



BARGE "HSM 3023"

ULLAGE TRIM TABLE "MMC" GAUGE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 238'-06"

October 14, 2019

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

<http://www.pmacorp.net>



BARGE "HSM 3023"

ULLAGE TRIM TABLE 8" GAUGE HATCH

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 238'-06"

October 14, 2019

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BARGE "HSM 3023"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	199,978	0	184,991	0	169,989	0	154,958	0	139,927	0	124,896	0	109,865	0	94,828
1/4		1/4		1/4	199,666	1/4	184,679	1/4	169,676	1/4	154,645	1/4	139,614	1/4	124,583	1/4	109,552	1/4	94,515
1/2		1/2		1/2	199,354	1/2	184,367	1/2	169,363	1/2	154,332	1/2	139,301	1/2	124,270	1/2	109,239	1/2	94,202
3/4		3/4		3/4	199,042	3/4	184,055	3/4	169,049	3/4	154,018	3/4	138,987	3/4	123,956	3/4	108,925	3/4	93,889
1		1		1	198,730	1	183,743	1	168,736	1	153,705	1	138,674	1	123,643	1	108,612	1	93,575
1/4		1/4		1/4	198,417	1/4	183,430	1/4	168,423	1/4	153,392	1/4	138,361	1/4	123,330	1/4	108,299	1/4	93,262
1/2		1/2		1/2	198,105	1/2	183,118	1/2	168,110	1/2	153,079	1/2	138,048	1/2	123,017	1/2	107,986	1/2	92,949
3/4		3/4		3/4	197,793	3/4	182,806	3/4	167,797	3/4	152,766	3/4	137,735	3/4	122,704	3/4	107,673	3/4	92,635
2		2		2	197,481	2	182,494	2	167,484	2	152,453	2	137,422	2	122,391	2	107,360	2	92,322
1/4		1/4		1/4	211,104	1/4	197,169	1/4	182,181	1/4	167,171	1/4	137,109	1/4	122,078	1/4	107,046	1/4	92,009
1/2		1/2		1/2	210,925	1/2	196,856	1/2	181,869	1/2	166,857	1/2	136,795	1/2	121,764	1/2	106,733	1/2	91,696
3/4		3/4		3/4	210,745	3/4	196,544	3/4	181,557	3/4	166,544	3/4	136,482	3/4	121,451	3/4	106,420	3/4	91,382
3		3		3	210,565	3	196,232	3	181,245	3	166,231	3	136,169	3	121,138	3	106,106	3	91,069
1/4		1/4		1/4	210,385	1/4	195,920	1/4	180,932	1/4	165,918	1/4	135,856	1/4	120,825	1/4	105,793	1/4	90,756
1/2		1/2		1/2	210,154	1/2	195,607	1/2	180,620	1/2	165,605	1/2	135,543	1/2	120,512	1/2	105,480	1/2	90,442
3/4		3/4		3/4	209,922	3/4	195,295	3/4	180,308	3/4	165,292	3/4	135,230	3/4	120,199	3/4	105,167	3/4	90,129
4		4		4	209,690	4	194,983	4	179,996	4	164,978	4	134,917	4	119,886	4	104,853	4	89,816
1/4		1/4		1/4	209,458	1/4	194,671	1/4	179,684	1/4	164,665	1/4	134,603	1/4	119,572	1/4	104,540	1/4	89,503
1/2		1/2		1/2	209,177	1/2	194,358	1/2	179,371	1/2	164,352	1/2	134,290	1/2	119,259	1/2	104,227	1/2	89,189
3/4		3/4		3/4	208,897	3/4	194,046	3/4	179,059	3/4	164,039	3/4	133,977	3/4	118,946	3/4	103,913	3/4	88,876
5		5		5	208,617	5	193,734	5	178,747	5	163,726	5	133,664	5	118,633	5	103,600	5	88,563
1/4		1/4		1/4	208,336	1/4	193,422	1/4	178,435	1/4	163,413	1/4	133,351	1/4	118,320	1/4	103,287	1/4	88,249
1/2		1/2		1/2	208,030	1/2	193,110	1/2	178,122	1/2	163,100	1/2	133,038	1/2	118,007	1/2	102,974	1/2	87,936
3/4		3/4		3/4	207,724	3/4	192,797	3/4	177,810	3/4	162,786	3/4	132,725	3/4	117,694	3/4	102,660	3/4	87,623
6		6		6	207,418	6	192,485	6	177,498	6	162,473	6	132,411	6	117,380	6	102,347	6	87,310
1/4		1/4		1/4	207,112	1/4	192,173	1/4	177,186	1/4	162,160	1/4	132,098	1/4	117,067	1/4	102,034	1/4	86,996
1/2		1/2		1/2	206,803	1/2	191,861	1/2	176,873	1/2	161,847	1/2	131,785	1/2	116,754	1/2	101,721	1/2	86,683
3/4		3/4		3/4	206,493	3/4	191,548	3/4	176,561	3/4	161,534	3/4	131,472	3/4	116,441	3/4	101,407	3/4	86,370
7		7		7	206,183	7	191,236	7	176,249	7	161,221	7	131,159	7	116,128	7	101,094	7	86,056
1/4		1/4		1/4	205,873	1/4	190,924	1/4	175,937	1/4	160,908	1/4	130,846	1/4	115,815	1/4	100,781	1/4	85,743
1/2		1/2		1/2	205,563	1/2	190,612	1/2	175,624	1/2	160,594	1/2	130,532	1/2	115,502	1/2	100,467	1/2	85,430
3/4		3/4		3/4	205,253	3/4	190,299	3/4	175,311	3/4	160,281	3/4	130,219	3/4	115,188	3/4	100,154	3/4	85,117
8		8		8	204,943	8	189,987	8	174,999	8	159,968	8	129,906	8	114,875	8	99,841	8	84,803
1/4		1/4		1/4	204,633	1/4	189,675	1/4	174,686	1/4	159,655	1/4	129,593	1/4	114,562	1/4	99,528	1/4	84,490
1/2		1/2		1/2	204,323	1/2	189,363	1/2	174,373	1/2	159,342	1/2	129,280	1/2	114,249	1/2	99,214	1/2	84,177
3/4		3/4		3/4	204,012	3/4	189,050	3/4	174,060	3/4	159,029	3/4	128,967	3/4	113,936	3/4	98,901	3/4	83,864
9		9		9	203,702	9	188,738	9	173,747	9	158,716	9	128,654	9	113,623	9	98,588	9	83,550
1/4		1/4		1/4	203,392	1/4	188,426	1/4	173,433	1/4	158,402	1/4	128,340	1/4	113,309	1/4	98,274	1/4	83,237
1/2		1/2		1/2	203,082	1/2	188,114	1/2	173,120	1/2	158,089	1/2	128,027	1/2	112,996	1/2	97,961	1/2	82,924
3/4		3/4		3/4	202,772	3/4	187,802	3/4	172,807	3/4	157,776	3/4	127,714	3/4	112,683	3/4	97,648	3/4	82,610
10		10		10	202,462	10	187,489	10	172,494	10	157,463	10	127,401	10	112,370	10	97,335	10	82,297
1/4		1/4		1/4	202,151	1/4	187,177	1/4	172,181	1/4	157,150	1/4	127,088	1/4	112,057	1/4	97,021	1/4	81,984
1/2		1/2		1/2	201,841	1/2	186,865	1/2	171,868	1/2	156,837	1/2	126,775	1/2	111,744	1/2	96,708	1/2	81,671
3/4		3/4		3/4	201,531	3/4	186,553	3/4	171,555	3/4	156,524	3/4	126,462	3/4	111,431	3/4	96,395	3/4	81,357
11		11		11	201,221	11	186,240	11	171,241	11	156,210	11	126,148	11	111,117	11	96,081	11	81,044
1/4		1/4		1/4	200,911	1/4	185,928	1/4	170,928	1/4	155,897	1/4	125,835	1/4	110,804	1/4	95,768	1/4	80,731
1/2		1/2		1/2	200,600	1/2	185,616	1/2	170,615	1/2	155,584	1/2	125,522	1/2	110,491	1/2	95,455	1/2	80,417
3/4		3/4		3/4	200,289	3/4	185,304	3/4	170,302	3/4	155,271	3/4	125,209	3/4	110,178	3/4	95,142	3/4	80,104

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 THREADS ON "MMC" VALVE OR 8" HATCH.

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

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

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1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	79,791	0	64,754	0	49,816	0	34,784	0	19,747	0	5,523	0		0		0		0	
1/4	79,478	1/4	64,441	1/4	49,504	1/4	34,470	1/4	19,433	1/4	5,248	1/4		1/4		1/4		1/4	
1/2	79,164	1/2	64,129	1/2	49,192	1/2	34,157	1/2	19,120	1/2	4,978	1/2		1/2		1/2		1/2	
3/4	78,851	3/4	63,817	3/4	48,879	3/4	33,844	3/4	18,807	3/4	4,707	3/4		3/4		3/4		3/4	
1	78,538	1	63,505	1	48,567	1	33,530	1	18,493	1	4,436	1		1		1		1	
1/4	78,224	1/4	63,193	1/4	48,254	1/4	33,217	1/4	18,180	1/4	4,165	1/4		1/4		1/4		1/4	
1/2	77,911	1/2	62,882	1/2	47,941	1/2	32,904	1/2	17,868	1/2	3,898	1/2		1/2		1/2		1/2	
3/4	77,598	3/4	62,571	3/4	47,628	3/4	32,591	3/4	17,556	3/4	3,632	3/4		3/4		3/4		3/4	
2	77,285	2	62,259	2	47,314	2	32,277	2	17,243	2	3,365	2		2		2		2	
1/4	76,971	1/4	61,948	1/4	47,001	1/4	31,964	1/4	16,931	1/4	3,098	1/4		1/4		1/4		1/4	
1/2	76,658	1/2	61,637	1/2	46,688	1/2	31,651	1/2	16,622	1/2	2,836	1/2		1/2		1/2		1/2	
3/4	76,345	3/4	61,326	3/4	46,375	3/4	31,338	3/4	16,312	3/4	2,574	3/4		3/4		3/4		3/4	
3	76,031	3	61,015	3	46,061	3	31,024	3	16,003	3	2,312	3		3		3		3	
1/4	75,718	1/4	60,705	1/4	45,748	1/4	30,711	1/4	15,693	1/4	2,050	1/4		1/4		1/4		1/4	
1/2	75,405	1/2	60,394	1/2	45,435	1/2	30,398	1/2	15,388	1/2	1,811	1/2		1/2		1/2		1/2	
3/4	75,092	3/4	60,083	3/4	45,122	3/4	30,084	3/4	15,082	3/4	1,572	3/4		3/4		3/4		3/4	
4	74,778	4	59,772	4	44,808	4	29,771	4	14,777	4	1,333	4		4		4		4	
1/4	74,465	1/4	59,461	1/4	44,495	1/4	29,458	1/4	14,471	1/4	1,094	1/4		1/4		1/4		1/4	
1/2	74,152	1/2	59,150	1/2	44,182	1/2	29,145	1/2	14,169	1/2	917	1/2		1/2		1/2		1/2	
3/4	73,839	3/4	58,839	3/4	43,868	3/4	28,831	3/4	13,868	3/4	740	3/4		3/4		3/4		3/4	
5	73,525	5	58,528	5	43,555	5	28,518	5	13,566	5	563	5		5		5		5	
1/4	73,212	1/4	58,217	1/4	43,242	1/4	28,205	1/4	13,264	1/4	386	1/4		1/4		1/4		1/4	
1/2	72,899	1/2	57,906	1/2	42,929	1/2	27,892	1/2	12,966	1/2		1/2		1/2		1/2		1/2	
3/4	72,585	3/4	57,595	3/4	42,615	3/4	27,578	3/4	12,669	3/4		3/4		3/4		3/4		3/4	
6	72,272	6	57,285	6	42,302	6	27,265	6	12,371	6		6		6		6		6	
1/4	71,959	1/4	56,974	1/4	41,989	1/4	26,952	1/4	12,073	1/4		1/4		1/4		1/4		1/4	
1/2	71,646	1/2	56,663	1/2	41,676	1/2	26,638	1/2	11,779	1/2		1/2		1/2		1/2		1/2	
3/4	71,332	3/4	56,352	3/4	41,362	3/4	26,325	3/4	11,485	3/4		3/4		3/4		3/4		3/4	
7	71,019	7	56,041	7	41,049	7	26,012	7	11,191	7		7		7		7		7	
1/4	70,706	1/4	55,730	1/4	40,736	1/4	25,699	1/4	10,897	1/4		1/4		1/4		1/4		1/4	
1/2	70,392	1/2	55,419	1/2	40,422	1/2	25,385	1/2	10,607	1/2		1/2		1/2		1/2		1/2	
3/4	70,079	3/4	55,108	3/4	40,109	3/4	25,072	3/4	10,317	3/4		3/4		3/4		3/4		3/4	
8	69,766	8	54,797	8	39,796	8	24,759	8	10,026	8		8		8		8		8	
1/4	69,453	1/4	54,486	1/4	39,483	1/4	24,446	1/4	9,736	1/4		1/4		1/4		1/4		1/4	
1/2	69,139	1/2	54,175	1/2	39,169	1/2	24,132	1/2	9,450	1/2		1/2		1/2		1/2		1/2	
3/4	68,826	3/4	53,865	3/4	38,856	3/4	23,819	3/4	9,164	3/4		3/4		3/4		3/4		3/4	
9	68,513	9	53,554	9	38,543	9	23,506	9	8,878	9		9		9		9		9	
1/4	68,199	1/4	53,243	1/4	38,230	1/4	23,192	1/4	8,591	1/4		1/4		1/4		1/4		1/4	
1/2	67,886	1/2	52,932	1/2	37,916	1/2	22,879	1/2	8,309	1/2		1/2		1/2		1/2		1/2	
3/4	67,573	3/4	52,620	3/4	37,603	3/4	22,566	3/4	8,026	3/4		3/4		3/4		3/4		3/4	
10	67,260	10	52,309	10	37,290	10	22,253	10	7,744	10		10		10		10		10	
1/4	66,946	1/4	51,998	1/4	36,976	1/4	21,939	1/4	7,462	1/4		1/4		1/4		1/4		1/4	
1/2	66,633	1/2	51,687	1/2	36,663	1/2	21,626	1/2	7,183	1/2		1/2		1/2		1/2		1/2	
3/4	66,320	3/4	51,375	3/4	36,350	3/4	21,313	3/4	6,904	3/4		3/4		3/4		3/4		3/4	
11	66,006	11	51,063	11	36,037	11	21,000	11	6,626	11		11		11		11		11	
1/4	65,693	1/4	50,752	1/4	35,723	1/4	20,686	1/4	6,347	1/4		1/4		1/4		1/4		1/4	
1/2	65,380	1/2	50,440	1/2	35,410	1/2	20,373	1/2	6,073	1/2		1/2		1/2		1/2		1/2	
3/4	65,067	3/4	50,128	3/4	35,097	3/4	20,060	3/4	5,798	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/14/2019 CL
CALCULATED: 10/14/2019 CL
PRINTED: 10/14/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019

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



BARGE "HSM 3023"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	199,785	0	184,796	0	169,791	0	154,758	0	139,725	0	124,693	0	109,660	0	94,622
1/4		1/4		1/4	199,473	1/4	184,484	1/4	169,478	1/4	154,445	1/4	139,412	1/4	124,380	1/4	109,347	1/4	94,309
1/2		1/2		1/2	199,161	1/2	184,172	1/2	169,164	1/2	154,132	1/2	139,099	1/2	124,066	1/2	109,034	1/2	93,995
3/4		3/4		3/4	198,848	3/4	183,859	3/4	168,851	3/4	153,819	3/4	138,786	3/4	123,753	3/4	108,721	3/4	93,682
1		1		1	198,536	1	183,547	1	168,538	1	153,505	1	138,473	1	123,440	1	108,408	1	93,369
1/4		1/4		1/4	198,224	1/4	183,235	1/4	168,225	1/4	153,192	1/4	138,159	1/4	123,127	1/4	108,094	1/4	93,055
1/2		1/2		1/2	197,911	1/2	182,923	1/2	167,912	1/2	152,879	1/2	137,846	1/2	122,814	1/2	107,781	1/2	92,742
3/4		3/4		3/4	197,599	3/4	182,610	3/4	167,599	3/4	152,566	3/4	137,533	3/4	122,501	3/4	107,468	3/4	92,429
2		2	211,224	2	197,287	2	182,298	2	167,285	2	152,253	2	137,220	2	122,187	2	107,155	2	92,116
1/4		1/4	211,045	1/4	196,975	1/4	181,986	1/4	166,972	1/4	151,939	1/4	136,907	1/4	121,874	1/4	106,841	1/4	91,802
1/2		1/2	210,865	1/2	196,662	1/2	181,673	1/2	166,659	1/2	151,626	1/2	136,593	1/2	121,561	1/2	106,528	1/2	91,489
3/4		3/4	210,685	3/4	196,350	3/4	181,361	3/4	166,346	3/4	151,313	3/4	136,280	3/4	121,248	3/4	106,215	3/4	91,176
3		3	210,505	3	196,038	3	181,049	3	166,033	3	151,000	3	135,967	3	120,935	3	105,901	3	90,862
1/4		1/4	210,273	1/4	195,726	1/4	180,737	1/4	165,719	1/4	150,687	1/4	135,654	1/4	120,621	1/4	105,588	1/4	90,549
1/2		1/2	210,042	1/2	195,413	1/2	180,424	1/2	165,406	1/2	150,374	1/2	135,341	1/2	120,308	1/2	105,275	1/2	90,236
3/4		3/4	209,810	3/4	195,101	3/4	180,112	3/4	165,093	3/4	150,060	3/4	135,028	3/4	119,995	3/4	104,961	3/4	89,922
4		4	209,578	4	194,789	4	179,800	4	164,780	4	149,747	4	134,714	4	119,682	4	104,648	4	89,609
1/4		1/4	209,297	1/4	194,477	1/4	179,488	1/4	164,467	1/4	149,434	1/4	134,401	1/4	119,369	1/4	104,335	1/4	89,296
1/2		1/2	209,017	1/2	194,164	1/2	179,175	1/2	164,154	1/2	149,121	1/2	134,088	1/2	119,056	1/2	104,021	1/2	88,982
3/4		3/4	208,737	3/4	193,852	3/4	178,863	3/4	163,840	3/4	148,808	3/4	133,775	3/4	118,742	3/4	103,708	3/4	88,669
5		5	208,456	5	193,540	5	178,551	5	163,527	5	148,494	5	133,462	5	118,429	5	103,395	5	88,356
1/4		1/4	208,150	1/4	193,227	1/4	178,239	1/4	163,214	1/4	148,181	1/4	133,149	1/4	118,116	1/4	103,082	1/4	88,042
1/2		1/2	207,844	1/2	192,915	1/2	177,926	1/2	162,901	1/2	147,868	1/2	132,835	1/2	117,803	1/2	102,768	1/2	87,729
3/4		3/4	207,538	3/4	192,603	3/4	177,614	3/4	162,588	3/4	147,555	3/4	132,522	3/4	117,490	3/4	102,455	3/4	87,416
6		6	207,232	6	192,291	6	177,302	6	162,274	6	147,242	6	132,209	6	117,177	6	102,142	6	87,103
1/4		1/4	206,922	1/4	191,978	1/4	176,989	1/4	161,961	1/4	146,929	1/4	131,896	1/4	116,863	1/4	101,828	1/4	86,789
1/2		1/2	206,612	1/2	191,666	1/2	176,677	1/2	161,648	1/2	146,615	1/2	131,583	1/2	116,550	1/2	101,515	1/2	86,476
3/4		3/4	206,303	3/4	191,354	3/4	176,365	3/4	161,335	3/4	146,302	3/4	131,269	3/4	116,237	3/4	101,202	3/4	86,163
7		7	205,993	7	191,042	7	176,053	7	161,022	7	145,989	7	130,956	7	115,924	7	100,888	7	85,849
1/4		1/4	205,683	1/4	190,729	1/4	175,740	1/4	160,709	1/4	145,676	1/4	130,643	1/4	115,611	1/4	100,575	1/4	85,536
1/2		1/2	205,373	1/2	190,417	1/2	175,427	1/2	160,395	1/2	145,363	1/2	130,330	1/2	115,297	1/2	100,262	1/2	85,223
3/4		3/4	205,062	3/4	190,105	3/4	175,114	3/4	160,082	3/4	145,049	3/4	130,017	3/4	114,984	3/4	99,948	3/4	84,909
8		8	204,752	8	189,792	8	174,802	8	159,769	8	144,736	8	129,704	8	114,671	8	99,635	8	84,596
1/4		1/4	204,442	1/4	189,480	1/4	174,489	1/4	159,456	1/4	144,423	1/4	129,390	1/4	114,358	1/4	99,322	1/4	84,283
1/2		1/2	204,132	1/2	189,168	1/2	174,175	1/2	159,143	1/2	144,110	1/2	129,077	1/2	114,045	1/2	99,008	1/2	83,969
3/4		3/4	203,821	3/4	188,856	3/4	173,862	3/4	158,829	3/4	143,797	3/4	128,764	3/4	113,732	3/4	98,695	3/4	83,656
9		9	203,511	9	188,543	9	173,549	9	158,516	9	143,484	9	128,451	9	113,418	9	98,382	9	83,343
1/4		1/4	203,201	1/4	188,231	1/4	173,236	1/4	158,203	1/4	143,170	1/4	128,138	1/4	113,105	1/4	98,068	1/4	83,029
1/2		1/2	202,891	1/2	187,919	1/2	172,923	1/2	157,890	1/2	142,857	1/2	127,825	1/2	112,792	1/2	97,755	1/2	82,716
3/4		3/4	202,581	3/4	187,607	3/4	172,609	3/4	157,577	3/4	142,544	3/4	127,511	3/4	112,479	3/4	97,442	3/4	82,403
10		10	202,270	10	187,294	10	172,296	10	157,264	10	142,231	10	127,198	10	112,166	10	97,129	10	82,090
1/4		1/4	201,960	1/4	186,982	1/4	171,983	1/4	156,950	1/4	141,918	1/4	126,885	1/4	111,852	1/4	96,815	1/4	81,776
1/2		1/2	201,650	1/2	186,670	1/2	171,670	1/2	156,637	1/2	141,604	1/2	126,572	1/2	111,539	1/2	96,502	1/2	81,463
3/4		3/4	201,340	3/4	186,358	3/4	171,357	3/4	156,324	3/4	141,291	3/4	126,259	3/4	111,226	3/4	96,189	3/4	81,150
11		11	201,030	11	186,045	11	171,044	11	156,011	11	140,978	11	125,945	11	110,913	11	95,875	11	80,836
1/4		1/4	200,719	1/4	185,733	1/4	170,730	1/4	155,698	1/4	140,665	1/4	125,632	1/4	110,600	1/4	95,562	1/4	80,523
1/2		1/2	200,407	1/2	185,421	1/2	170,417	1/2	155,384	1/2	140,352	1/2	125,319	1/2	110,287	1/2	95,249	1/2	80,210
3/4		3/4	200,096	3/4	185,108	3/4	170,104	3/4	155,071	3/4	140,038	3/4	125,006	3/4	109,973	3/4	94,935	3/4	79,896

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "HSM 3023"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	79,583	0	64,544	0	49,512	0	34,474	0	19,435	0	5,249	0		0		0		0	
1/4	79,270	1/4	64,231	1/4	49,199	1/4	34,161	1/4	19,122	1/4	4,978	1/4		1/4		1/4		1/4	
1/2	78,956	1/2	63,917	1/2	48,886	1/2	33,847	1/2	18,809	1/2	4,707	1/2		1/2		1/2		1/2	
3/4	78,643	3/4	63,604	3/4	48,573	3/4	33,534	3/4	18,495	3/4	4,437	3/4		3/4		3/4		3/4	
1	78,330	1	63,291	1	48,259	1	33,221	1	18,182	1	4,166	1		1		1		1	
1/4	78,016	1/4	62,978	1/4	47,946	1/4	32,907	1/4	17,870	1/4	3,899	1/4		1/4		1/4		1/4	
1/2	77,703	1/2	62,664	1/2	47,633	1/2	32,594	1/2	17,557	1/2	3,632	1/2		1/2		1/2		1/2	
3/4	77,390	3/4	62,351	3/4	47,319	3/4	32,281	3/4	17,245	3/4	3,365	3/4		3/4		3/4		3/4	
2	77,077	2	62,038	2	47,006	2	31,967	2	16,933	2	3,099	2		2		2		2	
1/4	76,763	1/4	61,725	1/4	46,693	1/4	31,654	1/4	16,623	1/4	2,836	1/4		1/4		1/4		1/4	
1/2	76,450	1/2	61,411	1/2	46,379	1/2	31,341	1/2	16,314	1/2	2,574	1/2		1/2		1/2		1/2	
3/4	76,137	3/4	61,098	3/4	46,066	3/4	31,028	3/4	16,004	3/4	2,312	3/4		3/4		3/4		3/4	
3	75,823	3	60,785	3	45,753	3	30,714	3	15,695	3	2,050	3		3		3		3	
1/4	75,510	1/4	60,472	1/4	45,439	1/4	30,401	1/4	15,389	1/4	1,811	1/4		1/4		1/4		1/4	
1/2	75,197	1/2	60,159	1/2	45,126	1/2	30,088	1/2	15,084	1/2	1,572	1/2		1/2		1/2		1/2	
3/4	74,883	3/4	59,846	3/4	44,813	3/4	29,774	3/4	14,778	3/4	1,333	3/4		3/4		3/4		3/4	
4	74,570	4	59,533	4	44,500	4	29,461	4	14,473	4	1,094	4		4		4		4	
1/4	74,257	1/4	59,220	1/4	44,186	1/4	29,148	1/4	14,171	1/4	917	1/4		1/4		1/4		1/4	
1/2	73,943	1/2	58,907	1/2	43,873	1/2	28,834	1/2	13,869	1/2	740	1/2		1/2		1/2		1/2	
3/4	73,630	3/4	58,594	3/4	43,560	3/4	28,521	3/4	13,567	3/4	563	3/4		3/4		3/4		3/4	
5	73,317	5	58,281	5	43,246	5	28,208	5	13,266	5	386	5		5		5		5	
1/4	73,003	1/4	57,967	1/4	42,933	1/4	27,895	1/4	12,968	1/4		1/4		1/4		1/4		1/4	
1/2	72,690	1/2	57,654	1/2	42,620	1/2	27,581	1/2	12,670	1/2		1/2		1/2		1/2		1/2	
3/4	72,377	3/4	57,341	3/4	42,306	3/4	27,268	3/4	12,372	3/4		3/4		3/4		3/4		3/4	
6	72,064	6	57,028	6	41,993	6	26,955	6	12,074	6		6		6		6		6	
1/4	71,750	1/4	56,715	1/4	41,680	1/4	26,641	1/4	11,780	1/4		1/4		1/4		1/4		1/4	
1/2	71,437	1/2	56,402	1/2	41,367	1/2	26,328	1/2	11,486	1/2		1/2		1/2		1/2		1/2	
3/4	71,124	3/4	56,089	3/4	41,053	3/4	26,015	3/4	11,192	3/4		3/4		3/4		3/4		3/4	
7	70,810	7	55,776	7	40,740	7	25,701	7	10,898	7		7		7		7		7	
1/4	70,497	1/4	55,463	1/4	40,427	1/4	25,388	1/4	10,608	1/4		1/4		1/4		1/4		1/4	
1/2	70,184	1/2	55,150	1/2	40,113	1/2	25,075	1/2	10,318	1/2		1/2		1/2		1/2		1/2	
3/4	69,870	3/4	54,837	3/4	39,800	3/4	24,761	3/4	10,028	3/4		3/4		3/4		3/4		3/4	
8	69,557	8	54,524	8	39,487	8	24,448	8	9,737	8		8		8		8		8	
1/4	69,244	1/4	54,210	1/4	39,173	1/4	24,135	1/4	9,451	1/4		1/4		1/4		1/4		1/4	
1/2	68,930	1/2	53,897	1/2	38,860	1/2	23,822	1/2	9,165	1/2		1/2		1/2		1/2		1/2	
3/4	68,617	3/4	53,584	3/4	38,547	3/4	23,508	3/4	8,879	3/4		3/4		3/4		3/4		3/4	
9	68,304	9	53,271	9	38,234	9	23,195	9	8,592	9		9		9		9		9	
1/4	67,990	1/4	52,958	1/4	37,920	1/4	22,882	1/4	8,310	1/4		1/4		1/4		1/4		1/4	
1/2	67,677	1/2	52,645	1/2	37,607	1/2	22,568	1/2	8,027	1/2		1/2		1/2		1/2		1/2	
3/4	67,364	3/4	52,332	3/4	37,294	3/4	22,255	3/4	7,745	3/4		3/4		3/4		3/4		3/4	
10	67,051	10	52,019	10	36,980	10	21,942	10	7,462	10		10		10		10		10	
1/4	66,737	1/4	51,705	1/4	36,667	1/4	21,628	1/4	7,184	1/4		1/4		1/4		1/4		1/4	
1/2	66,424	1/2	51,392	1/2	36,354	1/2	21,315	1/2	6,905	1/2		1/2		1/2		1/2		1/2	
3/4	66,111	3/4	51,079	3/4	36,040	3/4	21,002	3/4	6,627	3/4		3/4		3/4		3/4		3/4	
11	65,797	11	50,766	11	35,727	11	20,689	11	6,348	11		11		11		11		11	
1/4	65,484	1/4	50,452	1/4	35,414	1/4	20,375	1/4	6,073	1/4		1/4		1/4		1/4		1/4	
1/2	65,171	1/2	50,139	1/2	35,100	1/2	20,062	1/2	5,799	1/2		1/2		1/2		1/2		1/2	
3/4	64,857	3/4	49,826	3/4	34,787	3/4	19,749	3/4	5,524	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/14/2019 CL
CALCULATED: 10/14/2019 CL
PRINTED: 10/14/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "HSM 3023"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	202,050	0	187,049	0	172,028	0	156,972	0	141,917	0	126,861	0	111,806	0	96,744
1/4		1/4		1/4	201,739	1/4	186,737	1/4	171,714	1/4	156,659	1/4	141,603	1/4	126,548	1/4	111,492	1/4	96,430
1/2		1/2		1/2	201,428	1/2	186,424	1/2	171,400	1/2	156,345	1/2	141,290	1/2	126,234	1/2	111,179	1/2	96,117
3/4		3/4		3/4	201,116	3/4	186,111	3/4	171,087	3/4	156,031	3/4	140,976	3/4	125,920	3/4	110,865	3/4	95,803
1		1		1	200,803	1	185,799	1	170,773	1	155,718	1	140,662	1	125,607	1	110,551	1	95,489
1/4		1/4		1/4	200,491	1/4	185,486	1/4	170,460	1/4	155,404	1/4	140,349	1/4	125,293	1/4	110,238	1/4	95,175
1/2		1/2		1/2	200,178	1/2	185,174	1/2	170,146	1/2	155,090	1/2	140,035	1/2	124,979	1/2	109,924	1/2	94,861
3/4		3/4		3/4	199,865	3/4	184,861	3/4	169,832	3/4	154,777	3/4	139,721	3/4	124,666	3/4	109,610	3/4	94,548
2		2		2	199,553	2	184,548	2	169,519	2	154,463	2	139,408	2	124,352	2	109,297	2	94,234
1/4		1/4		1/4	199,240	1/4	184,236	1/4	169,205	1/4	154,149	1/4	139,094	1/4	124,039	1/4	108,983	1/4	93,920
1/2		1/2	212,843	1/2	198,928	1/2	183,923	1/2	168,891	1/2	153,836	1/2	138,780	1/2	123,725	1/2	108,669	1/2	93,606
3/4		3/4	212,664	3/4	198,615	3/4	183,611	3/4	168,578	3/4	153,522	3/4	138,467	3/4	123,411	3/4	108,355	3/4	93,292
3		3	212,485	3	198,302	3	183,298	3	168,264	3	153,208	3	138,153	3	123,098	3	108,041	3	92,978
1/4		1/4	212,307	1/4	197,990	1/4	182,985	1/4	167,950	1/4	152,895	1/4	137,839	1/4	122,784	1/4	107,728	1/4	92,665
1/2		1/2	212,128	1/2	197,677	1/2	182,673	1/2	167,637	1/2	152,581	1/2	137,526	1/2	122,470	1/2	107,414	1/2	92,351
3/4		3/4	211,896	3/4	197,365	3/4	182,360	3/4	167,323	3/4	152,267	3/4	137,212	3/4	122,157	3/4	107,100	3/4	92,037
4		4	211,665	4	197,052	4	182,048	4	167,009	4	151,954	4	136,898	4	121,843	4	106,786	4	91,723
1/4		1/4	211,434	1/4	196,739	1/4	181,735	1/4	166,696	1/4	151,640	1/4	136,585	1/4	121,529	1/4	106,472	1/4	91,409
1/2		1/2	211,203	1/2	196,427	1/2	181,423	1/2	166,382	1/2	151,327	1/2	136,271	1/2	121,216	1/2	106,159	1/2	91,096
3/4		3/4	210,923	3/4	196,114	3/4	181,110	3/4	166,068	3/4	151,013	3/4	135,957	3/4	120,902	3/4	105,845	3/4	90,782
5		5	210,643	5	195,802	5	180,797	5	165,755	5	150,699	5	135,644	5	120,588	5	105,531	5	90,468
1/4		1/4	210,364	1/4	195,489	1/4	180,485	1/4	165,441	1/4	150,386	1/4	135,330	1/4	120,275	1/4	105,217	1/4	90,154
1/2		1/2	210,084	1/2	195,177	1/2	180,172	1/2	165,127	1/2	150,072	1/2	135,016	1/2	119,961	1/2	104,903	1/2	89,840
3/4		3/4	209,779	3/4	194,864	3/4	179,860	3/4	164,814	3/4	149,758	3/4	134,703	3/4	119,647	3/4	104,590	3/4	89,527
6		6	209,473	6	194,551	6	179,547	6	164,500	6	149,445	6	134,389	6	119,334	6	104,276	6	89,213
1/4		1/4	209,168	1/4	194,239	1/4	179,234	1/4	164,186	1/4	149,131	1/4	134,075	1/4	119,020	1/4	103,962	1/4	88,899
1/2		1/2	208,862	1/2	193,926	1/2	178,922	1/2	163,873	1/2	148,817	1/2	133,762	1/2	118,706	1/2	103,648	1/2	88,585
3/4		3/4	208,553	3/4	193,614	3/4	178,609	3/4	163,559	3/4	148,504	3/4	133,448	3/4	118,393	3/4	103,334	3/4	88,271
7		7	208,244	7	193,301	7	178,297	7	163,245	7	148,190	7	133,135	7	118,079	7	103,020	7	87,957
1/4		1/4	207,935	1/4	192,988	1/4	177,984	1/4	162,932	1/4	147,876	1/4	132,821	1/4	117,765	1/4	102,707	1/4	87,644
1/2		1/2	207,626	1/2	192,676	1/2	177,671	1/2	162,618	1/2	147,563	1/2	132,507	1/2	117,452	1/2	102,393	1/2	87,330
3/4		3/4	207,316	3/4	192,363	3/4	177,358	3/4	162,304	3/4	147,249	3/4	132,194	3/4	117,138	3/4	102,079	3/4	87,016
8		8	207,006	8	192,051	8	177,045	8	161,991	8	146,935	8	131,880	8	116,824	8	101,765	8	86,702
1/4		1/4	206,697	1/4	191,738	1/4	176,732	1/4	161,677	1/4	146,622	1/4	131,566	1/4	116,511	1/4	101,451	1/4	86,388
1/2		1/2	206,387	1/2	191,425	1/2	176,419	1/2	161,364	1/2	146,308	1/2	131,253	1/2	116,197	1/2	101,138	1/2	86,075
3/4		3/4	206,078	3/4	191,113	3/4	176,105	3/4	161,050	3/4	145,994	3/4	130,939	3/4	115,883	3/4	100,824	3/4	85,761
9		9	205,768	9	190,800	9	175,792	9	160,736	9	145,681	9	130,625	9	115,570	9	100,510	9	85,447
1/4		1/4	205,458	1/4	190,488	1/4	175,478	1/4	160,423	1/4	145,367	1/4	130,312	1/4	115,256	1/4	100,196	1/4	85,133
1/2		1/2	205,149	1/2	190,175	1/2	175,164	1/2	160,109	1/2	145,053	1/2	129,998	1/2	114,943	1/2	99,882	1/2	84,819
3/4		3/4	204,839	3/4	189,862	3/4	174,851	3/4	159,795	3/4	144,740	3/4	129,684	3/4	114,629	3/4	99,569	3/4	84,506
10		10	204,530	10	189,550	10	174,537	10	159,482	10	144,426	10	129,371	10	114,315	10	99,255	10	84,192
1/4		1/4	204,220	1/4	189,237	1/4	174,223	1/4	159,168	1/4	144,112	1/4	129,057	1/4	114,002	1/4	98,941	1/4	83,878
1/2		1/2	203,910	1/2	188,925	1/2	173,910	1/2	158,854	1/2	143,799	1/2	128,743	1/2	113,688	1/2	98,627	1/2	83,564
3/4		3/4	203,601	3/4	188,612	3/4	173,596	3/4	158,541	3/4	143,485	3/4	128,430	3/4	113,374	3/4	98,313	3/4	83,250
11		11	203,291	11	188,300	11	173,282	11	158,227	11	143,171	11	128,116	11	113,061	11	97,999	11	82,936
1/4		1/4	202,982	1/4	187,987	1/4	172,969	1/4	157,913	1/4	142,858	1/4	127,802	1/4	112,747	1/4	97,686	1/4	82,623
1/2		1/2	202,673	1/2	187,674	1/2	172,655	1/2	157,600	1/2	142,544	1/2	127,489	1/2	112,433	1/2	97,372	1/2	82,309
3/4		3/4	202,361	3/4	187,362	3/4	172,341	3/4	157,286	3/4	142,231	3/4	127,175	3/4	112,120	3/4	97,058	3/4	81,995

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 THREADS ON "MMC" VALVE OR 8" HATCH.

GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 41'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HSM 3023"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 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	81,681	0	66,618	0	52,073	0	37,610	0	22,597	0	7,534	0		0		0		0	
1/4	81,367	1/4	66,304	1/4	51,771	1/4	37,308	1/4	22,283	1/4	7,221	1/4		1/4		1/4		1/4	
1/2	81,054	1/2	65,991	1/2	51,469	1/2	37,006	1/2	21,969	1/2	6,907	1/2		1/2		1/2		1/2	
3/4	80,740	3/4	65,683	3/4	51,167	3/4	36,698	3/4	21,656	3/4	6,593	3/4		3/4		3/4		3/4	
1	80,426	1	65,375	1	50,865	1	36,390	1	21,342	1	6,279	1		1		1		1	
1/4	80,112	1/4	65,067	1/4	50,564	1/4	36,082	1/4	21,028	1/4	5,966	1/4		1/4		1/4		1/4	
1/2	79,798	1/2	64,759	1/2	50,262	1/2	35,774	1/2	20,714	1/2	5,652	1/2		1/2		1/2		1/2	
3/4	79,485	3/4	64,457	3/4	49,961	3/4	35,461	3/4	20,400	3/4	5,338	3/4		3/4		3/4		3/4	
2	79,171	2	64,155	2	49,659	2	35,147	2	20,087	2	5,025	2		2		2		2	
1/4	78,857	1/4	63,853	1/4	49,358	1/4	34,833	1/4	19,773	1/4	4,711	1/4		1/4		1/4		1/4	
1/2	78,543	1/2	63,551	1/2	49,057	1/2	34,519	1/2	19,459	1/2	4,398	1/2		1/2		1/2		1/2	
3/4	78,229	3/4	63,249	3/4	48,755	3/4	34,205	3/4	19,145	3/4	4,085	3/4		3/4		3/4		3/4	
3	77,915	3	62,947	3	48,454	3	33,892	3	18,831	3	3,772	3		3		3		3	
1/4	77,602	1/4	62,645	1/4	48,153	1/4	33,578	1/4	18,518	1/4	3,459	1/4		1/4		1/4		1/4	
1/2	77,288	1/2	62,342	1/2	47,852	1/2	33,264	1/2	18,204	1/2	3,146	1/2		1/2		1/2		1/2	
3/4	76,974	3/4	62,040	3/4	47,551	3/4	32,950	3/4	17,890	3/4	2,833	3/4		3/4		3/4		3/4	
4	76,660	4	61,738	4	47,249	4	32,636	4	17,576	4	2,519	4		4		4		4	
1/4	76,346	1/4	61,436	1/4	46,948	1/4	32,323	1/4	17,262	1/4	2,206	1/4		1/4		1/4		1/4	
1/2	76,033	1/2	61,134	1/2	46,647	1/2	32,009	1/2	16,949	1/2	1,893	1/2		1/2		1/2		1/2	
3/4	75,719	3/4	60,832	3/4	46,346	3/4	31,695	3/4	16,635	3/4	1,579	3/4		3/4		3/4		3/4	
5	75,405	5	60,530	5	46,045	5	31,381	5	16,321	5	1,265	5		5		5		5	
1/4	75,091	1/4	60,228	1/4	45,744	1/4	31,067	1/4	16,007	1/4	1,267	1/4		1/4		1/4		1/4	
1/2	74,777	1/2	59,926	1/2	45,443	1/2	30,754	1/2	15,693	1/2	1,031	1/2		1/2		1/2		1/2	
3/4	74,464	3/4	59,624	3/4	45,142	3/4	30,440	3/4	15,380	3/4		3/4		3/4		3/4		3/4	
6	74,150	6	59,322	6	44,841	6	30,126	6	15,066	6		6		6		6		6	
1/4	73,836	1/4	59,020	1/4	44,539	1/4	29,812	1/4	14,752	1/4		1/4		1/4		1/4		1/4	
1/2	73,522	1/2	58,718	1/2	44,238	1/2	29,499	1/2	14,438	1/2		1/2		1/2		1/2		1/2	
3/4	73,208	3/4	58,416	3/4	43,937	3/4	29,185	3/4	14,124	3/4		3/4		3/4		3/4		3/4	
7	72,894	7	58,114	7	43,636	7	28,871	7	13,811	7		7		7		7		7	
1/4	72,581	1/4	57,812	1/4	43,335	1/4	28,558	1/4	13,497	1/4		1/4		1/4		1/4		1/4	
1/2	72,267	1/2	57,510	1/2	43,034	1/2	28,244	1/2	13,183	1/2		1/2		1/2		1/2		1/2	
3/4	71,953	3/4	57,208	3/4	42,733	3/4	27,931	3/4	12,869	3/4		3/4		3/4		3/4		3/4	
8	71,639	8	56,906	8	42,432	8	27,617	8	12,555	8		8		8		8		8	
1/4	71,325	1/4	56,604	1/4	42,131	1/4	27,304	1/4	12,242	1/4		1/4		1/4		1/4		1/4	
1/2	71,012	1/2	56,302	1/2	41,829	1/2	26,990	1/2	11,928	1/2		1/2		1/2		1/2		1/2	
3/4	70,698	3/4	55,999	3/4	41,528	3/4	26,676	3/4	11,614	3/4		3/4		3/4		3/4		3/4	
9	70,384	9	55,697	9	41,227	9	26,363	9	11,300	9		9		9		9		9	
1/4	70,070	1/4	55,395	1/4	40,926	1/4	26,049	1/4	10,986	1/4		1/4		1/4		1/4		1/4	
1/2	69,756	1/2	55,093	1/2	40,625	1/2	25,735	1/2	10,672	1/2		1/2		1/2		1/2		1/2	
3/4	69,443	3/4	54,791	3/4	40,324	3/4	25,421	3/4	10,359	3/4		3/4		3/4		3/4		3/4	
10	69,129	10	54,489	10	40,023	10	25,107	10	10,045	10		10		10		10		10	
1/4	68,815	1/4	54,187	1/4	39,722	1/4	24,794	1/4	9,731	1/4		1/4		1/4		1/4		1/4	
1/2	68,501	1/2	53,885	1/2	39,421	1/2	24,480	1/2	9,417	1/2		1/2		1/2		1/2		1/2	
3/4	68,187	3/4	53,583	3/4	39,119	3/4	24,166	3/4	9,103	3/4		3/4		3/4		3/4		3/4	
11	67,873	11	53,281	11	38,817	11	23,852	11	8,790	11		11		11		11		11	
1/4	67,560	1/4	52,979	1/4	38,516	1/4	23,538	1/4	8,476	1/4		1/4		1/4		1/4		1/4	
1/2	67,246	1/2	52,677	1/2	38,214	1/2	23,225	1/2	8,162	1/2		1/2		1/2		1/2		1/2	
3/4	66,932	3/4	52,375	3/4	37,912	3/4	22,911	3/4	7,848	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/14/2019 CL
CALCULATED: 10/14/2019 CL
PRINTED: 10/14/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 3023"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	202,682	0	187,669	0	172,636	0	157,571	0	142,507	0	127,442	0	112,378	0	97,306
1/4		1/4		1/4	202,369	1/4	187,356	1/4	172,322	1/4	157,258	1/4	142,193	1/4	127,128	1/4	112,064	1/4	96,992
1/2		1/2		1/2	202,057	1/2	187,043	1/2	172,008	1/2	156,944	1/2	141,879	1/2	126,815	1/2	111,750	1/2	96,678
3/4		3/4		3/4	201,744	3/4	186,730	3/4	171,694	3/4	156,630	3/4	141,565	3/4	126,501	3/4	111,436	3/4	96,364
1		1		1	201,431	1	186,417	1	171,381	1	156,316	1	141,251	1	126,187	1	111,122	1	96,050
1/4		1/4		1/4	201,118	1/4	186,105	1/4	171,067	1/4	156,002	1/4	140,938	1/4	125,873	1/4	110,808	1/4	95,736
1/2		1/2		1/2	200,805	1/2	185,792	1/2	170,753	1/2	155,688	1/2	140,624	1/2	125,559	1/2	110,494	1/2	95,422
3/4		3/4		3/4	200,493	3/4	185,479	3/4	170,439	3/4	155,374	3/4	140,310	3/4	125,245	3/4	110,180	3/4	95,108
2		2	214,104	2	200,180	2	185,166	2	170,125	2	155,061	2	139,996	2	124,931	2	109,867	2	94,794
1/4		1/4	213,925	1/4	199,867	1/4	184,854	1/4	169,811	1/4	154,747	1/4	139,682	1/4	124,618	1/4	109,553	1/4	94,480
1/2		1/2	213,746	1/2	199,554	1/2	184,541	1/2	169,498	1/2	154,433	1/2	139,368	1/2	124,304	1/2	109,239	1/2	94,166
3/4		3/4	213,567	3/4	199,241	3/4	184,228	3/4	169,184	3/4	154,119	3/4	139,054	3/4	123,990	3/4	108,925	3/4	93,852
3		3	213,388	3	198,929	3	183,915	3	168,870	3	153,805	3	138,741	3	123,676	3	108,611	3	93,538
1/4		1/4	213,157	1/4	198,616	1/4	183,602	1/4	168,556	1/4	153,491	1/4	138,427	1/4	123,362	1/4	108,297	1/4	93,224
1/2		1/2	212,925	1/2	198,303	1/2	183,290	1/2	168,242	1/2	153,178	1/2	138,113	1/2	123,048	1/2	107,983	1/2	92,910
3/4		3/4	212,694	3/4	197,990	3/4	182,977	3/4	167,928	3/4	152,864	3/4	137,799	3/4	122,735	3/4	107,669	3/4	92,596
4		4	212,463	4	197,678	4	182,664	4	167,614	4	152,550	4	137,485	4	122,421	4	107,355	4	92,282
1/4		1/4	212,183	1/4	197,365	1/4	182,351	1/4	167,301	1/4	152,236	1/4	137,171	1/4	122,107	1/4	107,041	1/4	91,968
1/2		1/2	211,903	1/2	197,052	1/2	182,039	1/2	166,987	1/2	151,922	1/2	136,858	1/2	121,793	1/2	106,727	1/2	91,654
3/4		3/4	211,623	3/4	196,739	3/4	181,726	3/4	166,673	3/4	151,608	3/4	136,544	3/4	121,479	3/4	106,413	3/4	91,340
5		5	211,343	5	196,426	5	181,413	5	166,359	5	151,294	5	136,230	5	121,165	5	106,099	5	91,026
1/4		1/4	211,037	1/4	196,114	1/4	181,100	1/4	166,045	1/4	150,981	1/4	135,916	1/4	120,851	1/4	105,785	1/4	90,712
1/2		1/2	210,732	1/2	195,801	1/2	180,787	1/2	165,731	1/2	150,667	1/2	135,602	1/2	120,538	1/2	105,471	1/2	90,398
3/4		3/4	210,426	3/4	195,488	3/4	180,475	3/4	165,418	3/4	150,353	3/4	135,288	3/4	120,224	3/4	105,157	3/4	90,084
6		6	210,120	6	195,175	6	180,162	6	165,104	6	150,039	6	134,975	6	119,910	6	104,843	6	89,770
1/4		1/4	209,811	1/4	194,863	1/4	179,849	1/4	164,790	1/4	149,725	1/4	134,661	1/4	119,596	1/4	104,528	1/4	89,456
1/2		1/2	209,502	1/2	194,550	1/2	179,536	1/2	164,476	1/2	149,411	1/2	134,347	1/2	119,282	1/2	104,214	1/2	89,142
3/4		3/4	209,192	3/4	194,237	3/4	179,224	3/4	164,162	3/4	149,098	3/4	134,033	3/4	118,968	3/4	103,900	3/4	88,828
7		7	208,883	7	193,924	7	178,911	7	163,848	7	148,784	7	133,719	7	118,655	7	103,586	7	88,514
1/4		1/4	208,573	1/4	193,611	1/4	178,597	1/4	163,534	1/4	148,470	1/4	133,405	1/4	118,341	1/4	103,272	1/4	88,200
1/2		1/2	208,264	1/2	193,299	1/2	178,284	1/2	163,221	1/2	148,156	1/2	133,091	1/2	118,027	1/2	102,958	1/2	87,886
3/4		3/4	207,954	3/4	192,986	3/4	177,971	3/4	162,907	3/4	147,842	3/4	132,778	3/4	117,713	3/4	102,644	3/4	87,572
8		8	207,644	8	192,673	8	177,657	8	162,593	8	147,528	8	132,464	8	117,399	8	102,330	8	87,258
1/4		1/4	207,334	1/4	192,360	1/4	177,344	1/4	162,279	1/4	147,214	1/4	132,150	1/4	117,085	1/4	102,016	1/4	86,944
1/2		1/2	207,024	1/2	192,048	1/2	177,030	1/2	161,965	1/2	146,901	1/2	131,836	1/2	116,771	1/2	101,702	1/2	86,630
3/4		3/4	206,715	3/4	191,735	3/4	176,716	3/4	161,651	3/4	146,587	3/4	131,522	3/4	116,458	3/4	101,388	3/4	86,316
9		9	206,405	9	191,422	9	176,402	9	161,338	9	146,273	9	131,208	9	116,144	9	101,074	9	86,002
1/4		1/4	206,095	1/4	191,109	1/4	176,088	1/4	161,024	1/4	145,959	1/4	130,895	1/4	115,830	1/4	100,760	1/4	85,688
1/2		1/2	205,785	1/2	190,796	1/2	175,774	1/2	160,710	1/2	145,645	1/2	130,581	1/2	115,516	1/2	100,446	1/2	85,374
3/4		3/4	205,475	3/4	190,484	3/4	175,461	3/4	160,396	3/4	145,331	3/4	130,267	3/4	115,202	3/4	100,132	3/4	85,060
10		10	205,166	10	190,171	10	175,147	10	160,082	10	145,018	10	129,953	10	114,888	10	99,818	10	84,746
1/4		1/4	204,856	1/4	189,858	1/4	174,833	1/4	159,768	1/4	144,704	1/4	129,639	1/4	114,575	1/4	99,504	1/4	84,432
1/2		1/2	204,546	1/2	189,545	1/2	174,519	1/2	159,454	1/2	144,390	1/2	129,325	1/2	114,261	1/2	99,190	1/2	84,118
3/4		3/4	204,237	3/4	189,232	3/4	174,205	3/4	159,141	3/4	144,076	3/4	129,011	3/4	113,947	3/4	98,876	3/4	83,804
11		11	203,927	11	188,920	11	173,891	11	158,827	11	143,762	11	128,698	11	113,633	11	98,562	11	83,490
1/4		1/4	203,616	1/4	188,607	1/4	173,578	1/4	158,513	1/4	143,448	1/4	128,384	1/4	113,319	1/4	98,248	1/4	83,176
1/2		1/2	203,305	1/2	188,294	1/2	173,264	1/2	158,199	1/2	143,134	1/2	128,070	1/2	113,005	1/2	97,934	1/2	82,862
3/4		3/4	202,993	3/4	187,981	3/4	172,950	3/4	157,885	3/4	142,821	3/4	127,756	3/4	112,691	3/4	97,620	3/4	82,548

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 THREADS ON "MMC" VALVE OR 8" HATCH.

GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 41'-09" FORWARD OF AFT BULKHEAD

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HSM 3023"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	82,234	0	67,162	0	52,090	0	37,053	0	21,983	0	6,911	0		0		0		0	
1/4	81,920	1/4	66,848	1/4	51,776	1/4	36,739	1/4	21,669	1/4	6,597	1/4		1/4		1/4		1/4	
1/2	81,606	1/2	66,534	1/2	51,463	1/2	36,425	1/2	21,355	1/2	6,283	1/2		1/2		1/2		1/2	
3/4	81,292	3/4	66,220	3/4	51,149	3/4	36,111	3/4	21,041	3/4	5,969	3/4		3/4		3/4		3/4	
1	80,978	1	65,906	1	50,835	1	35,797	1	20,727	1	5,655	1		1		1		1	
1/4	80,664	1/4	65,592	1/4	50,522	1/4	35,483	1/4	20,413	1/4	5,342	1/4		1/4		1/4		1/4	
1/2	80,350	1/2	65,278	1/2	50,209	1/2	35,169	1/2	20,099	1/2	5,028	1/2		1/2		1/2		1/2	
3/4	80,036	3/4	64,964	3/4	49,896	3/4	34,855	3/4	19,785	3/4	4,714	3/4		3/4		3/4		3/4	
2	79,722	2	64,650	2	49,582	2	34,541	2	19,471	2	4,400	2		2		2		2	
1/4	79,408	1/4	64,336	1/4	49,269	1/4	34,227	1/4	19,157	1/4	4,087	1/4		1/4		1/4		1/4	
1/2	79,094	1/2	64,022	1/2	48,956	1/2	33,913	1/2	18,843	1/2	3,774	1/2		1/2		1/2		1/2	
3/4	78,780	3/4	63,708	3/4	48,643	3/4	33,599	3/4	18,529	3/4	3,461	3/4		3/4		3/4		3/4	
3	78,466	3	63,394	3	48,329	3	33,285	3	18,215	3	3,148	3		3		3		3	
1/4	78,152	1/4	63,080	1/4	48,016	1/4	32,971	1/4	17,901	1/4	2,855	1/4		1/4		1/4		1/4	
1/2	77,838	1/2	62,766	1/2	47,703	1/2	32,657	1/2	17,587	1/2	2,561	1/2		1/2		1/2		1/2	
3/4	77,524	3/4	62,452	3/4	47,390	3/4	32,343	3/4	17,273	3/4	2,268	3/4		3/4		3/4		3/4	
4	77,210	4	62,138	4	47,077	4	32,029	4	16,959	4	1,974	4		4		4		4	
1/4	76,896	1/4	61,824	1/4	46,764	1/4	31,715	1/4	16,645	1/4	1,739	1/4		1/4		1/4		1/4	
1/2	76,582	1/2	61,510	1/2	46,451	1/2	31,401	1/2	16,331	1/2	1,503	1/2		1/2		1/2		1/2	
3/4	76,268	3/4	61,196	3/4	46,138	3/4	31,087	3/4	16,017	3/4	1,268	3/4		3/4		3/4		3/4	
5	75,954	5	60,882	5	45,825	5	30,773	5	15,703	5	1,032	5		5		5		5	
1/4	75,640	1/4	60,568	1/4	45,512	1/4	30,459	1/4	15,389	1/4		1/4		1/4		1/4		1/4	
1/2	75,326	1/2	60,254	1/2	45,199	1/2	30,145	1/2	15,075	1/2		1/2		1/2		1/2		1/2	
3/4	75,012	3/4	59,940	3/4	44,886	3/4	29,831	3/4	14,761	3/4		3/4		3/4		3/4		3/4	
6	74,698	6	59,626	6	44,573	6	29,518	6	14,447	6		6		6		6		6	
1/4	74,384	1/4	59,312	1/4	44,260	1/4	29,204	1/4	14,133	1/4		1/4		1/4		1/4		1/4	
1/2	74,070	1/2	58,998	1/2	43,946	1/2	28,890	1/2	13,819	1/2		1/2		1/2		1/2		1/2	
3/4	73,756	3/4	58,684	3/4	43,633	3/4	28,576	3/4	13,505	3/4		3/4		3/4		3/4		3/4	
7	73,442	7	58,370	7	43,320	7	28,262	7	13,191	7		7		7		7		7	
1/4	73,128	1/4	58,056	1/4	43,007	1/4	27,949	1/4	12,877	1/4		1/4		1/4		1/4		1/4	
1/2	72,814	1/2	57,742	1/2	42,694	1/2	27,635	1/2	12,563	1/2		1/2		1/2		1/2		1/2	
3/4	72,500	3/4	57,428	3/4	42,381	3/4	27,321	3/4	12,249	3/4		3/4		3/4		3/4		3/4	
8	72,186	8	57,114	8	42,068	8	27,007	8	11,935	8		8		8		8		8	
1/4	71,872	1/4	56,800	1/4	41,755	1/4	26,693	1/4	11,621	1/4		1/4		1/4		1/4		1/4	
1/2	71,558	1/2	56,486	1/2	41,442	1/2	26,379	1/2	11,307	1/2		1/2		1/2		1/2		1/2	
3/4	71,244	3/4	56,172	3/4	41,129	3/4	26,065	3/4	10,993	3/4		3/4		3/4		3/4		3/4	
9	70,930	9	55,858	9	40,816	9	25,751	9	10,679	9		9		9		9		9	
1/4	70,616	1/4	55,544	1/4	40,503	1/4	25,437	1/4	10,365	1/4		1/4		1/4		1/4		1/4	
1/2	70,302	1/2	55,230	1/2	40,190	1/2	25,123	1/2	10,051	1/2		1/2		1/2		1/2		1/2	
3/4	69,988	3/4	54,916	3/4	39,877	3/4	24,809	3/4	9,737	3/4		3/4		3/4		3/4		3/4	
10	69,674	10	54,602	10	39,563	10	24,495	10	9,423	10		10		10		10		10	
1/4	69,360	1/4	54,288	1/4	39,250	1/4	24,181	1/4	9,109	1/4		1/4		1/4		1/4		1/4	
1/2	69,046	1/2	53,974	1/2	38,936	1/2	23,867	1/2	8,795	1/2		1/2		1/2		1/2		1/2	
3/4	68,732	3/4	53,660	3/4	38,623	3/4	23,553	3/4	8,481	3/4		3/4		3/4		3/4		3/4	
11	68,418	11	53,346	11	38,309	11	23,239	11	8,167	11		11		11		11		11	
1/4	68,104	1/4	53,032	1/4	37,995	1/4	22,925	1/4	7,853	1/4		1/4		1/4		1/4		1/4	
1/2	67,790	1/2	52,718	1/2	37,681	1/2	22,611	1/2	7,539	1/2		1/2		1/2		1/2		1/2	
3/4	67,476	3/4	52,404	3/4	37,367	3/4	22,297	3/4	7,225	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/14/2019 CL
CALCULATED: 10/14/2019 CL
PRINTED: 10/14/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "HSM 3023"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-04 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	80,843	0	65,917	0	51,175	0	36,578	0	21,589	0	6,577	0		0		0		0	
1/4	80,530	1/4	65,606	1/4	50,872	1/4	36,269	1/4	21,276	1/4	6,265	1/4		1/4		1/4		1/4	
1/2	80,217	1/2	65,295	1/2	50,569	1/2	35,961	1/2	20,963	1/2	5,952	1/2		1/2		1/2		1/2	
3/4	79,905	3/4	64,985	3/4	50,267	3/4	35,652	3/4	20,651	3/4	5,639	3/4		3/4		3/4		3/4	
1	79,592	1	64,674	1	49,964	1	35,340	1	20,338	1	5,326	1		1		1		1	
1/4	79,280	1/4	64,364	1/4	49,661	1/4	35,028	1/4	20,025	1/4	5,013	1/4		1/4		1/4		1/4	
1/2	78,967	1/2	64,053	1/2	49,358	1/2	34,716	1/2	19,713	1/2	4,701	1/2		1/2		1/2		1/2	
3/4	78,655	3/4	63,742	3/4	49,056	3/4	34,404	3/4	19,400	3/4	4,388	3/4		3/4		3/4		3/4	
2	78,343	2	63,431	2	48,753	2	34,091	2	19,088	2	4,076	2		2		2		2	
1/4	78,032	1/4	63,120	1/4	48,450	1/4	33,779	1/4	18,775	1/4	3,764	1/4		1/4		1/4		1/4	
1/2	77,720	1/2	62,808	1/2	48,147	1/2	33,466	1/2	18,462	1/2	3,451	1/2		1/2		1/2		1/2	
3/4	77,408	3/4	62,497	3/4	47,845	3/4	33,153	3/4	18,150	3/4	3,139	3/4		3/4		3/4		3/4	
3	77,098	3	62,185	3	47,542	3	32,841	3	17,837	3	2,847	3		3		3		3	
1/4	76,787	1/4	61,872	1/4	47,240	1/4	32,528	1/4	17,525	1/4	2,554	1/4		1/4		1/4		1/4	
1/2	76,477	1/2	61,560	1/2	46,937	1/2	32,216	1/2	17,212	1/2	2,261	1/2		1/2		1/2		1/2	
3/4	76,166	3/4	61,248	3/4	46,635	3/4	31,903	3/4	16,899	3/4	1,968	3/4		3/4		3/4		3/4	
4	75,855	4	60,936	4	46,333	4	31,590	4	16,587	4	1,734	4		4		4		4	
1/4	75,545	1/4	60,623	1/4	46,031	1/4	31,278	1/4	16,274	1/4	1,499	1/4		1/4		1/4		1/4	
1/2	75,234	1/2	60,311	1/2	45,729	1/2	30,965	1/2	15,961	1/2	1,264	1/2		1/2		1/2		1/2	
3/4	74,924	3/4	59,999	3/4	45,427	3/4	30,653	3/4	15,649	3/4	1,029	3/4		3/4		3/4		3/4	
5	74,613	5	59,690	5	45,124	5	30,340	5	15,336	5		5		5		5		5	
1/4	74,303	1/4	59,381	1/4	44,820	1/4	30,027	1/4	15,024	1/4		1/4		1/4		1/4		1/4	
1/2	73,992	1/2	59,072	1/2	44,516	1/2	29,715	1/2	14,711	1/2		1/2		1/2		1/2		1/2	
3/4	73,681	3/4	58,762	3/4	44,213	3/4	29,402	3/4	14,398	3/4		3/4		3/4		3/4		3/4	
6	73,371	6	58,457	6	43,908	6	29,090	6	14,086	6		6		6		6		6	
1/4	73,060	1/4	58,151	1/4	43,602	1/4	28,777	1/4	13,773	1/4		1/4		1/4		1/4		1/4	
1/2	72,750	1/2	57,845	1/2	43,297	1/2	28,465	1/2	13,460	1/2		1/2		1/2		1/2		1/2	
3/4	72,439	3/4	57,539	3/4	42,992	3/4	28,153	3/4	13,148	3/4		3/4		3/4		3/4		3/4	
7	72,128	7	57,234	7	42,686	7	27,840	7	12,835	7		7		7		7		7	
1/4	71,818	1/4	56,930	1/4	42,381	1/4	27,528	1/4	12,523	1/4		1/4		1/4		1/4		1/4	
1/2	71,507	1/2	56,626	1/2	42,076	1/2	27,215	1/2	12,210	1/2		1/2		1/2		1/2		1/2	
3/4	71,197	3/4	56,321	3/4	41,771	3/4	26,903	3/4	11,897	3/4		3/4		3/4		3/4		3/4	
8	70,886	8	56,019	8	41,465	8	26,590	8	11,585	8		8		8		8		8	
1/4	70,575	1/4	55,716	1/4	41,160	1/4	26,278	1/4	11,272	1/4		1/4		1/4		1/4		1/4	
1/2	70,265	1/2	55,413	1/2	40,855	1/2	25,965	1/2	10,959	1/2		1/2		1/2		1/2		1/2	
3/4	69,954	3/4	55,110	3/4	40,549	3/4	25,653	3/4	10,646	3/4		3/4		3/4		3/4		3/4	
9	69,644	9	54,808	9	40,244	9	25,340	9	10,333	9		9		9		9		9	
1/4	69,333	1/4	54,505	1/4	39,939	1/4	25,027	1/4	10,020	1/4		1/4		1/4		1/4		1/4	
1/2	69,022	1/2	54,202	1/2	39,634	1/2	24,715	1/2	9,707	1/2		1/2		1/2		1/2		1/2	
3/4	68,712	3/4	53,899	3/4	39,328	3/4	24,402	3/4	9,393	3/4		3/4		3/4		3/4		3/4	
10	68,401	10	53,597	10	39,023	10	24,089	10	9,080	10		10		10		10		10	
1/4	68,091	1/4	53,294	1/4	38,718	1/4	23,777	1/4	8,767	1/4		1/4		1/4		1/4		1/4	
1/2	67,780	1/2	52,991	1/2	38,412	1/2	23,464	1/2	8,454	1/2		1/2		1/2		1/2		1/2	
3/4	67,470	3/4	52,688	3/4	38,107	3/4	23,152	3/4	8,141	3/4		3/4		3/4		3/4		3/4	
11	67,159	11	52,386	11	37,802	11	22,839	11	7,829	11		11		11		11		11	
1/4	66,848	1/4	52,083	1/4	37,497	1/4	22,526	1/4	7,516	1/4		1/4		1/4		1/4		1/4	
1/2	66,538	1/2	51,780	1/2	37,191	1/2	22,214	1/2	7,203	1/2		1/2		1/2		1/2		1/2	
3/4	66,227	3/4	51,477	3/4	36,886	3/4	21,901	3/4	6,890	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/14/2019 CL
CALCULATED: 10/14/2019 CL
PRINTED: 10/14/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019

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



BARGE "HSM 3023"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	82,310	0	67,285	0	52,259	0	37,249	0	22,227	0	7,203	0		0		0		0	
1/4	81,997	1/4	66,972	1/4	51,946	1/4	36,936	1/4	21,914	1/4	6,890	1/4		1/4		1/4		1/4	
1/2	81,684	1/2	66,659	1/2	51,633	1/2	36,624	1/2	21,601	1/2	6,577	1/2		1/2		1/2		1/2	
3/4	81,371	3/4	66,346	3/4	51,320	3/4	36,311	3/4	21,288	3/4	6,264	3/4		3/4		3/4		3/4	
1	81,058	1	66,033	1	51,007	1	35,999	1	20,975	1	5,951	1		1		1		1	
1/4	80,745	1/4	65,720	1/4	50,694	1/4	35,686	1/4	20,662	1/4	5,638	1/4		1/4		1/4		1/4	
1/2	80,432	1/2	65,407	1/2	50,381	1/2	35,373	1/2	20,349	1/2	5,325	1/2		1/2		1/2		1/2	
3/4	80,119	3/4	65,094	3/4	50,068	3/4	35,061	3/4	20,036	3/4	5,012	3/4		3/4		3/4		3/4	
2	79,806	2	64,781	2	49,755	2	34,748	2	19,723	2	4,699	2		2		2		2	
1/4	79,493	1/4	64,467	1/4	49,442	1/4	34,435	1/4	19,410	1/4	4,387	1/4		1/4		1/4		1/4	
1/2	79,180	1/2	64,154	1/2	49,129	1/2	34,122	1/2	19,097	1/2	4,075	1/2		1/2		1/2		1/2	
3/4	78,867	3/4	63,841	3/4	48,816	3/4	33,809	3/4	18,784	3/4	3,763	3/4		3/4		3/4		3/4	
3	78,554	3	63,528	3	48,503	3	33,496	3	18,471	3	3,451	3		3		3		3	
1/4	78,241	1/4	63,215	1/4	48,190	1/4	33,183	1/4	18,158	1/4	3,138	1/4		1/4		1/4		1/4	
1/2	77,928	1/2	62,902	1/2	47,877	1/2	32,870	1/2	17,845	1/2	2,846	1/2		1/2		1/2		1/2	
3/4	77,615	3/4	62,589	3/4	47,564	3/4	32,557	3/4	17,532	3/4	2,553	3/4		3/4		3/4		3/4	
4	77,302	4	62,276	4	47,251	4	32,244	4	17,219	4	2,260	4		4		4		4	
1/4	76,989	1/4	61,963	1/4	46,939	1/4	31,931	1/4	16,906	1/4	1,968	1/4		1/4		1/4		1/4	
1/2	76,675	1/2	61,650	1/2	46,626	1/2	31,618	1/2	16,593	1/2	1,733	1/2		1/2		1/2		1/2	
3/4	76,362	3/4	61,337	3/4	46,313	3/4	31,305	3/4	16,280	3/4	1,498	3/4		3/4		3/4		3/4	
5	76,049	5	61,024	5	46,000	5	30,992	5	15,967	5	1,264	5		5		5		5	
1/4	75,736	1/4	60,711	1/4	45,688	1/4	30,679	1/4	15,654	1/4	1,029	1/4		1/4		1/4		1/4	
1/2	75,423	1/2	60,398	1/2	45,375	1/2	30,366	1/2	15,341	1/2		1/2		1/2		1/2		1/2	
3/4	75,110	3/4	60,085	3/4	45,062	3/4	30,053	3/4	15,028	3/4		3/4		3/4		3/4		3/4	
6	74,797	6	59,772	6	44,750	6	29,740	6	14,715	6		6		6		6		6	
1/4	74,484	1/4	59,459	1/4	44,437	1/4	29,427	1/4	14,402	1/4		1/4		1/4		1/4		1/4	
1/2	74,171	1/2	59,146	1/2	44,124	1/2	29,114	1/2	14,089	1/2		1/2		1/2		1/2		1/2	
3/4	73,858	3/4	58,833	3/4	43,812	3/4	28,801	3/4	13,776	3/4		3/4		3/4		3/4		3/4	
7	73,545	7	58,520	7	43,499	7	28,488	7	13,463	7		7		7		7		7	
1/4	73,232	1/4	58,207	1/4	43,187	1/4	28,175	1/4	13,150	1/4		1/4		1/4		1/4		1/4	
1/2	72,919	1/2	57,894	1/2	42,874	1/2	27,862	1/2	12,837	1/2		1/2		1/2		1/2		1/2	
3/4	72,606	3/4	57,581	3/4	42,562	3/4	27,549	3/4	12,524	3/4		3/4		3/4		3/4		3/4	
8	72,293	8	57,268	8	42,249	8	27,236	8	12,211	8		8		8		8		8	
1/4	71,980	1/4	56,955	1/4	41,937	1/4	26,923	1/4	11,898	1/4		1/4		1/4		1/4		1/4	
1/2	71,667	1/2	56,642	1/2	41,624	1/2	26,610	1/2	11,585	1/2		1/2		1/2		1/2		1/2	
3/4	71,354	3/4	56,329	3/4	41,312	3/4	26,297	3/4	11,272	3/4		3/4		3/4		3/4		3/4	
9	71,041	9	56,016	9	40,999	9	25,984	9	10,959	9		9		9		9		9	
1/4	70,728	1/4	55,703	1/4	40,687	1/4	25,671	1/4	10,646	1/4		1/4		1/4		1/4		1/4	
1/2	70,415	1/2	55,390	1/2	40,374	1/2	25,358	1/2	10,333	1/2		1/2		1/2		1/2		1/2	
3/4	70,102	3/4	55,077	3/4	40,062	3/4	25,045	3/4	10,020	3/4		3/4		3/4		3/4		3/4	
10	69,789	10	54,764	10	39,749	10	24,732	10	9,707	10		10		10		10		10	
1/4	69,476	1/4	54,451	1/4	39,437	1/4	24,419	1/4	9,394	1/4		1/4		1/4		1/4		1/4	
1/2	69,163	1/2	54,138	1/2	39,124	1/2	24,106	1/2	9,081	1/2		1/2		1/2		1/2		1/2	
3/4	68,850	3/4	53,825	3/4	38,811	3/4	23,793	3/4	8,768	3/4		3/4		3/4		3/4		3/4	
11	68,537	11	53,512	11	38,499	11	23,480	11	8,455	11		11		11		11		11	
1/4	68,224	1/4	53,199	1/4	38,186	1/4	23,166	1/4	8,142	1/4		1/4		1/4		1/4		1/4	
1/2	67,911	1/2	52,886	1/2	37,874	1/2	22,853	1/2	7,829	1/2		1/2		1/2		1/2		1/2	
3/4	67,598	3/4	52,573	3/4	37,561	3/4	22,540	3/4	7,516	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/14/2019 CL
CALCULATED: 10/14/2019 CL
PRINTED: 10/14/2019 CL

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019



BARGE "HSM 3023"

PORT SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-08"

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT

STRAPPED: 10/14/2019 CL
CALCULATED: 10/14/2019 CL
PRINTED: 10/14/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "HSM 3023"

STBD SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GUAGE HEIGHT 5'-07"

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT

STRAPPED: 10/14/2019 CL
CALCULATED: 10/14/2019 CL
PRINTED: 10/14/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019

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