



BARGE "HSM 3003"

ULLAGE TRIM TABLE

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

(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"

November 2, 2016

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

<http://www.pmacorp.net>



BARGE "HSM 3003"

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	200,204	0	185,201	0	170,181	0	155,133	0	140,085	0	125,037	0	109,989	0	94,936
1/4		1/4		1/4	199,892	1/4	184,888	1/4	169,868	1/4	154,820	1/4	139,772	1/4	124,724	1/4	109,676	1/4	94,622
1/2		1/2		1/2	199,580	1/2	184,576	1/2	169,554	1/2	154,506	1/2	139,458	1/2	124,410	1/2	109,362	1/2	94,308
3/4		3/4		3/4	199,267	3/4	184,263	3/4	169,241	3/4	154,193	3/4	139,145	3/4	124,097	3/4	109,049	3/4	93,995
1		1		1	198,954	1	183,950	1	168,927	1	153,879	1	138,831	1	123,783	1	108,735	1	93,681
1/4		1/4		1/4	198,642	1/4	183,638	1/4	168,614	1/4	153,566	1/4	138,518	1/4	123,470	1/4	108,422	1/4	93,367
1/2		1/2		1/2	198,329	1/2	183,325	1/2	168,300	1/2	153,252	1/2	138,204	1/2	123,156	1/2	108,108	1/2	93,054
3/4		3/4		3/4	198,017	3/4	183,013	3/4	167,987	3/4	152,939	3/4	137,891	3/4	122,843	3/4	107,794	3/4	92,740
2		2		2	197,704	2	182,700	2	167,673	2	152,625	2	137,577	2	122,529	2	107,481	2	92,426
1/4		1/4		1/4	211,343	1/4	197,392	1/4	182,387	1/4	167,360	1/4	152,312	1/4	137,264	1/4	122,216	1/4	107,171
1/2		1/2		1/2	211,163	1/2	197,079	1/2	182,075	1/2	167,046	1/2	151,998	1/2	136,950	1/2	121,902	1/2	106,854
3/4		3/4		3/4	210,983	3/4	196,766	3/4	181,762	3/4	166,733	3/4	151,685	3/4	136,637	3/4	121,589	3/4	106,540
3		3		3	210,803	3	196,454	3	181,450	3	166,419	3	151,371	3	136,323	3	121,275	3	106,226
1/4		1/4		1/4	210,623	1/4	196,141	1/4	181,137	1/4	166,106	1/4	151,058	1/4	136,010	1/4	120,962	1/4	105,913
1/2		1/2		1/2	210,391	1/2	195,829	1/2	180,825	1/2	165,792	1/2	150,744	1/2	135,696	1/2	120,648	1/2	105,599
3/4		3/4		3/4	210,159	3/4	195,516	3/4	180,512	3/4	165,479	3/4	150,431	3/4	135,383	3/4	120,335	3/4	105,285
4		4		4	209,927	4	195,203	4	180,199	4	165,165	4	150,117	4	135,069	4	120,021	4	104,972
1/4		1/4		1/4	209,695	1/4	194,891	1/4	179,887	1/4	164,852	1/4	149,804	1/4	134,756	1/4	119,708	1/4	104,658
1/2		1/2		1/2	209,414	1/2	194,578	1/2	179,574	1/2	164,538	1/2	149,490	1/2	134,442	1/2	119,394	1/2	104,345
3/4		3/4		3/4	209,133	3/4	194,266	3/4	179,262	3/4	164,225	3/4	149,177	3/4	134,129	3/4	119,081	3/4	104,031
5		5		5	208,853	5	193,953	5	178,949	5	163,911	5	148,863	5	133,815	5	118,767	5	103,717
1/4		1/4		1/4	208,572	1/4	193,641	1/4	178,636	1/4	163,598	1/4	148,550	1/4	133,502	1/4	118,454	1/4	103,404
1/2		1/2		1/2	208,266	1/2	193,328	1/2	178,324	1/2	163,284	1/2	148,236	1/2	133,188	1/2	118,140	1/2	103,090
3/4		3/4		3/4	207,959	3/4	193,015	3/4	178,011	3/4	162,971	3/4	147,923	3/4	132,875	3/4	117,827	3/4	102,776
6		6		6	207,653	6	192,703	6	177,699	6	162,657	6	147,609	6	132,561	6	117,513	6	102,463
1/4		1/4		1/4	207,347	1/4	192,390	1/4	177,386	1/4	162,344	1/4	147,296	1/4	132,248	1/4	117,200	1/4	102,149
1/2		1/2		1/2	207,037	1/2	192,078	1/2	177,074	1/2	162,030	1/2	146,982	1/2	131,934	1/2	116,886	1/2	101,836
3/4		3/4		3/4	206,726	3/4	191,765	3/4	176,761	3/4	161,717	3/4	146,669	3/4	131,621	3/4	116,573	3/4	101,522
7		7		7	206,416	7	191,452	7	176,448	7	161,403	7	146,355	7	131,307	7	116,259	7	101,208
1/4		1/4		1/4	206,106	1/4	191,140	1/4	176,136	1/4	161,090	1/4	146,042	1/4	130,994	1/4	115,946	1/4	100,895
1/2		1/2		1/2	205,796	1/2	190,827	1/2	175,823	1/2	160,776	1/2	145,728	1/2	130,680	1/2	115,632	1/2	100,581
3/4		3/4		3/4	205,485	3/4	190,515	3/4	175,510	3/4	160,463	3/4	145,415	3/4	130,367	3/4	115,319	3/4	100,267
8		8		8	205,175	8	190,202	8	175,197	8	160,149	8	145,101	8	130,053	8	115,005	8	99,954
1/4		1/4		1/4	204,864	1/4	189,890	1/4	174,884	1/4	159,836	1/4	144,788	1/4	129,740	1/4	114,692	1/4	99,640
1/2		1/2		1/2	204,554	1/2	189,577	1/2	174,570	1/2	159,522	1/2	144,474	1/2	129,426	1/2	114,378	1/2	99,326
3/4		3/4		3/4	204,243	3/4	189,264	3/4	174,257	3/4	159,209	3/4	144,161	3/4	129,113	3/4	114,065	3/4	99,013
9		9		9	203,933	9	188,952	9	173,943	9	158,895	9	143,847	9	128,799	9	113,751	9	98,699
1/4		1/4		1/4	203,622	1/4	188,639	1/4	173,630	1/4	158,582	1/4	143,534	1/4	128,486	1/4	113,438	1/4	98,386
1/2		1/2		1/2	203,312	1/2	188,327	1/2	173,316	1/2	158,268	1/2	143,220	1/2	128,172	1/2	113,124	1/2	98,072
3/4		3/4		3/4	203,001	3/4	188,014	3/4	173,003	3/4	157,955	3/4	142,907	3/4	127,859	3/4	112,811	3/4	97,758
10		10		10	202,691	10	187,701	10	172,689	10	157,641	10	142,593	10	127,545	10	112,497	10	97,445
1/4		1/4		1/4	202,380	1/4	187,389	1/4	172,376	1/4	157,328	1/4	142,280	1/4	127,232	1/4	112,184	1/4	97,131
1/2		1/2		1/2	202,070	1/2	187,076	1/2	172,062	1/2	157,014	1/2	141,966	1/2	126,918	1/2	111,870	1/2	96,817
3/4		3/4		3/4	201,759	3/4	186,764	3/4	171,749	3/4	156,701	3/4	141,653	3/4	126,605	3/4	111,557	3/4	96,504
11		11		11	201,449	11	186,451	11	171,435	11	156,387	11	141,339	11	126,291	11	111,243	11	96,190
1/4		1/4		1/4	201,138	1/4	186,138	1/4	171,122	1/4	156,074	1/4	141,026	1/4	125,978	1/4	110,930	1/4	95,876
1/2		1/2		1/2	200,827	1/2	185,826	1/2	170,808	1/2	155,760	1/2	140,712	1/2	125,664	1/2	110,616	1/2	95,563
3/4		3/4		3/4	200,515	3/4	185,513	3/4	170,495	3/4	155,447	3/4	140,399	3/4	125,351	3/4	110,303	3/4	95,249

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 OF THREADS ON "MMC" VALVE.

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "HSM 3003"

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	79,881	0	64,827	0	49,872	0	34,823	0	19,769	0	5,529	0		0		0		0	
1/4	79,567	1/4	64,514	1/4	49,560	1/4	34,509	1/4	19,455	1/4	5,254	1/4		1/4		1/4		1/4	
1/2	79,254	1/2	64,201	1/2	49,247	1/2	34,196	1/2	19,141	1/2	4,983	1/2		1/2		1/2		1/2	
3/4	78,940	3/4	63,889	3/4	48,934	3/4	33,882	3/4	18,828	3/4	4,712	3/4		3/4		3/4		3/4	
1	78,626	1	63,576	1	48,622	1	33,568	1	18,514	1	4,441	1		1		1		1	
1/4	78,313	1/4	63,264	1/4	48,309	1/4	33,255	1/4	18,201	1/4	4,170	1/4		1/4		1/4		1/4	
1/2	77,999	1/2	62,953	1/2	47,995	1/2	32,941	1/2	17,888	1/2	3,903	1/2		1/2		1/2		1/2	
3/4	77,686	3/4	62,641	3/4	47,681	3/4	32,627	3/4	17,575	3/4	3,636	3/4		3/4		3/4		3/4	
2	77,372	2	62,330	2	47,368	2	32,314	2	17,263	2	3,369	2		2		2		2	
1/4	77,058	1/4	62,018	1/4	47,054	1/4	32,000	1/4	16,950	1/4	3,102	1/4		1/4		1/4		1/4	
1/2	76,745	1/2	61,707	1/2	46,741	1/2	31,686	1/2	16,640	1/2	2,839	1/2		1/2		1/2		1/2	
3/4	76,431	3/4	61,396	3/4	46,427	3/4	31,373	3/4	16,330	3/4	2,577	3/4		3/4		3/4		3/4	
3	76,117	3	61,084	3	46,113	3	31,059	3	16,021	3	2,314	3		3		3		3	
1/4	75,804	1/4	60,773	1/4	45,800	1/4	30,746	1/4	15,711	1/4	2,052	1/4		1/4		1/4		1/4	
1/2	75,490	1/2	60,462	1/2	45,486	1/2	30,432	1/2	15,405	1/2	1,813	1/2		1/2		1/2		1/2	
3/4	75,176	3/4	60,151	3/4	45,172	3/4	30,118	3/4	15,099	3/4	1,573	3/4		3/4		3/4		3/4	
4	74,863	4	59,839	4	44,859	4	29,805	4	14,793	4	1,334	4		4		4		4	
1/4	74,549	1/4	59,528	1/4	44,545	1/4	29,491	1/4	14,487	1/4	1,095	1/4		1/4		1/4		1/4	
1/2	74,236	1/2	59,217	1/2	44,232	1/2	29,177	1/2	14,185	1/2	918	1/2		1/2		1/2		1/2	
3/4	73,922	3/4	58,905	3/4	43,918	3/4	28,864	3/4	13,883	3/4	740	3/4		3/4		3/4		3/4	
5	73,608	5	58,594	5	43,604	5	28,550	5	13,581	5	563	5		5		5		5	
1/4	73,295	1/4	58,283	1/4	43,291	1/4	28,237	1/4	13,279	1/4	386	1/4		1/4		1/4		1/4	
1/2	72,981	1/2	57,972	1/2	42,977	1/2	27,923	1/2	12,981	1/2		1/2		1/2		1/2		1/2	
3/4	72,667	3/4	57,660	3/4	42,663	3/4	27,609	3/4	12,683	3/4		3/4		3/4		3/4		3/4	
6	72,354	6	57,349	6	42,350	6	27,296	6	12,385	6		6		6		6		6	
1/4	72,040	1/4	57,038	1/4	42,036	1/4	26,982	1/4	12,086	1/4		1/4		1/4		1/4		1/4	
1/2	71,726	1/2	56,727	1/2	41,723	1/2	26,668	1/2	11,792	1/2		1/2		1/2		1/2		1/2	
3/4	71,413	3/4	56,415	3/4	41,409	3/4	26,355	3/4	11,498	3/4		3/4		3/4		3/4		3/4	
7	71,099	7	56,104	7	41,095	7	26,041	7	11,203	7		7		7		7		7	
1/4	70,786	1/4	55,793	1/4	40,782	1/4	25,728	1/4	10,909	1/4		1/4		1/4		1/4		1/4	
1/2	70,472	1/2	55,482	1/2	40,468	1/2	25,414	1/2	10,619	1/2		1/2		1/2		1/2		1/2	
3/4	70,158	3/4	55,170	3/4	40,154	3/4	25,100	3/4	10,328	3/4		3/4		3/4		3/4		3/4	
8	69,845	8	54,859	8	39,841	8	24,787	8	10,038	8		8		8		8		8	
1/4	69,531	1/4	54,548	1/4	39,527	1/4	24,473	1/4	9,747	1/4		1/4		1/4		1/4		1/4	
1/2	69,217	1/2	54,237	1/2	39,214	1/2	24,159	1/2	9,461	1/2		1/2		1/2		1/2		1/2	
3/4	68,904	3/4	53,925	3/4	38,900	3/4	23,846	3/4	9,174	3/4		3/4		3/4		3/4		3/4	
9	68,590	9	53,614	9	38,586	9	23,532	9	8,887	9		9		9		9		9	
1/4	68,276	1/4	53,303	1/4	38,273	1/4	23,219	1/4	8,601	1/4		1/4		1/4		1/4		1/4	
1/2	67,963	1/2	52,991	1/2	37,959	1/2	22,905	1/2	8,318	1/2		1/2		1/2		1/2		1/2	
3/4	67,649	3/4	52,680	3/4	37,645	3/4	22,591	3/4	8,035	3/4		3/4		3/4		3/4		3/4	
10	67,336	10	52,368	10	37,332	10	22,278	10	7,753	10		10		10		10		10	
1/4	67,022	1/4	52,057	1/4	37,018	1/4	21,964	1/4	7,470	1/4		1/4		1/4		1/4		1/4	
1/2	66,708	1/2	51,745	1/2	36,705	1/2	21,650	1/2	7,191	1/2		1/2		1/2		1/2		1/2	
3/4	66,395	3/4	51,433	3/4	36,391	3/4	21,337	3/4	6,912	3/4		3/4		3/4		3/4		3/4	
11	66,081	11	51,121	11	36,077	11	21,023	11	6,633	11		11		11		11		11	
1/4	65,767	1/4	50,809	1/4	35,764	1/4	20,710	1/4	6,354	1/4		1/4		1/4		1/4		1/4	
1/2	65,454	1/2	50,497	1/2	35,450	1/2	20,396	1/2	6,079	1/2		1/2		1/2		1/2		1/2	
3/4	65,140	3/4	50,185	3/4	35,136	3/4	20,082	3/4	5,804	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/01/2016 CL
CALCULATED: 11/01/2016 CL
PRINTED: 11/02/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2016

PRECISION MEASUREMENT
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BARGE "HSM 3003"

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	199,583	0	184,610	0	169,619	0	154,602	0	139,584	0	124,567	0	109,550	0	94,527
1/4		1/4		1/4	199,271	1/4	184,298	1/4	169,307	1/4	154,289	1/4	139,271	1/4	124,254	1/4	109,237	1/4	94,214
1/2		1/2		1/2	198,959	1/2	183,986	1/2	168,994	1/2	153,976	1/2	138,959	1/2	123,941	1/2	108,924	1/2	93,901
3/4		3/4		3/4	198,648	3/4	183,674	3/4	168,681	3/4	153,663	3/4	138,646	3/4	123,628	3/4	108,611	3/4	93,588
1		1		1	198,336	1	183,362	1	168,368	1	153,350	1	138,333	1	123,315	1	108,298	1	93,275
1/4		1/4		1/4	198,024	1/4	183,050	1/4	168,055	1/4	153,038	1/4	138,020	1/4	123,003	1/4	107,985	1/4	92,962
1/2		1/2		1/2	197,712	1/2	182,738	1/2	167,742	1/2	152,725	1/2	137,707	1/2	122,690	1/2	107,672	1/2	92,649
3/4		3/4		3/4	197,400	3/4	182,426	3/4	167,429	3/4	152,412	3/4	137,394	3/4	122,377	3/4	107,359	3/4	92,336
2		2	211,011	2	197,088	2	182,114	2	167,117	2	152,099	2	137,081	2	122,064	2	107,046	2	92,023
1/4		1/4		1/4	196,776	1/4	181,802	1/4	166,804	1/4	151,786	1/4	136,769	1/4	121,751	1/4	106,733	1/4	91,710
1/2		1/2		1/2	196,464	1/2	181,490	1/2	166,491	1/2	151,473	1/2	136,456	1/2	121,438	1/2	106,420	1/2	91,397
3/4		3/4		3/4	196,152	3/4	181,178	3/4	166,178	3/4	151,160	3/4	136,143	3/4	121,125	3/4	106,107	3/4	91,084
3		3	210,293	3	195,840	3	180,866	3	165,865	3	150,847	3	135,830	3	120,813	3	105,794	3	90,771
1/4		1/4		1/4	195,528	1/4	180,554	1/4	165,552	1/4	150,535	1/4	135,517	1/4	120,500	1/4	105,481	1/4	90,458
1/2		1/2		1/2	195,216	1/2	180,242	1/2	165,239	1/2	150,222	1/2	135,204	1/2	120,187	1/2	105,168	1/2	90,145
3/4		3/4		3/4	194,904	3/4	179,930	3/4	164,926	3/4	149,909	3/4	134,891	3/4	119,874	3/4	104,855	3/4	89,832
4		4	209,366	4	194,592	4	179,618	4	164,614	4	149,596	4	134,578	4	119,561	4	104,542	4	89,519
1/4		1/4		1/4	194,280	1/4	179,306	1/4	164,301	1/4	149,283	1/4	134,266	1/4	119,248	1/4	104,229	1/4	89,206
1/2		1/2		1/2	193,968	1/2	178,994	1/2	163,988	1/2	148,970	1/2	133,953	1/2	118,935	1/2	103,916	1/2	88,893
3/4		3/4		3/4	193,656	3/4	178,683	3/4	163,675	3/4	148,657	3/4	133,640	3/4	118,623	3/4	103,603	3/4	88,580
5		5	208,246	5	193,344	5	178,371	5	163,362	5	148,345	5	133,327	5	118,310	5	103,290	5	88,267
1/4		1/4		1/4	193,032	1/4	178,059	1/4	163,049	1/4	148,032	1/4	133,014	1/4	117,997	1/4	102,978	1/4	87,954
1/2		1/2		1/2	192,720	1/2	177,747	1/2	162,736	1/2	147,719	1/2	132,701	1/2	117,684	1/2	102,665	1/2	87,641
3/4		3/4		3/4	192,408	3/4	177,435	3/4	162,424	3/4	147,406	3/4	132,388	3/4	117,371	3/4	102,352	3/4	87,328
6		6	207,023	6	192,097	6	177,123	6	162,111	6	147,093	6	132,076	6	117,058	6	102,039	6	87,015
1/4		1/4		1/4	191,785	1/4	176,811	1/4	161,798	1/4	146,780	1/4	131,763	1/4	116,745	1/4	101,726	1/4	86,702
1/2		1/2		1/2	191,473	1/2	176,499	1/2	161,485	1/2	146,467	1/2	131,450	1/2	116,433	1/2	101,413	1/2	86,389
3/4		3/4		3/4	191,161	3/4	176,187	3/4	161,172	3/4	146,154	3/4	131,137	3/4	116,120	3/4	101,100	3/4	86,076
7		7	205,785	7	190,849	7	175,875	7	160,859	7	145,842	7	130,824	7	115,807	7	100,787	7	85,763
1/4		1/4		1/4	190,537	1/4	175,563	1/4	160,546	1/4	145,529	1/4	130,511	1/4	115,494	1/4	100,474	1/4	85,450
1/2		1/2		1/2	190,225	1/2	175,250	1/2	160,233	1/2	145,216	1/2	130,198	1/2	115,181	1/2	100,161	1/2	85,137
3/4		3/4		3/4	189,913	3/4	174,938	3/4	159,921	3/4	144,903	3/4	129,886	3/4	114,868	3/4	99,848	3/4	84,824
8		8	204,545	8	189,601	8	174,625	8	159,608	8	144,590	8	129,573	8	114,555	8	99,535	8	84,511
1/4		1/4		1/4	189,289	1/4	174,312	1/4	159,295	1/4	144,277	1/4	129,260	1/4	114,243	1/4	99,222	1/4	84,198
1/2		1/2		1/2	188,977	1/2	174,000	1/2	158,982	1/2	143,964	1/2	128,947	1/2	113,930	1/2	98,909	1/2	83,885
3/4		3/4		3/4	188,665	3/4	173,687	3/4	158,669	3/4	143,652	3/4	128,634	3/4	113,617	3/4	98,596	3/4	83,572
9		9	203,306	9	188,353	9	173,374	9	158,356	9	143,339	9	128,321	9	113,304	9	98,283	9	83,259
1/4		1/4		1/4	188,041	1/4	173,061	1/4	158,043	1/4	143,026	1/4	128,008	1/4	112,991	1/4	97,970	1/4	82,946
1/2		1/2		1/2	187,729	1/2	172,748	1/2	157,731	1/2	142,713	1/2	127,696	1/2	112,678	1/2	97,657	1/2	82,633
3/4		3/4		3/4	187,417	3/4	172,435	3/4	157,418	3/4	142,400	3/4	127,383	3/4	112,365	3/4	97,344	3/4	82,320
10		10	202,066	10	187,105	10	172,122	10	157,105	10	142,087	10	127,070	10	112,052	10	97,031	10	82,007
1/4		1/4		1/4	186,793	1/4	171,810	1/4	156,792	1/4	141,774	1/4	126,757	1/4	111,740	1/4	96,718	1/4	81,694
1/2		1/2		1/2	186,481	1/2	171,497	1/2	156,479	1/2	141,461	1/2	126,444	1/2	111,427	1/2	96,405	1/2	81,381
3/4		3/4		3/4	186,169	3/4	171,184	3/4	156,166	3/4	141,149	3/4	126,131	3/4	111,114	3/4	96,092	3/4	81,068
11		11	200,827	11	185,857	11	170,871	11	155,853	11	140,836	11	125,818	11	110,801	11	95,779	11	80,755
1/4		1/4		1/4	185,545	1/4	170,558	1/4	155,540	1/4	140,523	1/4	125,506	1/4	110,488	1/4	95,466	1/4	80,442
1/2		1/2		1/2	185,234	1/2	170,245	1/2	155,228	1/2	140,210	1/2	125,193	1/2	110,175	1/2	95,153	1/2	80,129
3/4		3/4		3/4	184,922	3/4	169,932	3/4	154,915	3/4	139,897	3/4	124,880	3/4	109,862	3/4	94,840	3/4	79,816

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 OF THREADS ON "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 3003"

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	79,503	0	64,479	0	49,463	0	34,439	0	19,416	0	5,244	0		0		0		0	
1/4	79,190	1/4	64,166	1/4	49,150	1/4	34,126	1/4	19,103	1/4	4,973	1/4		1/4		1/4		1/4	
1/2	78,877	1/2	63,853	1/2	48,837	1/2	33,813	1/2	18,790	1/2	4,703	1/2		1/2		1/2		1/2	
3/4	78,564	3/4	63,540	3/4	48,524	3/4	33,500	3/4	18,477	3/4	4,432	3/4		3/4		3/4		3/4	
1	78,251	1	63,227	1	48,211	1	33,187	1	18,164	1	4,162	1		1		1		1	
1/4	77,938	1/4	62,914	1/4	47,898	1/4	32,874	1/4	17,852	1/4	3,895	1/4		1/4		1/4		1/4	
1/2	77,625	1/2	62,601	1/2	47,585	1/2	32,561	1/2	17,540	1/2	3,629	1/2		1/2		1/2		1/2	
3/4	77,312	3/4	62,288	3/4	47,272	3/4	32,248	3/4	17,228	3/4	3,362	3/4		3/4		3/4		3/4	
2	76,999	2	61,975	2	46,959	2	31,935	2	16,916	2	3,096	2		2		2		2	
1/4	76,686	1/4	61,662	1/4	46,646	1/4	31,622	1/4	16,607	1/4	2,834	1/4		1/4		1/4		1/4	
1/2	76,373	1/2	61,350	1/2	46,333	1/2	31,309	1/2	16,298	1/2	2,572	1/2		1/2		1/2		1/2	
3/4	76,060	3/4	61,037	3/4	46,020	3/4	30,996	3/4	15,988	3/4	2,310	3/4		3/4		3/4		3/4	
3	75,747	3	60,724	3	45,707	3	30,683	3	15,679	3	2,048	3		3		3		3	
1/4	75,434	1/4	60,411	1/4	45,394	1/4	30,370	1/4	15,374	1/4	1,809	1/4		1/4		1/4		1/4	
1/2	75,121	1/2	60,098	1/2	45,081	1/2	30,057	1/2	15,069	1/2	1,571	1/2		1/2		1/2		1/2	
3/4	74,808	3/4	59,786	3/4	44,768	3/4	29,744	3/4	14,763	3/4	1,332	3/4		3/4		3/4		3/4	
4	74,495	4	59,473	4	44,455	4	29,431	4	14,458	4	1,093	4		4		4		4	
1/4	74,182	1/4	59,160	1/4	44,142	1/4	29,118	1/4	14,157	1/4	916	1/4		1/4		1/4		1/4	
1/2	73,869	1/2	58,847	1/2	43,829	1/2	28,805	1/2	13,855	1/2	739	1/2		1/2		1/2		1/2	
3/4	73,556	3/4	58,535	3/4	43,516	3/4	28,492	3/4	13,554	3/4	562	3/4		3/4		3/4		3/4	
5	73,243	5	58,222	5	43,203	5	28,179	5	13,252	5	385	5		5		5		5	
1/4	72,930	1/4	57,909	1/4	42,890	1/4	27,866	1/4	12,955	1/4		1/4		1/4		1/4		1/4	
1/2	72,617	1/2	57,596	1/2	42,577	1/2	27,553	1/2	12,657	1/2		1/2		1/2		1/2		1/2	
3/4	72,304	3/4	57,283	3/4	42,264	3/4	27,241	3/4	12,360	3/4		3/4		3/4		3/4		3/4	
6	71,991	6	56,971	6	41,951	6	26,928	6	12,062	6		6		6		6		6	
1/4	71,678	1/4	56,658	1/4	41,638	1/4	26,615	1/4	11,768	1/4		1/4		1/4		1/4		1/4	
1/2	71,365	1/2	56,345	1/2	41,325	1/2	26,302	1/2	11,475	1/2		1/2		1/2		1/2		1/2	
3/4	71,052	3/4	56,032	3/4	41,012	3/4	25,989	3/4	11,181	3/4		3/4		3/4		3/4		3/4	
7	70,739	7	55,720	7	40,699	7	25,676	7	10,887	7		7		7		7		7	
1/4	70,426	1/4	55,407	1/4	40,386	1/4	25,363	1/4	10,597	1/4		1/4		1/4		1/4		1/4	
1/2	70,113	1/2	55,094	1/2	40,073	1/2	25,050	1/2	10,307	1/2		1/2		1/2		1/2		1/2	
3/4	69,800	3/4	54,781	3/4	39,760	3/4	24,737	3/4	10,018	3/4		3/4		3/4		3/4		3/4	
8	69,487	8	54,469	8	39,447	8	24,424	8	9,728	8		8		8		8		8	
1/4	69,174	1/4	54,156	1/4	39,134	1/4	24,111	1/4	9,442	1/4		1/4		1/4		1/4		1/4	
1/2	68,861	1/2	53,843	1/2	38,821	1/2	23,798	1/2	9,156	1/2		1/2		1/2		1/2		1/2	
3/4	68,548	3/4	53,530	3/4	38,508	3/4	23,485	3/4	8,870	3/4		3/4		3/4		3/4		3/4	
9	68,235	9	53,218	9	38,195	9	23,172	9	8,584	9		9		9		9		9	
1/4	67,922	1/4	52,905	1/4	37,882	1/4	22,859	1/4	8,302	1/4		1/4		1/4		1/4		1/4	
1/2	67,609	1/2	52,592	1/2	37,569	1/2	22,546	1/2	8,019	1/2		1/2		1/2		1/2		1/2	
3/4	67,296	3/4	52,279	3/4	37,256	3/4	22,233	3/4	7,737	3/4		3/4		3/4		3/4		3/4	
10	66,983	10	51,966	10	36,943	10	21,920	10	7,455	10		10		10		10		10	
1/4	66,670	1/4	51,653	1/4	36,630	1/4	21,607	1/4	7,177	1/4		1/4		1/4		1/4		1/4	
1/2	66,357	1/2	51,340	1/2	36,317	1/2	21,294	1/2	6,898	1/2		1/2		1/2		1/2		1/2	
3/4	66,044	3/4	51,027	3/4	36,004	3/4	20,981	3/4	6,620	3/4		3/4		3/4		3/4		3/4	
11	65,731	11	50,715	11	35,691	11	20,668	11	6,342	11		11		11		11		11	
1/4	65,418	1/4	50,402	1/4	35,378	1/4	20,355	1/4	6,067	1/4		1/4		1/4		1/4		1/4	
1/2	65,105	1/2	50,089	1/2	35,065	1/2	20,042	1/2	5,793	1/2		1/2		1/2		1/2		1/2	
3/4	64,792	3/4	49,776	3/4	34,752	3/4	19,729	3/4	5,518	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/01/2016 CL
CALCULATED: 11/01/2016 CL
PRINTED: 11/02/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2016

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "HSM 3003"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 04 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	201,127	0	186,099	0	171,049	0	155,969	0	140,889	0	125,810	0	110,730	0	95,643
1/4		1/4		1/4	200,814	1/4	185,786	1/4	170,735	1/4	155,655	1/4	140,575	1/4	125,495	1/4	110,416	1/4	95,329
1/2		1/2		1/2	200,501	1/2	185,473	1/2	170,421	1/2	155,341	1/2	140,261	1/2	125,181	1/2	110,101	1/2	95,014
3/4		3/4		3/4	200,188	3/4	185,160	3/4	170,106	3/4	155,027	3/4	139,947	3/4	124,867	3/4	109,787	3/4	94,700
1		1		1	199,875	1	184,846	1	169,792	1	154,712	1	139,633	1	124,553	1	109,473	1	94,386
1/4		1/4		1/4	199,562	1/4	184,533	1/4	169,478	1/4	154,398	1/4	139,319	1/4	124,239	1/4	109,159	1/4	94,071
1/2		1/2		1/2	213,187	1/2	199,249	1/2	184,220	1/2	169,164	1/2	154,084	1/2	139,004	1/2	123,925	1/2	108,844
3/4		3/4		3/4	213,008	3/4	198,936	3/4	183,907	3/4	168,850	3/4	153,770	3/4	138,690	3/4	123,610	3/4	108,530
2		2		2	212,829	2	198,623	2	183,594	2	168,536	2	153,456	2	138,376	2	123,296	2	108,216
1/4		1/4		1/4	212,649	1/4	198,310	1/4	183,281	1/4	168,221	1/4	153,142	1/4	138,062	1/4	122,982	1/4	107,901
1/2		1/2		1/2	212,470	1/2	197,996	1/2	182,968	1/2	167,907	1/2	152,827	1/2	137,748	1/2	122,668	1/2	107,587
3/4		3/4		3/4	212,239	3/4	197,683	3/4	182,655	3/4	167,593	3/4	152,513	3/4	137,434	3/4	122,354	3/4	107,273
3		3		3	212,007	3	197,370	3	182,342	3	167,279	3	152,199	3	137,119	3	122,040	3	106,959
1/4		1/4		1/4	211,776	1/4	197,057	1/4	182,029	1/4	166,965	1/4	151,885	1/4	136,805	1/4	121,725	1/4	106,644
1/2		1/2		1/2	211,544	1/2	196,744	1/2	181,715	1/2	166,651	1/2	151,571	1/2	136,491	1/2	121,411	1/2	106,330
3/4		3/4		3/4	211,264	3/4	196,431	3/4	181,402	3/4	166,336	3/4	151,257	3/4	136,177	3/4	121,097	3/4	106,016
4		4		4	210,984	4	196,118	4	181,089	4	166,022	4	150,943	4	135,863	4	120,783	4	105,701
1/4		1/4		1/4	210,703	1/4	195,805	1/4	180,776	1/4	165,708	1/4	150,628	1/4	135,549	1/4	120,469	1/4	105,387
1/2		1/2		1/2	210,423	1/2	195,492	1/2	180,463	1/2	165,394	1/2	150,314	1/2	135,234	1/2	120,155	1/2	105,073
3/4		3/4		3/4	210,117	3/4	195,179	3/4	180,150	3/4	165,080	3/4	150,000	3/4	134,920	3/4	119,840	3/4	104,758
5		5		5	209,811	5	194,866	5	179,837	5	164,766	5	149,686	5	134,606	5	119,526	5	104,444
1/4		1/4		1/4	209,505	1/4	194,552	1/4	179,524	1/4	164,451	1/4	149,372	1/4	134,292	1/4	119,212	1/4	104,130
1/2		1/2		1/2	209,200	1/2	194,239	1/2	179,211	1/2	164,137	1/2	149,058	1/2	133,978	1/2	118,898	1/2	103,815
3/4		3/4		3/4	208,890	3/4	193,926	3/4	178,898	3/4	163,823	3/4	148,743	3/4	133,664	3/4	118,584	3/4	103,501
6		6		6	208,580	6	193,613	6	178,585	6	163,509	6	148,429	6	133,349	6	118,270	6	103,187
1/4		1/4		1/4	208,271	1/4	193,300	1/4	178,271	1/4	163,195	1/4	148,115	1/4	133,035	1/4	117,955	1/4	102,872
1/2		1/2		1/2	207,961	1/2	192,987	1/2	177,958	1/2	162,881	1/2	147,801	1/2	132,721	1/2	117,641	1/2	102,558
3/4		3/4		3/4	207,651	3/4	192,674	3/4	177,645	3/4	162,567	3/4	147,487	3/4	132,407	3/4	117,327	3/4	102,244
7		7		7	207,341	7	192,361	7	177,331	7	162,252	7	147,173	7	132,093	7	117,013	7	101,929
1/4		1/4		1/4	207,031	1/4	192,048	1/4	177,017	1/4	161,938	1/4	146,858	1/4	131,779	1/4	116,699	1/4	101,615
1/2		1/2		1/2	206,721	1/2	191,735	1/2	176,704	1/2	161,624	1/2	146,544	1/2	131,464	1/2	116,385	1/2	101,301
3/4		3/4		3/4	206,411	3/4	191,421	3/4	176,390	3/4	161,310	3/4	146,230	3/4	131,150	3/4	116,070	3/4	100,986
8		8		8	206,100	8	191,108	8	176,076	8	160,996	8	145,916	8	130,836	8	115,756	8	100,672
1/4		1/4		1/4	205,790	1/4	190,795	1/4	175,761	1/4	160,682	1/4	145,602	1/4	130,522	1/4	115,442	1/4	100,358
1/2		1/2		1/2	205,480	1/2	190,482	1/2	175,447	1/2	160,367	1/2	145,288	1/2	130,208	1/2	115,128	1/2	100,043
3/4		3/4		3/4	205,170	3/4	190,169	3/4	175,133	3/4	160,053	3/4	144,973	3/4	129,894	3/4	114,814	3/4	99,729
9		9		9	204,860	9	189,856	9	174,819	9	159,739	9	144,659	9	129,579	9	114,500	9	99,415
1/4		1/4		1/4	204,550	1/4	189,543	1/4	174,505	1/4	159,425	1/4	144,345	1/4	129,265	1/4	114,186	1/4	99,101
1/2		1/2		1/2	204,240	1/2	189,230	1/2	174,191	1/2	159,111	1/2	144,031	1/2	128,951	1/2	113,871	1/2	98,786
3/4		3/4		3/4	203,930	3/4	188,917	3/4	173,876	3/4	158,797	3/4	143,717	3/4	128,637	3/4	113,557	3/4	98,472
10		10		10	203,620	10	188,604	10	173,562	10	158,482	10	143,403	10	128,323	10	113,243	10	98,158
1/4		1/4		1/4	203,310	1/4	188,291	1/4	173,248	1/4	158,168	1/4	143,088	1/4	128,009	1/4	112,929	1/4	97,843
1/2		1/2		1/2	203,000	1/2	187,977	1/2	172,934	1/2	157,854	1/2	142,774	1/2	127,694	1/2	112,615	1/2	97,529
3/4		3/4		3/4	202,688	3/4	187,664	3/4	172,620	3/4	157,540	3/4	142,460	3/4	127,380	3/4	112,301	3/4	97,215
11		11		11	202,377	11	187,351	11	172,306	11	157,226	11	142,146	11	127,066	11	111,986	11	96,900
1/4		1/4		1/4	202,065	1/4	187,038	1/4	171,991	1/4	156,912	1/4	141,832	1/4	126,752	1/4	111,672	1/4	96,586
1/2		1/2		1/2	201,754	1/2	186,725	1/2	171,677	1/2	156,597	1/2	141,518	1/2	126,438	1/2	111,358	1/2	96,272
3/4		3/4		3/4	201,441	3/4	186,412	3/4	171,363	3/4	156,283	3/4	141,203	3/4	126,124	3/4	111,044	3/4	95,957

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

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





BARGE "HSM 3003"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 04 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	80,556	0	65,480	0	50,947	0	36,449	0	21,376	0	6,289	0		0		0		0	
1/4	80,241	1/4	65,172	1/4	50,645	1/4	36,140	1/4	21,062	1/4	5,975	1/4		1/4		1/4		1/4	
1/2	79,927	1/2	64,863	1/2	50,343	1/2	35,832	1/2	20,747	1/2	5,660	1/2		1/2		1/2		1/2	
3/4	79,613	3/4	64,561	3/4	50,041	3/4	35,518	3/4	20,433	3/4	5,346	3/4		3/4		3/4		3/4	
1	79,298	1	64,258	1	49,739	1	35,203	1	20,119	1	5,032	1		1		1		1	
1/4	78,984	1/4	63,956	1/4	49,437	1/4	34,889	1/4	19,804	1/4	4,718	1/4		1/4		1/4		1/4	
1/2	78,670	1/2	63,653	1/2	49,136	1/2	34,575	1/2	19,490	1/2	4,404	1/2		1/2		1/2		1/2	
3/4	78,355	3/4	63,350	3/4	48,834	3/4	34,260	3/4	19,176	3/4	4,091	3/4		3/4		3/4		3/4	
2	78,041	2	63,048	2	48,532	2	33,946	2	18,861	2	3,778	2		2		2		2	
1/4	77,727	1/4	62,745	1/4	48,230	1/4	33,632	1/4	18,547	1/4	3,464	1/4		1/4		1/4		1/4	
1/2	77,412	1/2	62,443	1/2	47,929	1/2	33,317	1/2	18,233	1/2	3,151	1/2		1/2		1/2		1/2	
3/4	77,098	3/4	62,140	3/4	47,627	3/4	33,003	3/4	17,918	3/4	2,857	3/4		3/4		3/4		3/4	
3	76,784	3	61,838	3	47,325	3	32,689	3	17,604	3	2,563	3		3		3		3	
1/4	76,469	1/4	61,535	1/4	47,024	1/4	32,374	1/4	17,290	1/4	2,269	1/4		1/4		1/4		1/4	
1/2	76,155	1/2	61,233	1/2	46,722	1/2	32,060	1/2	16,976	1/2	1,975	1/2		1/2		1/2		1/2	
3/4	75,841	3/4	60,930	3/4	46,421	3/4	31,746	3/4	16,661	3/4	1,740	3/4		3/4		3/4		3/4	
4	75,526	4	60,628	4	46,119	4	31,432	4	16,347	4	1,504	4		4		4		4	
1/4	75,212	1/4	60,325	1/4	45,817	1/4	31,117	1/4	16,033	1/4	1,268	1/4		1/4		1/4		1/4	
1/2	74,898	1/2	60,023	1/2	45,516	1/2	30,803	1/2	15,718	1/2	1,033	1/2		1/2		1/2		1/2	
3/4	74,584	3/4	59,720	3/4	45,214	3/4	30,489	3/4	15,404	3/4		3/4		3/4		3/4		3/4	
5	74,269	5	59,418	5	44,913	5	30,174	5	15,090	5		5		5		5		5	
1/4	73,955	1/4	59,115	1/4	44,611	1/4	29,860	1/4	14,775	1/4		1/4		1/4		1/4		1/4	
1/2	73,641	1/2	58,812	1/2	44,309	1/2	29,546	1/2	14,461	1/2		1/2		1/2		1/2		1/2	
3/4	73,326	3/4	58,510	3/4	44,008	3/4	29,232	3/4	14,147	3/4		3/4		3/4		3/4		3/4	
6	73,012	6	58,207	6	43,706	6	28,918	6	13,832	6		6		6		6		6	
1/4	72,698	1/4	57,905	1/4	43,405	1/4	28,604	1/4	13,518	1/4		1/4		1/4		1/4		1/4	
1/2	72,383	1/2	57,602	1/2	43,103	1/2	28,290	1/2	13,204	1/2		1/2		1/2		1/2		1/2	
3/4	72,069	3/4	57,300	3/4	42,802	3/4	27,975	3/4	12,890	3/4		3/4		3/4		3/4		3/4	
7	71,755	7	56,997	7	42,500	7	27,661	7	12,575	7		7		7		7		7	
1/4	71,440	1/4	56,695	1/4	42,198	1/4	27,347	1/4	12,261	1/4		1/4		1/4		1/4		1/4	
1/2	71,126	1/2	56,392	1/2	41,897	1/2	27,033	1/2	11,947	1/2		1/2		1/2		1/2		1/2	
3/4	70,812	3/4	56,090	3/4	41,595	3/4	26,719	3/4	11,632	3/4		3/4		3/4		3/4		3/4	
8	70,497	8	55,787	8	41,294	8	26,405	8	11,318	8		8		8		8		8	
1/4	70,183	1/4	55,485	1/4	40,992	1/4	26,091	1/4	11,004	1/4		1/4		1/4		1/4		1/4	
1/2	69,869	1/2	55,182	1/2	40,690	1/2	25,776	1/2	10,689	1/2		1/2		1/2		1/2		1/2	
3/4	69,554	3/4	54,879	3/4	40,389	3/4	25,462	3/4	10,375	3/4		3/4		3/4		3/4		3/4	
9	69,240	9	54,577	9	40,087	9	25,148	9	10,061	9		9		9		9		9	
1/4	68,926	1/4	54,274	1/4	39,786	1/4	24,833	1/4	9,746	1/4		1/4		1/4		1/4		1/4	
1/2	68,611	1/2	53,972	1/2	39,484	1/2	24,519	1/2	9,432	1/2		1/2		1/2		1/2		1/2	
3/4	68,297	3/4	53,669	3/4	39,182	3/4	24,205	3/4	9,118	3/4		3/4		3/4		3/4		3/4	
10	67,983	10	53,367	10	38,880	10	23,890	10	8,803	10		10		10		10		10	
1/4	67,668	1/4	53,064	1/4	38,578	1/4	23,576	1/4	8,489	1/4		1/4		1/4		1/4		1/4	
1/2	67,354	1/2	52,762	1/2	38,276	1/2	23,262	1/2	8,175	1/2		1/2		1/2		1/2		1/2	
3/4	67,040	3/4	52,459	3/4	37,973	3/4	22,947	3/4	7,861	3/4		3/4		3/4		3/4		3/4	
11	66,726	11	52,157	11	37,671	11	22,633	11	7,546	11		11		11		11		11	
1/4	66,411	1/4	51,854	1/4	37,368	1/4	22,319	1/4	7,232	1/4		1/4		1/4		1/4		1/4	
1/2	66,097	1/2	51,552	1/2	37,066	1/2	22,005	1/2	6,918	1/2		1/2		1/2		1/2		1/2	
3/4	65,788	3/4	51,249	3/4	36,757	3/4	21,690	3/4	6,603	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/01/2016 CL
CALCULATED: 11/01/2016 CL
PRINTED: 11/02/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2016

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "HSM 3003"

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	202,575	0	187,569	0	172,545	0	157,488	0	142,431	0	127,375	0	112,318	0	97,255
1/4		1/4		1/4	202,262	1/4	187,257	1/4	172,231	1/4	157,174	1/4	142,118	1/4	127,061	1/4	112,004	1/4	96,941
1/2		1/2		1/2	201,950	1/2	186,944	1/2	171,917	1/2	156,861	1/2	141,804	1/2	126,747	1/2	111,691	1/2	96,627
3/4		3/4		3/4	201,637	3/4	186,632	3/4	171,604	3/4	156,547	3/4	141,490	3/4	126,434	3/4	111,377	3/4	96,313
1		1		1	201,325	1	186,319	1	171,290	1	156,233	1	141,177	1	126,120	1	111,063	1	96,000
1/4		1/4		1/4	201,012	1/4	186,006	1/4	170,976	1/4	155,920	1/4	140,863	1/4	125,806	1/4	110,750	1/4	95,686
1/2		1/2		1/2	200,699	1/2	185,694	1/2	170,663	1/2	155,606	1/2	140,549	1/2	125,493	1/2	110,436	1/2	95,372
3/4		3/4		3/4	200,387	3/4	185,381	3/4	170,349	3/4	155,292	3/4	140,236	3/4	125,179	3/4	110,122	3/4	95,058
2		2	213,991	2	200,074	2	185,069	2	170,035	2	154,979	2	139,922	2	124,865	2	109,808	2	94,744
1/4		1/4	213,812	1/4	199,762	1/4	184,756	1/4	169,722	1/4	154,665	1/4	139,608	1/4	124,552	1/4	109,495	1/4	94,430
1/2		1/2	213,633	1/2	199,449	1/2	184,443	1/2	169,408	1/2	154,351	1/2	139,295	1/2	124,238	1/2	109,181	1/2	94,116
3/4		3/4	213,454	3/4	199,136	3/4	184,131	3/4	169,094	3/4	154,038	3/4	138,981	3/4	123,924	3/4	108,867	3/4	93,803
3		3	213,275	3	198,824	3	183,818	3	168,781	3	153,724	3	138,667	3	123,611	3	108,553	3	93,489
1/4		1/4	213,044	1/4	198,511	1/4	183,505	1/4	168,467	1/4	153,410	1/4	138,354	1/4	123,297	1/4	108,239	1/4	93,175
1/2		1/2	212,813	1/2	198,198	1/2	183,193	1/2	168,153	1/2	153,097	1/2	138,040	1/2	122,983	1/2	107,925	1/2	92,861
3/4		3/4	212,582	3/4	197,886	3/4	182,880	3/4	167,840	3/4	152,783	3/4	137,726	3/4	122,670	3/4	107,612	3/4	92,547
4		4	212,350	4	197,573	4	182,568	4	167,526	4	152,469	4	137,413	4	122,356	4	107,298	4	92,233
1/4		1/4	212,071	1/4	197,261	1/4	182,255	1/4	167,212	1/4	152,156	1/4	137,099	1/4	122,042	1/4	106,984	1/4	91,920
1/2		1/2	211,791	1/2	196,948	1/2	181,942	1/2	166,899	1/2	151,842	1/2	136,785	1/2	121,729	1/2	106,670	1/2	91,606
3/4		3/4	211,511	3/4	196,635	3/4	181,630	3/4	166,585	3/4	151,528	3/4	136,472	3/4	121,415	3/4	106,356	3/4	91,292
5		5	211,232	5	196,323	5	181,317	5	166,271	5	151,214	5	136,158	5	121,101	5	106,042	5	90,978
1/4		1/4	210,926	1/4	196,010	1/4	181,005	1/4	165,957	1/4	150,901	1/4	135,844	1/4	120,787	1/4	105,728	1/4	90,664
1/2		1/2	210,621	1/2	195,698	1/2	180,692	1/2	165,644	1/2	150,587	1/2	135,530	1/2	120,474	1/2	105,415	1/2	90,350
3/4		3/4	210,315	3/4	195,385	3/4	180,379	3/4	165,330	3/4	150,273	3/4	135,217	3/4	120,160	3/4	105,101	3/4	90,037
6		6	210,010	6	195,072	6	180,067	6	165,016	6	149,960	6	134,903	6	119,846	6	104,787	6	89,723
1/4		1/4	209,700	1/4	194,760	1/4	179,754	1/4	164,703	1/4	149,646	1/4	134,589	1/4	119,533	1/4	104,473	1/4	89,409
1/2		1/2	209,391	1/2	194,447	1/2	179,441	1/2	164,389	1/2	149,332	1/2	134,276	1/2	119,219	1/2	104,159	1/2	89,095
3/4		3/4	209,082	3/4	194,134	3/4	179,129	3/4	164,075	3/4	149,019	3/4	133,962	3/4	118,905	3/4	103,845	3/4	88,781
7		7	208,773	7	193,822	7	178,816	7	163,762	7	148,705	7	133,648	7	118,592	7	103,532	7	88,467
1/4		1/4	208,463	1/4	193,509	1/4	178,503	1/4	163,448	1/4	148,391	1/4	133,335	1/4	118,278	1/4	103,218	1/4	88,154
1/2		1/2	208,154	1/2	193,197	1/2	178,190	1/2	163,134	1/2	148,078	1/2	133,021	1/2	117,964	1/2	102,904	1/2	87,840
3/4		3/4	207,844	3/4	192,884	3/4	177,877	3/4	162,821	3/4	147,764	3/4	132,707	3/4	117,651	3/4	102,590	3/4	87,526
8		8	207,535	8	192,571	8	177,564	8	162,507	8	147,450	8	132,394	8	117,337	8	102,276	8	87,212
1/4		1/4	207,225	1/4	192,259	1/4	177,250	1/4	162,193	1/4	147,137	1/4	132,080	1/4	117,023	1/4	101,962	1/4	86,898
1/2		1/2	206,915	1/2	191,946	1/2	176,936	1/2	161,880	1/2	146,823	1/2	131,766	1/2	116,710	1/2	101,649	1/2	86,584
3/4		3/4	206,606	3/4	191,634	3/4	176,623	3/4	161,566	3/4	146,509	3/4	131,453	3/4	116,396	3/4	101,335	3/4	86,271
9		9	206,296	9	191,321	9	176,309	9	161,252	9	146,196	9	131,139	9	116,082	9	101,021	9	85,957
1/4		1/4	205,986	1/4	191,008	1/4	175,995	1/4	160,939	1/4	145,882	1/4	130,825	1/4	115,769	1/4	100,707	1/4	85,643
1/2		1/2	205,677	1/2	190,696	1/2	175,682	1/2	160,625	1/2	145,568	1/2	130,512	1/2	115,455	1/2	100,393	1/2	85,329
3/4		3/4	205,367	3/4	190,383	3/4	175,368	3/4	160,311	3/4	145,255	3/4	130,198	3/4	115,141	3/4	100,079	3/4	85,015
10		10	205,057	10	190,070	10	175,054	10	159,998	10	144,941	10	129,884	10	114,828	10	99,766	10	84,701
1/4		1/4	204,748	1/4	189,758	1/4	174,741	1/4	159,684	1/4	144,627	1/4	129,571	1/4	114,514	1/4	99,452	1/4	84,387
1/2		1/2	204,438	1/2	189,445	1/2	174,427	1/2	159,370	1/2	144,314	1/2	129,257	1/2	114,200	1/2	99,138	1/2	84,074
3/4		3/4	204,129	3/4	189,133	3/4	174,113	3/4	159,057	3/4	144,000	3/4	128,943	3/4	113,887	3/4	98,824	3/4	83,760
11		11	203,819	11	188,820	11	173,799	11	158,743	11	143,686	11	128,630	11	113,573	11	98,510	11	83,446
1/4		1/4	203,508	1/4	188,507	1/4	173,486	1/4	158,429	1/4	143,372	1/4	128,316	1/4	113,259	1/4	98,196	1/4	83,132
1/2		1/2	203,197	1/2	188,195	1/2	173,172	1/2	158,115	1/2	143,059	1/2	128,002	1/2	112,945	1/2	97,883	1/2	82,818
3/4		3/4	202,886	3/4	187,886	3/4	172,858	3/4	157,802	3/4	142,745	3/4	127,688	3/4	112,632	3/4	97,569	3/4	82,504

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

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



BARGE "HSM 3003"

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	82,191	0	67,126	0	52,062	0	37,033	0	21,971	0	6,907	0		0		0		0	
1/4	81,877	1/4	66,813	1/4	51,749	1/4	36,720	1/4	21,658	1/4	6,594	1/4		1/4		1/4		1/4	
1/2	81,563	1/2	66,499	1/2	51,435	1/2	36,406	1/2	21,344	1/2	6,280	1/2		1/2		1/2		1/2	
3/4	81,249	3/4	66,185	3/4	51,122	3/4	36,092	3/4	21,030	3/4	5,966	3/4		3/4		3/4		3/4	
1	80,935	1	65,871	1	50,808	1	35,778	1	20,716	1	5,652	1		1		1		1	
1/4	80,621	1/4	65,557	1/4	50,495	1/4	35,464	1/4	20,402	1/4	5,338	1/4		1/4		1/4		1/4	
1/2	80,308	1/2	65,243	1/2	50,182	1/2	35,150	1/2	20,088	1/2	5,025	1/2		1/2		1/2		1/2	
3/4	79,994	3/4	64,930	3/4	49,869	3/4	34,837	3/4	19,775	3/4	4,711	3/4		3/4		3/4		3/4	
2	79,680	2	64,616	2	49,556	2	34,523	2	19,461	2	4,398	2		2		2		2	
1/4	79,366	1/4	64,302	1/4	49,243	1/4	34,209	1/4	19,147	1/4	4,085	1/4		1/4		1/4		1/4	
1/2	79,052	1/2	63,988	1/2	48,930	1/2	33,895	1/2	18,833	1/2	3,772	1/2		1/2		1/2		1/2	
3/4	78,738	3/4	63,674	3/4	48,617	3/4	33,581	3/4	18,519	3/4	3,459	3/4		3/4		3/4		3/4	
3	78,425	3	63,360	3	48,304	3	33,267	3	18,205	3	3,146	3		3		3		3	
1/4	78,111	1/4	63,047	1/4	47,991	1/4	32,953	1/4	17,892	1/4	2,833	1/4		1/4		1/4		1/4	
1/2	77,797	1/2	62,733	1/2	47,678	1/2	32,640	1/2	17,578	1/2	2,559	1/2		1/2		1/2		1/2	
3/4	77,483	3/4	62,419	3/4	47,365	3/4	32,326	3/4	17,264	3/4	2,266	3/4		3/4		3/4		3/4	
4	77,169	4	62,105	4	47,052	4	32,012	4	16,950	4	1,973	4		4		4		4	
1/4	76,855	1/4	61,791	1/4	46,739	1/4	31,698	1/4	16,636	1/4	1,737	1/4		1/4		1/4		1/4	
1/2	76,542	1/2	61,477	1/2	46,426	1/2	31,384	1/2	16,322	1/2	1,502	1/2		1/2		1/2		1/2	
3/4	76,228	3/4	61,163	3/4	46,113	3/4	31,070	3/4	16,009	3/4	1,267	3/4		3/4		3/4		3/4	
5	75,914	5	60,850	5	45,800	5	30,757	5	15,695	5	1,032	5		5		5		5	
1/4	75,600	1/4	60,536	1/4	45,487	1/4	30,443	1/4	15,381	1/4		1/4		1/4		1/4		1/4	
1/2	75,286	1/2	60,222	1/2	45,175	1/2	30,129	1/2	15,067	1/2		1/2		1/2		1/2		1/2	
3/4	74,972	3/4	59,908	3/4	44,862	3/4	29,815	3/4	14,753	3/4		3/4		3/4		3/4		3/4	
6	74,659	6	59,594	6	44,549	6	29,502	6	14,439	6		6		6		6		6	
1/4	74,345	1/4	59,280	1/4	44,236	1/4	29,188	1/4	14,126	1/4		1/4		1/4		1/4		1/4	
1/2	74,031	1/2	58,967	1/2	43,923	1/2	28,874	1/2	13,812	1/2		1/2		1/2		1/2		1/2	
3/4	73,717	3/4	58,653	3/4	43,610	3/4	28,561	3/4	13,498	3/4		3/4		3/4		3/4		3/4	
7	73,403	7	58,339	7	43,297	7	28,247	7	13,184	7		7		7		7		7	
1/4	73,089	1/4	58,025	1/4	42,984	1/4	27,933	1/4	12,870	1/4		1/4		1/4		1/4		1/4	
1/2	72,775	1/2	57,711	1/2	42,671	1/2	27,620	1/2	12,556	1/2		1/2		1/2		1/2		1/2	
3/4	72,462	3/4	57,397	3/4	42,358	3/4	27,306	3/4	12,243	3/4		3/4		3/4		3/4		3/4	
8	72,148	8	57,084	8	42,045	8	26,993	8	11,929	8		8		8		8		8	
1/4	71,834	1/4	56,770	1/4	41,733	1/4	26,679	1/4	11,615	1/4		1/4		1/4		1/4		1/4	
1/2	71,520	1/2	56,456	1/2	41,420	1/2	26,365	1/2	11,301	1/2		1/2		1/2		1/2		1/2	
3/4	71,206	3/4	56,142	3/4	41,107	3/4	26,051	3/4	10,987	3/4		3/4		3/4		3/4		3/4	
9	70,892	9	55,828	9	40,794	9	25,738	9	10,673	9		9		9		9		9	
1/4	70,579	1/4	55,514	1/4	40,481	1/4	25,424	1/4	10,360	1/4		1/4		1/4		1/4		1/4	
1/2	70,265	1/2	55,201	1/2	40,168	1/2	25,110	1/2	10,046	1/2		1/2		1/2		1/2		1/2	
3/4	69,951	3/4	54,887	3/4	39,855	3/4	24,796	3/4	9,732	3/4		3/4		3/4		3/4		3/4	
10	69,637	10	54,573	10	39,542	10	24,482	10	9,418	10		10		10		10		10	
1/4	69,323	1/4	54,259	1/4	39,229	1/4	24,168	1/4	9,104	1/4		1/4		1/4		1/4		1/4	
1/2	69,009	1/2	53,945	1/2	38,915	1/2	23,855	1/2	8,790	1/2		1/2		1/2		1/2		1/2	
3/4	68,696	3/4	53,631	3/4	38,602	3/4	23,541	3/4	8,477	3/4		3/4		3/4		3/4		3/4	
11	68,382	11	53,318	11	38,289	11	23,227	11	8,163	11		11		11		11		11	
1/4	68,068	1/4	53,004	1/4	37,975	1/4	22,913	1/4	7,849	1/4		1/4		1/4		1/4		1/4	
1/2	67,754	1/2	52,690	1/2	37,661	1/2	22,599	1/2	7,535	1/2		1/2		1/2		1/2		1/2	
3/4	67,440	3/4	52,376	3/4	37,347	3/4	22,285	3/4	7,221	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/01/2016 CL
CALCULATED: 11/01/2016 CL
PRINTED: 11/02/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2016

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "HSM 3003"

3 PORT 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	184,224	0	173,884	0	163,530	0	153,154	0	141,078	0	126,101	0	111,124	0	96,134
1/4		1/4		1/4	184,009	1/4	173,669	1/4	163,314	1/4	152,938	1/4	140,766	1/4	125,789	1/4	110,812	1/4	95,821
1/2		1/2		1/2	183,793	1/2	173,453	1/2	163,098	1/2	152,722	1/2	140,454	1/2	125,477	1/2	110,500	1/2	95,509
3/4		3/4		3/4	183,578	3/4	173,238	3/4	162,882	3/4	152,505	3/4	140,142	3/4	125,165	3/4	110,188	3/4	95,197
1		1		1	183,362	1	173,022	1	162,666	1	152,289	1	139,830	1	124,853	1	109,876	1	94,885
1/4		1/4		1/4	183,147	1/4	172,807	1/4	162,449	1/4	152,073	1/4	139,518	1/4	124,541	1/4	109,564	1/4	94,573
1/2		1/2		1/2	182,931	1/2	172,592	1/2	162,233	1/2	151,857	1/2	139,206	1/2	124,229	1/2	109,252	1/2	94,260
3/4		3/4		3/4	182,716	3/4	172,376	3/4	162,017	3/4	151,641	3/4	138,894	3/4	123,917	3/4	108,940	3/4	93,948
2		2	192,148	2	182,501	2	172,161	2	161,801	2	151,425	2	138,582	2	123,605	2	108,628	2	93,636
1/4		1/4	192,024	1/4	182,285	1/4	171,945	1/4	161,585	1/4	151,208	1/4	138,270	1/4	123,293	1/4	108,316	1/4	93,324
1/2		1/2	191,901	1/2	182,070	1/2	171,730	1/2	161,369	1/2	150,992	1/2	137,958	1/2	122,981	1/2	108,004	1/2	93,012
3/4		3/4	191,777	3/4	181,854	3/4	171,514	3/4	161,152	3/4	150,776	3/4	137,646	3/4	122,669	3/4	107,691	3/4	92,700
3		3	191,653	3	181,639	3	171,299	3	160,936	3	150,560	3	137,334	3	122,357	3	107,379	3	92,387
1/4		1/4	191,493	1/4	181,424	1/4	171,084	1/4	160,720	1/4	150,344	1/4	137,022	1/4	122,045	1/4	107,067	1/4	92,075
1/2		1/2	191,333	1/2	181,208	1/2	170,868	1/2	160,504	1/2	150,127	1/2	136,710	1/2	121,733	1/2	106,755	1/2	91,763
3/4		3/4	191,174	3/4	180,993	3/4	170,653	3/4	160,288	3/4	149,911	3/4	136,398	3/4	121,421	3/4	106,442	3/4	91,451
4		4	191,014	4	180,777	4	170,437	4	160,072	4	149,695	4	136,086	4	121,109	4	106,130	4	91,139
1/4		1/4	190,821	1/4	180,562	1/4	170,222	1/4	159,855	1/4	149,475	1/4	135,774	1/4	120,797	1/4	105,818	1/4	90,826
1/2		1/2	190,627	1/2	180,346	1/2	170,007	1/2	159,639	1/2	149,256	1/2	135,462	1/2	120,485	1/2	105,505	1/2	90,514
3/4		3/4	190,434	3/4	180,131	3/4	169,791	3/4	159,423	3/4	149,036	3/4	135,150	3/4	120,173	3/4	105,193	3/4	90,202
5		5	190,241	5	179,916	5	169,576	5	159,207	5	148,816	5	134,838	5	119,861	5	104,880	5	89,890
1/4		1/4	190,029	1/4	179,700	1/4	169,360	1/4	158,991	1/4	148,585	1/4	134,526	1/4	119,549	1/4	104,568	1/4	89,578
1/2		1/2	189,817	1/2	179,485	1/2	169,145	1/2	158,775	1/2	148,354	1/2	134,214	1/2	119,237	1/2	104,255	1/2	89,265
3/4		3/4	189,606	3/4	179,269	3/4	168,929	3/4	158,558	3/4	148,122	3/4	133,902	3/4	118,925	3/4	103,943	3/4	88,953
6		6	189,394	6	179,054	6	168,714	6	158,342	6	147,891	6	133,590	6	118,613	6	103,631	6	88,641
1/4		1/4	189,179	1/4	178,839	1/4	168,499	1/4	158,126	1/4	147,644	1/4	133,278	1/4	118,301	1/4	103,318	1/4	88,329
1/2		1/2	188,963	1/2	178,623	1/2	168,283	1/2	157,910	1/2	147,396	1/2	132,966	1/2	117,989	1/2	103,006	1/2	88,016
3/4		3/4	188,748	3/4	178,408	3/4	168,068	3/4	157,694	3/4	147,149	3/4	132,654	3/4	117,677	3/4	102,693	3/4	87,704
7		7	188,533	7	178,192	7	167,852	7	157,477	7	146,902	7	132,342	7	117,365	7	102,381	7	87,392
1/4		1/4	188,318	1/4	177,977	1/4	167,637	1/4	157,261	1/4	146,638	1/4	132,030	1/4	117,053	1/4	102,068	1/4	87,079
1/2		1/2	188,102	1/2	177,761	1/2	167,421	1/2	157,045	1/2	146,375	1/2	131,718	1/2	116,741	1/2	101,756	1/2	86,767
3/4		3/4	187,887	3/4	177,546	3/4	167,205	3/4	156,829	3/4	146,112	3/4	131,406	3/4	116,429	3/4	101,444	3/4	86,454
8		8	187,671	8	177,331	8	166,989	8	156,613	8	145,849	8	131,094	8	116,117	8	101,131	8	86,142
1/4		1/4	187,456	1/4	177,115	1/4	166,773	1/4	156,397	1/4	145,570	1/4	130,782	1/4	115,805	1/4	100,819	1/4	85,829
1/2		1/2	187,240	1/2	176,900	1/2	166,557	1/2	156,180	1/2	145,291	1/2	130,470	1/2	115,493	1/2	100,506	1/2	85,517
3/4		3/4	187,025	3/4	176,684	3/4	166,341	3/4	155,964	3/4	145,013	3/4	130,158	3/4	115,181	3/4	100,194	3/4	85,204
9		9	186,809	9	176,469	9	166,124	9	155,748	9	144,734	9	129,846	9	114,868	9	99,881	9	84,892
1/4		1/4	186,594	1/4	176,254	1/4	165,908	1/4	155,532	1/4	144,439	1/4	129,534	1/4	114,556	1/4	99,569	1/4	84,579
1/2		1/2	186,378	1/2	176,038	1/2	165,692	1/2	155,316	1/2	144,144	1/2	129,222	1/2	114,244	1/2	99,256	1/2	84,267
3/4		3/4	186,163	3/4	175,823	3/4	165,476	3/4	155,100	3/4	143,849	3/4	128,910	3/4	113,932	3/4	98,944	3/4	83,954
10		10	185,947	10	175,607	10	165,260	10	154,883	10	143,554	10	128,597	10	113,620	10	98,632	10	83,642
1/4		1/4	185,732	1/4	175,392	1/4	165,044	1/4	154,667	1/4	143,247	1/4	128,285	1/4	113,308	1/4	98,319	1/4	83,329
1/2		1/2	185,516	1/2	175,176	1/2	164,827	1/2	154,451	1/2	142,940	1/2	127,973	1/2	112,996	1/2	98,007	1/2	83,017
3/4		3/4	185,301	3/4	174,961	3/4	164,611	3/4	154,235	3/4	142,632	3/4	127,661	3/4	112,684	3/4	97,695	3/4	82,704
11		11	185,086	11	174,746	11	164,395	11	154,019	11	142,325	11	127,349	11	112,372	11	97,382	11	82,392
1/4		1/4	184,870	1/4	174,530	1/4	164,179	1/4	153,802	1/4	142,013	1/4	127,037	1/4	112,060	1/4	97,070	1/4	82,079
1/2		1/2	184,655	1/2	174,315	1/2	163,963	1/2	153,586	1/2	141,702	1/2	126,725	1/2	111,748	1/2	96,758	1/2	81,767
3/4		3/4	184,439	3/4	174,099	3/4	163,747	3/4	153,370	3/4	141,390	3/4	126,413	3/4	111,436	3/4	96,446	3/4	81,454

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 OF THREADS ON "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 3003"

3 PORT 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	81,142	0	66,216	0	51,469	0	36,880	0	21,898	0	6,889	0		0		0		0	
1/4	80,829	1/4	65,906	1/4	51,166	1/4	36,572	1/4	21,585	1/4	6,576	1/4		1/4		1/4		1/4	
1/2	80,517	1/2	65,595	1/2	50,864	1/2	36,263	1/2	21,272	1/2	6,264	1/2		1/2		1/2		1/2	
3/4	80,204	3/4	65,285	3/4	50,561	3/4	35,955	3/4	20,960	3/4	5,951	3/4		3/4		3/4		3/4	
1	79,892	1	64,974	1	50,258	1	35,646	1	20,647	1	5,638	1		1		1		1	
1/4	79,579	1/4	64,664	1/4	49,956	1/4	35,334	1/4	20,335	1/4	5,325	1/4		1/4		1/4		1/4	
1/2	79,267	1/2	64,353	1/2	49,653	1/2	35,022	1/2	20,022	1/2	5,013	1/2		1/2		1/2		1/2	
3/4	78,954	3/4	64,042	3/4	49,350	3/4	34,710	3/4	19,710	3/4	4,700	3/4		3/4		3/4		3/4	
2	78,642	2	63,732	2	49,047	2	34,398	2	19,397	2	4,387	2		2		2		2	
1/4	78,330	1/4	63,421	1/4	48,745	1/4	34,086	1/4	19,085	1/4	4,075	1/4		1/4		1/4		1/4	
1/2	78,019	1/2	63,109	1/2	48,442	1/2	33,773	1/2	18,772	1/2	3,763	1/2		1/2		1/2		1/2	
3/4	77,707	3/4	62,798	3/4	48,139	3/4	33,461	3/4	18,459	3/4	3,451	3/4		3/4		3/4		3/4	
3	77,396	3	62,486	3	47,837	3	33,148	3	18,147	3	3,139	3		3		3		3	
1/4	77,085	1/4	62,174	1/4	47,534	1/4	32,835	1/4	17,834	1/4	2,846	1/4		1/4		1/4		1/4	
1/2	76,774	1/2	61,862	1/2	47,232	1/2	32,523	1/2	17,522	1/2	2,554	1/2		1/2		1/2		1/2	
3/4	76,464	3/4	61,550	3/4	46,930	3/4	32,210	3/4	17,209	3/4	2,261	3/4		3/4		3/4		3/4	
4	76,153	4	61,238	4	46,627	4	31,898	4	16,897	4	1,968	4		4		4		4	
1/4	75,843	1/4	60,925	1/4	46,326	1/4	31,585	1/4	16,584	1/4	1,733	1/4		1/4		1/4		1/4	
1/2	75,532	1/2	60,613	1/2	46,024	1/2	31,273	1/2	16,271	1/2	1,499	1/2		1/2		1/2		1/2	
3/4	75,222	3/4	60,301	3/4	45,722	3/4	30,960	3/4	15,959	3/4	1,264	3/4		3/4		3/4		3/4	
5	74,911	5	59,989	5	45,420	5	30,648	5	15,646	5	1,029	5		5		5		5	
1/4	74,601	1/4	59,680	1/4	45,116	1/4	30,335	1/4	15,334	1/4		1/4		1/4		1/4		1/4	
1/2	74,290	1/2	59,371	1/2	44,813	1/2	30,023	1/2	15,021	1/2		1/2		1/2		1/2		1/2	
3/4	73,980	3/4	59,062	3/4	44,509	3/4	29,710	3/4	14,709	3/4		3/4		3/4		3/4		3/4	
6	73,669	6	58,753	6	44,206	6	29,398	6	14,396	6		6		6		6		6	
1/4	73,359	1/4	58,447	1/4	43,900	1/4	29,085	1/4	14,083	1/4		1/4		1/4		1/4		1/4	
1/2	73,048	1/2	58,141	1/2	43,595	1/2	28,773	1/2	13,771	1/2		1/2		1/2		1/2		1/2	
3/4	72,737	3/4	57,835	3/4	43,290	3/4	28,460	3/4	13,458	3/4		3/4		3/4		3/4		3/4	
7	72,427	7	57,529	7	42,985	7	28,148	7	13,146	7		7		7		7		7	
1/4	72,116	1/4	57,225	1/4	42,679	1/4	27,836	1/4	12,833	1/4		1/4		1/4		1/4		1/4	
1/2	71,806	1/2	56,921	1/2	42,374	1/2	27,523	1/2	12,521	1/2		1/2		1/2		1/2		1/2	
3/4	71,495	3/4	56,616	3/4	42,069	3/4	27,211	3/4	12,208	3/4		3/4		3/4		3/4		3/4	
8	71,185	8	56,312	8	41,764	8	26,898	8	11,896	8		8		8		8		8	
1/4	70,874	1/4	56,009	1/4	41,458	1/4	26,586	1/4	11,583	1/4		1/4		1/4		1/4		1/4	
1/2	70,564	1/2	55,707	1/2	41,153	1/2	26,273	1/2	11,270	1/2		1/2		1/2		1/2		1/2	
3/4	70,253	3/4	55,404	3/4	40,848	3/4	25,961	3/4	10,957	3/4		3/4		3/4		3/4		3/4	
9	69,943	9	55,101	9	40,543	9	25,648	9	10,644	9		9		9		9		9	
1/4	69,632	1/4	54,799	1/4	40,238	1/4	25,336	1/4	10,331	1/4		1/4		1/4		1/4		1/4	
1/2	69,322	1/2	54,496	1/2	39,932	1/2	25,023	1/2	10,018	1/2		1/2		1/2		1/2		1/2	
3/4	69,011	3/4	54,193	3/4	39,627	3/4	24,711	3/4	9,705	3/4		3/4		3/4		3/4		3/4	
10	68,701	10	53,891	10	39,322	10	24,398	10	9,392	10		10		10		10		10	
1/4	68,390	1/4	53,588	1/4	39,017	1/4	24,086	1/4	9,079	1/4		1/4		1/4		1/4		1/4	
1/2	68,079	1/2	53,285	1/2	38,711	1/2	23,773	1/2	8,766	1/2		1/2		1/2		1/2		1/2	
3/4	67,769	3/4	52,982	3/4	38,406	3/4	23,460	3/4	8,453	3/4		3/4		3/4		3/4		3/4	
11	67,458	11	52,680	11	38,101	11	23,148	11	8,140	11		11		11		11		11	
1/4	67,148	1/4	52,377	1/4	37,796	1/4	22,835	1/4	7,827	1/4		1/4		1/4		1/4		1/4	
1/2	66,837	1/2	52,074	1/2	37,490	1/2	22,523	1/2	7,515	1/2		1/2		1/2		1/2		1/2	
3/4	66,527	3/4	51,772	3/4	37,185	3/4	22,210	3/4	7,202	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/01/2016 CL
CALCULATED: 11/01/2016 CL
PRINTED: 11/02/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2016

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 3003"

3 STBD 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	185,151	0	174,829	0	164,494	0	154,135	0	142,163	0	127,180	0	112,196	0	97,198
1/4		1/4		1/4	184,936	1/4	174,614	1/4	164,278	1/4	153,920	1/4	141,852	1/4	126,868	1/4	111,884	1/4	96,885
1/2		1/2		1/2	184,721	1/2	174,399	1/2	164,062	1/2	153,704	1/2	141,539	1/2	126,556	1/2	111,572	1/2	96,572
3/4		3/4		3/4	184,506	3/4	174,184	3/4	163,846	3/4	153,488	3/4	141,227	3/4	126,244	3/4	111,260	3/4	96,260
1		1		1	184,291	1	173,969	1	163,631	1	153,272	1	140,915	1	125,931	1	110,947	1	95,947
1/4		1/4		1/4	184,075	1/4	173,754	1/4	163,415	1/4	153,056	1/4	140,603	1/4	125,619	1/4	110,635	1/4	95,635
1/2		1/2		1/2	183,860	1/2	173,538	1/2	163,199	1/2	152,841	1/2	140,291	1/2	125,307	1/2	110,323	1/2	95,322
3/4		3/4		3/4	183,645	3/4	173,323	3/4	162,983	3/4	152,625	3/4	139,979	3/4	124,995	3/4	110,011	3/4	95,009
2		2		2	183,430	2	173,108	2	162,767	2	152,409	2	139,667	2	124,683	2	109,699	2	94,697
1/4		1/4		1/4	192,846	1/4	183,215	1/4	172,893	1/4	162,552	1/4	152,193	1/4	139,355	1/4	124,371	1/4	109,386
1/2		1/2		1/2	192,722	1/2	183,000	1/2	172,678	1/2	162,336	1/2	151,977	1/2	139,042	1/2	124,058	1/2	109,074
3/4		3/4		3/4	192,599	3/4	182,785	3/4	172,463	3/4	162,120	3/4	151,762	3/4	138,730	3/4	123,746	3/4	108,762
3		3		3	192,475	3	182,570	3	172,248	3	161,904	3	151,546	3	138,418	3	123,434	3	108,450
1/4		1/4		1/4	192,352	1/4	182,355	1/4	172,033	1/4	161,688	1/4	151,330	1/4	138,106	1/4	123,122	1/4	108,137
1/2		1/2		1/2	192,192	1/2	182,140	1/2	171,818	1/2	161,473	1/2	151,114	1/2	137,794	1/2	122,810	1/2	107,825
3/4		3/4		3/4	192,033	3/4	181,925	3/4	171,603	3/4	161,257	3/4	150,898	3/4	137,482	3/4	122,498	3/4	107,512
4		4		4	191,873	4	181,710	4	171,388	4	161,041	4	150,683	4	137,169	4	122,185	4	107,200
1/4		1/4		1/4	191,714	1/4	181,495	1/4	171,173	1/4	160,825	1/4	150,467	1/4	136,857	1/4	121,873	1/4	106,888
1/2		1/2		1/2	191,521	1/2	181,280	1/2	170,958	1/2	160,609	1/2	150,247	1/2	136,545	1/2	121,561	1/2	106,575
3/4		3/4		3/4	191,328	3/4	181,065	3/4	170,743	3/4	160,394	3/4	150,028	3/4	136,233	3/4	121,249	3/4	106,262
5		5		5	191,135	5	180,850	5	170,528	5	160,178	5	149,809	5	135,921	5	120,937	5	105,950
1/4		1/4		1/4	190,942	1/4	180,635	1/4	170,313	1/4	159,962	1/4	149,589	1/4	135,609	1/4	120,625	1/4	105,637
1/2		1/2		1/2	190,731	1/2	180,420	1/2	170,098	1/2	159,746	1/2	149,358	1/2	135,296	1/2	120,312	1/2	105,325
3/4		3/4		3/4	190,519	3/4	180,205	3/4	169,883	3/4	159,530	3/4	149,127	3/4	134,984	3/4	120,000	3/4	105,012
6		6		6	190,308	6	179,990	6	169,668	6	159,315	6	148,896	6	134,672	6	119,688	6	104,700
1/4		1/4		1/4	190,097	1/4	179,775	1/4	169,453	1/4	159,099	1/4	148,665	1/4	134,360	1/4	119,376	1/4	104,387
1/2		1/2		1/2	189,882	1/2	179,560	1/2	169,238	1/2	158,883	1/2	148,418	1/2	134,048	1/2	119,064	1/2	104,074
3/4		3/4		3/4	189,667	3/4	179,345	3/4	169,023	3/4	158,667	3/4	148,171	3/4	133,736	3/4	118,752	3/4	103,762
7		7		7	189,452	7	179,130	7	168,808	7	158,451	7	147,924	7	133,423	7	118,439	7	103,449
1/4		1/4		1/4	189,237	1/4	178,915	1/4	168,593	1/4	158,236	1/4	147,677	1/4	133,111	1/4	118,127	1/4	103,137
1/2		1/2		1/2	189,022	1/2	178,699	1/2	168,377	1/2	158,020	1/2	147,414	1/2	132,799	1/2	117,815	1/2	102,824
3/4		3/4		3/4	188,807	3/4	178,484	3/4	168,162	3/4	157,804	3/4	147,151	3/4	132,487	3/4	117,503	3/4	102,511
8		8		8	188,592	8	178,269	8	167,946	8	157,588	8	146,888	8	132,175	8	117,191	8	102,199
1/4		1/4		1/4	188,377	1/4	178,054	1/4	167,731	1/4	157,372	1/4	146,625	1/4	131,863	1/4	116,879	1/4	101,886
1/2		1/2		1/2	188,162	1/2	177,839	1/2	167,515	1/2	157,157	1/2	146,346	1/2	131,550	1/2	116,566	1/2	101,574
3/4		3/4		3/4	187,947	3/4	177,624	3/4	167,299	3/4	156,941	3/4	146,067	3/4	131,238	3/4	116,254	3/4	101,261
9		9		9	187,732	9	177,409	9	167,083	9	156,725	9	145,788	9	130,926	9	115,942	9	100,949
1/4		1/4		1/4	187,516	1/4	177,194	1/4	166,868	1/4	156,509	1/4	145,509	1/4	130,614	1/4	115,630	1/4	100,636
1/2		1/2		1/2	187,301	1/2	176,979	1/2	166,652	1/2	156,293	1/2	145,214	1/2	130,302	1/2	115,318	1/2	100,323
3/4		3/4		3/4	187,086	3/4	176,764	3/4	166,436	3/4	156,078	3/4	144,919	3/4	129,990	3/4	115,006	3/4	100,011
10		10		10	186,871	10	176,549	10	166,220	10	155,862	10	144,624	10	129,677	10	114,693	10	99,698
1/4		1/4		1/4	186,656	1/4	176,334	1/4	166,004	1/4	155,646	1/4	144,329	1/4	129,365	1/4	114,381	1/4	99,386
1/2		1/2		1/2	186,441	1/2	176,119	1/2	165,789	1/2	155,430	1/2	144,021	1/2	129,053	1/2	114,069	1/2	99,073
3/4		3/4		3/4	186,226	3/4	175,904	3/4	165,573	3/4	155,214	3/4	143,714	3/4	128,741	3/4	113,757	3/4	98,760
11		11		11	186,011	11	175,689	11	165,357	11	154,999	11	143,406	11	128,429	11	113,445	11	98,448
1/4		1/4		1/4	185,796	1/4	175,474	1/4	165,141	1/4	154,783	1/4	143,099	1/4	128,117	1/4	113,133	1/4	98,135
1/2		1/2		1/2	185,581	1/2	175,259	1/2	164,925	1/2	154,567	1/2	142,787	1/2	127,804	1/2	112,820	1/2	97,823
3/4		3/4		3/4	185,366	3/4	175,044	3/4	164,710	3/4	154,351	3/4	142,475	3/4	127,492	3/4	112,508	3/4	97,510

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

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BARGE "HSM 3003"

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	82,194	0	67,190	0	52,186	0	37,196	0	22,196	0	7,193	0		0		0		0	
1/4	81,881	1/4	66,877	1/4	51,873	1/4	36,884	1/4	21,884	1/4	6,880	1/4		1/4		1/4		1/4	
1/2	81,568	1/2	66,564	1/2	51,561	1/2	36,572	1/2	21,571	1/2	6,568	1/2		1/2		1/2		1/2	
3/4	81,256	3/4	66,252	3/4	51,248	3/4	36,260	3/4	21,258	3/4	6,255	3/4		3/4		3/4		3/4	
1	80,943	1	65,939	1	50,935	1	35,948	1	20,946	1	5,942	1		1		1		1	
1/4	80,631	1/4	65,627	1/4	50,623	1/4	35,636	1/4	20,633	1/4	5,630	1/4		1/4		1/4		1/4	
1/2	80,318	1/2	65,314	1/2	50,310	1/2	35,324	1/2	20,321	1/2	5,318	1/2		1/2		1/2		1/2	
3/4	80,006	3/4	65,002	3/4	49,998	3/4	35,011	3/4	20,008	3/4	5,005	3/4		3/4		3/4		3/4	
2	79,693	2	64,689	2	49,685	2	34,699	2	19,696	2	4,693	2		2		2		2	
1/4	79,380	1/4	64,376	1/4	49,372	1/4	34,387	1/4	19,383	1/4	4,381	1/4		1/4		1/4		1/4	
1/2	79,068	1/2	64,064	1/2	49,060	1/2	34,074	1/2	19,070	1/2	4,069	1/2		1/2		1/2		1/2	
3/4	78,755	3/4	63,751	3/4	48,747	3/4	33,761	3/4	18,758	3/4	3,757	3/4		3/4		3/4		3/4	
3	78,443	3	63,439	3	48,435	3	33,449	3	18,445	3	3,446	3		3		3		3	
1/4	78,130	1/4	63,126	1/4	48,122	1/4	33,136	1/4	18,133	1/4	3,134	1/4		1/4		1/4		1/4	
1/2	77,817	1/2	62,813	1/2	47,810	1/2	32,824	1/2	17,820	1/2	2,842	1/2		1/2		1/2		1/2	
3/4	77,505	3/4	62,501	3/4	47,497	3/4	32,511	3/4	17,508	3/4	2,550	3/4		3/4		3/4		3/4	
4	77,192	4	62,188	4	47,185	4	32,199	4	17,195	4	2,257	4		4		4		4	
1/4	76,880	1/4	61,876	1/4	46,872	1/4	31,886	1/4	16,882	1/4	1,965	1/4		1/4		1/4		1/4	
1/2	76,567	1/2	61,563	1/2	46,560	1/2	31,573	1/2	16,570	1/2	1,731	1/2		1/2		1/2		1/2	
3/4	76,255	3/4	61,251	3/4	46,248	3/4	31,261	3/4	16,257	3/4	1,496	3/4		3/4		3/4		3/4	
5	75,942	5	60,938	5	45,935	5	30,948	5	15,945	5	1,262	5		5		5		5	
1/4	75,629	1/4	60,625	1/4	45,623	1/4	30,636	1/4	15,632	1/4	1,028	1/4		1/4		1/4		1/4	
1/2	75,317	1/2	60,313	1/2	45,311	1/2	30,323	1/2	15,320	1/2		1/2		1/2		1/2		1/2	
3/4	75,004	3/4	60,000	3/4	44,999	3/4	30,010	3/4	15,007	3/4		3/4		3/4		3/4		3/4	
6	74,692	6	59,688	6	44,686	6	29,698	6	14,694	6		6		6		6		6	
1/4	74,379	1/4	59,375	1/4	44,374	1/4	29,385	1/4	14,382	1/4		1/4		1/4		1/4		1/4	
1/2	74,066	1/2	59,063	1/2	44,062	1/2	29,073	1/2	14,069	1/2		1/2		1/2		1/2		1/2	
3/4	73,754	3/4	58,750	3/4	43,750	3/4	28,760	3/4	13,757	3/4		3/4		3/4		3/4		3/4	
7	73,441	7	58,437	7	43,438	7	28,448	7	13,444	7		7		7		7		7	
1/4	73,129	1/4	58,125	1/4	43,126	1/4	28,135	1/4	13,132	1/4		1/4		1/4		1/4		1/4	
1/2	72,816	1/2	57,812	1/2	42,814	1/2	27,822	1/2	12,819	1/2		1/2		1/2		1/2		1/2	
3/4	72,504	3/4	57,500	3/4	42,502	3/4	27,510	3/4	12,506	3/4		3/4		3/4		3/4		3/4	
8	72,191	8	57,187	8	42,190	8	27,197	8	12,194	8		8		8		8		8	
1/4	71,878	1/4	56,874	1/4	41,878	1/4	26,885	1/4	11,881	1/4		1/4		1/4		1/4		1/4	
1/2	71,566	1/2	56,562	1/2	41,565	1/2	26,572	1/2	11,569	1/2		1/2		1/2		1/2		1/2	
3/4	71,253	3/4	56,249	3/4	41,253	3/4	26,260	3/4	11,256	3/4		3/4		3/4		3/4		3/4	
9	70,941	9	55,937	9	40,941	9	25,947	9	10,944	9		9		9		9		9	
1/4	70,628	1/4	55,624	1/4	40,629	1/4	25,634	1/4	10,631	1/4		1/4		1/4		1/4		1/4	
1/2	70,315	1/2	55,312	1/2	40,317	1/2	25,322	1/2	10,318	1/2		1/2		1/2		1/2		1/2	
3/4	70,003	3/4	54,999	3/4	40,005	3/4	25,009	3/4	10,006	3/4		3/4		3/4		3/4		3/4	
10	69,690	10	54,686	10	39,693	10	24,697	10	9,693	10		10		10		10		10	
1/4	69,378	1/4	54,374	1/4	39,381	1/4	24,384	1/4	9,381	1/4		1/4		1/4		1/4		1/4	
1/2	69,065	1/2	54,061	1/2	39,069	1/2	24,072	1/2	9,068	1/2		1/2		1/2		1/2		1/2	
3/4	68,753	3/4	53,749	3/4	38,757	3/4	23,759	3/4	8,756	3/4		3/4		3/4		3/4		3/4	
11	68,440	11	53,436	11	38,445	11	23,446	11	8,443	11		11		11		11		11	
1/4	68,127	1/4	53,123	1/4	38,133	1/4	23,134	1/4	8,130	1/4		1/4		1/4		1/4		1/4	
1/2	67,815	1/2	52,811	1/2	37,820	1/2	22,821	1/2	7,818	1/2		1/2		1/2		1/2		1/2	
3/4	67,502	3/4	52,498	3/4	37,508	3/4	22,509	3/4	7,505	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/01/2016 CL
CALCULATED: 11/01/2016 CL
PRINTED: 11/02/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2016

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



BARGE "HSM 3003"

PORT SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-05 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	4,113	0	2,958	0	1,804	0	650	0		0		0		0	
1/4		1/4		1/4	4,089	1/4	2,934	1/4	1,780	1/4	626	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,065	1/2	2,910	1/2	1,756	1/2	602	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	5,140	3/4	4,041	3/4	2,886	3/4	1,732	3/4		3/4		3/4		3/4	
1		1		1	4,017	1	2,862	1	1,708	1	553	1		1		1		1	
1/4		1/4		1/4	5,117	1/4	3,993	1/4	2,838	1/4	1,684	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	5,105	1/2	3,969	1/2	2,814	1/2	1,660	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	5,093	3/4	3,945	3/4	2,790	3/4	1,636	3/4		3/4		3/4		3/4	
2		2		2	5,070	2	3,921	2	2,766	2	457	2		2		2		2	
1/4		1/4		1/4	5,046	1/4	3,897	1/4	2,742	1/4	1,588	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	5,023	1/2	3,873	1/2	2,718	1/2	1,564	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,999	3/4	3,849	3/4	2,693	3/4	1,540	3/4		3/4		3/4		3/4	
3		3		3	4,975	3	3,824	3	2,669	3	361	3		3		3		3	
1/4		1/4		1/4	4,952	1/4	3,800	1/4	2,645	1/4	1,492	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,928	1/2	3,776	1/2	2,621	1/2	1,468	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,904	3/4	3,752	3/4	2,597	3/4	1,444	3/4		3/4		3/4		3/4	
4		4		4	4,881	4	3,728	4	2,573	4	265	4		4		4		4	
1/4		1/4		1/4	4,857	1/4	3,704	1/4	2,550	1/4	1,395	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,833	1/2	3,680	1/2	2,526	1/2	1,371	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,810	3/4	3,656	3/4	2,502	3/4	1,347	3/4		3/4		3/4		3/4	
5		5		5	4,786	5	3,632	5	2,478	5	1,323	5		5		5		5	
1/4		1/4		1/4	4,762	1/4	3,608	1/4	2,454	1/4	1,299	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,739	1/2	3,584	1/2	2,430	1/2	1,275	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,715	3/4	3,560	3/4	2,406	3/4	1,251	3/4		3/4		3/4		3/4	
6		6		6	4,691	6	3,536	6	2,382	6	1,227	6		6		6		6	
1/4		1/4		1/4	4,667	1/4	3,512	1/4	2,358	1/4	1,203	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,643	1/2	3,488	1/2	2,334	1/2	1,179	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,619	3/4	3,464	3/4	2,310	3/4	1,155	3/4		3/4		3/4		3/4	
7		7		7	4,594	7	3,439	7	2,286	7	1,131	7		7		7		7	
1/4		1/4		1/4	4,570	1/4	3,415	1/4	2,262	1/4	1,107	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,546	1/2	3,391	1/2	2,238	1/2	1,083	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,522	3/4	3,367	3/4	2,214	3/4	1,059	3/4		3/4		3/4		3/4	
8		8		8	4,498	8	3,343	8	2,189	8	1,035	8		8		8		8	
1/4		1/4		1/4	4,474	1/4	3,319	1/4	2,165	1/4	1,011	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,450	1/2	3,295	1/2	2,141	1/2	987	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,426	3/4	3,271	3/4	2,117	3/4	962	3/4		3/4		3/4		3/4	
9		9		9	4,402	9	3,247	9	2,093	9	938	9		9		9		9	
1/4		1/4		1/4	4,378	1/4	3,223	1/4	2,069	1/4	914	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,354	1/2	3,199	1/2	2,045	1/2	890	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,330	3/4	3,175	3/4	2,021	3/4	866	3/4		3/4		3/4		3/4	
10		10		10	4,306	10	3,151	10	1,997	10	842	10		10		10		10	
1/4		1/4		1/4	4,282	1/4	3,127	1/4	1,973	1/4	818	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,258	1/2	3,103	1/2	1,949	1/2	794	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,234	3/4	3,078	3/4	1,925	3/4	770	3/4		3/4		3/4		3/4	
11		11		11	4,209	11	3,054	11	1,901	11	746	11		11		11		11	
1/4		1/4		1/4	4,185	1/4	3,030	1/4	1,877	1/4	722	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,161	1/2	3,006	1/2	1,853	1/2	698	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,137	3/4	2,982	3/4	1,829	3/4	674	3/4		3/4		3/4		3/4	

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: 11/01/2016 CL
CALCULATED: 11/01/2016 CL
PRINTED: 11/02/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2016

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 3003"

STBD SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-06"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,137	0	2,982	0	1,829	0	674	0		0		0		0	
1/4		1/4		1/4	4,113	1/4	2,958	1/4	1,804	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	
1		1	5,140	1	4,041	1	2,886	1	1,732	1	577	1		1		1		1	
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	
2		2	5,093	2	3,945	2	2,790	2	1,636	2	481	2		2		2		2	
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	
3		3	4,999	3	3,849	3	2,693	3	1,540	3	385	3		3		3		3	
1/4		1/4	4,975	1/4	3,824	1/4	2,669	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	2,645	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	2,621	3/4	1,468	3/4	313	3/4		3/4		3/4		3/4	
4		4	4,904	4	3,752	4	2,597	4	1,444	4	289	4		4		4		4	
1/4		1/4	4,881	1/4	3,728	1/4	2,573	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	
5		5	4,810	5	3,656	5	2,502	5	1,347	5	192	5		5		5		5	
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	
6		6	4,715	6	3,560	6	2,406	6	1,251	6	96	6		6		6		6	
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	
7		7	4,619	7	3,464	7	2,310	7	1,155	7		7		7		7		7	
1/4		1/4	4,594	1/4	3,439	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	
8		8	4,522	8	3,367	8	2,214	8	1,059	8		8		8		8		8	
1/4		1/4	4,498	1/4	3,343	1/4	2,189	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	
9		9	4,426	9	3,271	9	2,117	9	962	9		9		9		9		9	
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	
10		10	4,330	10	3,175	10	2,021	10	866	10		10		10		10		10	
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		1/4	
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		1/2	
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		3/4	
11		11	4,234	11	3,078	11	1,925	11	770	11		11		11		11		11	
1/4		1/4	4,209	1/4	3,054	1/4	1,901	1/4	746	1/4		1/4		1/4		1/4		1/4	
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		1/2	
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		3/4	

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: 11/01/2016 CL
CALCULATED: 11/01/2016 CL
PRINTED: 11/02/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2016

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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