



BARGE "HSM 3044"

ULLAGE TRIM TABLE "MMC"

	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	00-1/8	- 00-1/8	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	00-1/8	- 00-1/8	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	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
3 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	00-0/8	- 00-0/8

(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 1 PORT IS - 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 238'-09"

May 10, 2019

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

<http://www.pmacorp.net>



BARGE "HSM 3044"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 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	0	0	203,997	0	188,984	0	173,942	0	158,885	0	143,828	0	128,771	0	113,713	0	98,656
1/4		1/4		1/4	203,684	1/4	188,671	1/4	173,628	1/4	158,571	1/4	143,514	1/4	128,457	1/4	113,400	1/4	98,343
1/2		1/2		1/2	203,372	1/2	188,358	1/2	173,315	1/2	158,257	1/2	143,200	1/2	128,143	1/2	113,086	1/2	98,029
3/4		3/4		3/4	203,059	3/4	188,045	3/4	173,001	3/4	157,944	3/4	142,887	3/4	127,829	3/4	112,772	3/4	97,715
1	1	1	1	1	202,746	1	187,733	1	172,687	1	157,630	1	142,573	1	127,516	1	112,459	1	97,401
1/4		1/4		1/4	202,433	1/4	187,420	1/4	172,374	1/4	157,316	1/4	142,259	1/4	127,202	1/4	112,145	1/4	97,088
1/2		1/2		1/2	202,120	1/2	187,107	1/2	172,060	1/2	157,003	1/2	141,946	1/2	126,888	1/2	111,831	1/2	96,774
3/4		3/4		3/4	201,808	3/4	186,794	3/4	171,746	3/4	156,689	3/4	141,632	3/4	126,575	3/4	111,518	3/4	96,460
2	2	2	2	2	201,495	2	186,481	2	171,432	2	156,375	2	141,318	2	126,261	2	111,204	2	96,147
1/4		1/4		1/4	201,182	1/4	186,169	1/4	171,119	1/4	156,062	1/4	141,004	1/4	125,947	1/4	110,890	1/4	95,833
1/2		1/2		1/2	200,869	1/2	185,856	1/2	170,805	1/2	155,748	1/2	140,691	1/2	125,634	1/2	110,576	1/2	95,519
3/4		3/4		3/4	200,557	3/4	185,543	3/4	170,491	3/4	155,434	3/4	140,377	3/4	125,320	3/4	110,263	3/4	95,206
3	3	3	3	3	200,244	3	185,230	3	170,178	3	155,121	3	140,063	3	125,006	3	109,949	3	94,892
1/4		1/4		1/4	199,931	1/4	184,918	1/4	169,864	1/4	154,807	1/4	139,750	1/4	124,693	1/4	109,635	1/4	94,578
1/2		1/2		1/2	199,618	1/2	184,605	1/2	169,550	1/2	154,493	1/2	139,436	1/2	124,379	1/2	109,322	1/2	94,265
3/4		3/4		3/4	199,305	3/4	184,292	3/4	169,237	3/4	154,179	3/4	139,122	3/4	124,065	3/4	109,008	3/4	93,951
4	4	4	4	4	198,993	4	183,979	4	168,923	4	153,866	4	138,809	4	123,751	4	108,694	4	93,637
1/4		1/4		1/4	198,680	1/4	183,666	1/4	168,609	1/4	153,552	1/4	138,495	1/4	123,438	1/4	108,381	1/4	93,323
1/2		1/2		1/2	198,367	1/2	183,353	1/2	168,296	1/2	153,238	1/2	138,181	1/2	123,124	1/2	108,067	1/2	93,010
3/4		3/4		3/4	198,054	3/4	183,039	3/4	167,982	3/4	152,925	3/4	137,868	3/4	122,810	3/4	107,753	3/4	92,696
5	5	5	5	5	211,574	5	197,742	5	182,725	5	167,668	5	152,611	5	137,554	5	122,497	5	92,382
1/4		1/4		1/4	211,424	1/4	197,429	1/4	182,412	1/4	167,354	1/4	152,297	1/4	137,240	1/4	122,183	1/4	92,069
1/2		1/2		1/2	211,235	1/2	197,116	1/2	182,098	1/2	167,041	1/2	151,984	1/2	136,926	1/2	121,869	1/2	91,755
3/4		3/4		3/4	211,046	3/4	196,803	3/4	181,784	3/4	166,727	3/4	151,670	3/4	136,613	3/4	121,556	3/4	91,441
6	6	6	6	6	210,857	6	196,490	6	181,471	6	166,413	6	151,356	6	136,299	6	121,242	6	91,128
1/4		1/4		1/4	210,668	1/4	196,178	1/4	181,157	1/4	166,100	1/4	151,043	1/4	135,985	1/4	120,928	1/4	90,814
1/2		1/2		1/2	210,440	1/2	195,865	1/2	180,843	1/2	165,786	1/2	150,729	1/2	135,672	1/2	120,615	1/2	90,500
3/4		3/4		3/4	210,212	3/4	195,552	3/4	180,529	3/4	165,472	3/4	150,415	3/4	135,358	3/4	120,301	3/4	90,187
7	7	7	7	7	209,984	7	195,239	7	180,216	7	165,159	7	150,101	7	135,044	7	119,987	7	89,873
1/4		1/4		1/4	209,755	1/4	194,926	1/4	179,902	1/4	164,845	1/4	149,788	1/4	134,731	1/4	119,673	1/4	89,559
1/2		1/2		1/2	209,482	1/2	194,614	1/2	179,588	1/2	164,531	1/2	149,474	1/2	134,417	1/2	119,360	1/2	89,245
3/4		3/4		3/4	209,208	3/4	194,301	3/4	179,275	3/4	164,218	3/4	149,160	3/4	134,103	3/4	119,046	3/4	88,932
8	8	8	8	8	208,935	8	193,988	8	178,961	8	163,904	8	148,847	8	133,790	8	118,732	8	88,618
1/4		1/4		1/4	208,661	1/4	193,675	1/4	178,647	1/4	163,590	1/4	148,533	1/4	133,476	1/4	118,419	1/4	88,304
1/2		1/2		1/2	208,354	1/2	193,363	1/2	178,334	1/2	163,276	1/2	148,219	1/2	133,162	1/2	118,105	1/2	87,991
3/4		3/4		3/4	208,047	3/4	193,050	3/4	178,020	3/4	162,963	3/4	147,906	3/4	132,848	3/4	117,791	3/4	87,677
9	9	9	9	9	207,741	9	192,737	9	177,706	9	162,649	9	147,592	9	132,535	9	117,478	9	87,363
1/4		1/4		1/4	207,434	1/4	192,424	1/4	177,393	1/4	162,335	1/4	147,278	1/4	132,221	1/4	117,164	1/4	87,050
1/2		1/2		1/2	207,122	1/2	192,111	1/2	177,079	1/2	162,022	1/2	146,965	1/2	131,907	1/2	116,850	1/2	86,736
3/4		3/4		3/4	206,810	3/4	191,799	3/4	176,765	3/4	161,708	3/4	146,651	3/4	131,594	3/4	116,537	3/4	86,422
10	10	10	10	10	206,498	10	191,486	10	176,452	10	161,394	10	146,337	10	131,280	10	116,223	10	86,109
1/4		1/4		1/4	206,186	1/4	191,173	1/4	176,138	1/4	161,081	1/4	146,024	1/4	130,966	1/4	115,909	1/4	85,795
1/2		1/2		1/2	205,873	1/2	190,860	1/2	175,824	1/2	160,767	1/2	145,710	1/2	130,653	1/2	115,596	1/2	85,481
3/4		3/4		3/4	205,561	3/4	190,548	3/4	175,510	3/4	160,453	3/4	145,396	3/4	130,339	3/4	115,282	3/4	85,168
11	11	11	11	11	205,248	11	190,235	11	175,197	11	160,140	11	145,082	11	130,025	11	114,968	11	84,854
1/4		1/4		1/4	204,935	1/4	189,922	1/4	174,883	1/4	159,826	1/4	144,769	1/4	129,712	1/4	114,654	1/4	84,540
1/2		1/2		1/2	204,623	1/2	189,609	1/2	174,569	1/2	159,512	1/2	144,455	1/2	129,398	1/2	114,341	1/2	84,226
3/4		3/4		3/4	204,310	3/4	189,296	3/4	174,256	3/4	159,199	3/4	144,141	3/4	129,084	3/4	114,027	3/4	83,913

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" MMC VALVE
 GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 43'-6" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
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BARGE "HSM 3044"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 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	83,599	0	68,542	0	53,485	0	38,479	0	23,522	0	8,929	0		0				0	
1/4	83,285	1/4	68,228	1/4	53,171	1/4	38,169	1/4	23,208	1/4	8,645	1/4		1/4				1/4	
1/2	82,972	1/2	67,915	1/2	52,857	1/2	37,859	1/2	22,895	1/2	8,364	1/2		1/2				1/2	
3/4	82,658	3/4	67,601	3/4	52,544	3/4	37,549	3/4	22,581	3/4	8,083	3/4		3/4				3/4	
1	82,344	1	67,287	1	52,230	1	37,238	1	22,267	1	7,802	1		1				1	
1/4	82,031	1/4	66,973	1/4	51,916	1/4	36,928	1/4	21,954	1/4	7,521	1/4		1/4				1/4	
1/2	81,717	1/2	66,660	1/2	51,603	1/2	36,618	1/2	21,640	1/2	7,244	1/2		1/2				1/2	
3/4	81,403	3/4	66,346	3/4	51,289	3/4	36,308	3/4	21,326	3/4	6,967	3/4		3/4				3/4	
2	81,090	2	66,032	2	50,975	2	35,997	2	21,013	2	6,690	2		2				2	
1/4	80,776	1/4	65,719	1/4	50,662	1/4	35,687	1/4	20,699	1/4	6,412	1/4		1/4				1/4	
1/2	80,462	1/2	65,405	1/2	50,348	1/2	35,377	1/2	20,385	1/2	6,139	1/2		1/2				1/2	
3/4	80,148	3/4	65,091	3/4	50,034	3/4	35,067	3/4	20,072	3/4	5,866	3/4		3/4				3/4	
3	79,835	3	64,778	3	49,720	3	34,756	3	19,758	3	5,593	3		3				3	
1/4	79,521	1/4	64,464	1/4	49,407	1/4	34,446	1/4	19,444	1/4	5,320	1/4		1/4				1/4	
1/2	79,207	1/2	64,150	1/2	49,093	1/2	34,136	1/2	19,130	1/2	5,051	1/2		1/2				1/2	
3/4	78,894	3/4	63,837	3/4	48,779	3/4	33,826	3/4	18,817	3/4	4,783	3/4		3/4				3/4	
4	78,580	4	63,523	4	48,466	4	33,515	4	18,503	4	4,514	4		4				4	
1/4	78,266	1/4	63,209	1/4	48,152	1/4	33,205	1/4	18,189	1/4	4,245	1/4		1/4				1/4	
1/2	77,953	1/2	62,895	1/2	47,838	1/2	32,895	1/2	17,878	1/2	3,981	1/2		1/2				1/2	
3/4	77,639	3/4	62,582	3/4	47,525	3/4	32,585	3/4	17,566	3/4	3,716	3/4		3/4				3/4	
5	77,325	5	62,268	5	47,211	5	32,274	5	17,254	5	3,452	5		5				5	
1/4	77,012	1/4	61,954	1/4	46,897	1/4	31,964	1/4	16,942	1/4	3,188	1/4		1/4				1/4	
1/2	76,698	1/2	61,641	1/2	46,584	1/2	31,654	1/2	16,635	1/2	2,928	1/2		1/2				1/2	
3/4	76,384	3/4	61,327	3/4	46,270	3/4	31,343	3/4	16,327	3/4	2,669	3/4		3/4				3/4	
6	76,070	6	61,013	6	45,956	6	31,033	6	16,019	6	2,409	6		6				6	
1/4	75,757	1/4	60,700	1/4	45,642	1/4	30,723	1/4	15,711	1/4	2,150	1/4		1/4				1/4	
1/2	75,443	1/2	60,386	1/2	45,329	1/2	30,413	1/2	15,407	1/2	1,896	1/2		1/2				1/2	
3/4	75,129	3/4	60,072	3/4	45,015	3/4	30,102	3/4	15,103	3/4	1,642	3/4		3/4				3/4	
7	74,816	7	59,759	7	44,701	7	29,792	7	14,799	7	1,388	7		7				7	
1/4	74,502	1/4	59,445	1/4	44,388	1/4	29,482	1/4	14,495	1/4	1,134	1/4		1/4				1/4	
1/2	74,188	1/2	59,131	1/2	44,076	1/2	29,168	1/2	14,194	1/2	933	1/2		1/2				1/2	
3/4	73,875	3/4	58,817	3/4	43,765	3/4	28,855	3/4	13,894	3/4	731	3/4		3/4				3/4	
8	73,561	8	58,504	8	43,453	8	28,541	8	13,594	8	530	8		8				8	
1/4	73,247	1/4	58,190	1/4	43,141	1/4	28,227	1/4	13,294	1/4	328	1/4		1/4				1/4	
1/2	72,934	1/2	57,876	1/2	42,830	1/2	27,914	1/2	12,997	1/2		1/2		1/2				1/2	
3/4	72,620	3/4	57,563	3/4	42,518	3/4	27,600	3/4	12,701	3/4		3/4		3/4				3/4	
9	72,306	9	57,249	9	42,206	9	27,286	9	12,405	9		9		9				9	
1/4	71,993	1/4	56,935	1/4	41,895	1/4	26,973	1/4	12,108	1/4		1/4		1/4				1/4	
1/2	71,679	1/2	56,622	1/2	41,584	1/2	26,659	1/2	11,816	1/2		1/2		1/2				1/2	
3/4	71,365	3/4	56,308	3/4	41,274	3/4	26,345	3/4	11,523	3/4		3/4		3/4				3/4	
10	71,051	10	55,994	10	40,963	10	26,031	10	11,231	10		10		10				10	
1/4	70,738	1/4	55,681	1/4	40,652	1/4	25,718	1/4	10,938	1/4		1/4		1/4				1/4	
1/2	70,424	1/2	55,367	1/2	40,342	1/2	25,404	1/2	10,650	1/2		1/2		1/2				1/2	
3/4	70,110	3/4	55,053	3/4	40,031	3/4	25,090	3/4	10,361	3/4		3/4		3/4				3/4	
11	69,797	11	54,740	11	39,721	11	24,777	11	10,072	11		11		11				11	
1/4	69,483	1/4	54,426	1/4	39,410	1/4	24,463	1/4	9,784	1/4		1/4		1/4				1/4	
1/2	69,169	1/2	54,112	1/2	39,100	1/2	24,149	1/2	9,499	1/2		1/2		1/2				1/2	
3/4	68,856	3/4	53,798	3/4	38,790	3/4	23,836	3/4	9,214	3/4		3/4		3/4				3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/08/2019 CL
CALCULATED: 05/09/2019 CL
PRINTED: 05/10/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 3044"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-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	0	0	204,049	0	189,017	0	173,956	0	158,881	0	143,806	0	128,730	0	113,655	0	98,579
1/4		1/4		1/4	203,736	1/4	188,704	1/4	173,642	1/4	158,567	1/4	143,492	1/4	128,416	1/4	113,341	1/4	98,265
1/2		1/2		1/2	203,422	1/2	188,391	1/2	173,328	1/2	158,253	1/2	143,177	1/2	128,102	1/2	113,027	1/2	97,951
3/4		3/4		3/4	203,109	3/4	188,078	3/4	173,014	3/4	157,939	3/4	142,863	3/4	127,788	3/4	112,713	3/4	97,637
1	1	1	1	1	202,796	1	187,765	1	172,700	1	157,625	1	142,549	1	127,474	1	112,399	1	97,323
1/4		1/4		1/4	202,483	1/4	187,451	1/4	172,386	1/4	157,311	1/4	142,235	1/4	127,160	1/4	112,084	1/4	97,009
1/2		1/2		1/2	202,170	1/2	187,138	1/2	172,072	1/2	156,997	1/2	141,921	1/2	126,846	1/2	111,770	1/2	96,695
3/4		3/4		3/4	201,857	3/4	186,825	3/4	171,758	3/4	156,683	3/4	141,607	3/4	126,532	3/4	111,456	3/4	96,381
2	2	2	2	2	201,544	2	186,512	2	171,444	2	156,368	2	141,293	2	126,218	2	111,142	2	96,067
1/4		1/4		1/4	201,230	1/4	186,199	1/4	171,130	1/4	156,054	1/4	140,979	1/4	125,904	1/4	110,828	1/4	95,753
1/2		1/2		1/2	200,917	1/2	185,886	1/2	170,816	1/2	155,740	1/2	140,665	1/2	125,590	1/2	110,514	1/2	95,439
3/4		3/4		3/4	200,604	3/4	185,572	3/4	170,502	3/4	155,426	3/4	140,351	3/4	125,275	3/4	110,200	3/4	95,125
3	3	3	3	3	200,291	3	185,259	3	170,188	3	155,112	3	140,037	3	124,961	3	109,886	3	94,811
1/4		1/4		1/4	199,978	1/4	184,946	1/4	169,874	1/4	154,798	1/4	139,723	1/4	124,647	1/4	109,572	1/4	94,497
1/2		1/2		1/2	199,665	1/2	184,633	1/2	169,559	1/2	154,484	1/2	139,409	1/2	124,333	1/2	109,258	1/2	94,182
3/4		3/4		3/4	199,351	3/4	184,320	3/4	169,245	3/4	154,170	3/4	139,095	3/4	124,019	3/4	108,944	3/4	93,868
4	4	4	4	4	199,038	4	184,007	4	168,931	4	153,856	4	138,781	4	123,705	4	108,630	4	93,554
1/4		1/4		1/4	198,725	1/4	183,693	1/4	168,617	1/4	153,542	1/4	138,466	1/4	123,391	1/4	108,316	1/4	93,240
1/2		1/2		1/2	198,412	1/2	183,379	1/2	168,303	1/2	153,228	1/2	138,152	1/2	123,077	1/2	108,002	1/2	92,926
3/4		3/4		3/4	211,948	3/4	198,099	3/4	183,064	3/4	167,989	3/4	152,914	3/4	137,838	3/4	122,763	3/4	107,612
5	5	5	5	5	211,798	5	197,786	5	182,750	5	167,675	5	152,600	5	137,524	5	122,449	5	107,373
1/4		1/4		1/4	211,608	1/4	197,472	1/4	182,436	1/4	167,361	1/4	152,286	1/4	137,210	1/4	122,135	1/4	107,059
1/2		1/2		1/2	211,419	1/2	197,159	1/2	182,122	1/2	167,047	1/2	151,971	1/2	136,896	1/2	121,821	1/2	106,745
3/4		3/4		3/4	211,230	3/4	196,846	3/4	181,808	3/4	166,733	3/4	151,657	3/4	136,582	3/4	121,507	3/4	106,431
6	6	6	6	6	211,041	6	196,533	6	181,494	6	166,419	6	151,343	6	136,268	6	121,193	6	106,117
1/4		1/4		1/4	210,813	1/4	196,220	1/4	181,180	1/4	166,105	1/4	151,029	1/4	135,954	1/4	120,878	1/4	105,803
1/2		1/2		1/2	210,584	1/2	195,907	1/2	180,866	1/2	165,791	1/2	150,715	1/2	135,640	1/2	120,564	1/2	105,489
3/4		3/4		3/4	210,356	3/4	195,594	3/4	180,552	3/4	165,477	3/4	150,401	3/4	135,326	3/4	120,250	3/4	105,175
7	7	7	7	7	210,127	7	195,280	7	180,238	7	165,162	7	150,087	7	135,012	7	119,936	7	104,861
1/4		1/4		1/4	209,853	1/4	194,967	1/4	179,924	1/4	164,848	1/4	149,773	1/4	134,698	1/4	119,622	1/4	104,547
1/2		1/2		1/2	209,579	1/2	194,654	1/2	179,610	1/2	164,534	1/2	149,459	1/2	134,384	1/2	119,308	1/2	104,233
3/4		3/4		3/4	209,306	3/4	194,341	3/4	179,296	3/4	164,220	3/4	149,145	3/4	134,069	3/4	118,994	3/4	103,919
8	8	8	8	8	209,032	8	194,028	8	178,982	8	163,906	8	148,831	8	133,755	8	118,680	8	103,605
1/4		1/4		1/4	208,724	1/4	193,715	1/4	178,667	1/4	163,592	1/4	148,517	1/4	133,441	1/4	118,366	1/4	103,291
1/2		1/2		1/2	208,417	1/2	193,401	1/2	178,353	1/2	163,278	1/2	148,203	1/2	133,127	1/2	118,052	1/2	102,976
3/4		3/4		3/4	208,110	3/4	193,088	3/4	178,039	3/4	162,964	3/4	147,889	3/4	132,813	3/4	117,738	3/4	102,662
9	9	9	9	9	207,803	9	192,775	9	177,725	9	162,650	9	147,574	9	132,499	9	117,424	9	102,348
1/4		1/4		1/4	207,490	1/4	192,462	1/4	177,411	1/4	162,336	1/4	147,260	1/4	132,185	1/4	117,110	1/4	102,034
1/2		1/2		1/2	207,178	1/2	192,149	1/2	177,097	1/2	162,022	1/2	146,946	1/2	131,871	1/2	116,796	1/2	101,720
3/4		3/4		3/4	206,866	3/4	191,836	3/4	176,783	3/4	161,708	3/4	146,632	3/4	131,557	3/4	116,481	3/4	101,406
10	10	10	10	10	206,553	10	191,522	10	176,469	10	161,394	10	146,318	10	131,243	10	116,167	10	101,092
1/4		1/4		1/4	206,240	1/4	191,209	1/4	176,155	1/4	161,080	1/4	146,004	1/4	130,929	1/4	115,853	1/4	100,778
1/2		1/2		1/2	205,927	1/2	190,896	1/2	175,841	1/2	160,765	1/2	145,690	1/2	130,615	1/2	115,539	1/2	100,464
3/4		3/4		3/4	205,614	3/4	190,583	3/4	175,527	3/4	160,451	3/4	145,376	3/4	130,301	3/4	115,225	3/4	100,150
11	11	11	11	11	205,301	11	190,270	11	175,213	11	160,137	11	145,062	11	129,987	11	114,911	11	99,836
1/4		1/4		1/4	204,988	1/4	189,957	1/4	174,899	1/4	159,823	1/4	144,748	1/4	129,672	1/4	114,597	1/4	99,522
1/2		1/2		1/2	204,675	1/2	189,644	1/2	174,585	1/2	159,509	1/2	144,434	1/2	129,358	1/2	114,283	1/2	99,208
3/4		3/4		3/4	204,362	3/4	189,330	3/4	174,271	3/4	159,195	3/4	144,120	3/4	129,044	3/4	113,969	3/4	98,894

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" MMC VALVI
 GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 43'-6" FORWARD OF AFT BULKHEAD

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



BARGE "HSM 3044"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08"

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	83,504	0	68,429	0	53,353	0	38,285	0	23,233	0	8,652	0		0					0
1/4	83,190	1/4	68,115	1/4	53,039	1/4	37,972	1/4	22,919	1/4	8,371	1/4		1/4					1/4
1/2	82,876	1/2	67,801	1/2	52,725	1/2	37,659	1/2	22,605	1/2	8,090	1/2		1/2					1/2
3/4	82,562	3/4	67,486	3/4	52,411	3/4	37,345	3/4	22,291	3/4	7,809	3/4		3/4					3/4
1	82,248	1	67,172	1	52,097	1	37,032	1	21,977	1	7,527	1		1					1
1/4	81,934	1/4	66,858	1/4	51,783	1/4	36,719	1/4	21,663	1/4	7,250	1/4		1/4					1/4
1/2	81,620	1/2	66,544	1/2	51,469	1/2	36,406	1/2	21,349	1/2	6,973	1/2		1/2					1/2
3/4	81,306	3/4	66,230	3/4	51,155	3/4	36,092	3/4	21,035	3/4	6,695	3/4		3/4					3/4
2	80,991	2	65,916	2	50,841	2	35,779	2	20,721	2	6,418	2		2					2
1/4	80,677	1/4	65,602	1/4	50,527	1/4	35,466	1/4	20,407	1/4	6,145	1/4		1/4					1/4
1/2	80,363	1/2	65,288	1/2	50,213	1/2	35,153	1/2	20,092	1/2	5,871	1/2		1/2					1/2
3/4	80,049	3/4	64,974	3/4	49,898	3/4	34,839	3/4	19,778	3/4	5,598	3/4		3/4					3/4
3	79,735	3	64,660	3	49,584	3	34,526	3	19,464	3	5,325	3		3					3
1/4	79,421	1/4	64,346	1/4	49,270	1/4	34,213	1/4	19,150	1/4	5,056	1/4		1/4					1/4
1/2	79,107	1/2	64,032	1/2	48,956	1/2	33,900	1/2	18,836	1/2	4,786	1/2		1/2					1/2
3/4	78,793	3/4	63,718	3/4	48,642	3/4	33,586	3/4	18,522	3/4	4,517	3/4		3/4					3/4
4	78,479	4	63,404	4	48,328	4	33,273	4	18,208	4	4,248	4		4					4
1/4	78,165	1/4	63,089	1/4	48,014	1/4	32,960	1/4	17,896	1/4	3,984	1/4		1/4					1/4
1/2	77,851	1/2	62,775	1/2	47,700	1/2	32,647	1/2	17,584	1/2	3,719	1/2		1/2					1/2
3/4	77,537	3/4	62,461	3/4	47,386	3/4	32,334	3/4	17,272	3/4	3,455	3/4		3/4					3/4
5	77,223	5	62,147	5	47,072	5	32,020	5	16,960	5	3,190	5		5					5
1/4	76,909	1/4	61,833	1/4	46,758	1/4	31,707	1/4	16,651	1/4	2,930	1/4		1/4					1/4
1/2	76,594	1/2	61,519	1/2	46,444	1/2	31,394	1/2	16,343	1/2	2,670	1/2		1/2					1/2
3/4	76,280	3/4	61,205	3/4	46,130	3/4	31,081	3/4	16,035	3/4	2,411	3/4		3/4					3/4
6	75,966	6	60,891	6	45,816	6	30,767	6	15,727	6	2,151	6		6					6
1/4	75,652	1/4	60,577	1/4	45,501	1/4	30,454	1/4	15,422	1/4	1,897	1/4		1/4					1/4
1/2	75,338	1/2	60,263	1/2	45,187	1/2	30,141	1/2	15,118	1/2	1,643	1/2		1/2					1/2
3/4	75,024	3/4	59,949	3/4	44,873	3/4	29,828	3/4	14,813	3/4	1,389	3/4		3/4					3/4
7	74,710	7	59,635	7	44,559	7	29,514	7	14,509	7	1,135	7		7					7
1/4	74,396	1/4	59,321	1/4	44,245	1/4	29,200	1/4	14,208	1/4	933	1/4		1/4					1/4
1/2	74,082	1/2	59,007	1/2	43,931	1/2	28,886	1/2	13,908	1/2	731	1/2		1/2					1/2
3/4	73,768	3/4	58,692	3/4	43,617	3/4	28,572	3/4	13,607	3/4	530	3/4		3/4					3/4
8	73,454	8	58,378	8	43,303	8	28,258	8	13,307	8	328	8		8					8
1/4	73,140	1/4	58,064	1/4	42,989	1/4	27,944	1/4	13,010	1/4		1/4		1/4					1/4
1/2	72,826	1/2	57,750	1/2	42,675	1/2	27,630	1/2	12,713	1/2		1/2		1/2					1/2
3/4	72,512	3/4	57,436	3/4	42,361	3/4	27,316	3/4	12,417	3/4		3/4		3/4					3/4
9	72,197	9	57,122	9	42,047	9	27,002	9	12,120	9		9		9					9
1/4	71,883	1/4	56,808	1/4	41,733	1/4	26,688	1/4	11,827	1/4		1/4		1/4					1/4
1/2	71,569	1/2	56,494	1/2	41,420	1/2	26,374	1/2	11,534	1/2		1/2		1/2					1/2
3/4	71,255	3/4	56,180	3/4	41,106	3/4	26,060	3/4	11,241	3/4		3/4		3/4					3/4
10	70,941	10	55,866	10	40,792	10	25,746	10	10,949	10		10		10					10
1/4	70,627	1/4	55,552	1/4	40,479	1/4	25,432	1/4	10,660	1/4		1/4		1/4					1/4
1/2	70,313	1/2	55,238	1/2	40,165	1/2	25,117	1/2	10,371	1/2		1/2		1/2					1/2
3/4	69,999	3/4	54,924	3/4	39,852	3/4	24,803	3/4	10,082	3/4		3/4		3/4					3/4
11	69,685	11	54,610	11	39,538	11	24,489	11	9,793	11		11		11					11
1/4	69,371	1/4	54,295	1/4	39,225	1/4	24,175	1/4	9,508	1/4		1/4		1/4					1/4
1/2	69,057	1/2	53,981	1/2	38,912	1/2	23,861	1/2	9,223	1/2		1/2		1/2					1/2
3/4	68,743	3/4	53,667	3/4	38,598	3/4	23,547	3/4	8,937	3/4		3/4		3/4					3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/08/2019 CL
CALCULATED: 05/09/2019 CL
PRINTED: 05/10/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "HSM 3044"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 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	0	0	206,823	0	191,752	0	176,652	0	161,536	0	146,420	0	131,305	0	116,189	0	101,073
1/4	1/4	1/4	1/4	1/4	206,509	1/4	191,438	1/4	176,337	1/4	161,221	1/4	146,105	1/4	130,990	1/4	115,874	1/4	100,758
1/2	1/2	1/2	1/2	1/2	206,195	1/2	191,124	1/2	176,022	1/2	160,906	1/2	145,790	1/2	130,675	1/2	115,559	1/2	100,443
3/4	3/4	3/4	3/4	3/4	205,881	3/4	190,810	3/4	175,707	3/4	160,591	3/4	145,475	3/4	130,360	3/4	115,244	3/4	100,129
1	1	1	1	1	205,567	1	190,496	1	175,392	1	160,276	1	145,161	1	130,045	1	114,929	1	99,814
1/4	1/4	1/4	1/4	1/4	205,253	1/4	190,182	1/4	175,077	1/4	159,961	1/4	144,846	1/4	129,730	1/4	114,614	1/4	99,499
1/2	1/2	1/2	1/2	1/2	204,939	1/2	189,868	1/2	174,762	1/2	159,646	1/2	144,531	1/2	129,415	1/2	114,299	1/2	99,184
3/4	3/4	3/4	3/4	3/4	204,625	3/4	189,554	3/4	174,447	3/4	159,332	3/4	144,216	3/4	129,100	3/4	113,985	3/4	98,869
2	2	2	2	2	204,311	2	189,240	2	174,132	2	159,017	2	143,901	2	128,785	2	113,670	2	98,554
1/4	1/4	1/4	1/4	1/4	203,997	1/4	188,926	1/4	173,817	1/4	158,702	1/4	143,586	1/4	128,470	1/4	113,355	1/4	98,239
1/2	1/2	1/2	1/2	1/2	203,683	1/2	188,612	1/2	173,502	1/2	158,387	1/2	143,271	1/2	128,155	1/2	113,040	1/2	97,924
3/4	3/4	3/4	3/4	3/4	203,369	3/4	188,298	3/4	173,188	3/4	158,072	3/4	142,956	3/4	127,841	3/4	112,725	3/4	97,609
3	3	3	3	3	203,055	3	187,984	3	172,873	3	157,757	3	142,641	3	127,526	3	112,410	3	97,294
1/4	1/4	1/4	1/4	1/4	202,742	1/4	187,670	1/4	172,558	1/4	157,442	1/4	142,326	1/4	127,211	1/4	112,095	1/4	96,979
1/2	1/2	1/2	1/2	1/2	202,428	1/2	187,356	1/2	172,243	1/2	157,127	1/2	142,011	1/2	126,896	1/2	111,780	1/2	96,665
3/4	3/4	3/4	3/4	3/4	202,114	3/4	187,042	3/4	171,928	3/4	156,812	3/4	141,697	3/4	126,581	3/4	111,465	3/4	96,350
4	4	4	4	4	201,800	4	186,728	4	171,613	4	156,497	4	141,382	4	126,266	4	111,150	4	96,035
1/4	1/4	1/4	1/4	1/4	201,486	1/4	186,414	1/4	171,298	1/4	156,182	1/4	141,067	1/4	125,951	1/4	110,835	1/4	95,720
1/2	1/2	1/2	1/2	1/2	201,172	1/2	186,099	1/2	170,983	1/2	155,868	1/2	140,752	1/2	125,636	1/2	110,521	1/2	95,405
3/4	3/4	3/4	3/4	3/4	200,858	3/4	185,784	3/4	170,668	3/4	155,553	3/4	140,437	3/4	125,321	3/4	110,206	3/4	95,090
5	5	5	5	5	214,429	5	185,469	5	170,353	5	155,238	5	140,122	5	125,006	5	109,891	5	94,775
1/4	1/4	1/4	1/4	1/4	214,279	1/4	185,154	1/4	170,038	1/4	154,923	1/4	139,807	1/4	124,691	1/4	109,576	1/4	94,460
1/2	1/2	1/2	1/2	1/2	214,089	1/2	184,839	1/2	169,724	1/2	154,608	1/2	139,492	1/2	124,377	1/2	109,261	1/2	94,145
3/4	3/4	3/4	3/4	3/4	213,900	3/4	184,524	3/4	169,409	3/4	154,293	3/4	139,177	3/4	124,062	3/4	108,946	3/4	93,830
6	6	6	6	6	213,710	6	184,209	6	169,094	6	153,978	6	138,862	6	123,747	6	108,631	6	93,515
1/4	1/4	1/4	1/4	1/4	213,520	1/4	183,894	1/4	168,779	1/4	153,663	1/4	138,547	1/4	123,432	1/4	108,316	1/4	93,201
1/2	1/2	1/2	1/2	1/2	213,291	1/2	183,580	1/2	168,464	1/2	153,348	1/2	138,233	1/2	123,117	1/2	108,001	1/2	92,886
3/4	3/4	3/4	3/4	3/4	213,062	3/4	183,265	3/4	168,149	3/4	153,033	3/4	137,918	3/4	122,802	3/4	107,686	3/4	92,571
7	7	7	7	7	212,833	7	182,950	7	167,834	7	152,718	7	137,603	7	122,487	7	107,371	7	92,256
1/4	1/4	1/4	1/4	1/4	212,604	1/4	182,635	1/4	167,519	1/4	152,404	1/4	137,288	1/4	122,172	1/4	107,057	1/4	91,941
1/2	1/2	1/2	1/2	1/2	212,330	1/2	182,320	1/2	167,204	1/2	152,089	1/2	136,973	1/2	121,857	1/2	106,742	1/2	91,626
3/4	3/4	3/4	3/4	3/4	212,055	3/4	182,005	3/4	166,889	3/4	151,774	3/4	136,658	3/4	121,542	3/4	106,427	3/4	91,311
8	8	8	8	8	211,780	8	181,690	8	166,574	8	151,459	8	136,343	8	121,227	8	106,112	8	90,996
1/4	1/4	1/4	1/4	1/4	211,506	1/4	181,375	1/4	166,260	1/4	151,144	1/4	136,028	1/4	120,913	1/4	105,797	1/4	90,681
1/2	1/2	1/2	1/2	1/2	211,198	1/2	181,060	1/2	165,945	1/2	150,829	1/2	135,713	1/2	120,598	1/2	105,482	1/2	90,366
3/4	3/4	3/4	3/4	3/4	210,890	3/4	180,745	3/4	165,630	3/4	150,514	3/4	135,398	3/4	120,283	3/4	105,167	3/4	90,051
9	9	9	9	9	210,582	9	180,430	9	165,315	9	150,199	9	135,083	9	119,968	9	104,852	9	89,737
1/4	1/4	1/4	1/4	1/4	210,273	1/4	180,116	1/4	165,000	1/4	149,884	1/4	134,769	1/4	119,653	1/4	104,537	1/4	89,422
1/2	1/2	1/2	1/2	1/2	209,960	1/2	179,801	1/2	164,685	1/2	149,569	1/2	134,454	1/2	119,338	1/2	104,222	1/2	89,107
3/4	3/4	3/4	3/4	3/4	209,647	3/4	179,486	3/4	164,370	3/4	149,254	3/4	134,139	3/4	119,023	3/4	103,907	3/4	88,792
10	10	10	10	10	209,334	10	179,171	10	164,055	10	148,940	10	133,824	10	118,708	10	103,593	10	88,477
1/4	1/4	1/4	1/4	1/4	209,021	1/4	178,856	1/4	163,740	1/4	148,625	1/4	133,509	1/4	118,393	1/4	103,278	1/4	88,162
1/2	1/2	1/2	1/2	1/2	208,707	1/2	178,541	1/2	163,425	1/2	148,310	1/2	133,194	1/2	118,078	1/2	102,963	1/2	87,847
3/4	3/4	3/4	3/4	3/4	208,393	3/4	178,226	3/4	163,110	3/4	147,995	3/4	132,879	3/4	117,763	3/4	102,648	3/4	87,532
11	11	11	11	11	208,079	11	177,911	11	162,796	11	147,680	11	132,564	11	117,449	11	102,333	11	87,217
1/4	1/4	1/4	1/4	1/4	207,765	1/4	177,596	1/4	162,481	1/4	147,365	1/4	132,249	1/4	117,134	1/4	102,018	1/4	86,902
1/2	1/2	1/2	1/2	1/2	207,451	1/2	177,281	1/2	162,166	1/2	147,050	1/2	131,934	1/2	116,819	1/2	101,703	1/2	86,587
3/4	3/4	3/4	3/4	3/4	207,137	3/4	176,966	3/4	161,851	3/4	146,735	3/4	131,619	3/4	116,504	3/4	101,388	3/4	86,273

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" MMC VALVE
 GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 43'-6" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HSM 3044"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 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	85,958	0	70,842	0	55,726	0	40,849	0	26,118	0	11,003	0		0		0		0	
1/4	85,643	1/4	70,527	1/4	55,411	1/4	40,547	1/4	25,803	1/4	10,688	1/4		1/4		1/4		1/4	
1/2	85,328	1/2	70,212	1/2	55,097	1/2	40,246	1/2	25,489	1/2	10,373	1/2		1/2		1/2		1/2	
3/4	85,013	3/4	69,897	3/4	54,782	3/4	39,944	3/4	25,174	3/4	10,058	3/4		3/4		3/4		3/4	
1	84,698	1	69,582	1	54,467	1	39,643	1	24,859	1	9,744	1		1		1		1	
1/4	84,383	1/4	69,267	1/4	54,152	1/4	39,341	1/4	24,544	1/4	9,429	1/4		1/4		1/4		1/4	
1/2	84,068	1/2	68,953	1/2	53,837	1/2	39,039	1/2	24,229	1/2	9,114	1/2		1/2		1/2		1/2	
3/4	83,753	3/4	68,638	3/4	53,522	3/4	38,738	3/4	23,914	3/4	8,799	3/4		3/4		3/4		3/4	
2	83,438	2	68,323	2	53,207	2	38,436	2	23,599	2	8,484	2		2		2		2	
1/4	83,123	1/4	68,008	1/4	52,892	1/4	38,134	1/4	23,284	1/4	8,169	1/4		1/4		1/4		1/4	
1/2	82,809	1/2	67,693	1/2	52,577	1/2	37,833	1/2	22,969	1/2	7,854	1/2		1/2		1/2		1/2	
3/4	82,494	3/4	67,378	3/4	52,262	3/4	37,531	3/4	22,654	3/4	7,540	3/4		3/4		3/4		3/4	
3	82,179	3	67,063	3	51,947	3	37,229	3	22,340	3	7,225	3		3		3		3	
1/4	81,864	1/4	66,748	1/4	51,632	1/4	36,928	1/4	22,025	1/4	6,910	1/4		1/4		1/4		1/4	
1/2	81,549	1/2	66,433	1/2	51,318	1/2	36,626	1/2	21,710	1/2	6,596	1/2		1/2		1/2		1/2	
3/4	81,234	3/4	66,118	3/4	51,003	3/4	36,324	3/4	21,395	3/4	6,282	3/4		3/4		3/4		3/4	
4	80,919	4	65,803	4	50,688	4	36,023	4	21,080	4	5,967	4		4		4		4	
1/4	80,604	1/4	65,489	1/4	50,373	1/4	35,721	1/4	20,765	1/4	5,653	1/4		1/4		1/4		1/4	
1/2	80,289	1/2	65,174	1/2	50,058	1/2	35,420	1/2	20,450	1/2	5,339	1/2		1/2		1/2		1/2	
3/4	79,974	3/4	64,859	3/4	49,743	3/4	35,118	3/4	20,135	3/4	5,026	3/4		3/4		3/4		3/4	
5	79,659	5	64,544	5	49,428	5	34,816	5	19,820	5	4,712	5		5		5		5	
1/4	79,345	1/4	64,229	1/4	49,113	1/4	34,515	1/4	19,505	1/4	4,398	1/4		1/4		1/4		1/4	
1/2	79,030	1/2	63,914	1/2	48,798	1/2	34,213	1/2	19,191	1/2	4,086	1/2		1/2		1/2		1/2	
3/4	78,715	3/4	63,599	3/4	48,483	3/4	33,911	3/4	18,876	3/4	3,773	3/4		3/4		3/4		3/4	
6	78,400	6	63,284	6	48,168	6	33,610	6	18,561	6	3,460	6		6		6		6	
1/4	78,085	1/4	62,969	1/4	47,854	1/4	33,308	1/4	18,246	1/4	3,148	1/4		1/4		1/4		1/4	
1/2	77,770	1/2	62,654	1/2	47,539	1/2	33,006	1/2	17,931	1/2	2,837	1/2		1/2		1/2		1/2	
3/4	77,455	3/4	62,339	3/4	47,224	3/4	32,705	3/4	17,616	3/4	2,526	3/4		3/4		3/4		3/4	
7	77,140	7	62,025	7	46,909	7	32,403	7	17,301	7	2,215	7		7		7		7	
1/4	76,825	1/4	61,710	1/4	46,594	1/4	32,101	1/4	16,986	1/4	1,904	1/4		1/4		1/4		1/4	
1/2	76,510	1/2	61,395	1/2	46,291	1/2	31,787	1/2	16,671	1/2	1,642	1/2		1/2		1/2		1/2	
3/4	76,195	3/4	61,080	3/4	45,988	3/4	31,472	3/4	16,356	3/4	1,380	3/4		3/4		3/4		3/4	
8	75,881	8	60,765	8	45,685	8	31,157	8	16,042	8	1,117	8		8		8		8	
1/4	75,566	1/4	60,450	1/4	45,382	1/4	30,842	1/4	15,727	1/4	855	1/4		1/4		1/4		1/4	
1/2	75,251	1/2	60,135	1/2	45,079	1/2	30,527	1/2	15,412	1/2		1/2		1/2		1/2		1/2	
3/4	74,936	3/4	59,820	3/4	44,776	3/4	30,212	3/4	15,097	3/4		3/4		3/4		3/4		3/4	
9	74,621	9	59,505	9	44,473	9	29,897	9	14,782	9		9		9		9		9	
1/4	74,306	1/4	59,190	1/4	44,170	1/4	29,582	1/4	14,467	1/4		1/4		1/4		1/4		1/4	
1/2	73,991	1/2	58,875	1/2	43,868	1/2	29,267	1/2	14,152	1/2		1/2		1/2		1/2		1/2	
3/4	73,676	3/4	58,561	3/4	43,566	3/4	28,952	3/4	13,837	3/4		3/4		3/4		3/4		3/4	
10	73,361	10	58,246	10	43,264	10	28,638	10	13,522	10		10		10		10		10	
1/4	73,046	1/4	57,931	1/4	42,962	1/4	28,323	1/4	13,207	1/4		1/4		1/4		1/4		1/4	
1/2	72,731	1/2	57,616	1/2	42,660	1/2	28,008	1/2	12,893	1/2		1/2		1/2		1/2		1/2	
3/4	72,417	3/4	57,301	3/4	42,358	3/4	27,693	3/4	12,578	3/4		3/4		3/4		3/4		3/4	
11	72,102	11	56,986	11	42,056	11	27,378	11	12,263	11		11		11		11		11	
1/4	71,787	1/4	56,671	1/4	41,754	1/4	27,063	1/4	11,948	1/4		1/4		1/4		1/4		1/4	
1/2	71,472	1/2	56,356	1/2	41,452	1/2	26,748	1/2	11,633	1/2		1/2		1/2		1/2		1/2	
3/4	71,157	3/4	56,041	3/4	41,151	3/4	26,433	3/4	11,318	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/08/2019 CL
CALCULATED: 05/09/2019 CL
PRINTED: 05/10/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019

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



BARGE "HSM 3044"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 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	0	0	207,249	0	192,189	0	177,101	0	161,998	0	146,894	0	131,791	0	116,687	0	101,584
1/4		1/4		1/4	206,935	1/4	191,875	1/4	176,787	1/4	161,683	1/4	146,580	1/4	131,476	1/4	116,373	1/4	101,269
1/2		1/2		1/2	206,621	1/2	191,562	1/2	176,472	1/2	161,368	1/2	146,265	1/2	131,162	1/2	116,058	1/2	100,955
3/4		3/4		3/4	206,308	3/4	191,248	3/4	176,157	3/4	161,054	3/4	145,950	3/4	130,847	3/4	115,743	3/4	100,640
1	1	1	1	1	205,994	1	190,934	1	175,843	1	160,739	1	145,636	1	130,532	1	115,429	1	100,325
1/4		1/4		1/4	205,680	1/4	190,620	1/4	175,528	1/4	160,425	1/4	145,321	1/4	130,218	1/4	115,114	1/4	100,011
1/2		1/2		1/2	205,366	1/2	190,307	1/2	175,213	1/2	160,110	1/2	145,006	1/2	129,903	1/2	114,800	1/2	99,696
3/4		3/4		3/4	205,053	3/4	189,993	3/4	174,899	3/4	159,795	3/4	144,692	3/4	129,588	3/4	114,485	3/4	99,381
2	2	2	2	2	204,739	2	189,679	2	174,584	2	159,481	2	144,377	2	129,274	2	114,170	2	99,067
1/4		1/4		1/4	204,425	1/4	189,366	1/4	174,269	1/4	159,166	1/4	144,062	1/4	128,959	1/4	113,856	1/4	98,752
1/2		1/2		1/2	204,111	1/2	189,052	1/2	173,955	1/2	158,851	1/2	143,748	1/2	128,644	1/2	113,541	1/2	98,437
3/4		3/4		3/4	203,798	3/4	188,738	3/4	173,640	3/4	158,537	3/4	143,433	3/4	128,330	3/4	113,226	3/4	98,123
3	3	3	3	3	203,484	3	188,424	3	173,325	3	158,222	3	143,118	3	128,015	3	112,912	3	97,808
1/4		1/4		1/4	203,170	1/4	188,111	1/4	173,011	1/4	157,907	1/4	142,804	1/4	127,700	1/4	112,597	1/4	97,493
1/2		1/2		1/2	202,857	1/2	187,797	1/2	172,696	1/2	157,593	1/2	142,489	1/2	127,386	1/2	112,282	1/2	97,179
3/4		3/4		3/4	202,543	3/4	187,483	3/4	172,381	3/4	157,278	3/4	142,175	3/4	127,071	3/4	111,968	3/4	96,864
4	4	4	4	4	202,229	4	187,169	4	172,067	4	156,963	4	141,860	4	126,756	4	111,653	4	96,550
1/4		1/4		1/4	201,915	1/4	186,856	1/4	171,752	1/4	156,649	1/4	141,545	1/4	126,442	1/4	111,338	1/4	96,235
1/2		1/2		1/2	201,602	1/2	186,541	1/2	171,437	1/2	156,334	1/2	141,231	1/2	126,127	1/2	111,024	1/2	95,920
3/4		3/4		3/4	201,288	3/4	186,226	3/4	171,123	3/4	156,019	3/4	140,916	3/4	125,812	3/4	110,709	3/4	95,606
5	5	5	5	5	214,849	5	200,974	5	185,912	5	170,808	5	155,705	5	140,601	5	125,498	5	95,291
1/4		1/4		1/4	214,699	1/4	200,660	1/4	185,597	1/4	170,493	1/4	155,390	1/4	140,287	1/4	125,183	1/4	94,976
1/2		1/2		1/2	214,509	1/2	200,347	1/2	185,282	1/2	170,179	1/2	155,075	1/2	139,972	1/2	124,868	1/2	94,662
3/4		3/4		3/4	214,320	3/4	200,033	3/4	184,968	3/4	169,864	3/4	154,761	3/4	139,657	3/4	124,554	3/4	94,347
6	6	6	6	6	214,130	6	199,719	6	184,653	6	169,550	6	154,446	6	139,343	6	124,239	6	94,032
1/4		1/4		1/4	213,941	1/4	199,405	1/4	184,338	1/4	169,235	1/4	154,131	1/4	139,028	1/4	123,925	1/4	93,718
1/2		1/2		1/2	213,712	1/2	199,092	1/2	184,024	1/2	168,920	1/2	153,817	1/2	138,713	1/2	123,610	1/2	93,403
3/4		3/4		3/4	213,483	3/4	198,778	3/4	183,709	3/4	168,606	3/4	153,502	3/4	138,399	3/4	123,295	3/4	93,088
7	7	7	7	7	213,254	7	198,464	7	183,394	7	168,291	7	153,187	7	138,084	7	122,981	7	92,774
1/4		1/4		1/4	213,025	1/4	198,150	1/4	183,080	1/4	167,976	1/4	152,873	1/4	137,769	1/4	122,666	1/4	92,459
1/2		1/2		1/2	212,751	1/2	197,837	1/2	182,765	1/2	167,662	1/2	152,558	1/2	137,455	1/2	122,351	1/2	92,144
3/4		3/4		3/4	212,476	3/4	197,523	3/4	182,450	3/4	167,347	3/4	152,243	3/4	137,140	3/4	122,037	3/4	91,830
8	8	8	8	8	212,202	8	197,209	8	182,136	8	167,032	8	151,929	8	136,825	8	121,722	8	91,515
1/4		1/4		1/4	211,927	1/4	196,895	1/4	181,821	1/4	166,718	1/4	151,614	1/4	136,511	1/4	121,407	1/4	91,200
1/2		1/2		1/2	211,620	1/2	196,582	1/2	181,506	1/2	166,403	1/2	151,300	1/2	136,196	1/2	121,093	1/2	90,886
3/4		3/4		3/4	211,312	3/4	196,268	3/4	181,192	3/4	166,088	3/4	150,985	3/4	135,881	3/4	120,778	3/4	90,571
9	9	9	9	9	211,004	9	195,954	9	180,877	9	165,774	9	150,670	9	135,567	9	120,463	9	90,256
1/4		1/4		1/4	210,696	1/4	195,640	1/4	180,562	1/4	165,459	1/4	150,356	1/4	135,252	1/4	120,149	1/4	89,942
1/2		1/2		1/2	210,383	1/2	195,327	1/2	180,248	1/2	165,144	1/2	150,041	1/2	134,937	1/2	119,834	1/2	89,627
3/4		3/4		3/4	210,070	3/4	195,013	3/4	179,933	3/4	164,830	3/4	149,726	3/4	134,623	3/4	119,519	3/4	89,312
10	10	10	10	10	209,757	10	194,699	10	179,618	10	164,515	10	149,412	10	134,308	10	119,205	10	88,998
1/4		1/4		1/4	209,444	1/4	194,385	1/4	179,304	1/4	164,200	1/4	149,097	1/4	133,993	1/4	118,890	1/4	88,683
1/2		1/2		1/2	209,131	1/2	194,072	1/2	178,989	1/2	163,886	1/2	148,782	1/2	133,679	1/2	118,575	1/2	88,368
3/4		3/4		3/4	208,817	3/4	193,758	3/4	178,675	3/4	163,571	3/4	148,468	3/4	133,364	3/4	118,261	3/4	88,054
11	11	11	11	11	208,504	11	193,444	11	178,360	11	163,256	11	148,153	11	133,050	11	117,946	11	87,739
1/4		1/4		1/4	208,190	1/4	193,130	1/4	178,045	1/4	162,942	1/4	147,838	1/4	132,735	1/4	117,631	1/4	87,425
1/2		1/2		1/2	207,876	1/2	192,817	1/2	177,731	1/2	162,627	1/2	147,524	1/2	132,420	1/2	117,317	1/2	87,110
3/4		3/4		3/4	207,563	3/4	192,503	3/4	177,416	3/4	162,312	3/4	147,209	3/4	132,106	3/4	117,002	3/4	86,795

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" MMC VALVE
 GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 43'-6" FORWARD OF AFT BULKHEAD

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



BARGE "HSM 3044"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	86,481	0	71,377	0	56,274	0	41,177	0	26,097	0	10,994	0		0		0		0	
1/4	86,166	1/4	71,062	1/4	55,959	1/4	40,863	1/4	25,783	1/4	10,680	1/4		1/4		1/4		1/4	
1/2	85,851	1/2	70,748	1/2	55,644	1/2	40,549	1/2	25,468	1/2	10,365	1/2		1/2		1/2		1/2	
3/4	85,537	3/4	70,433	3/4	55,330	3/4	40,235	3/4	25,153	3/4	10,050	3/4		3/4		3/4		3/4	
1	85,222	1	70,118	1	55,015	1	39,921	1	24,839	1	9,736	1		1		1		1	
1/4	84,907	1/4	69,804	1/4	54,700	1/4	39,607	1/4	24,524	1/4	9,421	1/4		1/4		1/4		1/4	
1/2	84,593	1/2	69,489	1/2	54,386	1/2	39,294	1/2	24,209	1/2	9,106	1/2		1/2		1/2		1/2	
3/4	84,278	3/4	69,175	3/4	54,071	3/4	38,980	3/4	23,895	3/4	8,792	3/4		3/4		3/4		3/4	
2	83,963	2	68,860	2	53,756	2	38,666	2	23,580	2	8,477	2		2		2		2	
1/4	83,649	1/4	68,545	1/4	53,442	1/4	38,352	1/4	23,266	1/4	8,163	1/4		1/4		1/4		1/4	
1/2	83,334	1/2	68,231	1/2	53,127	1/2	38,038	1/2	22,951	1/2	7,848	1/2		1/2		1/2		1/2	
3/4	83,019	3/4	67,916	3/4	52,812	3/4	37,724	3/4	22,636	3/4	7,534	3/4		3/4		3/4		3/4	
3	82,705	3	67,601	3	52,498	3	37,411	3	22,322	3	7,219	3		3		3		3	
1/4	82,390	1/4	67,287	1/4	52,183	1/4	37,097	1/4	22,007	1/4	6,905	1/4		1/4		1/4		1/4	
1/2	82,075	1/2	66,972	1/2	51,868	1/2	36,783	1/2	21,692	1/2	6,591	1/2		1/2		1/2		1/2	
3/4	81,761	3/4	66,657	3/4	51,554	3/4	36,469	3/4	21,378	3/4	6,277	3/4		3/4		3/4		3/4	
4	81,446	4	66,343	4	51,239	4	36,155	4	21,063	4	5,963	4		4		4		4	
1/4	81,131	1/4	66,028	1/4	50,924	1/4	35,842	1/4	20,748	1/4	5,649	1/4		1/4		1/4		1/4	
1/2	80,817	1/2	65,713	1/2	50,610	1/2	35,528	1/2	20,434	1/2	5,335	1/2		1/2		1/2		1/2	
3/4	80,502	3/4	65,399	3/4	50,295	3/4	35,214	3/4	20,119	3/4	5,022	3/4		3/4		3/4		3/4	
5	80,187	5	65,084	5	49,981	5	34,900	5	19,804	5	4,708	5		5		5		5	
1/4	79,873	1/4	64,769	1/4	49,666	1/4	34,586	1/4	19,490	1/4	4,395	1/4		1/4		1/4		1/4	
1/2	79,558	1/2	64,455	1/2	49,351	1/2	34,272	1/2	19,175	1/2	4,082	1/2		1/2		1/2		1/2	
3/4	79,243	3/4	64,140	3/4	49,037	3/4	33,959	3/4	18,860	3/4	3,770	3/4		3/4		3/4		3/4	
6	78,929	6	63,825	6	48,722	6	33,645	6	18,546	6	3,458	6		6		6		6	
1/4	78,614	1/4	63,511	1/4	48,407	1/4	33,331	1/4	18,231	1/4	3,145	1/4		1/4		1/4		1/4	
1/2	78,300	1/2	63,196	1/2	48,093	1/2	33,017	1/2	17,917	1/2	2,835	1/2		1/2		1/2		1/2	
3/4	77,985	3/4	62,881	3/4	47,778	3/4	32,703	3/4	17,602	3/4	2,524	3/4		3/4		3/4		3/4	
7	77,670	7	62,567	7	47,463	7	32,389	7	17,287	7	2,213	7		7		7		7	
1/4	77,356	1/4	62,252	1/4	47,149	1/4	32,076	1/4	16,973	1/4	1,903	1/4		1/4		1/4		1/4	
1/2	77,041	1/2	61,937	1/2	46,834	1/2	31,761	1/2	16,658	1/2	1,640	1/2		1/2		1/2		1/2	
3/4	76,726	3/4	61,623	3/4	46,519	3/4	31,446	3/4	16,343	3/4	1,378	3/4		3/4		3/4		3/4	
8	76,412	8	61,308	8	46,205	8	31,132	8	16,029	8	1,116	8		8		8		8	
1/4	76,097	1/4	60,993	1/4	45,890	1/4	30,817	1/4	15,714	1/4	854	1/4		1/4		1/4		1/4	
1/2	75,782	1/2	60,679	1/2	45,575	1/2	30,502	1/2	15,399	1/2		1/2		1/2		1/2		1/2	
3/4	75,468	3/4	60,364	3/4	45,261	3/4	30,188	3/4	15,085	3/4		3/4		3/4		3/4		3/4	
9	75,153	9	60,050	9	44,946	9	29,873	9	14,770	9		9		9		9		9	
1/4	74,838	1/4	59,735	1/4	44,631	1/4	29,558	1/4	14,455	1/4		1/4		1/4		1/4		1/4	
1/2	74,524	1/2	59,420	1/2	44,317	1/2	29,244	1/2	14,141	1/2		1/2		1/2		1/2		1/2	
3/4	74,209	3/4	59,106	3/4	44,003	3/4	28,929	3/4	13,826	3/4		3/4		3/4		3/4		3/4	
10	73,894	10	58,791	10	43,689	10	28,614	10	13,511	10		10		10		10		10	
1/4	73,580	1/4	58,476	1/4	43,375	1/4	28,300	1/4	13,197	1/4		1/4		1/4		1/4		1/4	
1/2	73,265	1/2	58,162	1/2	43,061	1/2	27,985	1/2	12,882	1/2		1/2		1/2		1/2		1/2	
3/4	72,950	3/4	57,847	3/4	42,746	3/4	27,671	3/4	12,568	3/4		3/4		3/4		3/4		3/4	
11	72,636	11	57,532	11	42,432	11	27,356	11	12,253	11		11		11		11		11	
1/4	72,321	1/4	57,218	1/4	42,118	1/4	27,041	1/4	11,938	1/4		1/4		1/4		1/4		1/4	
1/2	72,006	1/2	56,903	1/2	41,804	1/2	26,727	1/2	11,624	1/2		1/2		1/2		1/2		1/2	
3/4	71,692	3/4	56,588	3/4	41,490	3/4	26,412	3/4	11,309	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/08/2019 CL
CALCULATED: 05/09/2019 CL
PRINTED: 05/10/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 3044"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-07 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	188,414	0	178,042	0	167,650	0	157,250	0	144,860	0	129,854	0	114,844	0	99,823		
1/4	1/4	1/4	188,198	1/4	177,826	1/4	167,434	1/4	157,033	1/4	144,548	1/4	129,541	1/4	114,531	1/4	99,510		
1/2	1/2	1/2	187,982	1/2	177,610	1/2	167,217	1/2	156,816	1/2	144,237	1/2	129,228	1/2	114,218	1/2	99,197		
3/4	3/4	3/4	187,765	3/4	177,394	3/4	167,000	3/4	156,600	3/4	143,926	3/4	128,916	3/4	113,906	3/4	98,884		
1	1	1	187,549	1	177,178	1	166,784	1	156,383	1	143,613	1	128,603	1	113,593	1	98,571		
1/4	1/4	1/4	187,333	1/4	176,962	1/4	166,567	1/4	156,166	1/4	143,300	1/4	128,290	1/4	113,280	1/4	98,258		
1/2	1/2	1/2	187,117	1/2	176,746	1/2	166,350	1/2	155,949	1/2	142,988	1/2	127,978	1/2	112,967	1/2	97,945		
3/4	3/4	3/4	186,901	3/4	176,530	3/4	166,134	3/4	155,733	3/4	142,675	3/4	127,665	3/4	112,655	3/4	97,632		
2	2	2	186,685	2	176,313	2	165,917	2	155,516	2	142,362	2	127,352	2	112,342	2	97,319		
1/4	1/4	1/4	186,469	1/4	176,097	1/4	165,700	1/4	155,299	1/4	142,049	1/4	127,039	1/4	112,029	1/4	97,006		
1/2	1/2	1/2	186,253	1/2	175,881	1/2	165,484	1/2	155,083	1/2	141,737	1/2	126,727	1/2	111,717	1/2	96,693		
3/4	3/4	3/4	186,037	3/4	175,665	3/4	165,267	3/4	154,866	3/4	141,424	3/4	126,414	3/4	111,404	3/4	96,380		
3	3	3	185,821	3	175,449	3	165,050	3	154,649	3	141,111	3	126,101	3	111,091	3	96,067		
1/4	1/4	1/4	185,605	1/4	175,233	1/4	164,834	1/4	154,433	1/4	140,799	1/4	125,789	1/4	110,778	1/4	95,754		
1/2	1/2	1/2	185,389	1/2	175,017	1/2	164,617	1/2	154,216	1/2	140,486	1/2	125,476	1/2	110,466	1/2	95,441		
3/4	3/4	3/4	185,173	3/4	174,801	3/4	164,400	3/4	153,999	3/4	140,173	3/4	125,163	3/4	110,153	3/4	95,128		
4	4	4	184,957	4	174,584	4	164,183	4	153,783	4	139,860	4	124,850	4	109,840	4	94,815		
1/4	1/4	1/4	184,740	1/4	174,368	1/4	163,967	1/4	153,566	1/4	139,548	1/4	124,538	1/4	109,527	1/4	94,502		
1/2	1/2	1/2	193,732	1/2	184,524	1/2	174,151	1/2	163,750	1/2	153,349	1/2	139,235	1/2	109,214	1/2	94,189		
3/4	3/4	3/4	193,677	3/4	184,308	3/4	173,934	3/4	163,533	3/4	153,133	3/4	138,922	3/4	108,901	3/4	93,876		
5	5	5	193,583	5	184,092	5	173,718	5	163,317	5	152,916	5	138,610	5	108,588	5	93,563		
1/4	1/4	1/4	193,489	1/4	183,876	1/4	173,501	1/4	163,100	1/4	152,699	1/4	138,297	1/4	108,275	1/4	93,250		
1/2	1/2	1/2	193,395	1/2	183,660	1/2	173,284	1/2	162,883	1/2	152,483	1/2	137,984	1/2	107,962	1/2	92,937		
3/4	3/4	3/4	193,301	3/4	183,444	3/4	173,067	3/4	162,667	3/4	152,266	3/4	137,672	3/4	107,649	3/4	92,624		
6	6	6	193,167	6	183,228	6	172,851	6	162,450	6	152,049	6	137,359	6	107,336	6	92,311		
1/4	1/4	1/4	193,034	1/4	183,012	1/4	172,634	1/4	162,233	1/4	151,832	1/4	137,046	1/4	107,023	1/4	91,998		
1/2	1/2	1/2	192,900	1/2	182,796	1/2	172,417	1/2	162,017	1/2	151,616	1/2	136,733	1/2	106,710	1/2	91,685		
3/4	3/4	3/4	192,767	3/4	182,580	3/4	172,201	3/4	161,800	3/4	151,399	3/4	136,421	3/4	106,397	3/4	91,372		
7	7	7	192,590	7	182,364	7	171,984	7	161,583	7	151,087	7	136,108	7	106,084	7	91,059		
1/4	1/4	1/4	192,413	1/4	182,148	1/4	171,767	1/4	161,367	1/4	150,776	1/4	135,795	1/4	105,771	1/4	90,746		
1/2	1/2	1/2	192,236	1/2	181,931	1/2	171,551	1/2	161,150	1/2	150,464	1/2	135,483	1/2	105,458	1/2	90,433		
3/4	3/4	3/4	192,059	3/4	181,715	3/4	171,334	3/4	160,933	3/4	150,152	3/4	135,170	3/4	105,145	3/4	90,120		
8	8	8	191,849	8	181,499	8	171,117	8	160,717	8	149,841	8	134,857	8	104,832	8	89,807		
1/4	1/4	1/4	191,639	1/4	181,283	1/4	170,901	1/4	160,500	1/4	149,530	1/4	134,544	1/4	104,519	1/4	89,494		
1/2	1/2	1/2	191,429	1/2	181,067	1/2	170,684	1/2	160,283	1/2	149,218	1/2	134,232	1/2	104,206	1/2	89,181		
3/4	3/4	3/4	191,219	3/4	180,851	3/4	170,467	3/4	160,066	3/4	148,907	3/4	133,919	3/4	103,893	3/4	88,868		
9	9	9	191,004	9	180,635	9	170,251	9	159,850	9	148,595	9	133,606	9	103,580	9	88,555		
1/4	1/4	1/4	190,788	1/4	180,419	1/4	170,034	1/4	159,633	1/4	148,284	1/4	133,294	1/4	103,267	1/4	88,242		
1/2	1/2	1/2	190,573	1/2	180,203	1/2	169,817	1/2	159,416	1/2	147,973	1/2	132,981	1/2	102,954	1/2	87,929		
3/4	3/4	3/4	190,358	3/4	179,987	3/4	169,601	3/4	159,200	3/4	147,661	3/4	132,668	3/4	102,641	3/4	87,616		
10	10	10	190,142	10	179,771	10	169,384	10	158,983	10	147,350	10	132,355	10	102,328	10	87,303		
1/4	1/4	1/4	189,926	1/4	179,555	1/4	169,167	1/4	158,766	1/4	147,039	1/4	132,043	1/4	102,014	1/4	86,990		
1/2	1/2	1/2	189,710	1/2	179,339	1/2	168,951	1/2	158,550	1/2	146,727	1/2	131,730	1/2	101,701	1/2	86,676		
3/4	3/4	3/4	189,494	3/4	179,122	3/4	168,734	3/4	158,333	3/4	146,416	3/4	131,417	3/4	101,388	3/4	86,363		
11	11	11	189,278	11	178,906	11	168,517	11	158,116	11	146,105	11	131,105	11	101,075	11	86,050		
1/4	1/4	1/4	189,062	1/4	178,690	1/4	168,300	1/4	157,900	1/4	145,793	1/4	130,792	1/4	100,762	1/4	85,737		
1/2	1/2	1/2	188,846	1/2	178,474	1/2	168,084	1/2	157,683	1/2	145,482	1/2	130,479	1/2	100,449	1/2	85,424		
3/4	3/4	3/4	188,630	3/4	178,258	3/4	167,867	3/4	157,466	3/4	145,171	3/4	130,166	3/4	100,136	3/4	85,111		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" MMC VALVI
 GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD

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



BARGE "HSM 3044"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-07 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	84,798	0	69,773	0	54,748	0	39,987	0	25,354	0	10,327	0		0				0	
1/4	84,485	1/4	69,460	1/4	54,435	1/4	39,689	1/4	25,041	1/4	10,013	1/4		1/4				1/4	1/4
1/2	84,172	1/2	69,147	1/2	54,122	1/2	39,390	1/2	24,728	1/2	9,700	1/2		1/2				1/2	1/2
3/4	83,859	3/4	68,834	3/4	53,809	3/4	39,092	3/4	24,414	3/4	9,387	3/4		3/4				3/4	3/4
1	83,546	1	68,521	1	53,496	1	38,793	1	24,101	1	9,074	1		1				1	1
1/4	83,233	1/4	68,208	1/4	53,183	1/4	38,495	1/4	23,788	1/4	8,761	1/4		1/4				1/4	1/4
1/2	82,920	1/2	67,895	1/2	52,870	1/2	38,196	1/2	23,475	1/2	8,448	1/2		1/2				1/2	1/2
3/4	82,607	3/4	67,582	3/4	52,557	3/4	37,898	3/4	23,162	3/4	8,135	3/4		3/4				3/4	3/4
2	82,294	2	67,269	2	52,244	2	37,600	2	22,849	2	7,821	2		2				2	2
1/4	81,981	1/4	66,956	1/4	51,931	1/4	37,301	1/4	22,536	1/4	7,508	1/4		1/4				1/4	1/4
1/2	81,668	1/2	66,643	1/2	51,618	1/2	37,003	1/2	22,223	1/2	7,195	1/2		1/2				1/2	1/2
3/4	81,355	3/4	66,330	3/4	51,305	3/4	36,704	3/4	21,910	3/4	6,881	3/4		3/4				3/4	3/4
3	81,042	3	66,017	3	50,992	3	36,406	3	21,597	3	6,568	3		3				3	3
1/4	80,729	1/4	65,704	1/4	50,679	1/4	36,107	1/4	21,284	1/4	6,255	1/4		1/4				1/4	1/4
1/2	80,416	1/2	65,391	1/2	50,366	1/2	35,809	1/2	20,971	1/2	5,942	1/2		1/2				1/2	1/2
3/4	80,103	3/4	65,078	3/4	50,053	3/4	35,510	3/4	20,658	3/4	5,629	3/4		3/4				3/4	3/4
4	79,790	4	64,765	4	49,740	4	35,212	4	20,345	4	5,317	4		4				4	4
1/4	79,477	1/4	64,452	1/4	49,427	1/4	34,913	1/4	20,032	1/4	5,004	1/4		1/4				1/4	1/4
1/2	79,164	1/2	64,139	1/2	49,114	1/2	34,615	1/2	19,719	1/2	4,692	1/2		1/2				1/2	1/2
3/4	78,851	3/4	63,826	3/4	48,801	3/4	34,317	3/4	19,405	3/4	4,380	3/4		3/4				3/4	3/4
5	78,538	5	63,513	5	48,488	5	34,018	5	19,092	5	4,068	5		5				5	5
1/4	78,225	1/4	63,200	1/4	48,175	1/4	33,720	1/4	18,779	1/4	3,757	1/4		1/4				1/4	1/4
1/2	77,912	1/2	62,887	1/2	47,862	1/2	33,421	1/2	18,466	1/2	3,446	1/2		1/2				1/2	1/2
3/4	77,599	3/4	62,574	3/4	47,549	3/4	33,123	3/4	18,153	3/4	3,134	3/4		3/4				3/4	3/4
6	77,286	6	62,261	6	47,236	6	32,824	6	17,840	6	2,825	6		6				6	6
1/4	76,973	1/4	61,948	1/4	46,923	1/4	32,526	1/4	17,527	1/4	2,515	1/4		1/4				1/4	1/4
1/2	76,660	1/2	61,635	1/2	46,610	1/2	32,227	1/2	17,214	1/2	2,206	1/2		1/2				1/2	1/2
3/4	76,347	3/4	61,322	3/4	46,297	3/4	31,929	3/4	16,901	3/4	1,896	3/4		3/4				3/4	3/4
7	76,034	7	61,009	7	45,993	7	31,616	7	16,588	7	1,635	7		7				7	7
1/4	75,721	1/4	60,696	1/4	45,690	1/4	31,303	1/4	16,275	1/4	1,374	1/4		1/4				1/4	1/4
1/2	75,408	1/2	60,383	1/2	45,387	1/2	30,990	1/2	15,962	1/2	1,113	1/2		1/2				1/2	1/2
3/4	75,095	3/4	60,070	3/4	45,083	3/4	30,676	3/4	15,649	3/4	852	3/4		3/4				3/4	3/4
8	74,782	8	59,757	8	44,780	8	30,363	8	15,336	8		8		8				8	8
1/4	74,469	1/4	59,444	1/4	44,476	1/4	30,050	1/4	15,023	1/4		1/4		1/4				1/4	1/4
1/2	74,156	1/2	59,131	1/2	44,173	1/2	29,737	1/2	14,709	1/2		1/2		1/2				1/2	1/2
3/4	73,843	3/4	58,818	3/4	43,870	3/4	29,424	3/4	14,396	3/4		3/4		3/4				3/4	3/4
9	73,530	9	58,505	9	43,571	9	29,111	9	14,083	9		9		9				9	9
1/4	73,217	1/4	58,192	1/4	43,272	1/4	28,798	1/4	13,770	1/4		1/4		1/4				1/4	1/4
1/2	72,904	1/2	57,879	1/2	42,973	1/2	28,485	1/2	13,457	1/2		1/2		1/2				1/2	1/2
3/4	72,591	3/4	57,566	3/4	42,675	3/4	28,172	3/4	13,144	3/4		3/4		3/4				3/4	3/4
10	72,278	10	57,253	10	42,376	10	27,858	10	12,831	10		10		10				10	10
1/4	71,965	1/4	56,940	1/4	42,077	1/4	27,545	1/4	12,518	1/4		1/4		1/4				1/4	1/4
1/2	71,651	1/2	56,627	1/2	41,778	1/2	27,232	1/2	12,205	1/2		1/2		1/2				1/2	1/2
3/4	71,338	3/4	56,313	3/4	41,479	3/4	26,919	3/4	11,892	3/4		3/4		3/4				3/4	3/4
11	71,025	11	56,000	11	41,181	11	26,606	11	11,579	11		11		11				11	11
1/4	70,712	1/4	55,687	1/4	40,882	1/4	26,293	1/4	11,266	1/4		1/4		1/4				1/4	1/4
1/2	70,399	1/2	55,374	1/2	40,584	1/2	25,980	1/2	10,953	1/2		1/2		1/2				1/2	1/2
3/4	70,086	3/4	55,061	3/4	40,286	3/4	25,667	3/4	10,640	3/4		3/4		3/4				3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/08/2019 CL
CALCULATED: 05/09/2019 CL
PRINTED: 05/10/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 3044"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-07 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	189,385	0	179,009	0	168,613	0	158,208	0	145,812	0	130,772	0	115,726	0	100,670		
1/4	1/4	1/4	189,169	1/4	178,793	1/4	168,397	1/4	157,992	1/4	145,500	1/4	130,458	1/4	114,412	1/4	100,356		
1/2	1/2	1/2	188,953	1/2	178,577	1/2	168,180	1/2	157,775	1/2	145,189	1/2	130,145	1/2	115,099	1/2	100,042		
3/4	3/4	3/4	188,736	3/4	178,361	3/4	167,963	3/4	157,558	3/4	144,877	3/4	129,831	3/4	114,785	3/4	99,728		
1	1	1	188,520	1	178,145	1	167,746	1	157,341	1	144,564	1	129,518	1	114,472	1	99,415		
1/4	1/4	1/4	188,304	1/4	177,928	1/4	167,529	1/4	157,124	1/4	144,250	1/4	129,204	1/4	114,159	1/4	99,101		
1/2	1/2	1/2	188,088	1/2	177,712	1/2	167,313	1/2	156,908	1/2	143,937	1/2	128,891	1/2	113,845	1/2	98,787		
3/4	3/4	3/4	187,872	3/4	177,496	3/4	167,096	3/4	156,691	3/4	143,623	3/4	128,578	3/4	113,532	3/4	98,473		
2	2	2	187,656	2	177,280	2	166,879	2	156,474	2	143,310	2	128,264	2	113,218	2	98,159		
1/4	1/4	1/4	187,439	1/4	177,064	1/4	166,662	1/4	156,257	1/4	142,996	1/4	127,951	1/4	112,905	1/4	97,846		
1/2	1/2	1/2	187,223	1/2	176,848	1/2	166,446	1/2	156,041	1/2	142,683	1/2	127,637	1/2	112,591	1/2	97,532		
3/4	3/4	3/4	187,007	3/4	176,631	3/4	166,229	3/4	155,824	3/4	142,370	3/4	127,324	3/4	112,278	3/4	97,218		
3	3	3	186,791	3	176,415	3	166,012	3	155,607	3	142,056	3	127,010	3	111,964	3	96,904		
1/4	1/4	1/4	186,575	1/4	176,199	1/4	165,795	1/4	155,390	1/4	141,743	1/4	126,697	1/4	111,651	1/4	96,591		
1/2	1/2	1/2	186,359	1/2	175,983	1/2	165,578	1/2	155,173	1/2	141,429	1/2	126,383	1/2	111,337	1/2	96,277		
3/4	3/4	3/4	186,143	3/4	175,767	3/4	165,362	3/4	154,957	3/4	141,116	3/4	126,070	3/4	111,024	3/4	95,963		
4	4	4	185,926	4	175,550	4	165,145	4	154,740	4	140,802	4	125,756	4	110,710	4	95,649		
1/4	1/4	1/4	185,710	1/4	175,333	1/4	164,928	1/4	154,523	1/4	140,489	1/4	125,443	1/4	110,396	1/4	95,336		
1/2	1/2	194,706	185,494	1/2	175,116	1/2	164,711	1/2	154,306	1/2	140,175	1/2	125,129	1/2	110,083	1/2	95,022		
3/4	3/4	194,651	185,278	3/4	174,900	3/4	164,495	3/4	154,090	3/4	139,862	3/4	124,816	3/4	109,769	3/4	94,708		
5	5	194,556	185,062	5	174,683	5	164,278	5	153,873	5	139,548	5	124,503	5	109,455	5	94,394		
1/4	1/4	194,462	184,846	1/4	174,466	1/4	164,061	1/4	153,656	1/4	139,235	1/4	124,189	1/4	109,141	1/4	94,081		
1/2	1/2	194,368	184,629	1/2	174,249	1/2	163,844	1/2	153,439	1/2	138,922	1/2	123,876	1/2	108,828	1/2	93,767		
3/4	3/4	194,274	184,413	3/4	174,033	3/4	163,628	3/4	153,223	3/4	138,608	3/4	123,562	3/4	108,514	3/4	93,453		
6	6	194,140	184,197	6	173,816	6	163,411	6	153,006	6	138,295	6	123,249	6	108,200	6	93,139		
1/4	1/4	194,007	183,981	1/4	173,599	1/4	163,194	1/4	152,789	1/4	137,981	1/4	122,935	1/4	107,886	1/4	92,825		
1/2	1/2	193,873	183,765	1/2	173,382	1/2	162,977	1/2	152,572	1/2	137,668	1/2	122,622	1/2	107,573	1/2	92,512		
3/4	3/4	193,740	183,549	3/4	173,165	3/4	162,760	3/4	152,355	3/4	137,354	3/4	122,308	3/4	107,259	3/4	92,198		
7	7	193,563	183,332	7	172,949	7	162,544	7	152,044	7	137,041	7	121,995	7	106,945	7	91,884		
1/4	1/4	193,386	183,116	1/4	172,732	1/4	162,327	1/4	151,732	1/4	136,727	1/4	121,681	1/4	106,631	1/4	91,570		
1/2	1/2	193,209	182,900	1/2	172,515	1/2	162,110	1/2	151,420	1/2	136,414	1/2	121,368	1/2	106,317	1/2	91,257		
3/4	3/4	193,032	182,684	3/4	172,298	3/4	161,893	3/4	151,108	3/4	136,100	3/4	121,055	3/4	106,004	3/4	90,943		
8	8	192,822	182,468	8	172,082	8	161,677	8	150,797	8	135,787	8	120,741	8	105,690	8	90,629		
1/4	1/4	192,612	182,252	1/4	171,865	1/4	161,460	1/4	150,485	1/4	135,474	1/4	120,428	1/4	105,376	1/4	90,315		
1/2	1/2	192,401	182,035	1/2	171,648	1/2	161,243	1/2	150,173	1/2	135,160	1/2	120,114	1/2	105,062	1/2	90,002		
3/4	3/4	192,191	181,819	3/4	171,431	3/4	161,026	3/4	149,862	3/4	134,847	3/4	119,801	3/4	104,749	3/4	89,688		
9	9	191,976	181,603	9	171,215	9	160,810	9	149,550	9	134,533	9	119,487	9	104,435	9	89,374		
1/4	1/4	191,760	181,387	1/4	170,998	1/4	160,593	1/4	149,239	1/4	134,220	1/4	119,174	1/4	104,121	1/4	89,060		
1/2	1/2	191,545	181,171	1/2	170,781	1/2	160,376	1/2	148,927	1/2	133,906	1/2	118,860	1/2	103,807	1/2	88,746		
3/4	3/4	191,330	180,955	3/4	170,564	3/4	160,159	3/4	148,616	3/4	133,593	3/4	118,547	3/4	103,494	3/4	88,433		
10	10	191,114	180,738	10	170,347	10	159,942	10	148,304	10	133,279	10	118,233	10	103,180	10	88,119		
1/4	1/4	190,898	180,522	1/4	170,131	1/4	159,726	1/4	147,993	1/4	132,966	1/4	117,920	1/4	102,866	1/4	87,805		
1/2	1/2	190,682	180,306	1/2	169,914	1/2	159,509	1/2	147,681	1/2	132,652	1/2	117,607	1/2	102,552	1/2	87,491		
3/4	3/4	190,466	180,090	3/4	169,697	3/4	159,292	3/4	147,370	3/4	132,339	3/4	117,293	3/4	102,238	3/4	87,178		
11	11	190,250	179,874	11	169,480	11	159,075	11	147,058	11	132,026	11	116,980	11	101,925	11	86,864		
1/4	1/4	190,033	179,658	1/4	169,264	1/4	158,859	1/4	146,746	1/4	131,712	1/4	116,666	1/4	101,611	1/4	86,550		
1/2	1/2	189,817	179,441	1/2	169,047	1/2	158,642	1/2	146,435	1/2	131,399	1/2	116,353	1/2	101,297	1/2	86,236		
3/4	3/4	189,601	179,225	3/4	168,830	3/4	158,425	3/4	146,123	3/4	131,085	3/4	116,039	3/4	100,983	3/4	85,923		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" MMC VALVI
 GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD

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BARGE "HSM 3044"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-07 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	85,609	0	70,548	0	55,487	0	40,434	0	25,396	0	10,336	0		0					0
1/4	85,295	1/4	70,234	1/4	55,173	1/4	40,121	1/4	25,082	1/4	10,022	1/4		1/4					1/4
1/2	84,981	1/2	69,920	1/2	54,860	1/2	39,809	1/2	24,769	1/2	9,708	1/2		1/2					1/2
3/4	84,668	3/4	69,607	3/4	54,546	3/4	39,496	3/4	24,455	3/4	9,395	3/4		3/4					3/4
1	84,354	1	69,293	1	54,232	1	39,183	1	24,141	1	9,081	1		1					1
1/4	84,040	1/4	68,979	1/4	53,918	1/4	38,870	1/4	23,827	1/4	8,767	1/4		1/4					1/4
1/2	83,726	1/2	68,665	1/2	53,605	1/2	38,557	1/2	23,514	1/2	8,453	1/2		1/2					1/2
3/4	83,412	3/4	68,352	3/4	53,291	3/4	38,244	3/4	23,200	3/4	8,140	3/4		3/4					3/4
2	83,099	2	68,038	2	52,977	2	37,931	2	22,886	2	7,826	2		2					2
1/4	82,785	1/4	67,724	1/4	52,663	1/4	37,618	1/4	22,572	1/4	7,513	1/4		1/4					1/4
1/2	82,471	1/2	67,410	1/2	52,349	1/2	37,305	1/2	22,259	1/2	7,199	1/2		1/2					1/2
3/4	82,157	3/4	67,097	3/4	52,036	3/4	36,992	3/4	21,945	3/4	6,885	3/4		3/4					3/4
3	81,844	3	66,783	3	51,722	3	36,679	3	21,631	3	6,572	3		3					3
1/4	81,530	1/4	66,469	1/4	51,408	1/4	36,366	1/4	21,317	1/4	6,259	1/4		1/4					1/4
1/2	81,216	1/2	66,155	1/2	51,094	1/2	36,053	1/2	21,004	1/2	5,946	1/2		1/2					1/2
3/4	80,902	3/4	65,841	3/4	50,781	3/4	35,740	3/4	20,690	3/4	5,633	3/4		3/4					3/4
4	80,589	4	65,528	4	50,467	4	35,427	4	20,376	4	5,320	4		4					4
1/4	80,275	1/4	65,214	1/4	50,153	1/4	35,115	1/4	20,062	1/4	5,008	1/4		1/4					1/4
1/2	79,961	1/2	64,900	1/2	49,839	1/2	34,802	1/2	19,749	1/2	4,695	1/2		1/2					1/2
3/4	79,647	3/4	64,586	3/4	49,526	3/4	34,489	3/4	19,435	3/4	4,383	3/4		3/4					3/4
5	79,333	5	64,273	5	49,212	5	34,176	5	19,121	5	4,071	5		5					5
1/4	79,020	1/4	63,959	1/4	48,898	1/4	33,863	1/4	18,807	1/4	3,759	1/4		1/4					1/4
1/2	78,706	1/2	63,645	1/2	48,584	1/2	33,550	1/2	18,494	1/2	3,448	1/2		1/2					1/2
3/4	78,392	3/4	63,331	3/4	48,271	3/4	33,237	3/4	18,180	3/4	3,136	3/4		3/4					3/4
6	78,078	6	63,018	6	47,957	6	32,924	6	17,866	6	2,827	6		6					6
1/4	77,765	1/4	62,704	1/4	47,643	1/4	32,611	1/4	17,552	1/4	2,517	1/4		1/4					1/4
1/2	77,451	1/2	62,390	1/2	47,329	1/2	32,298	1/2	17,239	1/2	2,207	1/2		1/2					1/2
3/4	77,137	3/4	62,076	3/4	47,015	3/4	31,985	3/4	16,925	3/4	1,897	3/4		3/4					3/4
7	76,823	7	61,763	7	46,702	7	31,671	7	16,611	7	1,636	7		7					7
1/4	76,510	1/4	61,449	1/4	46,388	1/4	31,358	1/4	16,297	1/4	1,375	1/4		1/4					1/4
1/2	76,196	1/2	61,135	1/2	46,074	1/2	31,044	1/2	15,983	1/2	1,113	1/2		1/2					1/2
3/4	75,882	3/4	60,821	3/4	45,760	3/4	30,730	3/4	15,670	3/4	852	3/4		3/4					3/4
8	75,568	8	60,507	8	45,447	8	30,416	8	15,356	8		8		8					8
1/4	75,254	1/4	60,194	1/4	45,133	1/4	30,103	1/4	15,042	1/4		1/4		1/4					1/4
1/2	74,941	1/2	59,880	1/2	44,819	1/2	29,789	1/2	14,728	1/2		1/2		1/2					1/2
3/4	74,627	3/4	59,566	3/4	44,505	3/4	29,475	3/4	14,415	3/4		3/4		3/4					3/4
9	74,313	9	59,252	9	44,192	9	29,161	9	14,101	9		9		9					9
1/4	73,999	1/4	58,939	1/4	43,879	1/4	28,848	1/4	13,787	1/4		1/4		1/4					1/4
1/2	73,686	1/2	58,625	1/2	43,565	1/2	28,534	1/2	13,473	1/2		1/2		1/2					1/2
3/4	73,372	3/4	58,311	3/4	43,252	3/4	28,220	3/4	13,160	3/4		3/4		3/4					3/4
10	73,058	10	57,997	10	42,939	10	27,906	10	12,846	10		10		10					10
1/4	72,744	1/4	57,684	1/4	42,626	1/4	27,593	1/4	12,532	1/4		1/4		1/4					1/4
1/2	72,431	1/2	57,370	1/2	42,312	1/2	27,279	1/2	12,218	1/2		1/2		1/2					1/2
3/4	72,117	3/4	57,056	3/4	41,999	3/4	26,965	3/4	11,905	3/4		3/4		3/4					3/4
11	71,803	11	56,742	11	41,686	11	26,651	11	11,591	11		11		11					11
1/4	71,489	1/4	56,428	1/4	41,373	1/4	26,337	1/4	11,277	1/4		1/4		1/4					1/4
1/2	71,176	1/2	56,115	1/2	41,060	1/2	26,024	1/2	10,963	1/2		1/2		1/2					1/2
3/4	70,862	3/4	55,801	3/4	40,747	3/4	25,710	3/4	10,650	3/4		3/4		3/4					3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/08/2019 CL
CALCULATED: 05/09/2019 CL
PRINTED: 05/10/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019

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



BARGE "HSM 3044"

PORT SLOP ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-10 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	4,492	0	3,333	0	2,174	0	1,014	0		0		0		0	
1/4		1/4		1/4	4,468	1/4	3,309	1/4	2,150	1/4	990	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,444	1/2	3,285	1/2	2,125	1/2	966	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,420	3/4	3,260	3/4	2,101	3/4	942	3/4		3/4		3/4		3/4	
1		1		1	4,396	1	3,236	1	2,077	1	918	1		1		1		1	
1/4		1/4		1/4	4,371	1/4	3,212	1/4	2,053	1/4	894	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,347	1/2	3,188	1/2	2,029	1/2	869	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,323	3/4	3,164	3/4	2,005	3/4	845	3/4		3/4		3/4		3/4	
2		2		2	4,299	2	3,140	2	1,980	2	821	2		2		2		2	
1/4		1/4		1/4	4,275	1/4	3,116	1/4	1,956	1/4	797	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,251	1/2	3,091	1/2	1,932	1/2	773	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,227	3/4	3,067	3/4	1,908	3/4	749	3/4		3/4		3/4		3/4	
3		3		3	4,202	3	3,043	3	1,884	3	725	3		3		3		3	
1/4		1/4		1/4	4,178	1/4	3,019	1/4	1,860	1/4	700	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,154	1/2	2,995	1/2	1,836	1/2	676	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,130	3/4	2,971	3/4	1,811	3/4	652	3/4		3/4		3/4		3/4	
4		4		4	4,106	4	2,947	4	1,787	4	628	4		4		4		4	
1/4		1/4		1/4	4,082	1/4	2,922	1/4	1,763	1/4	604	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,057	1/2	2,898	1/2	1,739	1/2	580	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,033	3/4	2,874	3/4	1,715	3/4	555	3/4		3/4		3/4		3/4	
5		5	5,162	5	4,009	5	2,850	5	1,691	5	531	5		5		5		5	
1/4		1/4	5,138	1/4	3,985	1/4	2,826	1/4	1,666	1/4	507	1/4		1/4		1/4		1/4	
1/2		1/2	5,114	1/2	3,961	1/2	2,802	1/2	1,642	1/2	483	1/2		1/2		1/2		1/2	
3/4		3/4	5,090	3/4	3,937	3/4	2,777	3/4	1,618	3/4	459	3/4		3/4		3/4		3/4	
6		6	5,066	6	3,913	6	2,753	6	1,594	6	435	6		6		6		6	
1/4		1/4	5,043	1/4	3,888	1/4	2,729	1/4	1,570	1/4	411	1/4		1/4		1/4		1/4	
1/2		1/2	5,019	1/2	3,864	1/2	2,705	1/2	1,546	1/2	386	1/2		1/2		1/2		1/2	
3/4		3/4	4,995	3/4	3,840	3/4	2,681	3/4	1,522	3/4	362	3/4		3/4		3/4		3/4	
7		7	4,971	7	3,816	7	2,657	7	1,497	7	338	7		7		7		7	
1/4		1/4	4,947	1/4	3,792	1/4	2,633	1/4	1,473	1/4	314	1/4		1/4		1/4		1/4	
1/2		1/2	4,924	1/2	3,768	1/2	2,608	1/2	1,449	1/2	290	1/2		1/2		1/2		1/2	
3/4		3/4	4,900	3/4	3,744	3/4	2,584	3/4	1,425	3/4	266	3/4		3/4		3/4		3/4	
8		8	4,876	8	3,719	8	2,560	8	1,401	8	242	8		8		8		8	
1/4		1/4	4,852	1/4	3,695	1/4	2,536	1/4	1,377	1/4	217	1/4		1/4		1/4		1/4	
1/2		1/2	4,829	1/2	3,671	1/2	2,512	1/2	1,353	1/2	193	1/2		1/2		1/2		1/2	
3/4		3/4	4,805	3/4	3,647	3/4	2,488	3/4	1,328	3/4	169	3/4		3/4		3/4		3/4	
9		9	4,781	9	3,623	9	2,463	9	1,304	9	145	9		9		9		9	
1/4		1/4	4,757	1/4	3,599	1/4	2,439	1/4	1,280	1/4	121	1/4		1/4		1/4		1/4	
1/2		1/2	4,733	1/2	3,574	1/2	2,415	1/2	1,256	1/2	97	1/2		1/2		1/2		1/2	
3/4		3/4	4,709	3/4	3,550	3/4	2,391	3/4	1,232	3/4	72	3/4		3/4		3/4		3/4	
10		10	4,685	10	3,526	10	2,367	10	1,208	10	48	10		10		10		10	
1/4		1/4	4,661	1/4	3,502	1/4	2,343	1/4	1,183	1/4	24	1/4		1/4		1/4		1/4	
1/2		1/2	4,637	1/2	3,478	1/2	2,319	1/2	1,159	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,613	3/4	3,454	3/4	2,294	3/4	1,135	3/4		3/4		3/4		3/4		3/4	
11		11	4,589	11	3,430	11	2,270	11	1,111	11		11		11		11		11	
1/4		1/4	4,565	1/4	3,405	1/4	2,246	1/4	1,087	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,541	1/2	3,381	1/2	2,222	1/2	1,063	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,516	3/4	3,357	3/4	2,198	3/4	1,039	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
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" MMC VALVE

STRAPPED: 05/08/2019 CL
CALCULATED: 05/09/2019 CL
PRINTED: 05/10/2019 CL

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019



BARGE "HSM 3044"

STBD SLOP ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-10 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	4,480	0	3,324	0	2,168	0	1,012	0		0		0		0	
1/4		1/4		1/4	4,456	1/4	3,300	1/4	2,144	1/4	988	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,432	1/2	3,276	1/2	2,120	1/2	964	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,408	3/4	3,252	3/4	2,096	3/4	939	3/4		3/4		3/4		3/4	
1		1		1	4,384	1	3,228	1	2,072	1	915	1		1		1		1	
1/4		1/4		1/4	4,360	1/4	3,204	1/4	2,047	1/4	891	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,336	1/2	3,180	1/2	2,023	1/2	867	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,312	3/4	3,155	3/4	1,999	3/4	843	3/4		3/4		3/4		3/4	
2		2		2	4,288	2	3,131	2	1,975	2	819	2		2		2		2	
1/4		1/4		1/4	4,263	1/4	3,107	1/4	1,951	1/4	795	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,239	1/2	3,083	1/2	1,927	1/2	771	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,215	3/4	3,059	3/4	1,903	3/4	747	3/4		3/4		3/4		3/4	
3		3		3	4,191	3	3,035	3	1,879	3	723	3		3		3		3	
1/4		1/4		1/4	4,167	1/4	3,011	1/4	1,855	1/4	699	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,143	1/2	2,987	1/2	1,831	1/2	674	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,119	3/4	2,963	3/4	1,807	3/4	650	3/4		3/4		3/4		3/4	
4		4		4	4,095	4	2,939	4	1,782	4	626	4		4		4		4	
1/4		1/4		1/4	4,071	1/4	2,915	1/4	1,758	1/4	602	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,047	1/2	2,890	1/2	1,734	1/2	578	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,023	3/4	2,866	3/4	1,710	3/4	554	3/4		3/4		3/4		3/4	
5		5	5,148	5	3,999	5	2,842	5	1,686	5	530	5		5		5		5	
1/4		1/4	5,124	1/4	3,974	1/4	2,818	1/4	1,662	1/4	506	1/4		1/4		1/4		1/4	
1/2		1/2	5,100	1/2	3,950	1/2	2,794	1/2	1,638	1/2	482	1/2		1/2		1/2		1/2	
3/4		3/4	5,077	3/4	3,926	3/4	2,770	3/4	1,614	3/4	458	3/4		3/4		3/4		3/4	
6		6	5,053	6	3,902	6	2,746	6	1,590	6	434	6		6		6		6	
1/4		1/4	5,029	1/4	3,878	1/4	2,722	1/4	1,566	1/4	409	1/4		1/4		1/4		1/4	
1/2		1/2	5,005	1/2	3,854	1/2	2,698	1/2	1,542	1/2	385	1/2		1/2		1/2		1/2	
3/4		3/4	4,982	3/4	3,830	3/4	2,674	3/4	1,518	3/4	361	3/4		3/4		3/4		3/4	
7		7	4,958	7	3,806	7	2,650	7	1,493	7	337	7		7		7		7	
1/4		1/4	4,934	1/4	3,782	1/4	2,626	1/4	1,469	1/4	313	1/4		1/4		1/4		1/4	
1/2		1/2	4,911	1/2	3,758	1/2	2,601	1/2	1,445	1/2	289	1/2		1/2		1/2		1/2	
3/4		3/4	4,887	3/4	3,734	3/4	2,577	3/4	1,421	3/4	265	3/4		3/4		3/4		3/4	
8		8	4,863	8	3,709	8	2,553	8	1,397	8	241	8		8		8		8	
1/4		1/4	4,839	1/4	3,685	1/4	2,529	1/4	1,373	1/4	217	1/4		1/4		1/4		1/4	
1/2		1/2	4,816	1/2	3,661	1/2	2,505	1/2	1,349	1/2	193	1/2		1/2		1/2		1/2	
3/4		3/4	4,792	3/4	3,637	3/4	2,481	3/4	1,325	3/4	169	3/4		3/4		3/4		3/4	
9		9	4,768	9	3,613	9	2,457	9	1,301	9	145	9		9		9		9	
1/4		1/4	4,744	1/4	3,589	1/4	2,433	1/4	1,277	1/4	120	1/4		1/4		1/4		1/4	
1/2		1/2	4,721	1/2	3,565	1/2	2,409	1/2	1,253	1/2	96	1/2		1/2		1/2		1/2	
3/4		3/4	4,697	3/4	3,541	3/4	2,385	3/4	1,228	3/4	72	3/4		3/4		3/4		3/4	
10		10	4,673	10	3,517	10	2,361	10	1,204	10	48	10		10		10		10	
1/4		1/4	4,649	1/4	3,493	1/4	2,336	1/4	1,180	1/4	24	1/4		1/4		1/4		1/4	
1/2		1/2	4,625	1/2	3,469	1/2	2,312	1/2	1,156	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,601	3/4	3,445	3/4	2,288	3/4	1,132	3/4		3/4		3/4		3/4		3/4	
11		11	4,577	11	3,420	11	2,264	11	1,108	11		11		11		11		11	
1/4		1/4	4,553	1/4	3,396	1/4	2,240	1/4	1,084	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,528	1/2	3,372	1/2	2,216	1/2	1,060	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,504	3/4	3,348	3/4	2,192	3/4	1,036	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
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" MMC VALVE

STRAPPED: 05/08/2019 CL
CALCULATED: 05/09/2019 CL
PRINTED: 05/10/2019 CL

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CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019