BARGE "HSM 4101"

1 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	206,992	0	192,075	0	177,109	0	162,106	0	147,096	0	132,087	0	117,077	0	102,065
1/4		1/4		1/4	206,683	1/4	191,764	1/4	176,798	1/4	161,793	1/4	146,784	1/4	131,774	1/4	116,764	1/4	101,752
1/2		1/2		1/2	206,374	1/2	191,452	1/2	176,486	1/2	161,481	1/2	146,471	1/2	131,461	1/2	116,451	1/2	101,439
3/4		3/4		3/4	206,064	3/4	191,140	3/4	176,174	3/4	161,168	3/4	146,158	3/4	131,149	3/4	116,139	3/4	101,126
1		1		1	205,755	1	190,828	1	175,862	1	160,855	1	145,846	1	130,836	1	115,826	1	100,814
1/4		1/4		1/4	205,445	1/4	190,516	1/4	175,550	1/4	160,543	1/4	145,533	1/4	130,523	1/4	115,513	1/4	100,501
1/2		1/2		1/2	205,135	1/2	190,205	1/2	175,239	1/2	160,230	1/2	145,220	1/2	130,210	1/2	115,201	1/2	100,188
3/4		3/4		3/4	204,826	3/4	189,893	3/4	174,926	3/4	159,917	3/4	144,907	3/4	129,898	3/4	114,888	3/4	99,875
2		2		2	204,516	2	189,581	2	174,614	2	159,604	2	144,595	2	129,585	2	114,575	2	99,562
1/4		1/4		1/4	204,206	1/4	189,269	1/4	174,301	1/4	159,292	1/4	144,282	1/4	129,272	1/4	114,263	1/4	99,249
1/2		1/2		1/2	203,896	1/2	188,957	1/2	173,989	1/2	158,979	1/2	143,969	1/2	128,960	1/2	113,950	1/2	98,936
3/4		3/4		3/4	203,586	3/4	188,646	3/4	173,676	3/4	158,666	3/4	143,657	3/4	128,647	3/4	113,637	3/4	98,624
3		3		3	203,277	3	188,334	3	173,363	3	158,354	3	143,344	3	128,334	3	113,324	3	98,311
1/4		1/4		1/4	202,967	1/4	188,022	1/4	173,051	1/4	158,041	1/4	143,031	1/4	128,021	1/4	113,012	1/4	97,998
1/2		1/2		1/2	202,657	1/2	187,710	1/2	172,738	1/2	157,728	1/2	142,718	1/2	127,709	1/2	112,699	1/2	97,685
3/4		3/4		3/4	202,347	3/4	187,398	3/4	172,425	3/4	157,416	3/4	142,406	3/4	127,396	3/4	112,386	3/4	97,372
4		4		4	202,038	4	187,087	4	172,113	4	157,103	4	142,093	4	127,083	4	112,074	4	97,059
1/4		1/4		1/4	201,728	1/4	186,775	1/4	171,800	1/4	156,790	1/4	141,780	1/4	126,771	1/4	111,761	1/4	96,747
1/2		1/2		1/2	201,418	1/2	186,463	1/2	171,487	1/2	156,477	1/2	141,468	1/2	126,458	1/2	111,448	1/2	96,434
3/4		3/4		3/4	201,109	3/4	186,151	3/4	171,174	3/4	156,165	3/4	141,155	3/4	126,145	3/4	111,136	3/4	96,121
5		5		5	200,799	5	185,840	5	170,862	5	155,852	5	140,842	5	125,833	5	110,823	5	95,808
1/4		1/4		1/4	200,489	1/4	185,528	1/4	170,549	1/4	155,539	1/4	140,530	1/4	125,520	1/4	110,510	1/4	95,495
1/2		1/2		1/2	200,180	1/2	185,216	1/2	170,236	1/2	155,227	1/2	140,217	1/2	125,207	1/2	110,197	1/2	95,182
3/4		3/4		3/4	199,868	3/4	184,904	3/4	169,924	3/4	154,914	3/4	139,904	3/4	124,894	3/4	109,885	3/4	94,870
6		6		6	199,557	6	184,592	6	169,611	6	154,601	6	139,591	6	124,582	6	109,572	6	94,557
1/4		1/4		1/4	199,246	1/4	184,281	1/4	169,298	1/4	154,288	1/4	139,279	1/4	124,269	1/4	109,259	1/4	94,244
1/2		1/2		1/2	198,935	1/2	183,969	1/2	168,986	1/2	153,976	1/2	138,966	1/2	123,956	1/2	108,947	1/2	93,931
3/4		3/4		3/4	198,623	3/4	183,657	3/4	168,673	3/4	153,663	3/4	138,653	3/4	123,644	3/4	108,634	3/4	93,618
7		7		7	198,311	7	183,345	7	168,360	7	153,350	7	138,341	7	123,331	7	108,321	7	93,305
1/4		1/4		1/4	197,999	1/4	183,033	1/4	168,047	1/4	153,038	1/4	138,028	1/4	123,018	1/4	108,009	1/4	92,993
1/2		1/2	211,441	1/2	197,688	1/2	182,722	1/2	167,735	1/2	152,725	1/2	137,715	1/2	122,706	1/2	107,696	1/2	92,680
3/4		3/4	211,275	3/4	197,376	3/4	182,410	3/4	167,422	3/4	152,412	3/4	137,403	3/4	122,393	3/4	107,383	3/4	92,367
8		8	211,108	8	197,064	8	182,098	8	167,109	8	152,100	8	137,090	8	122,080	8	107,070	8	92,054
1/4		1/4	210,942	1/4	196,752	1/4	181,786	1/4	166,797	1/4	151,787	1/4	136,777	1/4	121,767	1/4	106,757	1/4	91,741
1/2		1/2	210,775	1/2	196,440	1/2	181,474	1/2	166,484	1/2	151,474	1/2	136,464	1/2	121,455	1/2	106,445	1/2	91,428
3/4		3/4	210,557	3/4	196,129	3/4	181,163	3/4	166,171	3/4	151,161	3/4	136,152	3/4	121,142	3/4	106,132	3/4	91,116
9		9	210,338	9	195,817	9	180,851	9	165,858	9	150,849	9	135,839	9	120,829	9	105,819	9	90,803
1/4		1/4	210,120	1/4	195,505	1/4	180,539	1/4	165,546	1/4	150,536	1/4	135,526	1/4	120,517	1/4	105,506	1/4	90,490
1/2		1/2	209,901	1/2	195,193	1/2	180,227	1/2	165,233	1/2	150,223	1/2	135,214	1/2	120,204	1/2	105,193	1/2	90,177
3/4		3/4	209,631	3/4	194,881	3/4	179,916	3/4	164,920	3/4	149,911	3/4	134,901	3/4	119,891	3/4	104,880	3/4	89,864
10		10	209,360	10	194,570	10	179,604	10	164,608	10	149,598	10	134,588	10	119,579	10	104,568	10	89,551
1/4		1/4	209,089	1/4	194,258	1/4	179,292	1/4	164,295	1/4	149,285	1/4	134,276	1/4	119,266	1/4	104,255	1/4	89,238
1/2		1/2	208,819	1/2	193,946	1/2	178,980	1/2	163,982	1/2	148,973	1/2	133,963	1/2	118,953	1/2	103,942	1/2	88,926
3/4		3/4	208,517	3/4	193,634	3/4	178,668	3/4	163,670	3/4	148,660	3/4	133,650	3/4	118,640	3/4	103,629	3/4	88,613
11		11	208,214	11	193,322	11	178,357	11	163,357	11	148,347	11	133,337	11	118,328	11	103,316	11	88,300
1/4		1/4	207,912	1/4	193,011	1/4	178,045	1/4	163,044	1/4	148,034	1/4	133,025	1/4	118,015	1/4	103,003	1/4	87,987
1/2		1/2	207,610	1/2	192,699	1/2	177,733	1/2	162,731	1/2	147,722	1/2	132,712	1/2	117,702	1/2	102,691	1/2	87,674
3/4		3/4	207,301	3/4	192,387	3/4	177,421	3/4	162,419	3/4	147,409	3/4	132,399	3/4	117,390	3/4	102,378	3/4	87,361

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
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BARGE "HSM 4101"

1 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	87,049	0	72,032	0	57,066	0	42,105	0	27,089	0	12,277	0		0		0		0	
1/4	86,736	1/4	71,720	1/4	56,756	1/4	41,792	1/4	26,776	1/4	11,984	1/4		1/4		1/4		1/4	
1/2	86,423	1/2	71,407	1/2	56,445	1/2	41,479	1/2	26,463	1/2	11,690	1/2		1/2		1/2		1/2	
3/4	86,110	3/4	71,094	3/4	56,135	3/4	41,166	3/4	26,151	3/4	11,400	3/4		3/4		3/4		3/4	
1	85,797	1	70,781	1	55,824	1	40,853	1	25,838	1	11,110	1		1		1		1	
1/4	85,484	1/4	70,468	1/4	55,514	1/4	40,541	1/4	25,525	1/4	10,820	1/4		1/4		1/4		1/4	
1/2	85,172	1/2	70,155	1/2	55,203	1/2	40,228	1/2	25,212	1/2	10,530	1/2		1/2		1/2		1/2	
3/4	84,859	3/4	69,843	3/4	54,893	3/4	39,915	3/4	24,899	3/4	10,243	3/4		3/4		3/4		3/4	
2	84,546	2	69,530	2	54,582	2	39,602	2	24,586	2	9,957	2		2		2		2	
1/4	84,233	1/4	69,217	1/4	54,272	1/4	39,289	1/4	24,274	1/4	9,671	1/4		1/4		1/4		1/4	
1/2	83,920	1/2	68,904	1/2	53,961	1/2	38,976	1/2	23,961	1/2	9,384	1/2		1/2		1/2		1/2	
3/4	83,607	3/4	68,591	3/4	53,651	3/4	38,664	3/4	23,648	3/4	9,102	3/4		3/4		3/4		3/4	
3	83,295	3	68,278	3	53,340	3	38,351	3	23,335	3	8,819	3		3		3		3	
1/4	82,982	1/4	67,966	1/4	53,030	1/4	38,038	1/4	23,022	1/4	8,536	1/4		1/4		1/4		1/4	
1/2	82,669	1/2	67,653	1/2	52,719	1/2	37,725	1/2	22,709	1/2	8,253	1/2		1/2		1/2		1/2	
3/4	82,356	3/4	67,340	3/4	52,409	3/4	37,412	3/4	22,397	3/4	7,974	3/4		3/4		3/4		3/4	
4	82,043	4	67,027	4	52,098	4	37,100	4	22,084	4	7,695	4		4		4		4	
1/4	81,730	1/4	66,714	1/4	51,787	1/4	36,787	1/4	21,771	1/4	7,416	1/4		1/4		1/4		1/4	
1/2	81,418	1/2	66,401	1/2	51,476	1/2	36,474	1/2	21,458	1/2	7,137	1/2		1/2		1/2		1/2	
3/4	81,105	3/4	66,088	3/4	51,165	3/4	36,161	3/4	21,145	3/4	6,861	3/4		3/4		3/4		3/4	
5	80,792	5	65,776	5	50,854	5	35,848	5	20,832	5	6,586	5		5		5		5	
1/4	80,479	1/4	65,463	1/4	50,542	1/4	35,535	1/4	20,520	1/4	6,311	1/4		1/4		1/4		1/4	
1/2	80,166	1/2	65,150	1/2	50,231	1/2	35,223	1/2	20,207	1/2	6,035	1/2		1/2		1/2		1/2	
3/4	79,853	3/4	64,837	3/4	49,920	3/4	34,910	3/4	19,894	3/4	5,763	3/4		3/4		3/4		3/4	
6	79,541	6	64,525	6	49,608	6	34,597	6	19,581	6	5,491	6		6		6		6	
1/4	79,228	1/4	64,212	1/4	49,297	1/4	34,284	1/4	19,268	1/4	5,220	1/4		1/4		1/4		1/4	
1/2	78,915	1/2	63,900	1/2	48,986	1/2	33,971	1/2	18,955	1/2	4,948	1/2		1/2		1/2		1/2	
3/4	78,602	3/4	63,589	3/4	48,673	3/4	33,658	3/4	18,644	3/4	4,680	3/4		3/4		3/4		3/4	
7	78,289	7	63,277	7	48,361	7	33,346	7	18,333	7	4,412	7		7		7		7	
1/4	77,976	1/4	62,966	1/4	48,048	1/4	33,033	1/4	18,021	1/4	4,143	1/4		1/4		1/4		1/4	
1/2	77,663	1/2	62,655	1/2	47,736	1/2	32,720	1/2	17,710	1/2	3,875	1/2		1/2		1/2		1/2	
3/4	77,351	3/4	62,345	3/4	47,423	3/4	32,407	3/4	17,401	3/4	3,611	3/4		3/4		3/4		3/4	
8	77,038	8	62,034	8	47,110	8	32,094	8	17,093	8	3,347	8		8		8		8	
1/4	76,725	1/4	61,723	1/4	46,797	1/4	31,781	1/4	16,785	1/4	3,083	1/4		1/4		1/4		1/4	
1/2	76,412	1/2	61,413	1/2	46,484	1/2	31,469	1/2	16,477	1/2	2,819	1/2		1/2		1/2		1/2	
3/4	76,099	3/4	61,102	3/4	46,172	3/4	31,156	3/4	16,172	3/4	2,559	3/4		3/4		3/4		3/4	
9	75,786	9	60,792	9	45,859	9	30,843	9	15,867	9	2,299	9		9		9		9	
1/4	75,474	1/4	60,481	1/4	45,546	1/4	30,530	1/4	15,563	1/4	2,040	1/4		1/4		1/4		1/4	
1/2	75,161	1/2	60,171	1/2	45,233	1/2	30,217	1/2	15,258	1/2	1,780	1/2		1/2		1/2		1/2	
3/4	74,848	3/4	59,860	3/4	44,920	3/4	29,904	3/4	14,957	3/4	1,553	3/4		3/4		3/4		3/4	
10	74,535	10	59,550	10	44,607	10	29,592	10	14,656	10	1,325	10		10		10		10	
1/4	74,222	1/4	59,239	1/4	44,295	1/4	29,279	1/4	14,355	1/4	1,098	1/4		1/4		1/4		1/4	
1/2	73,909	1/2	58,929	1/2	43,982	1/2	28,966	1/2	14,054	1/2	870	1/2		1/2		1/2		1/2	
3/4	73,597	3/4	58,618	3/4	43,669	3/4	28,653	3/4	13,757	3/4	715	3/4		3/4		3/4		3/4	
11	73,284	11	58,308	11	43,356	11	28,340	11	13,459	11	559	11		11		11		11	
1/4	72,971	1/4	57,997	1/4	43,043	1/4	28,027	1/4	13,162	1/4	403	1/4		1/4		1/4		1/4	
1/2	72,658	1/2	57,687	1/2	42,730	1/2	27,715	1/2	12,865	1/2	248	1/2		1/2		1/2		1/2	
3/4	72,345	3/4	57,376	3/4	42,418	3/4	27,402	3/4	12,571	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/18/2024 CL
CALCULATED: 09/19/2024 CL
PRINTED: 09/19/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2024

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "HSM 4101"

1 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	207,566	0	192,640	0	177,662	0	162,647	0	147,625	0	132,603	0	117,582	0	102,558
1/4		1/4		1/4	207,256	1/4	192,328	1/4	177,350	1/4	162,334	1/4	147,312	1/4	132,291	1/4	117,269	1/4	102,245
1/2		1/2		1/2	206,947	1/2	192,016	1/2	177,038	1/2	162,021	1/2	146,999	1/2	131,978	1/2	116,956	1/2	101,932
3/4		3/4		3/4	206,638	3/4	191,704	3/4	176,725	3/4	161,708	3/4	146,686	3/4	131,665	3/4	116,643	3/4	101,619
1		1		1	206,328	1	191,391	1	176,413	1	161,395	1	146,373	1	131,352	1	116,330	1	101,306
1/4		1/4		1/4	206,018	1/4	191,079	1/4	176,101	1/4	161,082	1/4	146,060	1/4	131,039	1/4	116,017	1/4	100,993
1/2		1/2		1/2	205,708	1/2	190,767	1/2	175,789	1/2	160,769	1/2	145,748	1/2	130,726	1/2	115,704	1/2	100,680
3/4		3/4		3/4	205,398	3/4	190,455	3/4	175,477	3/4	160,456	3/4	145,435	3/4	130,413	3/4	115,391	3/4	100,367
2		2		2	205,088	2	190,143	2	175,165	2	160,143	2	145,122	2	130,100	2	115,078	2	100,053
1/4		1/4		1/4	204,778	1/4	189,831	1/4	174,852	1/4	159,830	1/4	144,809	1/4	129,787	1/4	114,765	1/4	99,740
1/2		1/2		1/2	204,468	1/2	189,519	1/2	174,539	1/2	159,518	1/2	144,496	1/2	129,474	1/2	114,452	1/2	99,427
3/4		3/4		3/4	204,158	3/4	189,207	3/4	174,226	3/4	159,205	3/4	144,183	3/4	129,161	3/4	114,139	3/4	99,114
3		3		3	203,848	3	188,895	3	173,913	3	158,892	3	143,870	3	128,848	3	113,826	3	98,801
1/4		1/4		1/4	203,538	1/4	188,583	1/4	173,600	1/4	158,579	1/4	143,557	1/4	128,535	1/4	113,514	1/4	98,488
1/2		1/2		1/2	203,228	1/2	188,271	1/2	173,288	1/2	158,266	1/2	143,244	1/2	128,222	1/2	113,201	1/2	98,175
3/4		3/4		3/4	202,918	3/4	187,959	3/4	172,975	3/4	157,953	3/4	142,931	3/4	127,909	3/4	112,888	3/4	97,862
4		4		4	202,608	4	187,647	4	172,662	4	157,640	4	142,618	4	127,596	4	112,575	4	97,549
1/4		1/4		1/4	202,298	1/4	187,335	1/4	172,349	1/4	157,327	1/4	142,305	1/4	127,283	1/4	112,262	1/4	97,236
1/2		1/2		1/2	201,988	1/2	187,023	1/2	172,036	1/2	157,014	1/2	141,992	1/2	126,970	1/2	111,949	1/2	96,923
3/4		3/4		3/4	201,678	3/4	186,711	3/4	171,723	3/4	156,701	3/4	141,679	3/4	126,657	3/4	111,636	3/4	96,610
5		5		5	201,368	5	186,399	5	171,410	5	156,388	5	141,366	5	126,344	5	111,323	5	96,296
1/4		1/4		1/4	201,058	1/4	186,087	1/4	171,097	1/4	156,075	1/4	141,053	1/4	126,032	1/4	111,010	1/4	95,983
1/2		1/2		1/2	200,748	1/2	185,775	1/2	170,784	1/2	155,762	1/2	140,740	1/2	125,719	1/2	110,697	1/2	95,670
3/4		3/4		3/4	200,439	3/4	185,463	3/4	170,471	3/4	155,449	3/4	140,427	3/4	125,406	3/4	110,384	3/4	95,357
6		6		6	200,127	6	185,151	6	170,158	6	155,136	6	140,114	6	125,093	6	110,071	6	95,044
1/4		1/4		1/4	199,816	1/4	184,839	1/4	169,845	1/4	154,823	1/4	139,801	1/4	124,780	1/4	109,758	1/4	94,731
1/2		1/2		1/2	199,504	1/2	184,527	1/2	169,532	1/2	154,510	1/2	139,488	1/2	124,467	1/2	109,445	1/2	94,418
3/4		3/4		3/4	199,193	3/4	184,214	3/4	169,219	3/4	154,197	3/4	139,175	3/4	124,154	3/4	109,132	3/4	94,105
7		7		7	198,880	7	183,902	7	168,906	7	153,884	7	138,862	7	123,841	7	108,819	7	93,792
1/4		1/4		1/4	198,568	1/4	183,590	1/4	168,593	1/4	153,571	1/4	138,550	1/4	123,528	1/4	108,506	1/4	93,479
1/2		1/2		1/2	198,256	1/2	183,278	1/2	168,280	1/2	153,258	1/2	138,237	1/2	123,215	1/2	108,193	1/2	93,166
3/4		3/4	211,709	3/4	197,944	3/4	182,966	3/4	167,967	3/4	152,945	3/4	137,924	3/4	122,902	3/4	107,880	3/4	92,852
8		8	211,542	8	197,632	8	182,654	8	167,654	8	152,633	8	137,611	8	122,589	8	107,567	8	92,539
1/4		1/4	211,376	1/4	197,320	1/4	182,342	1/4	167,341	1/4	152,320	1/4	137,298	1/4	122,276	1/4	107,254	1/4	92,226
1/2		1/2	211,209	1/2	197,008	1/2	182,030	1/2	167,028	1/2	152,007	1/2	136,985	1/2	121,963	1/2	106,941	1/2	91,913
3/4		3/4	211,043	3/4	196,696	3/4	181,718	3/4	166,715	3/4	151,694	3/4	136,672	3/4	121,650	3/4	106,628	3/4	91,600
9		9	210,824	9	196,384	9	181,406	9	166,403	9	151,381	9	136,359	9	121,337	9	106,315	9	91,287
1/4		1/4	210,605	1/4	196,072	1/4	181,094	1/4	166,090	1/4	151,068	1/4	136,046	1/4	121,024	1/4	106,002	1/4	90,974
1/2		1/2	210,387	1/2	195,760	1/2	180,782	1/2	165,777	1/2	150,755	1/2	135,733	1/2	120,711	1/2	105,689	1/2	90,661
3/4		3/4	210,168	3/4	195,448	3/4	180,470	3/4	165,464	3/4	150,442	3/4	135,420	3/4	120,398	3/4	105,376	3/4	90,348
10		10	209,897	10	195,136	10	180,158	10	165,151	10	150,129	10	135,107	10	120,085	10	105,063	10	90,035
1/4		1/4	209,626	1/4	194,824	1/4	179,846	1/4	164,838	1/4	149,816	1/4	134,794	1/4	119,773	1/4	104,750	1/4	89,722
1/2		1/2	209,355	1/2	194,512	1/2	179,534	1/2	164,525	1/2	149,503	1/2	134,481	1/2	119,460	1/2	104,437	1/2	89,409
3/4		3/4	209,085	3/4	194,200	3/4	179,222	3/4	164,212	3/4	149,190	3/4	134,168	3/4	119,147	3/4	104,124	3/4	89,095
11		11	208,782	11	193,888	11	178,910	11	163,899	11	148,877	11	133,855	11	118,834	11	103,810	11	88,782
1/4		1/4	208,480	1/4	193,576	1/4	178,598	1/4	163,586	1/4	148,564	1/4	133,542	1/4	118,521	1/4	103,497	1/4	88,469
1/2		1/2	208,177	1/2	193,264	1/2	178,286	1/2	163,273	1/2	148,251	1/2	133,229	1/2	118,208	1/2	103,184	1/2	88,156
3/4		3/4	207,875	3/4	192,952	3/4	177,974	3/4	162,960	3/4	147,938	3/4	132,916	3/4	117,895	3/4	102,871	3/4	87,843

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 4101"

1 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	87,530	0	72,502	0	57,477	0	42,453	0	27,426	0	12,583	0		0		0		0	
1/4	87,217	1/4	72,189	1/4	57,164	1/4	42,140	1/4	27,113	1/4	12,289	1/4		1/4		1/4		1/4	
1/2	86,904	1/2	71,876	1/2	56,851	1/2	41,827	1/2	26,800	1/2	11,995	1/2		1/2		1/2		1/2	
3/4	86,591	3/4	71,563	3/4	56,539	3/4	41,514	3/4	26,487	3/4	11,701	3/4		3/4		3/4		3/4	
1	86,278	1	71,250	1	56,226	1	41,201	1	26,174	1	11,411	1		1		1		1	
1/4	85,965	1/4	70,937	1/4	55,913	1/4	40,888	1/4	25,860	1/4	11,121	1/4		1/4		1/4		1/4	
1/2	85,652	1/2	70,623	1/2	55,600	1/2	40,575	1/2	25,547	1/2	10,831	1/2		1/2		1/2		1/2	
3/4	85,338	3/4	70,310	3/4	55,287	3/4	40,262	3/4	25,234	3/4	10,540	3/4		3/4		3/4		3/4	
2	85,025	2	69,997	2	54,974	2	39,949	2	24,921	2	10,254	2		2		2		2	
1/4	84,712	1/4	69,684	1/4	54,661	1/4	39,636	1/4	24,608	1/4	9,967	1/4		1/4		1/4		1/4	
1/2	84,399	1/2	69,371	1/2	54,349	1/2	39,323	1/2	24,295	1/2	9,680	1/2		1/2		1/2		1/2	
3/4	84,086	3/4	69,058	3/4	54,036	3/4	39,010	3/4	23,982	3/4	9,394	3/4		3/4		3/4		3/4	
3	83,773	3	68,745	3	53,723	3	38,697	3	23,669	3	9,111	3		3		3		3	
1/4	83,460	1/4	68,432	1/4	53,410	1/4	38,383	1/4	23,356	1/4	8,828	1/4		1/4		1/4		1/4	
1/2	83,147	1/2	68,119	1/2	53,097	1/2	38,070	1/2	23,043	1/2	8,545	1/2		1/2		1/2		1/2	
3/4	82,834	3/4	67,806	3/4	52,784	3/4	37,757	3/4	22,730	3/4	8,262	3/4		3/4		3/4		3/4	
4	82,521	4	67,493	4	52,471	4	37,444	4	22,417	4	7,982	4		4		4		4	
1/4	82,208	1/4	67,180	1/4	52,158	1/4	37,131	1/4	22,104	1/4	7,703	1/4		1/4		1/4		1/4	
1/2	81,895	1/2	66,866	1/2	51,845	1/2	36,818	1/2	21,790	1/2	7,424	1/2		1/2		1/2		1/2	
3/4	81,581	3/4	66,553	3/4	51,533	3/4	36,505	3/4	21,477	3/4	7,144	3/4		3/4		3/4		3/4	
5	81,268	5	66,240	5	51,219	5	36,192	5	21,164	5	6,869	5		5		5		5	
1/4	80,955	1/4	65,927	1/4	50,906	1/4	35,879	1/4	20,851	1/4	6,593	1/4		1/4		1/4		1/4	
1/2	80,642	1/2	65,614	1/2	50,593	1/2	35,566	1/2	20,538	1/2	6,317	1/2		1/2		1/2		1/2	
3/4	80,329	3/4	65,301	3/4	50,280	3/4	35,253	3/4	20,225	3/4	6,042	3/4		3/4		3/4		3/4	
6	80,016	6	64,988	6	49,967	6	34,940	6	19,912	6	5,769	6		6		6		6	
1/4	79,703	1/4	64,675	1/4	49,654	1/4	34,627	1/4	19,599	1/4	5,497	1/4		1/4		1/4		1/4	
1/2	79,390	1/2	64,362	1/2	49,341	1/2	34,313	1/2	19,286	1/2	5,225	1/2		1/2		1/2		1/2	
3/4	79,077	3/4	64,049	3/4	49,028	3/4	34,000	3/4	18,973	3/4	4,953	3/4		3/4		3/4		3/4	
7	78,764	7	63,736	7	48,715	7	33,687	7	18,661	7	4,685	7		7		7		7	
1/4	78,451	1/4	63,422	1/4	48,402	1/4	33,374	1/4	18,349	1/4	4,417	1/4		1/4		1/4		1/4	
1/2	78,137	1/2	63,109	1/2	48,089	1/2	33,061	1/2	18,038	1/2	4,148	1/2		1/2		1/2		1/2	
3/4	77,824	3/4	62,796	3/4	47,776	3/4	32,748	3/4	17,726	3/4	3,880	3/4		3/4		3/4		3/4	
8	77,511	8	62,483	8	47,463	8	32,435	8	17,417	8	3,615	8		8		8		8	
1/4	77,198	1/4	62,170	1/4	47,150	1/4	32,122	1/4	17,109	1/4	3,351	1/4		1/4		1/4		1/4	
1/2	76,885	1/2	61,857	1/2	46,837	1/2	31,809	1/2	16,800	1/2	3,087	1/2		1/2		1/2		1/2	
3/4	76,572	3/4	61,544	3/4	46,523	3/4	31,496	3/4	16,492	3/4	2,822	3/4		3/4		3/4		3/4	
9	76,259	9	61,231	9	46,210	9	31,183	9	16,187	9	2,562	9		9		9		9	
1/4	75,946	1/4	60,919	1/4	45,897	1/4	30,870	1/4	15,882	1/4	2,302	1/4		1/4		1/4		1/4	
1/2	75,633	1/2	60,606	1/2	45,584	1/2	30,557	1/2	15,577	1/2	2,043	1/2		1/2		1/2		1/2	
3/4	75,320	3/4	60,293	3/4	45,271	3/4	30,243	3/4	15,272	3/4	1,783	3/4		3/4		3/4		3/4	
10	75,007	10	59,980	10	44,958	10	29,930	10	14,971	10	1,555	10		10		10		10	
1/4	74,694	1/4	59,667	1/4	44,645	1/4	29,617	1/4	14,670	1/4	1,327	1/4		1/4		1/4		1/4	
1/2	74,380	1/2	59,354	1/2	44,332	1/2	29,304	1/2	14,369	1/2	1,100	1/2		1/2		1/2		1/2	
3/4	74,067	3/4	59,041	3/4	44,019	3/4	28,991	3/4	14,067	3/4	872	3/4		3/4		3/4		3/4	
11	73,754	11	58,729	11	43,706	11	28,678	11	13,770	11	716	11		11		11		11	
1/4	73,441	1/4	58,416	1/4	43,393	1/4	28,365	1/4	13,472	1/4	560	1/4		1/4		1/4		1/4	
1/2	73,128	1/2	58,103	1/2	43,080	1/2	28,052	1/2	13,175	1/2	404	1/2		1/2		1/2		1/2	
3/4	72,815	3/4	57,790	3/4	42,767	3/4	27,739	3/4	12,877	3/4	248	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/18/2024 CL
CALCULATED: 09/19/2024 CL
PRINTED: 09/19/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2024

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 4101"

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	209,638	0	194,711	0	179,714	0	164,672	0	149,624	0	134,575	0	119,526	0	104,475
1/4		1/4		1/4	209,329	1/4	194,399	1/4	179,401	1/4	164,359	1/4	149,310	1/4	134,261	1/4	119,213	1/4	104,161
1/2		1/2		1/2	209,020	1/2	194,086	1/2	179,089	1/2	164,045	1/2	148,997	1/2	133,948	1/2	118,899	1/2	103,847
3/4		3/4		3/4	208,711	3/4	193,774	3/4	178,776	3/4	163,732	3/4	148,683	3/4	133,634	3/4	118,586	3/4	103,534
1		1		1	208,402	1	193,461	1	178,464	1	163,418	1	148,370	1	133,321	1	118,272	1	103,220
1/4		1/4		1/4	208,092	1/4	193,149	1/4	178,151	1/4	163,105	1/4	148,056	1/4	133,007	1/4	117,959	1/4	102,906
1/2		1/2		1/2	207,783	1/2	192,837	1/2	177,839	1/2	162,791	1/2	147,743	1/2	132,694	1/2	117,645	1/2	102,593
3/4		3/4		3/4	207,473	3/4	192,524	3/4	177,526	3/4	162,478	3/4	147,429	3/4	132,380	3/4	117,332	3/4	102,279
2		2		2	207,164	2	192,212	2	177,212	2	162,164	2	147,116	2	132,067	2	117,018	2	101,965
1/4		1/4		1/4	206,854	1/4	191,899	1/4	176,899	1/4	161,851	1/4	146,802	1/4	131,753	1/4	116,705	1/4	101,652
1/2		1/2		1/2	206,545	1/2	191,587	1/2	176,586	1/2	161,537	1/2	146,488	1/2	131,440	1/2	116,391	1/2	101,338
3/4		3/4		3/4	206,235	3/4	191,274	3/4	176,272	3/4	161,224	3/4	146,175	3/4	131,126	3/4	116,078	3/4	101,024
3		3		3	205,926	3	190,962	3	175,959	3	160,910	3	145,861	3	130,813	3	115,764	3	100,711
1/4		1/4		1/4	205,616	1/4	190,649	1/4	175,645	1/4	160,597	1/4	145,548	1/4	130,499	1/4	115,450	1/4	100,397
1/2		1/2		1/2	205,307	1/2	190,337	1/2	175,332	1/2	160,283	1/2	145,234	1/2	130,186	1/2	115,137	1/2	100,083
3/4		3/4		3/4	204,997	3/4	190,024	3/4	175,018	3/4	159,970	3/4	144,921	3/4	129,872	3/4	114,823	3/4	99,770
4		4		4	204,688	4	189,712	4	174,705	4	159,656	4	144,607	4	129,559	4	114,510	4	99,456
1/4		1/4		1/4	204,379	1/4	189,400	1/4	174,391	1/4	159,343	1/4	144,294	1/4	129,245	1/4	114,196	1/4	99,142
1/2		1/2		1/2	204,069	1/2	189,087	1/2	174,078	1/2	159,029	1/2	143,980	1/2	128,932	1/2	113,883	1/2	98,829
3/4		3/4		3/4	203,760	3/4	188,775	3/4	173,764	3/4	158,716	3/4	143,667	3/4	128,618	3/4	113,569	3/4	98,515
5		5		5	203,451	5	188,462	5	173,451	5	158,402	5	143,353	5	128,305	5	113,256	5	98,201
1/4		1/4		1/4	203,141	1/4	188,150	1/4	173,137	1/4	158,089	1/4	143,040	1/4	127,991	1/4	112,942	1/4	97,888
1/2		1/2		1/2	202,832	1/2	187,837	1/2	172,824	1/2	157,775	1/2	142,726	1/2	127,678	1/2	112,629	1/2	97,574
3/4		3/4		3/4	202,520	3/4	187,525	3/4	172,510	3/4	157,462	3/4	142,413	3/4	127,364	3/4	112,315	3/4	97,260
6		6		6	202,209	6	187,212	6	172,197	6	157,148	6	142,099	6	127,051	6	112,002	6	96,947
1/4		1/4		1/4	201,897	1/4	186,900	1/4	171,883	1/4	156,834	1/4	141,786	1/4	126,737	1/4	111,688	1/4	96,633
1/2		1/2		1/2	201,585	1/2	186,588	1/2	171,570	1/2	156,521	1/2	141,472	1/2	126,424	1/2	111,375	1/2	96,319
3/4		3/4		3/4	201,273	3/4	186,275	3/4	171,256	3/4	156,207	3/4	141,159	3/4	126,110	3/4	111,061	3/4	96,006
7		7		7	200,960	7	185,963	7	170,943	7	155,894	7	140,845	7	125,796	7	110,748	7	95,692
1/4		1/4		1/4	200,648	1/4	185,650	1/4	170,629	1/4	155,580	1/4	140,532	1/4	125,483	1/4	110,434	1/4	95,378
1/2		1/2	214,079	1/2	200,335	1/2	185,338	1/2	170,316	1/2	155,267	1/2	140,218	1/2	125,169	1/2	110,121	1/2	95,065
3/4		3/4	213,913	3/4	200,023	3/4	185,025	3/4	170,002	3/4	154,953	3/4	139,905	3/4	124,856	3/4	109,807	3/4	94,751
8		8	213,748	8	199,710	8	184,713	8	169,689	8	154,640	8	139,591	8	124,542	8	109,493	8	94,437
1/4		1/4	213,582	1/4	199,398	1/4	184,400	1/4	169,375	1/4	154,326	1/4	139,278	1/4	124,229	1/4	109,180	1/4	94,124
1/2		1/2	213,416	1/2	199,086	1/2	184,088	1/2	169,062	1/2	154,013	1/2	138,964	1/2	123,915	1/2	108,866	1/2	93,810
3/4		3/4	213,198	3/4	198,773	3/4	183,775	3/4	168,748	3/4	153,699	3/4	138,651	3/4	123,602	3/4	108,553	3/4	93,496
9		9	212,980	9	198,461	9	183,463	9	168,435	9	153,386	9	138,337	9	123,288	9	108,239	9	93,183
1/4		1/4	212,762	1/4	198,148	1/4	183,151	1/4	168,121	1/4	153,072	1/4	138,024	1/4	122,975	1/4	107,925	1/4	92,869
1/2		1/2	212,544	1/2	197,836	1/2	182,838	1/2	167,808	1/2	152,759	1/2	137,710	1/2	122,661	1/2	107,612	1/2	92,555
3/4		3/4	212,274	3/4	197,523	3/4	182,526	3/4	167,494	3/4	152,445	3/4	137,397	3/4	122,348	3/4	107,298	3/4	92,242
10		10	212,003	10	197,211	10	182,213	10	167,180	10	152,132	10	137,083	10	122,034	10	106,984	10	91,928
1/4		1/4	211,733	1/4	196,898	1/4	181,901	1/4	166,867	1/4	151,818	1/4	136,770	1/4	121,721	1/4	106,671	1/4	91,614
1/2		1/2	211,463	1/2	196,586	1/2	181,588	1/2	166,553	1/2	151,505	1/2	136,456	1/2	121,407	1/2	106,357	1/2	91,301
3/4		3/4	211,161	3/4	196,274	3/4	181,276	3/4	166,240	3/4	151,191	3/4	136,142	3/4	121,094	3/4	106,043	3/4	90,987
11		11	210,859	11	195,961	11	180,963	11	165,926	11	150,878	11	135,829	11	120,780	11	105,729	11	90,673
1/4		1/4	210,557	1/4	195,649	1/4	180,651	1/4	165,613	1/4	150,564	1/4	135,515	1/4	120,467	1/4	105,416	1/4	90,360
1/2		1/2	210,256	1/2	195,336	1/2	180,339	1/2	165,299	1/2	150,251	1/2	135,202	1/2	120,153	1/2	105,102	1/2	90,046
3/4		3/4	209,947	3/4	195,024	3/4	180,026	3/4	164,986	3/4	149,937	3/4	134,888	3/4	119,840	3/4	104,788	3/4	89,732

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 4101"

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	89,419	0	74,362	0	59,306	0	44,562	0	29,799	0	14,745	0		0		0		0	
1/4	89,105	1/4	74,049	1/4	58,992	1/4	44,260	1/4	29,485	1/4	14,431	1/4		1/4		1/4		1/4	
1/2	88,791	1/2	73,735	1/2	58,679	1/2	43,957	1/2	29,172	1/2	14,118	1/2		1/2		1/2		1/2	
3/4	88,477	3/4	73,421	3/4	58,365	3/4	43,655	3/4	28,858	3/4	13,804	3/4		3/4		3/4		3/4	
1	88,164	1	73,108	1	58,051	1	43,352	1	28,545	1	13,490	1		1		1		1	
1/4	87,850	1/4	72,794	1/4	57,738	1/4	43,050	1/4	28,232	1/4	13,177	1/4		1/4		1/4		1/4	
1/2	87,536	1/2	72,480	1/2	57,424	1/2	42,747	1/2	27,918	1/2	12,863	1/2		1/2		1/2		1/2	
3/4	87,223	3/4	72,167	3/4	57,110	3/4	42,444	3/4	27,605	3/4	12,549	3/4		3/4		3/4		3/4	
2	86,909	2	71,853	2	56,797	2	42,142	2	27,291	2	12,236	2		2		2		2	
1/4	86,595	1/4	71,539	1/4	56,483	1/4	41,839	1/4	26,978	1/4	11,922	1/4		1/4		1/4		1/4	
1/2	86,282	1/2	71,226	1/2	56,169	1/2	41,537	1/2	26,664	1/2	11,608	1/2		1/2		1/2		1/2	
3/4	85,968	3/4	70,912	3/4	55,856	3/4	41,234	3/4	26,351	3/4	11,295	3/4		3/4		3/4		3/4	
3	85,654	3	70,598	3	55,542	3	40,932	3	26,037	3	10,981	3		3		3		3	
1/4	85,341	1/4	70,284	1/4	55,228	1/4	40,629	1/4	25,723	1/4	10,667	1/4		1/4		1/4		1/4	
1/2	85,027	1/2	69,971	1/2	54,915	1/2	40,326	1/2	25,410	1/2	10,354	1/2		1/2		1/2		1/2	
3/4	84,713	3/4	69,657	3/4	54,601	3/4	40,024	3/4	25,096	3/4	10,040	3/4		3/4		3/4		3/4	
4	84,400	4	69,343	4	54,287	4	39,721	4	24,782	4	9,727	4		4		4		4	
1/4	84,086	1/4	69,030	1/4	53,974	1/4	39,419	1/4	24,469	1/4	9,413	1/4		1/4		1/4		1/4	
1/2	83,772	1/2	68,716	1/2	53,660	1/2	39,116	1/2	24,155	1/2	9,099	1/2		1/2		1/2		1/2	
3/4	83,459	3/4	68,402	3/4	53,354	3/4	38,813	3/4	23,841	3/4	8,786	3/4		3/4		3/4		3/4	
5	83,145	5	68,089	5	53,048	5	38,510	5	23,528	5	8,472	5		5		5		5	
1/4	82,831	1/4	67,775	1/4	52,742	1/4	38,206	1/4	23,214	1/4	8,158	1/4		1/4		1/4		1/4	
1/2	82,518	1/2	67,461	1/2	52,436	1/2	37,903	1/2	22,900	1/2	7,845	1/2		1/2		1/2		1/2	
3/4	82,204	3/4	67,148	3/4	52,132	3/4	37,600	3/4	22,587	3/4	7,531	3/4		3/4		3/4		3/4	
6	81,890	6	66,834	6	51,829	6	37,296	6	22,273	6	7,217	6		6		6		6	
1/4	81,577	1/4	66,520	1/4	51,525	1/4	36,993	1/4	21,959	1/4	6,904	1/4		1/4		1/4		1/4	
1/2	81,263	1/2	66,207	1/2	51,222	1/2	36,689	1/2	21,646	1/2	6,590	1/2		1/2		1/2		1/2	
3/4	80,949	3/4	65,893	3/4	50,919	3/4	36,378	3/4	21,332	3/4	6,276	3/4		3/4		3/4		3/4	
7	80,636	7	65,579	7	50,616	7	36,067	7	21,018	7	5,963	7		7		7		7	
1/4	80,322	1/4	65,266	1/4	50,313	1/4	35,756	1/4	20,705	1/4	5,649	1/4		1/4		1/4		1/4	
1/2	80,008	1/2	64,952	1/2	50,010	1/2	35,445	1/2	20,391	1/2	5,335	1/2		1/2		1/2		1/2	
3/4	79,695	3/4	64,638	3/4	49,707	3/4	35,131	3/4	20,077	3/4	5,022	3/4		3/4		3/4		3/4	
8	79,381	8	64,325	8	49,404	8	34,817	8	19,764	8	4,709	8		8		8		8	
1/4	79,067	1/4	64,011	1/4	49,101	1/4	34,504	1/4	19,450	1/4	4,395	1/4		1/4		1/4		1/4	
1/2	78,754	1/2	63,697	1/2	48,799	1/2	34,190	1/2	19,136	1/2	4,082	1/2		1/2		1/2		1/2	
3/4	78,440	3/4	63,384	3/4	48,496	3/4	33,876	3/4	18,823	3/4	3,770	3/4		3/4		3/4		3/4	
9	78,126	9	63,070	9	48,193	9	33,563	9	18,509	9	3,457	9		9		9		9	
1/4	77,813	1/4	62,756	1/4	47,891	1/4	33,249	1/4	18,195	1/4	3,145	1/4		1/4		1/4		1/4	
1/2	77,499	1/2	62,443	1/2	47,588	1/2	32,935	1/2	17,882	1/2	2,833	1/2		1/2		1/2		1/2	
3/4	77,185	3/4	62,129	3/4	47,285	3/4	32,622	3/4	17,568	3/4	2,549	3/4		3/4		3/4		3/4	
10	76,872	10	61,815	10	46,983	10	32,308	10	17,254	10	2,265	10		10		10		10	
1/4	76,558	1/4	61,502	1/4	46,680	1/4	31,994	1/4	16,941	1/4	1,981	1/4		1/4		1/4		1/4	
1/2	76,244	1/2	61,188	1/2	46,378	1/2	31,681	1/2	16,627	1/2	1,697	1/2		1/2		1/2		1/2	
3/4	75,931	3/4	60,874	3/4	46,075	3/4	31,367	3/4	16,313	3/4	1,482	3/4		3/4		3/4		3/4	
11	75,617	11	60,561	11	45,773	11	31,053	11	16,000	11	1,266	11		11		11		11	
1/4	75,303	1/4	60,247	1/4	45,470	1/4	30,740	1/4	15,686	1/4	1,050	1/4		1/4		1/4		1/4	
1/2	74,990	1/2	59,933	1/2	45,167	1/2	30,426	1/2	15,372	1/2	835	1/2		1/2		1/2		1/2	
3/4	74,676	3/4	59,620	3/4	44,865	3/4	30,112	3/4	15,059	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/18/2024 CL
CALCULATED: 09/19/2024 CL
PRINTED: 09/19/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2024

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "HSM 4101"

2 STBD

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	210,082	0	195,164	0	180,176	0	165,143	0	150,104	0	135,064	0	120,025	0	104,982
1/4		1/4		1/4	209,773	1/4	194,852	1/4	179,863	1/4	164,830	1/4	149,790	1/4	134,751	1/4	119,711	1/4	104,669
1/2		1/2		1/2	209,464	1/2	194,540	1/2	179,551	1/2	164,517	1/2	149,477	1/2	134,438	1/2	119,398	1/2	104,355
3/4		3/4		3/4	209,155	3/4	194,227	3/4	179,239	3/4	164,203	3/4	149,164	3/4	134,124	3/4	119,085	3/4	104,042
1		1		1	208,846	1	193,915	1	178,927	1	163,890	1	148,851	1	133,811	1	118,771	1	103,728
1/4		1/4		1/4	208,537	1/4	193,603	1/4	178,614	1/4	163,577	1/4	148,537	1/4	133,498	1/4	118,458	1/4	103,415
1/2		1/2		1/2	208,228	1/2	193,291	1/2	178,302	1/2	163,263	1/2	148,224	1/2	133,184	1/2	118,145	1/2	103,101
3/4		3/4		3/4	207,918	3/4	192,978	3/4	177,989	3/4	162,950	3/4	147,911	3/4	132,871	3/4	117,831	3/4	102,788
2		2		2	207,609	2	192,666	2	177,676	2	162,637	2	147,597	2	132,558	2	117,518	2	102,474
1/4		1/4		1/4	207,300	1/4	192,354	1/4	177,363	1/4	162,323	1/4	147,284	1/4	132,244	1/4	117,205	1/4	102,161
1/2		1/2		1/2	206,991	1/2	192,041	1/2	177,050	1/2	162,010	1/2	146,971	1/2	131,931	1/2	116,891	1/2	101,847
3/4		3/4		3/4	206,681	3/4	191,729	3/4	176,736	3/4	161,697	3/4	146,657	3/4	131,618	3/4	116,578	3/4	101,534
3		3		3	206,372	3	191,417	3	176,423	3	161,384	3	146,344	3	131,304	3	116,265	3	101,221
1/4		1/4		1/4	206,063	1/4	191,105	1/4	176,110	1/4	161,070	1/4	146,031	1/4	130,991	1/4	115,951	1/4	100,907
1/2		1/2		1/2	205,753	1/2	190,792	1/2	175,796	1/2	160,757	1/2	145,717	1/2	130,678	1/2	115,638	1/2	100,594
3/4		3/4		3/4	205,444	3/4	190,480	3/4	175,483	3/4	160,444	3/4	145,404	3/4	130,364	3/4	115,325	3/4	100,280
4		4		4	205,135	4	190,168	4	175,170	4	160,130	4	145,091	4	130,051	4	115,011	4	99,967
1/4		1/4		1/4	204,826	1/4	189,856	1/4	174,856	1/4	159,817	1/4	144,777	1/4	129,738	1/4	114,698	1/4	99,653
1/2		1/2		1/2	204,516	1/2	189,543	1/2	174,543	1/2	159,504	1/2	144,464	1/2	129,424	1/2	114,385	1/2	99,340
3/4		3/4		3/4	204,207	3/4	189,231	3/4	174,230	3/4	159,190	3/4	144,151	3/4	129,111	3/4	114,071	3/4	99,026
5		5		5	203,898	5	188,919	5	173,917	5	158,877	5	143,837	5	128,798	5	113,758	5	98,713
1/4		1/4		1/4	203,589	1/4	188,607	1/4	173,603	1/4	158,564	1/4	143,524	1/4	128,484	1/4	113,445	1/4	98,399
1/2		1/2		1/2	203,280	1/2	188,294	1/2	173,290	1/2	158,250	1/2	143,211	1/2	128,171	1/2	113,131	1/2	98,086
3/4		3/4		3/4	202,968	3/4	187,982	3/4	172,977	3/4	157,937	3/4	142,897	3/4	127,858	3/4	112,818	3/4	97,772
6		6		6	202,657	6	187,670	6	172,663	6	157,624	6	142,584	6	127,544	6	112,505	6	97,459
1/4		1/4		1/4	202,345	1/4	187,358	1/4	172,350	1/4	157,310	1/4	142,271	1/4	127,231	1/4	112,191	1/4	97,145
1/2		1/2		1/2	202,034	1/2	187,045	1/2	172,037	1/2	156,997	1/2	141,957	1/2	126,918	1/2	111,878	1/2	96,832
3/4		3/4		3/4	201,722	3/4	186,733	3/4	171,723	3/4	156,684	3/4	141,644	3/4	126,604	3/4	111,565	3/4	96,518
7		7		7	201,409	7	186,421	7	171,410	7	156,370	7	141,331	7	126,291	7	111,251	7	96,205
1/4		1/4		1/4	201,097	1/4	186,109	1/4	171,097	1/4	156,057	1/4	141,017	1/4	125,978	1/4	110,938	1/4	95,891
1/2		1/2	214,520	1/2	200,785	1/2	185,796	1/2	170,783	1/2	155,744	1/2	140,704	1/2	125,664	1/2	110,625	1/2	95,578
3/4		3/4	214,354	3/4	200,473	3/4	185,484	3/4	170,470	3/4	155,430	3/4	140,391	3/4	125,351	3/4	110,311	3/4	95,264
8		8	214,189	8	200,160	8	185,172	8	170,157	8	155,117	8	140,077	8	125,038	8	109,998	8	94,951
1/4		1/4	214,023	1/4	199,848	1/4	184,859	1/4	169,843	1/4	154,804	1/4	139,764	1/4	124,724	1/4	109,685	1/4	94,637
1/2		1/2	213,857	1/2	199,536	1/2	184,547	1/2	169,530	1/2	154,490	1/2	139,451	1/2	124,411	1/2	109,371	1/2	94,324
3/4		3/4	213,640	3/4	199,223	3/4	184,235	3/4	169,217	3/4	154,177	3/4	139,137	3/4	124,098	3/4	109,058	3/4	94,010
9		9	213,422	9	198,911	9	183,923	9	168,903	9	153,864	9	138,824	9	123,784	9	108,744	9	93,697
1/4		1/4	213,204	1/4	198,599	1/4	183,610	1/4	168,590	1/4	153,550	1/4	138,511	1/4	123,471	1/4	108,431	1/4	93,383
1/2		1/2	212,986	1/2	198,287	1/2	183,298	1/2	168,277	1/2	153,237	1/2	138,197	1/2	123,158	1/2	108,117	1/2	93,070
3/4		3/4	212,716	3/4	197,974	3/4	182,986	3/4	167,963	3/4	152,924	3/4	137,884	3/4	122,845	3/4	107,804	3/4	92,756
10		10	212,446	10	197,662	10	182,674	10	167,650	10	152,610	10	137,571	10	122,531	10	107,490	10	92,443
1/4		1/4	212,176	1/4	197,350	1/4	182,361	1/4	167,337	1/4	152,297	1/4	137,257	1/4	122,218	1/4	107,177	1/4	92,130
1/2		1/2	211,906	1/2	197,038	1/2	182,049	1/2	167,023	1/2	151,984	1/2	136,944	1/2	121,905	1/2	106,863	1/2	91,816
3/4		3/4	211,604	3/4	196,725	3/4	181,737	3/4	166,710	3/4	151,670	3/4	136,631	3/4	121,591	3/4	106,550	3/4	91,503
11		11	211,302	11	196,413	11	181,425	11	166,397	11	151,357	11	136,317	11	121,278	11	106,236	11	91,189
1/4		1/4	211,001	1/4	196,101	1/4	181,112	1/4	166,083	1/4	151,044	1/4	136,004	1/4	120,965	1/4	105,923	1/4	90,876
1/2		1/2	210,699	1/2	195,789	1/2	180,800	1/2	165,770	1/2	150,730	1/2	135,691	1/2	120,651	1/2	105,609	1/2	90,562
3/4		3/4	210,390	3/4	195,476	3/4	180,488	3/4	165,457	3/4	150,417	3/4	135,378	3/4	120,338	3/4	105,296	3/4	90,249

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 4101"

2 STBD

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	89,935	0	74,888	0	59,841	0	44,811	0	29,782	0	14,737	0		0		0		0	
1/4	89,622	1/4	74,574	1/4	59,527	1/4	44,499	1/4	29,469	1/4	14,424	1/4		1/4		1/4		1/4	
1/2	89,308	1/2	74,261	1/2	59,214	1/2	44,186	1/2	29,155	1/2	14,110	1/2		1/2		1/2		1/2	
3/4	88,995	3/4	73,948	3/4	58,900	3/4	43,874	3/4	28,842	3/4	13,797	3/4		3/4		3/4		3/4	
1	88,681	1	73,634	1	58,587	1	43,561	1	28,529	1	13,483	1		1		1		1	
1/4	88,368	1/4	73,321	1/4	58,273	1/4	43,249	1/4	28,216	1/4	13,170	1/4		1/4		1/4		1/4	
1/2	88,054	1/2	73,007	1/2	57,960	1/2	42,936	1/2	27,902	1/2	12,856	1/2		1/2		1/2		1/2	
3/4	87,741	3/4	72,694	3/4	57,646	3/4	42,623	3/4	27,589	3/4	12,543	3/4		3/4		3/4		3/4	
2	87,427	2	72,380	2	57,333	2	42,311	2	27,276	2	12,229	2		2		2		2	
1/4	87,114	1/4	72,067	1/4	57,019	1/4	41,998	1/4	26,963	1/4	11,916	1/4		1/4		1/4		1/4	
1/2	86,800	1/2	71,753	1/2	56,706	1/2	41,686	1/2	26,649	1/2	11,602	1/2		1/2		1/2		1/2	
3/4	86,487	3/4	71,440	3/4	56,392	3/4	41,373	3/4	26,336	3/4	11,289	3/4		3/4		3/4		3/4	
3	86,173	3	71,126	3	56,079	3	41,061	3	26,022	3	10,975	3		3		3		3	
1/4	85,860	1/4	70,813	1/4	55,766	1/4	40,748	1/4	25,709	1/4	10,662	1/4		1/4		1/4		1/4	
1/2	85,546	1/2	70,499	1/2	55,452	1/2	40,436	1/2	25,395	1/2	10,348	1/2		1/2		1/2		1/2	
3/4	85,233	3/4	70,186	3/4	55,139	3/4	40,123	3/4	25,082	3/4	10,035	3/4		3/4		3/4		3/4	
4	84,919	4	69,872	4	54,825	4	39,811	4	24,768	4	9,721	4		4		4		4	
1/4	84,606	1/4	69,559	1/4	54,512	1/4	39,498	1/4	24,455	1/4	9,408	1/4		1/4		1/4		1/4	
1/2	84,292	1/2	69,245	1/2	54,198	1/2	39,185	1/2	24,142	1/2	9,094	1/2		1/2		1/2		1/2	
3/4	83,979	3/4	68,932	3/4	53,885	3/4	38,872	3/4	23,828	3/4	8,781	3/4		3/4		3/4		3/4	
5	83,665	5	68,618	5	53,571	5	38,559	5	23,515	5	8,467	5		5		5		5	
1/4	83,352	1/4	68,305	1/4	53,258	1/4	38,246	1/4	23,201	1/4	8,154	1/4		1/4		1/4		1/4	
1/2	83,039	1/2	67,991	1/2	52,944	1/2	37,932	1/2	22,888	1/2	7,840	1/2		1/2		1/2		1/2	
3/4	82,725	3/4	67,678	3/4	52,631	3/4	37,619	3/4	22,574	3/4	7,527	3/4		3/4		3/4		3/4	
6	82,412	6	67,364	6	52,317	6	37,305	6	22,261	6	7,213	6		6		6		6	
1/4	82,098	1/4	67,051	1/4	52,004	1/4	36,992	1/4	21,947	1/4	6,900	1/4		1/4		1/4		1/4	
1/2	81,785	1/2	66,737	1/2	51,690	1/2	36,678	1/2	21,634	1/2	6,587	1/2		1/2		1/2		1/2	
3/4	81,471	3/4	66,424	3/4	51,377	3/4	36,365	3/4	21,320	3/4	6,273	3/4		3/4		3/4		3/4	
7	81,158	7	66,110	7	51,064	7	36,052	7	21,007	7	5,960	7		7		7		7	
1/4	80,844	1/4	65,797	1/4	50,751	1/4	35,738	1/4	20,693	1/4	5,646	1/4		1/4		1/4		1/4	
1/2	80,531	1/2	65,483	1/2	50,438	1/2	35,425	1/2	20,380	1/2	5,333	1/2		1/2		1/2		1/2	
3/4	80,217	3/4	65,170	3/4	50,126	3/4	35,111	3/4	20,066	3/4	5,020	3/4		3/4		3/4		3/4	
8	79,904	8	64,857	8	49,813	8	34,798	8	19,753	8	4,707	8		8		8		8	
1/4	79,590	1/4	64,543	1/4	49,500	1/4	34,484	1/4	19,439	1/4	4,393	1/4		1/4		1/4		1/4	
1/2	79,277	1/2	64,230	1/2	49,187	1/2	34,171	1/2	19,126	1/2	4,080	1/2		1/2		1/2		1/2	
3/4	78,963	3/4	63,916	3/4	48,875	3/4	33,857	3/4	18,812	3/4	3,768	3/4		3/4		3/4		3/4	
9	78,650	9	63,603	9	48,562	9	33,544	9	18,499	9	3,456	9		9		9		9	
1/4	78,336	1/4	63,289	1/4	48,250	1/4	33,230	1/4	18,185	1/4	3,144	1/4		1/4		1/4		1/4	
1/2	78,023	1/2	62,976	1/2	47,937	1/2	32,917	1/2	17,872	1/2	2,831	1/2		1/2		1/2		1/2	
3/4	77,709	3/4	62,662	3/4	47,624	3/4	32,603	3/4	17,558	3/4	2,548	3/4		3/4		3/4		3/4	
10	77,396	10	62,349	10	47,312	10	32,290	10	17,245	10	2,264	10		10		10		10	
1/4	77,082	1/4	62,035	1/4	46,999	1/4	31,976	1/4	16,931	1/4	1,980	1/4		1/4		1/4		1/4	
1/2	76,769	1/2	61,722	1/2	46,687	1/2	31,663	1/2	16,618	1/2	1,697	1/2		1/2		1/2		1/2	
3/4	76,455	3/4	61,408	3/4	46,374	3/4	31,349	3/4	16,304	3/4	1,481	3/4		3/4		3/4		3/4	
11	76,142	11	61,095	11	46,062	11	31,036	11	15,991	11	1,266	11		11		11		11	
1/4	75,828	1/4	60,781	1/4	45,749	1/4	30,722	1/4	15,678	1/4	1,050	1/4		1/4		1/4		1/4	
1/2	75,515	1/2	60,468	1/2	45,436	1/2	30,409	1/2	15,364	1/2	835	1/2		1/2		1/2		1/2	
3/4	75,201	3/4	60,154	3/4	45,124	3/4	30,095	3/4	15,051	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/18/2024 CL
CALCULATED: 09/19/2024 CL
PRINTED: 09/19/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2024

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 4101"

3 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	192,810	0	181,534	0	170,346	0	159,127	0	147,908	0	133,707	0	118,752	0	103,792
1/4		1/4		1/4	192,572	1/4	181,301	1/4	170,113	1/4	158,894	1/4	147,676	1/4	133,396	1/4	118,440	1/4	103,480
1/2		1/2		1/2	192,334	1/2	181,068	1/2	169,880	1/2	158,660	1/2	147,443	1/2	133,084	1/2	118,129	1/2	103,168
3/4		3/4		3/4	192,095	3/4	180,834	3/4	169,647	3/4	158,426	3/4	147,210	3/4	132,773	3/4	117,817	3/4	102,856
1		1		1	191,856	1	180,601	1	169,414	1	158,192	1	146,977	1	132,461	1	117,506	1	102,544
1/4		1/4		1/4	191,617	1/4	180,368	1/4	169,181	1/4	157,958	1/4	146,744	1/4	132,149	1/4	117,194	1/4	102,232
1/2		1/2		1/2	191,378	1/2	180,135	1/2	168,948	1/2	157,724	1/2	146,512	1/2	131,838	1/2	116,882	1/2	101,920
3/4		3/4		3/4	191,138	3/4	179,902	3/4	168,714	3/4	157,491	3/4	146,225	3/4	131,526	3/4	116,571	3/4	101,608
2		2		2	190,899	2	179,669	2	168,480	2	157,257	2	145,938	2	131,215	2	116,259	2	101,296
1/4		1/4		1/4	190,660	1/4	179,436	1/4	168,247	1/4	157,023	1/4	145,652	1/4	130,903	1/4	115,948	1/4	100,984
1/2		1/2		1/2	190,421	1/2	179,203	1/2	168,013	1/2	156,789	1/2	145,365	1/2	130,592	1/2	115,636	1/2	100,672
3/4		3/4		3/4	190,182	3/4	178,970	3/4	167,779	3/4	156,555	3/4	145,060	3/4	130,280	3/4	115,325	3/4	100,360
3		3		3	189,943	3	178,737	3	167,545	3	156,321	3	144,756	3	129,968	3	115,013	3	100,048
1/4		1/4		1/4	189,703	1/4	178,504	1/4	167,312	1/4	156,088	1/4	144,451	1/4	129,657	1/4	114,701	1/4	99,736
1/2		1/2		1/2	189,464	1/2	178,271	1/2	167,078	1/2	155,854	1/2	144,146	1/2	129,345	1/2	114,390	1/2	99,424
3/4		3/4		3/4	189,230	3/4	178,038	3/4	166,844	3/4	155,620	3/4	143,842	3/4	129,034	3/4	114,078	3/4	99,112
4		4		4	188,995	4	177,805	4	166,610	4	155,386	4	143,537	4	128,722	4	113,767	4	98,800
1/4		1/4		1/4	188,761	1/4	177,571	1/4	166,376	1/4	155,152	1/4	143,232	1/4	128,411	1/4	113,455	1/4	98,488
1/2		1/2		1/2	188,526	1/2	177,338	1/2	166,142	1/2	154,918	1/2	142,928	1/2	128,099	1/2	113,144	1/2	98,176
3/4		3/4		3/4	188,293	3/4	177,105	3/4	165,909	3/4	154,685	3/4	142,622	3/4	127,787	3/4	112,832	3/4	97,864
5		5		5	188,060	5	176,872	5	165,675	5	154,451	5	142,317	5	127,476	5	112,521	5	97,553
1/4		1/4		1/4	187,827	1/4	176,639	1/4	165,441	1/4	154,217	1/4	142,012	1/4	127,164	1/4	112,209	1/4	97,241
1/2		1/2		1/2	187,594	1/2	176,406	1/2	165,207	1/2	153,983	1/2	141,706	1/2	126,853	1/2	111,897	1/2	96,929
3/4		3/4		3/4	187,361	3/4	176,173	3/4	164,973	3/4	153,749	3/4	141,401	3/4	126,541	3/4	111,586	3/4	96,617
6		6		6	187,127	6	175,940	6	164,739	6	153,515	6	141,095	6	126,230	6	111,274	6	96,306
1/4		1/4		1/4	186,894	1/4	175,707	1/4	164,506	1/4	153,282	1/4	140,790	1/4	125,918	1/4	110,963	1/4	95,994
1/2		1/2		1/2	186,661	1/2	175,474	1/2	164,272	1/2	153,048	1/2	140,484	1/2	125,606	1/2	110,651	1/2	95,682
3/4		3/4		3/4	186,428	3/4	175,241	3/4	164,038	3/4	152,814	3/4	140,178	3/4	125,295	3/4	110,340	3/4	95,370
7		7		7	186,195	7	175,008	7	163,804	7	152,580	7	139,873	7	124,983	7	110,028	7	95,059
1/4		1/4		1/4	185,962	1/4	174,775	1/4	163,570	1/4	152,346	1/4	139,567	1/4	124,672	1/4	109,716	1/4	94,747
1/2		1/2	195,961	1/2	185,729	1/2	174,541	1/2	163,336	1/2	152,112	1/2	139,262	1/2	124,360	1/2	109,405	1/2	94,435
3/4		3/4	195,867	3/4	185,496	3/4	174,308	3/4	163,103	3/4	151,879	3/4	138,956	3/4	124,049	3/4	109,093	3/4	94,123
8		8	195,773	8	185,263	8	174,075	8	162,869	8	151,645	8	138,650	8	123,737	8	108,782	8	93,812
1/4		1/4	195,678	1/4	185,030	1/4	173,842	1/4	162,635	1/4	151,411	1/4	138,345	1/4	123,425	1/4	108,470	1/4	93,500
1/2		1/2	195,584	1/2	184,797	1/2	173,609	1/2	162,401	1/2	151,177	1/2	138,039	1/2	123,114	1/2	108,158	1/2	93,188
3/4		3/4	195,438	3/4	184,564	3/4	173,376	3/4	162,167	3/4	150,943	3/4	137,734	3/4	122,802	3/4	107,847	3/4	92,876
9		9	195,291	9	184,331	9	173,143	9	161,933	9	150,709	9	137,428	9	122,491	9	107,535	9	92,565
1/4		1/4	195,145	1/4	184,098	1/4	172,910	1/4	161,700	1/4	150,476	1/4	137,123	1/4	122,179	1/4	107,223	1/4	92,253
1/2		1/2	194,999	1/2	183,864	1/2	172,677	1/2	161,466	1/2	150,242	1/2	136,817	1/2	121,868	1/2	106,911	1/2	91,941
3/4		3/4	194,800	3/4	183,631	3/4	172,444	3/4	161,232	3/4	150,008	3/4	136,507	3/4	121,556	3/4	106,600	3/4	91,630
10		10	194,602	10	183,398	10	172,211	10	160,998	10	149,774	10	136,197	10	121,244	10	106,288	10	91,318
1/4		1/4	194,404	1/4	183,165	1/4	171,978	1/4	160,764	1/4	149,540	1/4	135,887	1/4	120,933	1/4	105,976	1/4	91,006
1/2		1/2	194,205	1/2	182,932	1/2	171,745	1/2	160,530	1/2	149,306	1/2	135,577	1/2	120,621	1/2	105,664	1/2	90,694
3/4		3/4	193,976	3/4	182,699	3/4	171,512	3/4	160,297	3/4	149,073	3/4	135,265	3/4	120,310	3/4	105,352	3/4	90,383
11		11	193,746	11	182,466	11	171,278	11	160,063	11	148,840	11	134,954	11	119,998	11	105,040	11	90,071
1/4		1/4	193,516	1/4	182,233	1/4	171,045	1/4	159,829	1/4	148,607	1/4	134,642	1/4	119,687	1/4	104,728	1/4	89,759
1/2		1/2	193,286	1/2	182,000	1/2	170,812	1/2	159,595	1/2	148,374	1/2	134,330	1/2	119,375	1/2	104,416	1/2	89,447
3/4		3/4	193,048	3/4	181,767	3/4	170,579	3/4	159,361	3/4	148,141	3/4	134,019	3/4	119,063	3/4	104,104	3/4	89,136

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
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P.O. Box 2092
Pearland, Texas 77588
http://www.pmacorp.net

BARGE "HSM 4101"

3 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	88,824	0	73,872	0	58,976	0	44,445	0	29,667	0	14,688	0		0		0		0	
1/4	88,512	1/4	73,562	1/4	58,669	1/4	44,141	1/4	29,355	1/4	14,375	1/4		1/4		1/4		1/4	
1/2	88,200	1/2	73,252	1/2	58,362	1/2	43,837	1/2	29,043	1/2	14,063	1/2		1/2		1/2		1/2	
3/4	87,888	3/4	72,942	3/4	58,056	3/4	43,532	3/4	28,731	3/4	13,751	3/4		3/4		3/4		3/4	
1	87,577	1	72,632	1	57,751	1	43,227	1	28,419	1	13,439	1		1		1		1	
1/4	87,265	1/4	72,322	1/4	57,446	1/4	42,922	1/4	28,107	1/4	13,127	1/4		1/4		1/4		1/4	
1/2	86,953	1/2	72,012	1/2	57,140	1/2	42,618	1/2	27,796	1/2	12,815	1/2		1/2		1/2		1/2	
3/4	86,641	3/4	71,701	3/4	56,837	3/4	42,313	3/4	27,484	3/4	12,503	3/4		3/4		3/4		3/4	
2	86,328	2	71,391	2	56,534	2	42,008	2	27,172	2	12,191	2		2		2		2	
1/4	86,016	1/4	71,081	1/4	56,231	1/4	41,703	1/4	26,860	1/4	11,879	1/4		1/4		1/4		1/4	
1/2	85,704	1/2	70,771	1/2	55,928	1/2	41,399	1/2	26,548	1/2	11,566	1/2		1/2		1/2		1/2	
3/4	85,392	3/4	70,461	3/4	55,626	3/4	41,094	3/4	26,236	3/4	11,254	3/4		3/4		3/4		3/4	
3	85,080	3	70,151	3	55,324	3	40,789	3	25,924	3	10,941	3		3		3		3	
1/4	84,768	1/4	69,841	1/4	55,021	1/4	40,484	1/4	25,611	1/4	10,629	1/4		1/4		1/4		1/4	
1/2	84,456	1/2	69,531	1/2	54,719	1/2	40,179	1/2	25,299	1/2	10,317	1/2		1/2		1/2		1/2	
3/4	84,144	3/4	69,221	3/4	54,417	3/4	39,875	3/4	24,987	3/4	10,004	3/4		3/4		3/4		3/4	
4	83,832	4	68,911	4	54,115	4	39,570	4	24,675	4	9,691	4		4		4		4	
1/4	83,520	1/4	68,601	1/4	53,812	1/4	39,265	1/4	24,363	1/4	9,379	1/4		1/4		1/4		1/4	
1/2	83,208	1/2	68,291	1/2	53,510	1/2	38,960	1/2	24,051	1/2	9,066	1/2		1/2		1/2		1/2	
3/4	82,896	3/4	67,980	3/4	53,208	3/4	38,655	3/4	23,739	3/4	8,754	3/4		3/4		3/4		3/4	
5	82,584	5	67,670	5	52,906	5	38,351	5	23,427	5	8,441	5		5		5		5	
1/4	82,272	1/4	67,360	1/4	52,603	1/4	38,046	1/4	23,115	1/4	8,129	1/4		1/4		1/4		1/4	
1/2	81,960	1/2	67,050	1/2	52,301	1/2	37,741	1/2	22,802	1/2	7,816	1/2		1/2		1/2		1/2	
3/4	81,648	3/4	66,740	3/4	51,999	3/4	37,436	3/4	22,490	3/4	7,504	3/4		3/4		3/4		3/4	
6	81,336	6	66,430	6	51,697	6	37,132	6	22,178	6	7,192	6		6		6		6	
1/4	81,024	1/4	66,120	1/4	51,394	1/4	36,827	1/4	21,866	1/4	6,879	1/4		1/4		1/4		1/4	
1/2	80,712	1/2	65,810	1/2	51,092	1/2	36,522	1/2	21,554	1/2	6,567	1/2		1/2		1/2		1/2	
3/4	80,400	3/4	65,500	3/4	50,790	3/4	36,212	3/4	21,242	3/4	6,255	3/4		3/4		3/4		3/4	
7	80,087	7	65,190	7	50,488	7	35,903	7	20,930	7	5,943	7		7		7		7	
1/4	79,775	1/4	64,880	1/4	50,185	1/4	35,593	1/4	20,618	1/4	5,630	1/4		1/4		1/4		1/4	
1/2	79,463	1/2	64,570	1/2	49,883	1/2	35,284	1/2	20,306	1/2	5,318	1/2		1/2		1/2		1/2	
3/4	79,151	3/4	64,259	3/4	49,581	3/4	34,972	3/4	19,993	3/4	5,006	3/4		3/4		3/4		3/4	
8	78,839	8	63,949	8	49,279	8	34,660	8	19,681	8	4,693	8		8		8		8	
1/4	78,527	1/4	63,639	1/4	48,976	1/4	34,348	1/4	19,369	1/4	4,381	1/4		1/4		1/4		1/4	
1/2	78,215	1/2	63,329	1/2	48,674	1/2	34,036	1/2	19,057	1/2	4,069	1/2		1/2		1/2		1/2	
3/4	77,905	3/4	63,018	3/4	48,372	3/4	33,724	3/4	18,745	3/4	3,758	3/4		3/4		3/4		3/4	
9	77,594	9	62,707	9	48,070	9	33,412	9	18,433	9	3,446	9		9		9		9	
1/4	77,283	1/4	62,395	1/4	47,767	1/4	33,100	1/4	18,121	1/4	3,135	1/4		1/4		1/4		1/4	
1/2	76,973	1/2	62,084	1/2	47,465	1/2	32,788	1/2	17,809	1/2	2,824	1/2		1/2		1/2		1/2	
3/4	76,663	3/4	61,772	3/4	47,163	3/4	32,476	3/4	17,497	3/4	2,541	3/4		3/4		3/4		3/4	
10	76,353	10	61,460	10	46,862	10	32,164	10	17,184	10	2,258	10		10		10		10	
1/4	76,043	1/4	61,149	1/4	46,560	1/4	31,852	1/4	16,872	1/4	1,975	1/4		1/4		1/4		1/4	
1/2	75,733	1/2	60,837	1/2	46,258	1/2	31,540	1/2	16,560	1/2	1,692	1/2		1/2		1/2		1/2	
3/4	75,422	3/4	60,525	3/4	45,957	3/4	31,228	3/4	16,248	3/4	1,477	3/4		3/4		3/4		3/4	
11	75,112	11	60,213	11	45,656	11	30,915	11	15,936	11	1,262	11		11		11		11	
1/4	74,802	1/4	59,902	1/4	45,354	1/4	30,603	1/4	15,624	1/4	1,047	1/4		1/4		1/4		1/4	
1/2	74,492	1/2	59,590	1/2	45,053	1/2	30,291	1/2	15,312	1/2	832	1/2		1/2		1/2		1/2	
3/4	74,182	3/4	59,283	3/4	44,749	3/4	29,979	3/4	15,000	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/18/2024 CL
CALCULATED: 09/19/2024 CL
PRINTED: 09/19/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2024

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "HSM 4101"

3 STBD

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	193,767	0	182,494	0	171,309	0	160,094	0	148,878	0	134,654	0	119,672	0	104,685
1/4		1/4		1/4	193,529	1/4	182,261	1/4	171,076	1/4	159,860	1/4	148,645	1/4	134,342	1/4	119,360	1/4	104,373
1/2		1/2		1/2	193,291	1/2	182,028	1/2	170,843	1/2	159,626	1/2	148,412	1/2	134,030	1/2	119,048	1/2	104,060
3/4		3/4		3/4	193,052	3/4	181,795	3/4	170,610	3/4	159,393	3/4	148,179	3/4	133,717	3/4	118,736	3/4	103,748
1		1		1	192,813	1	181,562	1	170,377	1	159,159	1	147,947	1	133,405	1	118,423	1	103,435
1/4		1/4		1/4	192,574	1/4	181,329	1/4	170,144	1/4	158,925	1/4	147,714	1/4	133,093	1/4	118,111	1/4	103,123
1/2		1/2		1/2	192,335	1/2	181,096	1/2	169,911	1/2	158,691	1/2	147,481	1/2	132,781	1/2	117,799	1/2	102,810
3/4		3/4		3/4	192,096	3/4	180,863	3/4	169,678	3/4	158,458	3/4	147,194	3/4	132,469	3/4	117,487	3/4	102,498
2		2		2	191,857	2	180,630	2	169,444	2	158,224	2	146,907	2	132,157	2	117,175	2	102,185
1/4		1/4		1/4	191,618	1/4	180,397	1/4	169,211	1/4	157,990	1/4	146,620	1/4	131,845	1/4	116,863	1/4	101,873
1/2		1/2		1/2	191,379	1/2	180,164	1/2	168,977	1/2	157,756	1/2	146,333	1/2	131,533	1/2	116,551	1/2	101,560
3/4		3/4		3/4	191,139	3/4	179,931	3/4	168,743	3/4	157,522	3/4	146,027	3/4	131,221	3/4	116,239	3/4	101,247
3		3		3	190,900	3	179,698	3	168,510	3	157,289	3	145,722	3	130,908	3	115,926	3	100,935
1/4		1/4		1/4	190,661	1/4	179,465	1/4	168,276	1/4	157,055	1/4	145,417	1/4	130,596	1/4	115,614	1/4	100,622
1/2		1/2		1/2	190,422	1/2	179,232	1/2	168,042	1/2	156,821	1/2	145,112	1/2	130,284	1/2	115,302	1/2	100,310
3/4		3/4		3/4	190,188	3/4	178,999	3/4	167,808	3/4	156,587	3/4	144,807	3/4	129,972	3/4	114,990	3/4	99,997
4		4		4	189,953	4	178,766	4	167,574	4	156,354	4	144,501	4	129,660	4	114,678	4	99,685
1/4		1/4		1/4	189,719	1/4	178,533	1/4	167,341	1/4	156,120	1/4	144,196	1/4	129,348	1/4	114,366	1/4	99,372
1/2		1/2		1/2	189,484	1/2	178,300	1/2	167,107	1/2	155,886	1/2	143,891	1/2	129,036	1/2	114,054	1/2	99,060
3/4		3/4		3/4	189,251	3/4	178,067	3/4	166,873	3/4	155,652	3/4	143,585	3/4	128,724	3/4	113,742	3/4	98,747
5		5		5	189,018	5	177,834	5	166,639	5	155,419	5	143,279	5	128,411	5	113,429	5	98,435
1/4		1/4		1/4	188,785	1/4	177,601	1/4	166,406	1/4	155,185	1/4	142,973	1/4	128,099	1/4	113,117	1/4	98,122
1/2		1/2		1/2	188,552	1/2	177,368	1/2	166,172	1/2	154,951	1/2	142,667	1/2	127,787	1/2	112,805	1/2	97,809
3/4		3/4		3/4	188,319	3/4	177,135	3/4	165,938	3/4	154,717	3/4	142,361	3/4	127,475	3/4	112,493	3/4	97,497
6		6		6	188,086	6	176,902	6	165,704	6	154,484	6	142,055	6	127,163	6	112,181	6	97,184
1/4		1/4		1/4	187,853	1/4	176,669	1/4	165,471	1/4	154,250	1/4	141,749	1/4	126,851	1/4	111,869	1/4	96,872
1/2		1/2		1/2	187,620	1/2	176,436	1/2	165,237	1/2	154,016	1/2	141,443	1/2	126,539	1/2	111,557	1/2	96,559
3/4		3/4		3/4	187,387	3/4	176,203	3/4	165,003	3/4	153,782	3/4	141,137	3/4	126,227	3/4	111,245	3/4	96,247
7		7		7	187,154	7	175,970	7	164,769	7	153,548	7	140,831	7	125,914	7	110,932	7	95,934
1/4		1/4		1/4	186,921	1/4	175,737	1/4	164,536	1/4	153,315	1/4	140,524	1/4	125,602	1/4	110,620	1/4	95,622
1/2		1/2	196,917	1/2	186,688	1/2	175,504	1/2	164,302	1/2	153,081	1/2	140,218	1/2	125,290	1/2	110,308	1/2	95,309
3/4		3/4	196,823	3/4	186,455	3/4	175,271	3/4	164,068	3/4	152,847	3/4	139,912	3/4	124,978	3/4	109,996	3/4	94,997
8		8	196,729	8	186,222	8	175,038	8	163,834	8	152,613	8	139,606	8	124,666	8	109,684	8	94,684
1/4		1/4	196,634	1/4	185,989	1/4	174,805	1/4	163,600	1/4	152,380	1/4	139,300	1/4	124,354	1/4	109,372	1/4	94,372
1/2		1/2	196,540	1/2	185,756	1/2	174,572	1/2	163,367	1/2	152,146	1/2	138,994	1/2	124,042	1/2	109,059	1/2	94,059
3/4		3/4	196,394	3/4	185,523	3/4	174,339	3/4	163,133	3/4	151,912	3/4	138,688	3/4	123,730	3/4	108,747	3/4	93,746
9		9	196,248	9	185,290	9	174,106	9	162,899	9	151,678	9	138,381	9	123,417	9	108,435	9	93,434
1/4		1/4	196,101	1/4	185,057	1/4	173,873	1/4	162,665	1/4	151,445	1/4	138,075	1/4	123,105	1/4	108,123	1/4	93,121
1/2		1/2	195,955	1/2	184,824	1/2	173,640	1/2	162,432	1/2	151,211	1/2	137,769	1/2	122,793	1/2	107,810	1/2	92,809
3/4		3/4	195,757	3/4	184,591	3/4	173,407	3/4	162,198	3/4	150,977	3/4	137,458	3/4	122,481	3/4	107,498	3/4	92,496
10		10	195,559	10	184,358	10	173,174	10	161,964	10	150,743	10	137,148	10	122,169	10	107,186	10	92,184
1/4		1/4	195,360	1/4	184,125	1/4	172,941	1/4	161,730	1/4	150,509	1/4	136,837	1/4	121,857	1/4	106,873	1/4	91,871
1/2		1/2	195,162	1/2	183,892	1/2	172,708	1/2	161,497	1/2	150,276	1/2	136,527	1/2	121,545	1/2	106,561	1/2	91,559
3/4		3/4	194,932	3/4	183,659	3/4	172,474	3/4	161,263	3/4	150,043	3/4	136,214	3/4	121,233	3/4	106,248	3/4	91,246
11		11	194,702	11	183,426	11	172,241	11	161,029	11	149,810	11	135,902	11	120,920	11	105,936	11	90,934
1/4		1/4	194,473	1/4	183,193	1/4	172,008	1/4	160,795	1/4	149,577	1/4	135,590	1/4	120,608	1/4	105,623	1/4	90,621
1/2		1/2	194,243	1/2	182,960	1/2	171,775	1/2	160,561	1/2	149,343	1/2	135,278	1/2	120,296	1/2	105,310	1/2	90,309
3/4		3/4	194,005	3/4	182,727	3/4	171,542	3/4	160,328	3/4	149,111	3/4	134,966	3/4	119,984	3/4	104,998	3/4	89,996

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 4101"

3 STBD

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	89,683	0	74,682	0	59,680	0	44,680	0	29,694	0	14,692	0		0		0		0	
1/4	89,371	1/4	74,369	1/4	59,367	1/4	44,368	1/4	29,381	1/4	14,380	1/4		1/4		1/4		1/4	
1/2	89,058	1/2	74,056	1/2	59,055	1/2	44,056	1/2	29,069	1/2	14,067	1/2		1/2		1/2		1/2	
3/4	88,746	3/4	73,744	3/4	58,742	3/4	43,744	3/4	28,756	3/4	13,755	3/4		3/4		3/4		3/4	
1	88,433	1	73,431	1	58,429	1	43,432	1	28,444	1	13,442	1		1		1		1	
1/4	88,121	1/4	73,119	1/4	58,117	1/4	43,120	1/4	28,131	1/4	13,130	1/4		1/4		1/4		1/4	
1/2	87,808	1/2	72,806	1/2	57,804	1/2	42,808	1/2	27,819	1/2	12,817	1/2		1/2		1/2		1/2	
3/4	87,496	3/4	72,494	3/4	57,492	3/4	42,496	3/4	27,506	3/4	12,505	3/4		3/4		3/4		3/4	
2	87,183	2	72,181	2	57,179	2	42,184	2	27,194	2	12,192	2		2		2		2	
1/4	86,871	1/4	71,869	1/4	56,867	1/4	41,872	1/4	26,881	1/4	11,880	1/4		1/4		1/4		1/4	
1/2	86,558	1/2	71,556	1/2	56,554	1/2	41,560	1/2	26,569	1/2	11,567	1/2		1/2		1/2		1/2	
3/4	86,246	3/4	71,244	3/4	56,242	3/4	41,248	3/4	26,256	3/4	11,255	3/4		3/4		3/4		3/4	
3	85,933	3	70,931	3	55,929	3	40,936	3	25,944	3	10,942	3		3		3		3	
1/4	85,620	1/4	70,619	1/4	55,617	1/4	40,624	1/4	25,631	1/4	10,630	1/4		1/4		1/4		1/4	
1/2	85,308	1/2	70,306	1/2	55,304	1/2	40,312	1/2	25,318	1/2	10,317	1/2		1/2		1/2		1/2	
3/4	84,995	3/4	69,993	3/4	54,992	3/4	40,000	3/4	25,006	3/4	10,004	3/4		3/4		3/4		3/4	
4	84,683	4	69,681	4	54,679	4	39,688	4	24,693	4	9,692	4		4		4		4	
1/4	84,370	1/4	69,368	1/4	54,366	1/4	39,376	1/4	24,381	1/4	9,379	1/4		1/4		1/4		1/4	
1/2	84,058	1/2	69,056	1/2	54,054	1/2	39,063	1/2	24,068	1/2	9,067	1/2		1/2		1/2		1/2	
3/4	83,745	3/4	68,743	3/4	53,741	3/4	38,751	3/4	23,756	3/4	8,754	3/4		3/4		3/4		3/4	
5	83,433	5	68,431	5	53,429	5	38,439	5	23,443	5	8,442	5		5		5		5	
1/4	83,120	1/4	68,118	1/4	53,116	1/4	38,127	1/4	23,131	1/4	8,129	1/4		1/4		1/4		1/4	
1/2	82,808	1/2	67,806	1/2	52,804	1/2	37,815	1/2	22,818	1/2	7,817	1/2		1/2		1/2		1/2	
3/4	82,495	3/4	67,493	3/4	52,491	3/4	37,503	3/4	22,506	3/4	7,504	3/4		3/4		3/4		3/4	
6	82,182	6	67,181	6	52,179	6	37,191	6	22,193	6	7,192	6		6		6		6	
1/4	81,870	1/4	66,868	1/4	51,866	1/4	36,879	1/4	21,881	1/4	6,879	1/4		1/4		1/4		1/4	
1/2	81,557	1/2	66,555	1/2	51,554	1/2	36,567	1/2	21,568	1/2	6,567	1/2		1/2		1/2		1/2	
3/4	81,245	3/4	66,243	3/4	51,241	3/4	36,255	3/4	21,256	3/4	6,254	3/4		3/4		3/4		3/4	
7	80,932	7	65,930	7	50,928	7	35,943	7	20,943	7	5,942	7		7		7		7	
1/4	80,620	1/4	65,618	1/4	50,616	1/4	35,631	1/4	20,631	1/4	5,629	1/4		1/4		1/4		1/4	
1/2	80,307	1/2	65,305	1/2	50,303	1/2	35,319	1/2	20,318	1/2	5,317	1/2		1/2		1/2		1/2	
3/4	79,995	3/4	64,993	3/4	49,991	3/4	35,007	3/4	20,005	3/4	5,004	3/4		3/4		3/4		3/4	
8	79,682	8	64,680	8	49,678	8	34,694	8	19,693	8	4,692	8		8		8		8	
1/4	79,370	1/4	64,368	1/4	49,366	1/4	34,382	1/4	19,380	1/4	4,380	1/4		1/4		1/4		1/4	
1/2	79,057	1/2	64,055	1/2	49,053	1/2	34,069	1/2	19,068	1/2	4,068	1/2		1/2		1/2		1/2	
3/4	78,745	3/4	63,743	3/4	48,741	3/4	33,757	3/4	18,755	3/4	3,757	3/4		3/4		3/4		3/4	
9	78,432	9	63,430	9	48,428	9	33,444	9	18,443	9	3,445	9		9		9		9	
1/4	78,119	1/4	63,118	1/4	48,116	1/4	33,132	1/4	18,130	1/4	3,134	1/4		1/4		1/4		1/4	
1/2	77,807	1/2	62,805	1/2	47,803	1/2	32,819	1/2	17,818	1/2	2,823	1/2		1/2		1/2		1/2	
3/4	77,494	3/4	62,492	3/4	47,491	3/4	32,507	3/4	17,505	3/4	2,540	3/4		3/4		3/4		3/4	
10	77,182	10	62,180	10	47,178	10	32,194	10	17,193	10	2,257	10		10		10		10	
1/4	76,869	1/4	61,867	1/4	46,866	1/4	31,882	1/4	16,880	1/4	1,974	1/4		1/4		1/4		1/4	
1/2	76,557	1/2	61,555	1/2	46,554	1/2	31,569	1/2	16,568	1/2	1,692	1/2		1/2		1/2		1/2	
3/4	76,244	3/4	61,242	3/4	46,241	3/4	31,257	3/4	16,255	3/4	1,477	3/4		3/4		3/4		3/4	
11	75,932	11	60,930	11	45,929	11	30,944	11	15,943	11	1,262	11		11		11		11	
1/4	75,619	1/4	60,617	1/4	45,617	1/4	30,631	1/4	15,630	1/4	1,047	1/4		1/4		1/4		1/4	
1/2	75,307	1/2	60,305	1/2	45,305	1/2	30,319	1/2	15,317	1/2	832	1/2		1/2		1/2		1/2	
3/4	74,994	3/4	59,992	3/4	44,993	3/4	30,006	3/4	15,005	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/18/2024 CL
CALCULATED: 09/19/2024 CL
PRINTED: 09/19/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2024

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