281	3/4	138,134	3/4	123,198	3/4	108,232	3/4	93,252		
9	9	195,572	184,691	9	173,495	9	162,279	9	151,047	9	137,828	9	122,887	9	107,920	9	92,940		
1/4	1/4	195,426	184,457	1/4	173,262	1/4	162,045	1/4	150,813	1/4	137,522	1/4	122,575	1/4	107,609	1/4	92,628		
1/2	1/2	195,279	184,224	1/2	173,029	1/2	161,811	1/2	150,579	1/2	137,217	1/2	122,263	1/2	107,297	1/2	92,316		
3/4	3/4	195,133	183,991	3/4	172,796	3/4	161,577	3/4	150,345	3/4	136,911	3/4	121,951	3/4	106,985	3/4	92,004		
10	10	194,934	183,758	10	172,562	10	161,343	10	150,111	10	136,601	10	121,639	10	106,673	10	91,692		
1/4	1/4	194,736	183,524	1/4	172,329	1/4	161,109	1/4	149,877	1/4	136,290	1/4	121,328	1/4	106,361	1/4	91,380		
1/2	1/2	194,537	183,291	1/2	172,096	1/2	160,875	1/2	149,643	1/2	135,980	1/2	121,016	1/2	106,048	1/2	91,068		
3/4	3/4	194,339	183,058	3/4	171,863	3/4	160,641	3/4	149,409	3/4	135,670	3/4	120,704	3/4	105,736	3/4	90,756		
11	11	194,109	182,825	11	171,629	11	160,407	11	149,176	11	135,358	11	120,392	11	105,424	11	90,444		
1/4	1/4	193,879	182,591	1/4	171,396	1/4	160,173	1/4	148,942	1/4	135,046	1/4	120,081	1/4	105,112	1/4	90,133		
1/2	1/2	193,649	182,358	1/2	171,163	1/2	159,939	1/2	148,709	1/2	134,734	1/2	119,769	1/2	104,800	1/2	89,821		
3/4	3/4	193,419	182,125	3/4	170,930	3/4	159,705	3/4	148,476	3/4	134,423	3/4	119,457	3/4	104,487	3/4	89,509		

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 4104"

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	89,197	0	74,233	0	59,323	0	44,779	0	29,999	0	15,010	0	0	0	0	0	0	0	0
1/4	88,885	1/4	73,923	1/4	59,016	1/4	44,475	1/4	29,687	1/4	14,697	1/4	0	0	0	0	0	0	0
1/2	88,573	1/2	73,612	1/2	58,709	1/2	44,171	1/2	29,375	1/2	14,385	1/2	0	0	0	0	0	0	0
3/4	88,261	3/4	73,302	3/4	58,402	3/4	43,867	3/4	29,063	3/4	14,073	3/4	0	0	0	0	0	0	0
1	87,949	1	72,992	1	58,096	1	43,562	1	28,751	1	13,760	1	0	0	0	0	0	0	0
1/4	87,636	1/4	72,681	1/4	57,790	1/4	43,257	1/4	28,439	1/4	13,448	1/4	0	0	0	0	0	0	0
1/2	87,324	1/2	72,371	1/2	57,485	1/2	42,952	1/2	28,126	1/2	13,136	1/2	0	0	0	0	0	0	0
3/4	87,012	3/4	72,061	3/4	57,179	3/4	42,647	3/4	27,814	3/4	12,823	3/4	0	0	0	0	0	0	0
2	86,700	2	71,750	2	56,876	2	42,342	2	27,502	2	12,511	2	0	0	0	0	0	0	0
1/4	86,388	1/4	71,440	1/4	56,573	1/4	42,037	1/4	27,190	1/4	12,199	1/4	0	0	0	0	0	0	0
1/2	86,075	1/2	71,130	1/2	56,269	1/2	41,732	1/2	26,878	1/2	11,886	1/2	0	0	0	0	0	0	0
3/4	85,763	3/4	70,820	3/4	55,966	3/4	41,427	3/4	26,566	3/4	11,574	3/4	0	0	0	0	0	0	0
3	85,451	3	70,509	3	55,664	3	41,122	3	26,253	3	11,261	3	0	0	0	0	0	0	0
1/4	85,139	1/4	70,199	1/4	55,361	1/4	40,817	1/4	25,941	1/4	10,949	1/4	0	0	0	0	0	0	0
1/2	84,826	1/2	69,889	1/2	55,059	1/2	40,512	1/2	25,629	1/2	10,636	1/2	0	0	0	0	0	0	0
3/4	84,514	3/4	69,578	3/4	54,756	3/4	40,207	3/4	25,316	3/4	10,323	3/4	0	0	0	0	0	0	0
4	84,202	4	69,268	4	54,454	4	39,902	4	25,004	4	10,010	4	0	0	0	0	0	0	0
1/4	83,889	1/4	68,958	1/4	54,151	1/4	39,597	1/4	24,692	1/4	9,698	1/4	0	0	0	0	0	0	0
1/2	83,577	1/2	68,647	1/2	53,849	1/2	39,292	1/2	24,379	1/2	9,385	1/2	0	0	0	0	0	0	0
3/4	83,265	3/4	68,337	3/4	53,546	3/4	38,987	3/4	24,067	3/4	9,072	3/4	0	0	0	0	0	0	0
5	82,953	5	68,027	5	53,244	5	38,682	5	23,755	5	8,759	5	0	0	0	0	0	0	0
1/4	82,640	1/4	67,717	1/4	52,942	1/4	38,377	1/4	23,442	1/4	8,447	1/4	0	0	0	0	0	0	0
1/2	82,328	1/2	67,406	1/2	52,639	1/2	38,072	1/2	23,130	1/2	8,134	1/2	0	0	0	0	0	0	0
3/4	82,016	3/4	67,096	3/4	52,337	3/4	37,767	3/4	22,818	3/4	7,821	3/4	0	0	0	0	0	0	0
6	81,704	6	66,786	6	52,034	6	37,462	6	22,505	6	7,509	6	0	0	0	0	0	0	0
1/4	81,391	1/4	66,475	1/4	51,732	1/4	37,157	1/4	22,193	1/4	7,196	1/4	0	0	0	0	0	0	0
1/2	81,079	1/2	66,165	1/2	51,429	1/2	36,852	1/2	21,881	1/2	6,884	1/2	0	0	0	0	0	0	0
3/4	80,767	3/4	65,855	3/4	51,127	3/4	36,547	3/4	21,568	3/4	6,571	3/4	0	0	0	0	0	0	0
7	80,455	7	65,545	7	50,824	7	36,237	7	21,256	7	6,259	7	0	0	0	0	0	0	0
1/4	80,142	1/4	65,234	1/4	50,522	1/4	35,927	1/4	20,944	1/4	5,946	1/4	0	0	0	0	0	0	0
1/2	79,830	1/2	64,924	1/2	50,219	1/2	35,618	1/2	20,632	1/2	5,634	1/2	0	0	0	0	0	0	0
3/4	79,518	3/4	64,614	3/4	49,917	3/4	35,308	3/4	20,319	3/4	5,321	3/4	0	0	0	0	0	0	0
8	79,206	8	64,303	8	49,615	8	34,996	8	20,007	8	5,009	8	0	0	0	0	0	0	0
1/4	78,893	1/4	63,993	1/4	49,312	1/4	34,684	1/4	19,695	1/4	4,696	1/4	0	0	0	0	0	0	0
1/2	78,581	1/2	63,683	1/2	49,010	1/2	34,372	1/2	19,382	1/2	4,384	1/2	0	0	0	0	0	0	0
3/4	78,269	3/4	63,372	3/4	48,707	3/4	34,060	3/4	19,070	3/4	4,071	3/4	0	0	0	0	0	0	0
9	77,958	9	63,061	9	48,405	9	33,747	9	18,758	9	3,760	9	0	0	0	0	0	0	0
1/4	77,647	1/4	62,749	1/4	48,102	1/4	33,435	1/4	18,445	1/4	3,448	1/4	0	0	0	0	0	0	0
1/2	77,336	1/2	62,438	1/2	47,800	1/2	33,123	1/2	18,133	1/2	3,137	1/2	0	0	0	0	0	0	0
3/4	77,026	3/4	62,126	3/4	47,497	3/4	32,810	3/4	17,821	3/4	2,825	3/4	0	0	0	0	0	0	0
10	76,715	10	61,814	10	47,196	10	32,498	10	17,508	10	2,512	10	0	0	0	0	0	0	0
1/4	76,405	1/4	61,502	1/4	46,894	1/4	32,186	1/4	17,196	1/4	2,259	1/4	0	0	0	0	0	0	0
1/2	76,095	1/2	61,190	1/2	46,592	1/2	31,873	1/2	16,884	1/2	1,976	1/2	0	0	0	0	0	0	0
3/4	75,784	3/4	60,878	3/4	46,290	3/4	31,561	3/4	16,571	3/4	1,693	3/4	0	0	0	0	0	0	0
11	75,474	11	60,566	11	45,988	11	31,249	11	16,259	11	1,478	11	0	0	0	0	0	0	0
1/4	75,164	1/4	60,255	1/4	45,687	1/4	30,936	1/4	15,947	1/4	1,263	1/4	0	0	0	0	0	0	0
1/2	74,853	1/2	59,943	1/2	45,385	1/2	30,624	1/2	15,634	1/2	1,048	1/2	0	0	0	0	0	0	0
3/4	74,543	3/4	59,631	3/4	45,083	3/4	30,312	3/4	15,322	3/4	833	3/4	0	0	0	0	0	0	0

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/24/2024 CL
CALCULATED: 10/24/2024 CL
PRINTED: 10/25/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2024

PRECISION MEASUREMENT
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BARGE "HSM 4104"

3 STBD 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	194,484	0	183,178	0	171,966	0	160,724	0	149,479	0	135,299	0	120,281	0	105,257		
1/4	1/4	1/4	194,246	1/4	182,945	1/4	171,733	1/4	160,490	1/4	149,246	1/4	134,987	1/4	119,968	1/4	104,944		
1/2	1/2	1/2	194,007	1/2	182,711	1/2	171,499	1/2	160,255	1/2	149,012	1/2	134,674	1/2	119,655	1/2	104,631		
3/4	3/4	3/4	193,768	3/4	182,478	3/4	171,266	3/4	160,021	3/4	148,779	3/4	134,361	3/4	119,342	3/4	104,317		
1	1	1	193,529	1	182,244	1	171,032	1	159,787	1	148,546	1	134,048	1	119,029	1	104,004		
1/4	1/4	1/4	193,289	1/4	182,010	1/4	170,798	1/4	159,552	1/4	148,312	1/4	133,735	1/4	118,716	1/4	103,691		
1/2	1/2	1/2	193,050	1/2	181,777	1/2	170,565	1/2	159,318	1/2	148,079	1/2	133,422	1/2	118,403	1/2	103,377		
3/4	3/4	3/4	192,810	3/4	181,543	3/4	170,331	3/4	159,083	3/4	147,845	3/4	133,109	3/4	118,090	3/4	103,064		
2	2	2	192,571	2	181,310	2	170,097	2	158,849	2	147,558	2	132,796	2	117,777	2	102,751		
1/4	1/4	1/4	192,331	1/4	181,076	1/4	169,863	1/4	158,615	1/4	147,270	1/4	132,483	1/4	117,464	1/4	102,438		
1/2	1/2	1/2	192,091	1/2	180,843	1/2	169,629	1/2	158,380	1/2	146,982	1/2	132,171	1/2	117,152	1/2	102,124		
3/4	3/4	3/4	191,852	3/4	180,609	3/4	169,395	3/4	158,146	3/4	146,694	3/4	131,858	3/4	116,839	3/4	101,811		
3	3	3	191,612	3	180,375	3	169,160	3	157,912	3	146,388	3	131,545	3	116,526	3	101,498		
1/4	1/4	1/4	191,372	1/4	180,142	1/4	168,926	1/4	157,677	1/4	146,082	1/4	131,232	1/4	116,213	1/4	101,184		
1/2	1/2	1/2	191,132	1/2	179,908	1/2	168,692	1/2	157,443	1/2	145,776	1/2	130,919	1/2	115,900	1/2	100,871		
3/4	3/4	3/4	190,893	3/4	179,675	3/4	168,457	3/4	157,209	3/4	145,470	3/4	130,606	3/4	115,587	3/4	100,558		
4	4	4	190,658	4	179,441	4	168,223	4	156,974	4	145,164	4	130,293	4	115,274	4	100,244		
1/4	1/4	1/4	190,423	1/4	179,207	1/4	167,989	1/4	156,740	1/4	144,859	1/4	129,980	1/4	114,961	1/4	99,931		
1/2	1/2	1/2	190,187	1/2	178,974	1/2	167,754	1/2	156,506	1/2	144,553	1/2	129,667	1/2	114,648	1/2	99,618		
3/4	3/4	3/4	189,952	3/4	178,740	3/4	167,520	3/4	156,271	3/4	144,247	3/4	129,354	3/4	114,336	3/4	99,304		
5	5	5	189,719	5	178,507	5	167,286	5	156,037	5	143,940	5	129,042	5	114,023	5	98,991		
1/4	1/4	1/4	189,485	1/4	178,273	1/4	167,051	1/4	155,803	1/4	143,633	1/4	128,729	1/4	113,710	1/4	98,678		
1/2	1/2	1/2	189,252	1/2	178,040	1/2	166,817	1/2	155,568	1/2	143,327	1/2	128,416	1/2	113,397	1/2	98,364		
3/4	3/4	3/4	189,018	3/4	177,806	3/4	166,583	3/4	155,334	3/4	143,020	3/4	128,103	3/4	113,084	3/4	98,051		
6	6	6	188,784	6	177,572	6	166,348	6	155,100	6	142,713	6	127,790	6	112,771	6	97,738		
1/4	1/4	1/4	188,551	1/4	177,339	1/4	166,114	1/4	154,865	1/4	142,406	1/4	127,477	1/4	112,458	1/4	97,425		
1/2	1/2	1/2	188,317	1/2	177,105	1/2	165,879	1/2	154,631	1/2	142,099	1/2	127,164	1/2	112,145	1/2	97,111		
3/4	3/4	3/4	188,084	3/4	176,872	3/4	165,645	3/4	154,397	3/4	141,792	3/4	126,851	3/4	111,832	3/4	96,798		
7	7	7	187,850	7	176,638	7	165,411	7	154,162	7	141,485	7	126,538	7	111,519	7	96,485		
1/4	1/4	1/4	187,616	1/4	176,404	1/4	165,176	1/4	153,928	1/4	141,179	1/4	126,226	1/4	111,207	1/4	96,171		
1/2	1/2	1/2	187,383	1/2	176,171	1/2	164,942	1/2	153,694	1/2	140,872	1/2	125,913	1/2	110,894	1/2	95,858		
3/4	3/4	3/4	197,404	3/4	187,149	3/4	175,937	3/4	164,708	3/4	153,459	3/4	140,565	3/4	125,600	3/4	110,581	3/4	95,545
8	8	8	197,309	8	186,916	8	175,704	8	164,473	8	153,225	8	140,258	8	125,287	8	110,268	8	95,231
1/4	1/4	1/4	197,215	1/4	186,682	1/4	175,470	1/4	164,239	1/4	152,990	1/4	139,951	1/4	124,974	1/4	109,955	1/4	94,918
1/2	1/2	1/2	197,120	1/2	186,449	1/2	175,237	1/2	164,005	1/2	152,756	1/2	139,644	1/2	124,661	1/2	109,642	1/2	94,605
3/4	3/4	3/4	197,026	3/4	186,215	3/4	175,003	3/4	163,770	3/4	152,522	3/4	139,337	3/4	124,348	3/4	109,329	3/4	94,291
9	9	9	196,879	9	185,981	9	174,769	9	163,536	9	152,287	9	139,030	9	124,035	9	109,016	9	93,978
1/4	1/4	1/4	196,733	1/4	185,748	1/4	174,536	1/4	163,302	1/4	152,053	1/4	138,723	1/4	123,722	1/4	108,703	1/4	93,665
1/2	1/2	1/2	196,586	1/2	185,514	1/2	174,302	1/2	163,067	1/2	151,819	1/2	138,416	1/2	123,409	1/2	108,390	1/2	93,351
3/4	3/4	3/4	196,439	3/4	185,281	3/4	174,069	3/4	162,833	3/4	151,584	3/4	138,110	3/4	123,097	3/4	108,077	3/4	93,038
10	10	10	196,241	10	185,047	10	173,835	10	162,599	10	151,350	10	137,798	10	122,784	10	107,764	10	92,725
1/4	1/4	1/4	196,042	1/4	184,813	1/4	173,601	1/4	162,364	1/4	151,116	1/4	137,487	1/4	122,471	1/4	107,450	1/4	92,411
1/2	1/2	1/2	195,843	1/2	184,580	1/2	173,368	1/2	162,130	1/2	150,881	1/2	137,175	1/2	122,158	1/2	107,137	1/2	92,098
3/4	3/4	3/4	195,644	3/4	184,346	3/4	173,134	3/4	161,896	3/4	150,647	3/4	136,864	3/4	121,845	3/4	106,824	3/4	91,785
11	11	11	195,414	11	184,113	11	172,901	11	161,661	11	150,413	11	136,551	11	121,532	11	106,511	11	91,472
1/4	1/4	1/4	195,184	1/4	183,879	1/4	172,667	1/4	161,427	1/4	150,180	1/4	136,238	1/4	121,219	1/4	106,197	1/4	91,158
1/2	1/2	1/2	194,953	1/2	183,646	1/2	172,434	1/2	161,193	1/2	149,946	1/2	135,925	1/2	120,906	1/2	105,884	1/2	90,845
3/4	3/4	3/4	194,723	3/4	183,412	3/4	172,200	3/4	160,958	3/4	149,713	3/4	135,612	3/4	120,593	3/4	105,571	3/4	90,532

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.
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BARGE "HSM 4104"

3 STBD 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	90,218	0	75,179	0	60,140	0	45,104	0	30,080	0	15,042	0	0	0	0	0	0	0	0
1/4	89,905	1/4	74,866	1/4	59,827	1/4	44,791	1/4	29,767	1/4	14,729	1/4	0	0	0	0	0	0	0
1/2	89,592	1/2	74,553	1/2	59,514	1/2	44,478	1/2	29,454	1/2	14,415	1/2	0	0	0	0	0	0	0
3/4	89,278	3/4	74,239	3/4	59,200	3/4	44,165	3/4	29,141	3/4	14,102	3/4	0	0	0	0	0	0	0
1	88,965	1	73,926	1	58,887	1	43,852	1	28,827	1	13,789	1	0	0	0	0	0	0	0
1/4	88,652	1/4	73,613	1/4	58,574	1/4	43,539	1/4	28,514	1/4	13,475	1/4	0	0	0	0	0	0	0
1/2	88,338	1/2	73,299	1/2	58,260	1/2	43,227	1/2	28,201	1/2	13,162	1/2	0	0	0	0	0	0	0
3/4	88,025	3/4	72,986	3/4	57,947	3/4	42,914	3/4	27,887	3/4	12,849	3/4	0	0	0	0	0	0	0
2	87,712	2	72,673	2	57,634	2	42,601	2	27,574	2	12,535	2	0	0	0	0	0	0	0
1/4	87,398	1/4	72,359	1/4	57,320	1/4	42,288	1/4	27,261	1/4	12,222	1/4	0	0	0	0	0	0	0
1/2	87,085	1/2	72,046	1/2	57,007	1/2	41,975	1/2	26,947	1/2	11,909	1/2	0	0	0	0	0	0	0
3/4	86,772	3/4	71,733	3/4	56,694	3/4	41,662	3/4	26,634	3/4	11,596	3/4	0	0	0	0	0	0	0
3	86,459	3	71,420	3	56,381	3	41,350	3	26,321	3	11,282	3	0	0	0	0	0	0	0
1/4	86,145	1/4	71,106	1/4	56,067	1/4	41,037	1/4	26,007	1/4	10,969	1/4	0	0	0	0	0	0	0
1/2	85,832	1/2	70,793	1/2	55,754	1/2	40,724	1/2	25,694	1/2	10,656	1/2	0	0	0	0	0	0	0
3/4	85,519	3/4	70,480	3/4	55,441	3/4	40,411	3/4	25,381	3/4	10,342	3/4	0	0	0	0	0	0	0
4	85,205	4	70,166	4	55,127	4	40,098	4	25,068	4	10,029	4	0	0	0	0	0	0	0
1/4	84,892	1/4	69,853	1/4	54,814	1/4	39,786	1/4	24,754	1/4	9,716	1/4	0	0	0	0	0	0	0
1/2	84,579	1/2	69,540	1/2	54,501	1/2	39,473	1/2	24,441	1/2	9,402	1/2	0	0	0	0	0	0	0
3/4	84,265	3/4	69,226	3/4	54,187	3/4	39,160	3/4	24,128	3/4	9,089	3/4	0	0	0	0	0	0	0
5	83,952	5	68,913	5	53,874	5	38,847	5	23,814	5	8,776	5	0	0	0	0	0	0	0
1/4	83,639	1/4	68,600	1/4	53,561	1/4	38,534	1/4	23,501	1/4	8,463	1/4	0	0	0	0	0	0	0
1/2	83,325	1/2	68,286	1/2	53,247	1/2	38,221	1/2	23,188	1/2	8,149	1/2	0	0	0	0	0	0	0
3/4	83,012	3/4	67,973	3/4	52,934	3/4	37,909	3/4	22,874	3/4	7,836	3/4	0	0	0	0	0	0	0
6	82,699	6	67,660	6	52,621	6	37,596	6	22,561	6	7,523	6	0	0	0	0	0	0	0
1/4	82,385	1/4	67,346	1/4	52,307	1/4	37,283	1/4	22,248	1/4	7,209	1/4	0	0	0	0	0	0	0
1/2	82,072	1/2	67,033	1/2	51,994	1/2	36,970	1/2	21,935	1/2	6,896	1/2	0	0	0	0	0	0	0
3/4	81,759	3/4	66,720	3/4	51,681	3/4	36,657	3/4	21,621	3/4	6,583	3/4	0	0	0	0	0	0	0
7	81,446	7	66,407	7	51,368	7	36,345	7	21,308	7	6,269	7	0	0	0	0	0	0	0
1/4	81,132	1/4	66,093	1/4	51,054	1/4	36,032	1/4	20,995	1/4	5,956	1/4	0	0	0	0	0	0	0
1/2	80,819	1/2	65,780	1/2	50,741	1/2	35,719	1/2	20,681	1/2	5,643	1/2	0	0	0	0	0	0	0
3/4	80,506	3/4	65,467	3/4	50,428	3/4	35,406	3/4	20,368	3/4	5,330	3/4	0	0	0	0	0	0	0
8	80,192	8	65,153	8	50,114	8	35,093	8	20,055	8	5,017	8	0	0	0	0	0	0	0
1/4	79,879	1/4	64,840	1/4	49,801	1/4	34,780	1/4	19,741	1/4	4,704	1/4	0	0	0	0	0	0	0
1/2	79,566	1/2	64,527	1/2	49,488	1/2	34,467	1/2	19,428	1/2	4,391	1/2	0	0	0	0	0	0	0
3/4	79,252	3/4	64,213	3/4	49,174	3/4	34,153	3/4	19,115	3/4	4,078	3/4	0	0	0	0	0	0	0
9	78,939	9	63,900	9	48,861	9	33,840	9	18,802	9	3,766	9	0	0	0	0	0	0	0
1/4	78,626	1/4	63,587	1/4	48,548	1/4	33,527	1/4	18,488	1/4	3,454	1/4	0	0	0	0	0	0	0
1/2	78,312	1/2	63,273	1/2	48,234	1/2	33,213	1/2	18,175	1/2	3,142	1/2	0	0	0	0	0	0	0
3/4	77,999	3/4	62,960	3/4	47,921	3/4	32,900	3/4	17,862	3/4	2,830	3/4	0	0	0	0	0	0	0
10	77,686	10	62,647	10	47,608	10	32,587	10	17,548	10	2,516	10	0	0	0	0	0	0	0
1/4	77,372	1/4	62,333	1/4	47,295	1/4	32,274	1/4	17,235	1/4	2,203	1/4	0	0	0	0	0	0	0
1/2	77,059	1/2	62,020	1/2	46,982	1/2	31,960	1/2	16,922	1/2	1,891	1/2	0	0	0	0	0	0	0
3/4	76,746	3/4	61,707	3/4	46,669	3/4	31,647	3/4	16,608	3/4	1,579	3/4	0	0	0	0	0	0	0
11	76,433	11	61,394	11	46,356	11	31,334	11	16,295	11	1,265	11	0	0	0	0	0	0	0
1/4	76,119	1/4	61,080	1/4	46,043	1/4	31,020	1/4	15,982	1/4	1,265	1/4	0	0	0	0	0	0	0
1/2	75,806	1/2	60,767	1/2	45,729	1/2	30,707	1/2	15,668	1/2	1,049	1/2	0	0	0	0	0	0	0
3/4	75,493	3/4	60,454	3/4	45,416	3/4	30,394	3/4	15,355	3/4	834	3/4	0	0	0	0	0	0	0

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/24/2024 CL
CALCULATED: 10/24/2024 CL
PRINTED: 10/25/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2024

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