



BARGE "HSM 3037"

ULLAGE TRIM TABLE 8" GAUGE HATCH

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 238'-06"

January 29, 2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HSM 3037"

ULLAGE TRIM TABLE "MMC" GAUGE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 238'-06"

January 28, 2020

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

<http://www.pmacorp.net>



BARGE "HSM 3037"

1 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	0	199,618	0	184,634	0	169,634	0	154,607	0	139,580	0	124,552	0	109,525	0	94,492	
1/4	1/4	1/4	1/4	199,306	1/4	184,322	1/4	169,321	1/4	154,294	1/4	139,267	1/4	124,239	1/4	109,212	1/4	94,179	
1/2	1/2	1/2	1/2	198,994	1/2	184,010	1/2	169,008	1/2	153,981	1/2	138,954	1/2	123,926	1/2	108,899	1/2	93,866	
3/4	3/4	3/4	3/4	198,681	3/4	183,698	3/4	168,695	3/4	153,668	3/4	138,641	3/4	123,613	3/4	108,586	3/4	93,552	
1	1	1	1	198,369	1	183,386	1	168,382	1	153,355	1	138,328	1	123,300	1	108,273	1	93,239	
1/4	1/4	1/4	1/4	198,057	1/4	183,074	1/4	168,069	1/4	153,042	1/4	138,014	1/4	122,987	1/4	107,960	1/4	92,926	
1/2	1/2	1/2	1/2	197,745	1/2	182,761	1/2	167,756	1/2	152,729	1/2	137,701	1/2	122,674	1/2	107,647	1/2	92,613	
3/4	3/4	3/4	3/4	197,433	3/4	182,449	3/4	167,443	3/4	152,416	3/4	137,388	3/4	122,361	3/4	107,333	3/4	92,300	
2	2	2	2	197,121	2	182,137	2	167,130	2	152,103	2	137,075	2	122,048	2	107,020	2	91,986	
1/4	1/4	1/4	1/4	196,808	1/4	181,825	1/4	166,817	1/4	151,789	1/4	136,762	1/4	121,735	1/4	106,707	1/4	91,673	
1/2	1/2	1/2	1/2	196,496	1/2	181,513	1/2	166,504	1/2	151,476	1/2	136,449	1/2	121,422	1/2	106,394	1/2	91,360	
3/4	3/4	3/4	3/4	196,184	3/4	181,201	3/4	166,191	3/4	151,163	3/4	136,136	3/4	121,109	3/4	106,081	3/4	91,047	
3	3	3	3	195,872	3	180,889	3	165,878	3	150,850	3	135,823	3	120,796	3	105,767	3	90,734	
1/4	1/4	1/4	1/4	195,560	1/4	180,576	1/4	165,565	1/4	150,537	1/4	135,510	1/4	120,483	1/4	105,454	1/4	90,420	
1/2	1/2	1/2	1/2	195,248	1/2	180,264	1/2	165,251	1/2	150,224	1/2	135,197	1/2	120,169	1/2	105,141	1/2	90,107	
3/4	3/4	3/4	3/4	194,936	3/4	179,952	3/4	164,938	3/4	149,911	3/4	134,884	3/4	119,856	3/4	104,828	3/4	89,794	
4	4	4	4	194,623	4	179,640	4	164,625	4	149,598	4	134,571	4	119,543	4	104,515	4	89,481	
1/4	1/4	1/4	1/4	194,311	1/4	179,328	1/4	164,312	1/4	149,285	1/4	134,258	1/4	119,230	1/4	104,201	1/4	89,168	
1/2	1/2	1/2	1/2	193,999	1/2	179,016	1/2	163,999	1/2	148,972	1/2	133,945	1/2	118,917	1/2	103,888	1/2	88,854	
3/4	3/4	3/4	3/4	193,687	3/4	178,703	3/4	163,686	3/4	148,659	3/4	133,631	3/4	118,604	3/4	103,575	3/4	88,541	
5	5	5	5	193,375	5	178,391	5	163,373	5	148,346	5	133,318	5	118,291	5	103,262	5	88,228	
1/4	1/4	1/4	1/4	193,063	1/4	178,079	1/4	163,060	1/4	148,033	1/4	133,005	1/4	117,978	1/4	102,949	1/4	87,915	
1/2	1/2	1/2	1/2	192,750	1/2	177,767	1/2	162,747	1/2	147,720	1/2	132,692	1/2	117,665	1/2	102,635	1/2	87,602	
3/4	3/4	3/4	3/4	192,438	3/4	177,455	3/4	162,434	3/4	147,407	3/4	132,379	3/4	117,352	3/4	102,322	3/4	87,288	
6	6	6	6	192,126	6	177,143	6	162,121	6	147,093	6	132,066	6	117,039	6	102,009	6	86,975	
1/4	1/4	1/4	1/4	191,814	1/4	176,830	1/4	161,808	1/4	146,780	1/4	131,753	1/4	116,726	1/4	101,696	1/4	86,662	
1/2	1/2	1/2	1/2	191,502	1/2	176,518	1/2	161,495	1/2	146,467	1/2	131,440	1/2	116,413	1/2	101,383	1/2	86,349	
3/4	3/4	3/4	3/4	191,190	3/4	176,206	3/4	161,182	3/4	146,154	3/4	131,127	3/4	116,100	3/4	101,069	3/4	86,036	
7	7	7	7	190,878	7	175,894	7	160,869	7	145,841	7	130,814	7	115,787	7	100,756	7	85,722	
1/4	1/4	1/4	1/4	190,565	1/4	175,581	1/4	160,555	1/4	145,528	1/4	130,501	1/4	115,473	1/4	100,443	1/4	85,409	
1/2	1/2	1/2	1/2	190,253	1/2	175,269	1/2	160,242	1/2	145,215	1/2	130,188	1/2	115,160	1/2	100,130	1/2	85,096	
3/4	3/4	3/4	3/4	189,941	3/4	174,956	3/4	159,929	3/4	144,902	3/4	129,875	3/4	114,847	3/4	99,817	3/4	84,783	
8	8	8	8	189,629	8	174,644	8	159,616	8	144,589	8	129,562	8	114,534	8	99,503	8	84,470	
1/4	1/4	1/4	1/4	189,317	1/4	174,330	1/4	159,303	1/4	144,276	1/4	129,249	1/4	114,221	1/4	99,190	1/4	84,156	
1/2	1/2	1/2	1/2	189,005	1/2	174,017	1/2	158,990	1/2	143,963	1/2	128,935	1/2	113,908	1/2	98,877	1/2	83,843	
3/4	3/4	3/4	3/4	188,692	3/4	173,704	3/4	158,677	3/4	143,650	3/4	128,622	3/4	113,595	3/4	98,564	3/4	83,530	
9	9	9	9	188,380	9	173,391	9	158,364	9	143,337	9	128,309	9	113,282	9	98,251	9	83,217	
1/4	1/4	1/4	1/4	188,068	1/4	173,078	1/4	158,051	1/4	143,024	1/4	127,996	1/4	112,969	1/4	97,937	1/4	82,904	
1/2	1/2	1/2	1/2	187,756	1/2	172,765	1/2	157,738	1/2	142,710	1/2	127,683	1/2	112,656	1/2	97,624	1/2	82,590	
3/4	3/4	3/4	3/4	187,444	3/4	172,452	3/4	157,425	3/4	142,397	3/4	127,370	3/4	112,343	3/4	97,311	3/4	82,277	
10	10	10	10	187,132	10	172,139	10	157,112	10	142,084	10	127,057	10	112,030	10	96,998	10	81,964	
1/4	1/4	1/4	1/4	186,819	1/4	171,826	1/4	156,799	1/4	141,771	1/4	126,744	1/4	111,717	1/4	96,685	1/4	81,651	
1/2	1/2	1/2	1/2	186,507	1/2	171,513	1/2	156,486	1/2	141,458	1/2	126,431	1/2	111,404	1/2	96,371	1/2	81,337	
3/4	3/4	3/4	3/4	186,195	3/4	171,200	3/4	156,172	3/4	141,145	3/4	126,118	3/4	111,090	3/4	96,058	3/4	81,024	
11	11	11	11	185,883	11	170,887	11	155,859	11	140,832	11	125,805	11	110,777	11	95,745	11	80,711	
1/4	1/4	1/4	1/4	185,571	1/4	170,574	1/4	155,546	1/4	140,519	1/4	125,492	1/4	110,464	1/4	95,432	1/4	80,398	
1/2	1/2	1/2	1/2	185,259	1/2	170,261	1/2	155,233	1/2	140,206	1/2	125,179	1/2	110,151	1/2	95,119	1/2	80,085	
3/4	3/4	3/4	3/4	184,947	3/4	169,948	3/4	154,920	3/4	139,893	3/4	124,866	3/4	109,838	3/4	94,805	3/4	79,771	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE OR 8" HATCH
 GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD
 GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD

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BARGE "HSM 3037"

1 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	79,458	0	64,425	0	49,492	0	34,462	0	19,429	0	5,247	0		0		0		0	
1/4	79,145	1/4	64,113	1/4	49,180	1/4	34,149	1/4	19,115	1/4	4,976					1/4		1/4	
1/2	78,832	1/2	63,801	1/2	48,867	1/2	33,836	1/2	18,802	1/2	4,706	1/2		1/2		1/2		1/2	
3/4	78,519	3/4	63,489	3/4	48,555	3/4	33,522	3/4	18,489	3/4	4,435	3/4		3/4		3/4		3/4	
1	78,205	1	63,177	1	48,243	1	33,209	1	18,176	1	4,164	1		1		1		1	
1/4	77,892	1/4	62,866	1/4	47,929	1/4	32,896	1/4	17,864	1/4	3,897	1/4		1/4		1/4		1/4	
1/2	77,579	1/2	62,555	1/2	47,616	1/2	32,583	1/2	17,551	1/2	3,631	1/2		1/2		1/2		1/2	
3/4	77,266	3/4	62,244	3/4	47,303	3/4	32,270	3/4	17,239	3/4	3,364	3/4		3/4		3/4		3/4	
2	76,953	2	61,933	2	46,990	2	31,956	2	16,927	2	3,097	2		2		2		2	
1/4	76,639	1/4	61,622	1/4	46,677	1/4	31,643	1/4	16,617	1/4	2,835	1/4		1/4		1/4		1/4	
1/2	76,326	1/2	61,312	1/2	46,363	1/2	31,330	1/2	16,308	1/2	2,573	1/2		1/2		1/2		1/2	
3/4	76,013	3/4	61,001	3/4	46,050	3/4	31,017	3/4	15,999	3/4	2,311	3/4		3/4		3/4		3/4	
3	75,700	3	60,690	3	45,737	3	30,704	3	15,689	3	2,049	3		3		3		3	
1/4	75,387	1/4	60,379	1/4	45,424	1/4	30,390	1/4	15,384	1/4	1,810	1/4		1/4		1/4		1/4	
1/2	75,073	1/2	60,068	1/2	45,111	1/2	30,077	1/2	15,078	1/2	1,571	1/2		1/2		1/2		1/2	
3/4	74,760	3/4	59,757	3/4	44,797	3/4	29,764	3/4	14,773	3/4	1,333	3/4		3/4		3/4		3/4	
4	74,447	4	59,446	4	44,484	4	29,451	4	14,468	4	1,094	4		4		4		4	
1/4	74,134	1/4	59,136	1/4	44,171	1/4	29,138	1/4	14,166	1/4	917	1/4		1/4		1/4		1/4	
1/2	73,821	1/2	58,825	1/2	43,858	1/2	28,824	1/2	13,864	1/2	740	1/2		1/2		1/2		1/2	
3/4	73,507	3/4	58,514	3/4	43,545	3/4	28,511	3/4	13,563	3/4	563	3/4		3/4		3/4		3/4	
5	73,194	5	58,203	5	43,231	5	28,198	5	13,261	5	386	5		5		5		5	
1/4	72,881	1/4	57,892	1/4	42,918	1/4	27,885	1/4	12,963	1/4		1/4		1/4		1/4		1/4	
1/2	72,568	1/2	57,581	1/2	42,605	1/2	27,572	1/2	12,665	1/2		1/2		1/2		1/2		1/2	
3/4	72,255	3/4	57,271	3/4	42,292	3/4	27,258	3/4	12,368	3/4		3/4		3/4		3/4		3/4	
6	71,941	6	56,960	6	41,979	6	26,945	6	12,070	6		6		6		6		6	
1/4	71,628	1/4	56,649	1/4	41,665	1/4	26,632	1/4	11,776	1/4		1/4		1/4		1/4		1/4	
1/2	71,315	1/2	56,338	1/2	41,352	1/2	26,319	1/2	11,482	1/2		1/2		1/2		1/2		1/2	
3/4	71,002	3/4	56,027	3/4	41,039	3/4	26,006	3/4	11,188	3/4		3/4		3/4		3/4		3/4	
7	70,689	7	55,716	7	40,726	7	25,692	7	10,894	7		7		7		7		7	
1/4	70,375	1/4	55,406	1/4	40,413	1/4	25,379	1/4	10,604	1/4		1/4		1/4		1/4		1/4	
1/2	70,062	1/2	55,095	1/2	40,099	1/2	25,066	1/2	10,314	1/2		1/2		1/2		1/2		1/2	
3/4	69,749	3/4	54,784	3/4	39,786	3/4	24,753	3/4	10,024	3/4		3/4		3/4		3/4		3/4	
8	69,436	8	54,473	8	39,473	8	24,440	8	9,734	8		8		8		8		8	
1/4	69,123	1/4	54,162	1/4	39,160	1/4	24,126	1/4	9,448	1/4		1/4		1/4		1/4		1/4	
1/2	68,809	1/2	53,851	1/2	38,847	1/2	23,813	1/2	9,162	1/2		1/2		1/2		1/2		1/2	
3/4	68,496	3/4	53,541	3/4	38,533	3/4	23,500	3/4	8,875	3/4		3/4		3/4		3/4		3/4	
9	68,183	9	53,230	9	38,220	9	23,187	9	8,589	9		9		9		9		9	
1/4	67,870	1/4	52,919	1/4	37,907	1/4	22,874	1/4	8,307	1/4		1/4		1/4		1/4		1/4	
1/2	67,556	1/2	52,608	1/2	37,594	1/2	22,560	1/2	8,024	1/2		1/2		1/2		1/2		1/2	
3/4	67,243	3/4	52,297	3/4	37,281	3/4	22,247	3/4	7,742	3/4		3/4		3/4		3/4		3/4	
10	66,930	10	51,986	10	36,967	10	21,934	10	7,460	10		10		10		10		10	
1/4	66,617	1/4	51,674	1/4	36,654	1/4	21,621	1/4	7,181	1/4		1/4		1/4		1/4		1/4	
1/2	66,304	1/2	51,362	1/2	36,341	1/2	21,308	1/2	6,903	1/2		1/2		1/2		1/2		1/2	
3/4	65,990	3/4	51,051	3/4	36,028	3/4	20,994	3/4	6,624	3/4		3/4		3/4		3/4		3/4	
11	65,677	11	50,739	11	35,715	11	20,681	11	6,346	11		11		11		11		11	
1/4	65,364	1/4	50,428	1/4	35,401	1/4	20,368	1/4	6,071	1/4		1/4		1/4		1/4		1/4	
1/2	65,051	1/2	50,116	1/2	35,088	1/2	20,055	1/2	5,796	1/2		1/2		1/2		1/2		1/2	
3/4	64,738	3/4	49,804	3/4	34,775	3/4	19,742	3/4	5,522	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/28/2020 CL
CALCULATED: 01/29/2020 CL
PRINTED: 01/29/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2020

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



BARGE "HSM 3037"

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	0	0	199,761	0	184,774	0	169,770	0	154,739	0	139,708	0	124,678	0	109,647	0	94,611
1/4		1/4		1/4	199,449	1/4	184,462	1/4	169,457	1/4	154,426	1/4	139,395	1/4	124,364	1/4	109,334	1/4	94,297
1/2		1/2		1/2	199,136	1/2	184,149	1/2	169,144	1/2	154,113	1/2	139,082	1/2	124,051	1/2	109,021	1/2	93,984
3/4		3/4		3/4	198,824	3/4	183,837	3/4	168,831	3/4	153,800	3/4	138,769	3/4	123,738	3/4	108,708	3/4	93,671
1	1	1	1	1	198,512	1	183,525	1	168,518	1	153,487	1	138,456	1	123,425	1	108,394	1	93,357
1/4		1/4		1/4	198,200	1/4	183,213	1/4	168,204	1/4	153,174	1/4	138,143	1/4	123,112	1/4	108,081	1/4	93,044
1/2		1/2		1/2	197,887	1/2	182,900	1/2	167,891	1/2	152,860	1/2	137,829	1/2	122,799	1/2	107,768	1/2	92,731
3/4		3/4		3/4	197,575	3/4	182,588	3/4	167,578	3/4	152,547	3/4	137,516	3/4	122,486	3/4	107,455	3/4	92,418
2	2	2	2	2	211,199	2	197,263	2	182,276	2	167,265	2	152,234	2	137,203	2	122,172	2	107,104
1/4		1/4		1/4	211,019	1/4	196,951	1/4	181,964	1/4	166,952	1/4	151,921	1/4	136,890	1/4	121,859	1/4	106,828
1/2		1/2		1/2	210,839	1/2	196,639	1/2	181,651	1/2	166,639	1/2	151,608	1/2	136,577	1/2	121,546	1/2	106,515
3/4		3/4		3/4	210,660	3/4	196,326	3/4	181,339	3/4	166,326	3/4	151,295	3/4	136,264	3/4	121,233	3/4	106,202
3	3	3	3	3	210,480	3	196,014	3	181,027	3	166,012	3	150,982	3	135,951	3	120,920	3	105,888
1/4		1/4		1/4	210,248	1/4	195,702	1/4	180,715	1/4	165,699	1/4	150,668	1/4	135,637	1/4	120,607	1/4	105,575
1/2		1/2		1/2	210,016	1/2	195,390	1/2	180,403	1/2	165,386	1/2	150,355	1/2	135,324	1/2	120,294	1/2	105,262
3/4		3/4		3/4	209,784	3/4	195,077	3/4	180,090	3/4	165,073	3/4	150,042	3/4	135,011	3/4	119,981	3/4	104,949
4	4	4	4	4	209,552	4	194,765	4	179,778	4	164,760	4	149,729	4	134,698	4	119,667	4	104,635
1/4		1/4		1/4	209,272	1/4	194,453	1/4	179,466	1/4	164,447	1/4	149,416	1/4	134,385	1/4	119,354	1/4	104,322
1/2		1/2		1/2	208,992	1/2	194,141	1/2	179,154	1/2	164,134	1/2	149,103	1/2	134,072	1/2	119,041	1/2	104,009
3/4		3/4		3/4	208,711	3/4	193,828	3/4	178,841	3/4	163,820	3/4	148,790	3/4	133,759	3/4	118,728	3/4	103,696
5	5	5	5	5	208,431	5	193,516	5	178,529	5	163,507	5	148,476	5	133,446	5	118,415	5	103,382
1/4		1/4		1/4	208,125	1/4	193,204	1/4	178,217	1/4	163,194	1/4	148,163	1/4	133,132	1/4	118,102	1/4	103,069
1/2		1/2		1/2	207,819	1/2	192,892	1/2	177,905	1/2	162,881	1/2	147,850	1/2	132,819	1/2	117,789	1/2	102,756
3/4		3/4		3/4	207,513	3/4	192,580	3/4	177,592	3/4	162,568	3/4	147,537	3/4	132,506	3/4	117,475	3/4	102,442
6	6	6	6	6	207,207	6	192,267	6	177,280	6	162,255	6	147,224	6	132,193	6	117,162	6	102,129
1/4		1/4		1/4	206,897	1/4	191,955	1/4	176,968	1/4	161,942	1/4	146,911	1/4	131,880	1/4	116,849	1/4	101,816
1/2		1/2		1/2	206,587	1/2	191,643	1/2	176,656	1/2	161,628	1/2	146,598	1/2	131,567	1/2	116,536	1/2	101,503
3/4		3/4		3/4	206,278	3/4	191,331	3/4	176,343	3/4	161,315	3/4	146,284	3/4	131,254	3/4	116,223	3/4	101,189
7	7	7	7	7	205,968	7	191,018	7	176,031	7	161,002	7	145,971	7	130,940	7	115,910	7	100,876
1/4		1/4		1/4	205,658	1/4	190,706	1/4	175,719	1/4	160,689	1/4	145,658	1/4	130,627	1/4	115,597	1/4	100,563
1/2		1/2		1/2	205,348	1/2	190,394	1/2	175,406	1/2	160,376	1/2	145,345	1/2	130,314	1/2	115,283	1/2	100,250
3/4		3/4		3/4	205,037	3/4	190,082	3/4	175,093	3/4	160,063	3/4	145,032	3/4	130,001	3/4	114,970	3/4	99,936
8	8	8	8	8	204,727	8	189,769	8	174,781	8	159,750	8	144,719	8	129,688	8	114,657	8	99,623
1/4		1/4		1/4	204,417	1/4	189,457	1/4	174,467	1/4	159,436	1/4	144,406	1/4	129,375	1/4	114,344	1/4	99,310
1/2		1/2		1/2	204,107	1/2	189,145	1/2	174,154	1/2	159,123	1/2	144,092	1/2	129,062	1/2	114,031	1/2	98,996
3/4		3/4		3/4	203,797	3/4	188,833	3/4	173,841	3/4	158,810	3/4	143,779	3/4	128,748	3/4	113,718	3/4	98,683
9	9	9	9	9	203,486	9	188,521	9	173,528	9	158,497	9	143,466	9	128,435	9	113,405	9	98,370
1/4		1/4		1/4	203,176	1/4	188,208	1/4	173,215	1/4	158,184	1/4	143,153	1/4	128,122	1/4	113,091	1/4	98,057
1/2		1/2		1/2	202,866	1/2	187,896	1/2	172,902	1/2	157,871	1/2	142,840	1/2	127,809	1/2	112,778	1/2	97,743
3/4		3/4		3/4	202,556	3/4	187,584	3/4	172,589	3/4	157,558	3/4	142,527	3/4	127,496	3/4	112,465	3/4	97,430
10	10	10	10	10	202,246	10	187,272	10	172,275	10	157,244	10	142,213	10	127,183	10	112,152	10	97,117
1/4		1/4		1/4	201,936	1/4	186,959	1/4	171,962	1/4	156,931	1/4	141,900	1/4	126,870	1/4	111,839	1/4	96,803
1/2		1/2		1/2	201,626	1/2	186,647	1/2	171,649	1/2	156,618	1/2	141,587	1/2	126,556	1/2	111,526	1/2	96,490
3/4		3/4		3/4	201,316	3/4	186,335	3/4	171,336	3/4	156,305	3/4	141,274	3/4	126,243	3/4	111,213	3/4	96,177
11	11	11	11	11	201,005	11	186,023	11	171,023	11	155,992	11	140,961	11	125,930	11	110,899	11	95,864
1/4		1/4		1/4	200,694	1/4	185,710	1/4	170,710	1/4	155,679	1/4	140,648	1/4	125,617	1/4	110,586	1/4	95,550
1/2		1/2		1/2	200,383	1/2	185,398	1/2	170,397	1/2	155,366	1/2	140,335	1/2	125,304	1/2	110,273	1/2	95,237
3/4		3/4		3/4	200,072	3/4	185,086	3/4	170,083	3/4	155,052	3/4	140,021	3/4	124,991	3/4	109,960	3/4	94,924

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE OR 8" HATCH
 GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD
 GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "HSM 3037"

**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	79,573	0	64,536	0	49,506	0	34,470	0	19,433	0	5,249	0		0		0		0	
1/4	79,260	1/4	64,223	1/4	49,193	1/4	34,156	1/4	19,120	1/4	4,978	1/4		1/4		1/4		1/4	
1/2	78,947	1/2	63,910	1/2	48,880	1/2	33,843	1/2	18,806	1/2	4,707	1/2		1/2		1/2		1/2	
3/4	78,634	3/4	63,596	3/4	48,567	3/4	33,530	3/4	18,493	3/4	4,436	3/4		3/4		3/4		3/4	
1	78,320	1	63,283	1	48,253	1	33,217	1	18,180	1	4,165	1		1		1		1	
1/4	78,007	1/4	62,970	1/4	47,940	1/4	32,903	1/4	17,868	1/4	3,898	1/4		1/4		1/4		1/4	
1/2	77,694	1/2	62,657	1/2	47,627	1/2	32,590	1/2	17,555	1/2	3,632	1/2		1/2		1/2		1/2	
3/4	77,380	3/4	62,343	3/4	47,314	3/4	32,277	3/4	17,243	3/4	3,365	3/4		3/4		3/4		3/4	
2	77,067	2	62,030	2	47,000	2	31,964	2	16,931	2	3,098	2		2		2		2	
1/4	76,754	1/4	61,717	1/4	46,687	1/4	31,650	1/4	16,621	1/4	2,836	1/4		1/4		1/4		1/4	
1/2	76,441	1/2	61,404	1/2	46,374	1/2	31,337	1/2	16,312	1/2	2,574	1/2		1/2		1/2		1/2	
3/4	76,127	3/4	61,091	3/4	46,061	3/4	31,024	3/4	16,002	3/4	2,312	3/4		3/4		3/4		3/4	
3	75,814	3	60,778	3	45,747	3	30,711	3	15,693	3	2,050	3		3		3		3	
1/4	75,501	1/4	60,465	1/4	45,434	1/4	30,397	1/4	15,388	1/4	1,811	1/4		1/4		1/4		1/4	
1/2	75,188	1/2	60,152	1/2	45,121	1/2	30,084	1/2	15,082	1/2	1,572	1/2		1/2		1/2		1/2	
3/4	74,874	3/4	59,839	3/4	44,807	3/4	29,771	3/4	14,776	3/4	1,333	3/4		3/4		3/4		3/4	
4	74,561	4	59,526	4	44,494	4	29,457	4	14,471	4	1,094	4		4		4		4	
1/4	74,248	1/4	59,213	1/4	44,181	1/4	29,144	1/4	14,169	1/4	917	1/4		1/4		1/4		1/4	
1/2	73,934	1/2	58,900	1/2	43,868	1/2	28,831	1/2	13,867	1/2	740	1/2		1/2		1/2		1/2	
3/4	73,621	3/4	58,586	3/4	43,554	3/4	28,518	3/4	13,566	3/4	563	3/4		3/4		3/4		3/4	
5	73,308	5	58,273	5	43,241	5	28,204	5	13,264	5	386	5		5		5		5	
1/4	72,995	1/4	57,960	1/4	42,928	1/4	27,891	1/4	12,966	1/4		1/4		1/4		1/4		1/4	
1/2	72,681	1/2	57,647	1/2	42,615	1/2	27,578	1/2	12,668	1/2		1/2		1/2		1/2		1/2	
3/4	72,368	3/4	57,334	3/4	42,301	3/4	27,265	3/4	12,371	3/4		3/4		3/4		3/4		3/4	
6	72,055	6	57,021	6	41,988	6	26,951	6	12,073	6		6		6		6		6	
1/4	71,741	1/4	56,708	1/4	41,675	1/4	26,638	1/4	11,779	1/4		1/4		1/4		1/4		1/4	
1/2	71,428	1/2	56,395	1/2	41,362	1/2	26,325	1/2	11,485	1/2		1/2		1/2		1/2		1/2	
3/4	71,115	3/4	56,082	3/4	41,048	3/4	26,012	3/4	11,191	3/4		3/4		3/4		3/4		3/4	
7	70,802	7	55,769	7	40,735	7	25,698	7	10,897	7		7		7		7		7	
1/4	70,488	1/4	55,456	1/4	40,422	1/4	25,385	1/4	10,607	1/4		1/4		1/4		1/4		1/4	
1/2	70,175	1/2	55,143	1/2	40,108	1/2	25,072	1/2	10,317	1/2		1/2		1/2		1/2		1/2	
3/4	69,862	3/4	54,830	3/4	39,795	3/4	24,758	3/4	10,026	3/4		3/4		3/4		3/4		3/4	
8	69,549	8	54,517	8	39,482	8	24,445	8	9,736	8		8		8		8		8	
1/4	69,235	1/4	54,204	1/4	39,169	1/4	24,132	1/4	9,450	1/4		1/4		1/4		1/4		1/4	
1/2	68,922	1/2	53,891	1/2	38,855	1/2	23,819	1/2	9,164	1/2		1/2		1/2		1/2		1/2	
3/4	68,609	3/4	53,578	3/4	38,542	3/4	23,505	3/4	8,877	3/4		3/4		3/4		3/4		3/4	
9	68,295	9	53,265	9	38,229	9	23,192	9	8,591	9		9		9		9		9	
1/4	67,982	1/4	52,952	1/4	37,916	1/4	22,879	1/4	8,309	1/4		1/4		1/4		1/4		1/4	
1/2	67,669	1/2	52,639	1/2	37,602	1/2	22,566	1/2	8,026	1/2		1/2		1/2		1/2		1/2	
3/4	67,356	3/4	52,325	3/4	37,289	3/4	22,252	3/4	7,744	3/4		3/4		3/4		3/4		3/4	
10	67,042	10	52,012	10	36,976	10	21,939	10	7,462	10		10		10		10		10	
1/4	66,729	1/4	51,699	1/4	36,663	1/4	21,626	1/4	7,183	1/4		1/4		1/4		1/4		1/4	
1/2	66,416	1/2	51,386	1/2	36,349	1/2	21,313	1/2	6,904	1/2		1/2		1/2		1/2		1/2	
3/4	66,103	3/4	51,073	3/4	36,036	3/4	20,999	3/4	6,626	3/4		3/4		3/4		3/4		3/4	
11	65,789	11	50,759	11	35,723	11	20,686	11	6,347	11		11		11		11		11	
1/4	65,476	1/4	50,446	1/4	35,409	1/4	20,373	1/4	6,073	1/4		1/4		1/4		1/4		1/4	
1/2	65,163	1/2	50,133	1/2	35,096	1/2	20,059	1/2	5,798	1/2		1/2		1/2		1/2		1/2	
3/4	64,849	3/4	49,820	3/4	34,783	3/4	19,746	3/4	5,523	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/28/2020 CL
CALCULATED: 01/29/2020 CL
PRINTED: 01/29/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "HSM 3037"

2 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	0	0	201,721	0	186,695	0	171,650	0	156,572	0	141,495	0	126,418	0	111,340	0	96,256
1/4		1/4		1/4	201,408	1/4	186,382	1/4	171,336	1/4	156,258	1/4	141,181	1/4	126,104	1/4	111,026	1/4	95,942
1/2		1/2		1/2	201,095	1/2	186,069	1/2	171,022	1/2	155,944	1/2	140,867	1/2	125,790	1/2	110,712	1/2	95,628
3/4		3/4		3/4	200,782	3/4	185,756	3/4	170,707	3/4	155,630	3/4	140,553	3/4	125,475	3/4	110,398	3/4	95,314
1	1	1	1	1	200,469	1	185,443	1	170,393	1	155,316	1	140,239	1	125,161	1	110,084	1	94,999
1/4		1/4		1/4	200,156	1/4	185,130	1/4	170,079	1/4	155,002	1/4	139,925	1/4	124,847	1/4	109,770	1/4	94,685
1/2		1/2		1/2	199,843	1/2	184,817	1/2	169,765	1/2	154,688	1/2	139,610	1/2	124,533	1/2	109,456	1/2	94,371
3/4		3/4		3/4	199,530	3/4	184,504	3/4	169,451	3/4	154,374	3/4	139,296	3/4	124,219	3/4	109,141	3/4	94,057
2	2	2	2	2	199,217	2	184,191	2	169,137	2	154,060	2	138,982	2	123,905	2	108,827	2	93,742
1/4		1/4		1/4	198,904	1/4	183,878	1/4	168,823	1/4	153,745	1/4	138,668	1/4	123,591	1/4	108,513	1/4	93,428
1/2		1/2		1/2	198,591	1/2	183,565	1/2	168,509	1/2	153,431	1/2	138,354	1/2	123,277	1/2	108,199	1/2	93,114
3/4		3/4		3/4	198,278	3/4	183,252	3/4	168,195	3/4	153,117	3/4	138,040	3/4	122,963	3/4	107,884	3/4	92,799
3	3	3	3	3	197,965	3	182,939	3	167,880	3	152,803	3	137,726	3	122,648	3	107,570	3	92,485
1/4		1/4		1/4	197,652	1/4	182,626	1/4	167,566	1/4	152,489	1/4	137,412	1/4	122,334	1/4	107,256	1/4	92,171
1/2		1/2		1/2	197,339	1/2	182,313	1/2	167,252	1/2	152,175	1/2	137,098	1/2	122,020	1/2	106,942	1/2	91,857
3/4		3/4		3/4	197,026	3/4	182,000	3/4	166,938	3/4	151,861	3/4	136,783	3/4	121,706	3/4	106,627	3/4	91,542
4	4	4	4	4	196,713	4	181,686	4	166,624	4	151,547	4	136,469	4	121,392	4	106,313	4	91,228
1/4		1/4		1/4	196,400	1/4	181,373	1/4	166,310	1/4	151,233	1/4	136,155	1/4	121,078	1/4	105,999	1/4	90,914
1/2		1/2		1/2	196,087	1/2	181,060	1/2	165,996	1/2	150,918	1/2	135,841	1/2	120,764	1/2	105,685	1/2	90,600
3/4		3/4		3/4	195,774	3/4	180,747	3/4	165,682	3/4	150,604	3/4	135,527	3/4	120,450	3/4	105,370	3/4	90,285
5	5	5	5	5	195,460	5	180,434	5	165,368	5	150,290	5	135,213	5	120,136	5	105,056	5	89,971
1/4		1/4		1/4	195,147	1/4	180,121	1/4	165,053	1/4	149,976	1/4	134,899	1/4	119,821	1/4	104,742	1/4	89,657
1/2		1/2		1/2	194,834	1/2	179,808	1/2	164,739	1/2	149,662	1/2	134,585	1/2	119,507	1/2	104,427	1/2	89,343
3/4		3/4		3/4	194,521	3/4	179,495	3/4	164,425	3/4	149,348	3/4	134,271	3/4	119,193	3/4	104,113	3/4	89,028
6	6	6	6	6	194,208	6	179,182	6	164,111	6	149,034	6	133,956	6	118,879	6	103,799	6	88,714
1/4		1/4		1/4	193,895	1/4	178,869	1/4	163,797	1/4	148,720	1/4	133,642	1/4	118,565	1/4	103,485	1/4	88,400
1/2		1/2		1/2	193,582	1/2	178,556	1/2	163,483	1/2	148,406	1/2	133,328	1/2	118,251	1/2	103,170	1/2	88,085
3/4		3/4		3/4	193,269	3/4	178,243	3/4	163,169	3/4	148,091	3/4	133,014	3/4	117,937	3/4	102,856	3/4	87,771
7	7	7	7	7	192,956	7	177,930	7	162,855	7	147,777	7	132,700	7	117,623	7	102,542	7	87,457
1/4		1/4		1/4	192,643	1/4	177,616	1/4	162,541	1/4	147,463	1/4	132,386	1/4	117,309	1/4	102,228	1/4	87,143
1/2		1/2		1/2	192,330	1/2	177,303	1/2	162,226	1/2	147,149	1/2	132,072	1/2	116,994	1/2	101,913	1/2	86,828
3/4		3/4		3/4	192,017	3/4	176,989	3/4	161,912	3/4	146,835	3/4	131,758	3/4	116,680	3/4	101,599	3/4	86,514
8	8	8	8	8	191,704	8	176,676	8	161,598	8	146,521	8	131,444	8	116,366	8	101,285	8	86,200
1/4		1/4		1/4	191,391	1/4	176,362	1/4	161,284	1/4	146,207	1/4	131,129	1/4	116,052	1/4	100,970	1/4	85,886
1/2		1/2		1/2	191,078	1/2	176,047	1/2	160,970	1/2	145,893	1/2	130,815	1/2	115,738	1/2	100,656	1/2	85,571
3/4		3/4		3/4	190,765	3/4	175,733	3/4	160,656	3/4	145,579	3/4	130,501	3/4	115,424	3/4	100,342	3/4	85,257
9	9	9	9	9	190,452	9	175,419	9	160,342	9	145,264	9	130,187	9	115,110	9	100,028	9	84,943
1/4		1/4		1/4	190,139	1/4	175,105	1/4	160,028	1/4	144,950	1/4	129,873	1/4	114,796	1/4	99,713	1/4	84,628
1/2		1/2		1/2	189,826	1/2	174,791	1/2	159,714	1/2	144,636	1/2	129,559	1/2	114,482	1/2	99,399	1/2	84,314
3/4		3/4		3/4	189,513	3/4	174,477	3/4	159,399	3/4	144,322	3/4	129,245	3/4	114,167	3/4	99,085	3/4	84,000
10	10	10	10	10	189,200	10	174,163	10	159,085	10	144,008	10	128,931	10	113,853	10	98,771	10	83,686
1/4		1/4		1/4	188,887	1/4	173,849	1/4	158,771	1/4	143,694	1/4	128,617	1/4	113,539	1/4	98,456	1/4	83,371
1/2		1/2		1/2	188,573	1/2	173,534	1/2	158,457	1/2	143,380	1/2	128,302	1/2	113,225	1/2	98,142	1/2	83,057
3/4		3/4		3/4	188,260	3/4	173,220	3/4	158,143	3/4	143,066	3/4	127,988	3/4	112,911	3/4	97,828	3/4	82,743
11	11	11	11	11	187,947	11	172,906	11	157,829	11	142,752	11	127,674	11	112,597	11	97,514	11	82,429
1/4		1/4		1/4	187,634	1/4	172,592	1/4	157,515	1/4	142,437	1/4	127,360	1/4	112,283	1/4	97,199	1/4	82,114
1/2		1/2		1/2	187,321	1/2	172,278	1/2	157,201	1/2	142,123	1/2	127,046	1/2	111,969	1/2	96,885	1/2	81,800
3/4		3/4		3/4	187,008	3/4	171,964	3/4	156,887	3/4	141,809	3/4	126,732	3/4	111,655	3/4	96,571	3/4	81,486

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE OR 8" HATCH
 GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD
 GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 41'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "HSM 3037"

2 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	81,172	0	66,087	0	51,544	0	37,060	0	22,001	0	6,917	0		0		0		0	
1/4	80,857	1/4	65,778	1/4	51,241	1/4	36,752	1/4	21,687	1/4	6,603	1/4		1/4		1/4		1/4	
1/2	80,543	1/2	65,470	1/2	50,939	1/2	36,443	1/2	21,373	1/2	6,288	1/2		1/2		1/2		1/2	
3/4	80,229	3/4	65,161	3/4	50,637	3/4	36,135	3/4	21,059	3/4	5,974	3/4		3/4		3/4		3/4	
1	79,914	1	64,853	1	50,335	1	35,826	1	20,744	1	5,660	1		1		1		1	
1/4	79,600	1/4	64,551	1/4	50,033	1/4	35,512	1/4	20,430	1/4	5,346	1/4		1/4		1/4		1/4	
1/2	79,286	1/2	64,248	1/2	49,732	1/2	35,198	1/2	20,116	1/2	5,032	1/2		1/2		1/2		1/2	
3/4	78,972	3/4	63,946	3/4	49,430	3/4	34,884	3/4	19,802	3/4	4,718	3/4		3/4		3/4		3/4	
2	78,657	2	63,643	2	49,128	2	34,569	2	19,487	2	4,404	2		2		2		2	
1/4	78,343	1/4	63,341	1/4	48,826	1/4	34,255	1/4	19,173	1/4	4,091	1/4		1/4		1/4		1/4	
1/2	78,029	1/2	63,038	1/2	48,525	1/2	33,941	1/2	18,859	1/2	3,777	1/2		1/2		1/2		1/2	
3/4	77,715	3/4	62,736	3/4	48,223	3/4	33,627	3/4	18,545	3/4	3,464	3/4		3/4		3/4		3/4	
3	77,400	3	62,433	3	47,921	3	33,312	3	18,230	3	3,151	3		3		3		3	
1/4	77,086	1/4	62,131	1/4	47,620	1/4	32,998	1/4	17,916	1/4	2,857	1/4		1/4		1/4		1/4	
1/2	76,772	1/2	61,828	1/2	47,318	1/2	32,684	1/2	17,602	1/2	2,563	1/2		1/2		1/2		1/2	
3/4	76,457	3/4	61,526	3/4	47,017	3/4	32,370	3/4	17,287	3/4	2,269	3/4		3/4		3/4		3/4	
4	76,143	4	61,223	4	46,715	4	32,055	4	16,973	4	1,976	4		4		4		4	
1/4	75,829	1/4	60,921	1/4	46,414	1/4	31,741	1/4	16,659	1/4	1,740	1/4		1/4		1/4		1/4	
1/2	75,515	1/2	60,618	1/2	46,112	1/2	31,427	1/2	16,345	1/2	1,504	1/2		1/2		1/2		1/2	
3/4	75,200	3/4	60,316	3/4	45,810	3/4	31,113	3/4	16,030	3/4	1,269	3/4		3/4		3/4		3/4	
5	74,886	5	60,013	5	45,509	5	30,798	5	15,716	5	1,033	5		5		5		5	
1/4	74,572	1/4	59,711	1/4	45,207	1/4	30,484	1/4	15,402	1/4		1/4		1/4		1/4		1/4	
1/2	74,258	1/2	59,408	1/2	44,906	1/2	30,170	1/2	15,088	1/2		1/2		1/2		1/2		1/2	
3/4	73,943	3/4	59,106	3/4	44,604	3/4	29,856	3/4	14,773	3/4		3/4		3/4		3/4		3/4	
6	73,629	6	58,803	6	44,303	6	29,542	6	14,459	6		6		6		6		6	
1/4	73,315	1/4	58,501	1/4	44,001	1/4	29,228	1/4	14,145	1/4		1/4		1/4		1/4		1/4	
1/2	73,001	1/2	58,198	1/2	43,700	1/2	28,913	1/2	13,831	1/2		1/2		1/2		1/2		1/2	
3/4	72,686	3/4	57,896	3/4	43,398	3/4	28,599	3/4	13,516	3/4		3/4		3/4		3/4		3/4	
7	72,372	7	57,593	7	43,097	7	28,285	7	13,202	7		7		7		7		7	
1/4	72,058	1/4	57,291	1/4	42,795	1/4	27,971	1/4	12,888	1/4		1/4		1/4		1/4		1/4	
1/2	71,743	1/2	56,988	1/2	42,493	1/2	27,657	1/2	12,574	1/2		1/2		1/2		1/2		1/2	
3/4	71,429	3/4	56,686	3/4	42,192	3/4	27,343	3/4	12,259	3/4		3/4		3/4		3/4		3/4	
8	71,115	8	56,383	8	41,890	8	27,029	8	11,945	8		8		8		8		8	
1/4	70,801	1/4	56,081	1/4	41,589	1/4	26,715	1/4	11,631	1/4		1/4		1/4		1/4		1/4	
1/2	70,486	1/2	55,778	1/2	41,287	1/2	26,401	1/2	11,317	1/2		1/2		1/2		1/2		1/2	
3/4	70,172	3/4	55,476	3/4	40,986	3/4	26,087	3/4	11,002	3/4		3/4		3/4		3/4		3/4	
9	69,858	9	55,173	9	40,684	9	25,772	9	10,688	9		9		9		9		9	
1/4	69,544	1/4	54,871	1/4	40,383	1/4	25,458	1/4	10,374	1/4		1/4		1/4		1/4		1/4	
1/2	69,229	1/2	54,568	1/2	40,081	1/2	25,144	1/2	10,059	1/2		1/2		1/2		1/2		1/2	
3/4	68,915	3/4	54,266	3/4	39,779	3/4	24,830	3/4	9,745	3/4		3/4		3/4		3/4		3/4	
10	68,601	10	53,964	10	39,478	10	24,515	10	9,431	10		10		10		10		10	
1/4	68,286	1/4	53,661	1/4	39,176	1/4	24,201	1/4	9,117	1/4		1/4		1/4		1/4		1/4	
1/2	67,972	1/2	53,359	1/2	38,874	1/2	23,887	1/2	8,802	1/2		1/2		1/2		1/2		1/2	
3/4	67,658	3/4	53,056	3/4	38,572	3/4	23,573	3/4	8,488	3/4		3/4		3/4		3/4		3/4	
11	67,344	11	52,754	11	38,270	11	23,258	11	8,174	11		11		11		11		11	
1/4	67,029	1/4	52,451	1/4	37,967	1/4	22,944	1/4	7,860	1/4		1/4		1/4		1/4		1/4	
1/2	66,715	1/2	52,149	1/2	37,665	1/2	22,630	1/2	7,545	1/2		1/2		1/2		1/2		1/2	
3/4	66,401	3/4	51,846	3/4	37,362	3/4	22,316	3/4	7,231	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/28/2020 CL
CALCULATED: 01/29/2020 CL
PRINTED: 01/29/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 3037"

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	202,854	0	187,828	0	172,782	0	157,705	0	142,628	0	127,550	0	112,473	0	97,389	0	97,389
1/4	1/4	1/4	202,541	1/4	187,515	1/4	172,468	1/4	157,391	1/4	142,314	1/4	127,236	1/4	112,159	1/4	97,075	1/4	97,075
1/2	1/2	1/2	202,228	1/2	187,202	1/2	172,154	1/2	157,077	1/2	141,999	1/2	126,922	1/2	111,845	1/2	96,760	1/2	96,760
3/4	3/4	3/4	201,915	3/4	186,889	3/4	171,840	3/4	156,763	3/4	141,685	3/4	126,608	3/4	111,531	3/4	96,446	3/4	96,446
1	1	1	201,602	1	186,576	1	171,526	1	156,449	1	141,371	1	126,294	1	111,217	1	96,132	1	96,132
1/4	1/4	1/4	201,289	1/4	186,263	1/4	171,212	1/4	156,134	1/4	141,057	1/4	125,980	1/4	110,902	1/4	95,818	1/4	95,818
1/2	1/2	1/2	200,976	1/2	185,950	1/2	170,898	1/2	155,820	1/2	140,743	1/2	125,666	1/2	110,588	1/2	95,503	1/2	95,503
3/4	3/4	3/4	200,663	3/4	185,636	3/4	170,584	3/4	155,506	3/4	140,429	3/4	125,352	3/4	110,274	3/4	95,189	3/4	95,189
2	2	2	214,286	2	200,350	2	185,323	2	170,270	2	155,192	2	140,115	2	125,037	2	109,960	2	94,875
1/4	1/4	1/4	214,106	1/4	200,037	1/4	185,010	1/4	169,955	1/4	154,878	1/4	139,801	1/4	124,723	1/4	109,645	1/4	94,561
1/2	1/2	1/2	213,927	1/2	199,724	1/2	184,697	1/2	169,641	1/2	154,564	1/2	139,487	1/2	124,409	1/2	109,331	1/2	94,246
3/4	3/4	3/4	213,748	3/4	199,410	3/4	184,384	3/4	169,327	3/4	154,250	3/4	139,172	3/4	124,095	3/4	109,017	3/4	93,932
3	3	3	213,569	3	199,097	3	184,071	3	169,013	3	153,936	3	138,858	3	123,781	3	108,703	3	93,618
1/4	1/4	1/4	213,337	1/4	198,784	1/4	183,758	1/4	168,699	1/4	153,622	1/4	138,544	1/4	123,467	1/4	108,388	1/4	93,303
1/2	1/2	1/2	213,106	1/2	198,471	1/2	183,445	1/2	168,385	1/2	153,307	1/2	138,230	1/2	123,153	1/2	108,074	1/2	92,989
3/4	3/4	3/4	212,874	3/4	198,158	3/4	183,132	3/4	168,071	3/4	152,993	3/4	137,916	3/4	122,839	3/4	107,760	3/4	92,675
4	4	4	212,643	4	197,845	4	182,819	4	167,757	4	152,679	4	137,602	4	122,525	4	107,446	4	92,361
1/4	1/4	1/4	212,363	1/4	197,532	1/4	182,506	1/4	167,443	1/4	152,365	1/4	137,288	1/4	122,210	1/4	107,131	1/4	92,046
1/2	1/2	1/2	212,083	1/2	197,219	1/2	182,193	1/2	167,128	1/2	152,051	1/2	136,974	1/2	121,896	1/2	106,817	1/2	91,732
3/4	3/4	3/4	211,802	3/4	196,906	3/4	181,880	3/4	166,814	3/4	151,737	3/4	136,660	3/4	121,582	3/4	106,503	3/4	91,418
5	5	5	211,522	5	196,593	5	181,567	5	166,500	5	151,423	5	136,345	5	121,268	5	106,189	5	91,104
1/4	1/4	1/4	211,216	1/4	196,280	1/4	181,254	1/4	166,186	1/4	151,109	1/4	136,031	1/4	120,954	1/4	105,874	1/4	90,789
1/2	1/2	1/2	210,911	1/2	195,967	1/2	180,941	1/2	165,872	1/2	150,795	1/2	135,717	1/2	120,640	1/2	105,560	1/2	90,475
3/4	3/4	3/4	210,605	3/4	195,654	3/4	180,628	3/4	165,558	3/4	150,480	3/4	135,403	3/4	120,326	3/4	105,246	3/4	90,161
6	6	6	210,299	6	195,341	6	180,315	6	165,244	6	150,166	6	135,089	6	120,012	6	104,931	6	89,847
1/4	1/4	1/4	209,989	1/4	195,028	1/4	180,002	1/4	164,930	1/4	149,852	1/4	134,775	1/4	119,698	1/4	104,617	1/4	89,532
1/2	1/2	1/2	209,680	1/2	194,715	1/2	179,689	1/2	164,615	1/2	149,538	1/2	134,461	1/2	119,383	1/2	104,303	1/2	89,218
3/4	3/4	3/4	209,370	3/4	194,402	3/4	179,376	3/4	164,301	3/4	149,224	3/4	134,147	3/4	119,069	3/4	103,989	3/4	88,904
7	7	7	209,060	7	194,089	7	179,062	7	163,987	7	148,910	7	133,833	7	118,755	7	103,674	7	88,589
1/4	1/4	1/4	208,750	1/4	193,776	1/4	178,749	1/4	163,673	1/4	148,596	1/4	133,518	1/4	118,441	1/4	103,360	1/4	88,275
1/2	1/2	1/2	208,440	1/2	193,463	1/2	178,435	1/2	163,359	1/2	148,282	1/2	133,204	1/2	118,127	1/2	103,046	1/2	87,961
3/4	3/4	3/4	208,130	3/4	193,150	3/4	178,122	3/4	163,045	3/4	147,968	3/4	132,890	3/4	117,813	3/4	102,732	3/4	87,647
8	8	8	207,820	8	192,837	8	177,808	8	162,731	8	147,653	8	132,576	8	117,499	8	102,417	8	87,332
1/4	1/4	1/4	207,510	1/4	192,523	1/4	177,494	1/4	162,417	1/4	147,339	1/4	132,262	1/4	117,185	1/4	102,103	1/4	87,018
1/2	1/2	1/2	207,200	1/2	192,210	1/2	177,180	1/2	162,103	1/2	147,025	1/2	131,948	1/2	116,871	1/2	101,789	1/2	86,704
3/4	3/4	3/4	206,890	3/4	191,897	3/4	176,866	3/4	161,788	3/4	146,711	3/4	131,634	3/4	116,556	3/4	101,474	3/4	86,390
9	9	9	206,580	9	191,584	9	176,552	9	161,474	9	146,397	9	131,320	9	116,242	9	101,160	9	86,075
1/4	1/4	1/4	206,270	1/4	191,271	1/4	176,238	1/4	161,160	1/4	146,083	1/4	131,006	1/4	115,928	1/4	100,846	1/4	85,761
1/2	1/2	1/2	205,960	1/2	190,958	1/2	175,924	1/2	160,846	1/2	145,769	1/2	130,691	1/2	115,614	1/2	100,532	1/2	85,447
3/4	3/4	3/4	205,650	3/4	190,645	3/4	175,609	3/4	160,532	3/4	145,455	3/4	130,377	3/4	115,300	3/4	100,217	3/4	85,132
10	10	10	205,340	10	190,332	10	175,295	10	160,218	10	145,141	10	130,063	10	114,986	10	99,903	10	84,818
1/4	1/4	1/4	205,030	1/4	190,019	1/4	174,981	1/4	159,904	1/4	144,826	1/4	129,749	1/4	114,672	1/4	99,589	1/4	84,504
1/2	1/2	1/2	204,720	1/2	189,706	1/2	174,667	1/2	159,590	1/2	144,512	1/2	129,435	1/2	114,358	1/2	99,275	1/2	84,190
3/4	3/4	3/4	204,410	3/4	189,393	3/4	174,353	3/4	159,276	3/4	144,198	3/4	129,121	3/4	114,044	3/4	98,960	3/4	83,875
11	11	11	204,100	11	189,080	11	174,039	11	158,961	11	143,884	11	128,807	11	113,729	11	98,646	11	83,561
1/4	1/4	1/4	203,788	1/4	188,767	1/4	173,725	1/4	158,647	1/4	143,570	1/4	128,493	1/4	113,415	1/4	98,332	1/4	83,247
1/2	1/2	1/2	203,477	1/2	188,454	1/2	173,411	1/2	158,333	1/2	143,256	1/2	128,179	1/2	113,101	1/2	98,018	1/2	82,933
3/4	3/4	3/4	203,165	3/4	188,141	3/4	173,097	3/4	158,019	3/4	142,942	3/4	127,864	3/4	112,787	3/4	97,703	3/4	82,618

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE OR 8" HATCH
 GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD
 GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 41'-09" FORWARD OF AFT BULKHEAD

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



BARGE "HSM 3037"

**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	82,304	0	67,219	0	52,134	0	37,085	0	22,002	0	6,917	0		0		0		0	
1/4	81,990	1/4	66,905	1/4	51,820	1/4	36,770	1/4	21,688	1/4	6,603	1/4		1/4		1/4		1/4	
1/2	81,676	1/2	66,591	1/2	51,506	1/2	36,456	1/2	21,374	1/2	6,289	1/2		1/2		1/2		1/2	
3/4	81,361	3/4	66,276	3/4	51,192	3/4	36,142	3/4	21,059	3/4	5,975	3/4		3/4		3/4		3/4	
1	81,047	1	65,962	1	50,879	1	35,828	1	20,745	1	5,660	1		1		1		1	
1/4	80,733	1/4	65,648	1/4	50,565	1/4	35,513	1/4	20,431	1/4	5,346	1/4		1/4		1/4		1/4	
1/2	80,418	1/2	65,334	1/2	50,251	1/2	35,199	1/2	20,117	1/2	5,032	1/2		1/2		1/2		1/2	
3/4	80,104	3/4	65,019	3/4	49,938	3/4	34,885	3/4	19,802	3/4	4,718	3/4		3/4		3/4		3/4	
2	79,790	2	64,705	2	49,624	2	34,571	2	19,488	2	4,404	2		2		2		2	
1/4	79,476	1/4	64,391	1/4	49,311	1/4	34,256	1/4	19,174	1/4	4,091	1/4		1/4		1/4		1/4	
1/2	79,161	1/2	64,076	1/2	48,997	1/2	33,942	1/2	18,859	1/2	3,778	1/2		1/2		1/2		1/2	
3/4	78,847	3/4	63,762	3/4	48,684	3/4	33,628	3/4	18,545	3/4	3,464	3/4		3/4		3/4		3/4	
3	78,533	3	63,448	3	48,370	3	33,313	3	18,231	3	3,151	3		3		3		3	
1/4	78,219	1/4	63,134	1/4	48,057	1/4	32,999	1/4	17,917	1/4	2,857	1/4		1/4		1/4		1/4	
1/2	77,904	1/2	62,819	1/2	47,744	1/2	32,685	1/2	17,602	1/2	2,563	1/2		1/2		1/2		1/2	
3/4	77,590	3/4	62,505	3/4	47,430	3/4	32,371	3/4	17,288	3/4	2,270	3/4		3/4		3/4		3/4	
4	77,276	4	62,191	4	47,117	4	32,056	4	16,974	4	1,976	4		4		4		4	
1/4	76,961	1/4	61,877	1/4	46,804	1/4	31,742	1/4	16,660	1/4	1,740	1/4		1/4		1/4		1/4	
1/2	76,647	1/2	61,562	1/2	46,490	1/2	31,428	1/2	16,345	1/2	1,504	1/2		1/2		1/2		1/2	
3/4	76,333	3/4	61,248	3/4	46,177	3/4	31,114	3/4	16,031	3/4	1,269	3/4		3/4		3/4		3/4	
5	76,019	5	60,934	5	45,864	5	30,799	5	15,717	5	1,033	5		5		5		5	
1/4	75,704	1/4	60,619	1/4	45,550	1/4	30,485	1/4	15,402	1/4		1/4		1/4		1/4		1/4	
1/2	75,390	1/2	60,305	1/2	45,237	1/2	30,171	1/2	15,088	1/2		1/2		1/2		1/2		1/2	
3/4	75,076	3/4	59,991	3/4	44,924	3/4	29,857	3/4	14,774	3/4		3/4		3/4		3/4		3/4	
6	74,762	6	59,677	6	44,610	6	29,543	6	14,460	6		6		6		6		6	
1/4	74,447	1/4	59,362	1/4	44,297	1/4	29,228	1/4	14,145	1/4		1/4		1/4		1/4		1/4	
1/2	74,133	1/2	59,048	1/2	43,984	1/2	28,914	1/2	13,831	1/2		1/2		1/2		1/2		1/2	
3/4	73,819	3/4	58,734	3/4	43,670	3/4	28,600	3/4	13,517	3/4		3/4		3/4		3/4		3/4	
7	73,505	7	58,420	7	43,357	7	28,286	7	13,203	7		7		7		7		7	
1/4	73,190	1/4	58,105	1/4	43,044	1/4	27,972	1/4	12,888	1/4		1/4		1/4		1/4		1/4	
1/2	72,876	1/2	57,791	1/2	42,730	1/2	27,658	1/2	12,574	1/2		1/2		1/2		1/2		1/2	
3/4	72,562	3/4	57,477	3/4	42,417	3/4	27,344	3/4	12,260	3/4		3/4		3/4		3/4		3/4	
8	72,247	8	57,163	8	42,104	8	27,030	8	11,946	8		8		8		8		8	
1/4	71,933	1/4	56,848	1/4	41,790	1/4	26,716	1/4	11,631	1/4		1/4		1/4		1/4		1/4	
1/2	71,619	1/2	56,534	1/2	41,477	1/2	26,402	1/2	11,317	1/2		1/2		1/2		1/2		1/2	
3/4	71,305	3/4	56,220	3/4	41,164	3/4	26,088	3/4	11,003	3/4		3/4		3/4		3/4		3/4	
9	70,990	9	55,905	9	40,850	9	25,773	9	10,688	9		9		9		9		9	
1/4	70,676	1/4	55,591	1/4	40,537	1/4	25,459	1/4	10,374	1/4		1/4		1/4		1/4		1/4	
1/2	70,362	1/2	55,277	1/2	40,224	1/2	25,145	1/2	10,060	1/2		1/2		1/2		1/2		1/2	
3/4	70,048	3/4	54,963	3/4	39,910	3/4	24,831	3/4	9,746	3/4		3/4		3/4		3/4		3/4	
10	69,733	10	54,648	10	39,597	10	24,516	10	9,431	10		10		10		10		10	
1/4	69,419	1/4	54,334	1/4	39,283	1/4	24,202	1/4	9,117	1/4		1/4		1/4		1/4		1/4	
1/2	69,105	1/2	54,020	1/2	38,969	1/2	23,888	1/2	8,803	1/2		1/2		1/2		1/2		1/2	
3/4	68,790	3/4	53,706	3/4	38,656	3/4	23,573	3/4	8,489	3/4		3/4		3/4		3/4		3/4	
11	68,476	11	53,391	11	38,342	11	23,259	11	8,174	11		11		11		11		11	
1/4	68,162	1/4	53,077	1/4	38,028	1/4	22,945	1/4	7,860	1/4		1/4		1/4		1/4		1/4	
1/2	67,848	1/2	52,763	1/2	37,713	1/2	22,631	1/2	7,546	1/2		1/2		1/2		1/2		1/2	
3/4	67,533	3/4	52,448	3/4	37,399	3/4	22,316	3/4	7,232	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/28/2020 CL
CALCULATED: 01/29/2020 CL
PRINTED: 01/29/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "HSM 3037"

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	0	0	183,995	0	173,668	0	163,327	0	152,964	0	140,903	0	125,945	0	110,986	0	96,014
1/4		1/4		1/4	183,780	1/4	173,453	1/4	163,112	1/4	152,748	1/4	140,592	1/4	125,633	1/4	110,675	1/4	95,702
1/2		1/2		1/2	183,565	1/2	173,238	1/2	162,896	1/2	152,532	1/2	140,280	1/2	125,322	1/2	110,363	1/2	95,391
3/4		3/4		3/4	183,350	3/4	173,023	3/4	162,680	3/4	152,316	3/4	139,968	3/4	125,010	3/4	110,051	3/4	95,079
1	1	1	1	1	183,135	1	172,808	1	162,464	1	152,100	1	139,657	1	124,698	1	109,740	1	94,767
1/4		1/4		1/4	182,920	1/4	172,593	1/4	162,248	1/4	151,884	1/4	139,345	1/4	124,387	1/4	109,428	1/4	94,455
1/2		1/2		1/2	182,704	1/2	172,377	1/2	162,032	1/2	151,668	1/2	139,034	1/2	124,075	1/2	109,116	1/2	94,143
3/4		3/4		3/4	182,489	3/4	172,162	3/4	161,816	3/4	151,453	3/4	138,722	3/4	123,763	3/4	108,805	3/4	93,832
2	2	2	2	2	191,910	2	181,584	2	171,257	2	160,930	2	149,503	2	134,076	2	119,649	2	104,222
1/4		1/4		1/4	191,786	1/4	181,460	1/4	171,134	1/4	160,806	1/4	149,379	1/4	133,950	1/4	119,523	1/4	104,096
1/2		1/2		1/2	191,662	1/2	181,336	1/2	171,008	1/2	160,682	1/2	149,254	1/2	133,826	1/2	119,397	1/2	103,970
3/4		3/4		3/4	191,539	3/4	181,211	3/4	170,883	3/4	160,557	3/4	149,129	3/4	133,702	3/4	119,271	3/4	103,844
3	3	3	3	3	191,415	3	181,087	3	170,758	3	160,432	3	149,004	3	133,577	3	119,145	3	103,718
1/4		1/4		1/4	191,256	1/4	181,198	1/4	170,871	1/4	160,521	1/4	150,157	1/4	136,852	1/4	121,894	1/4	106,934
1/2		1/2		1/2	191,096	1/2	180,983	1/2	170,656	1/2	160,305	1/2	149,941	1/2	136,540	1/2	121,582	1/2	106,622
3/4		3/4		3/4	190,937	3/4	180,768	3/4	170,441	3/4	160,089	3/4	149,725	3/4	136,229	3/4	121,270	3/4	106,310
4	4	4	4	4	190,777	4	180,553	4	170,226	4	159,873	4	149,509	4	135,917	4	120,959	4	105,998
1/4		1/4		1/4	190,584	1/4	180,338	1/4	170,011	1/4	159,657	1/4	149,290	1/4	135,606	1/4	120,647	1/4	105,686
1/2		1/2		1/2	190,391	1/2	180,123	1/2	169,796	1/2	159,441	1/2	149,071	1/2	135,294	1/2	120,335	1/2	105,374
3/4		3/4		3/4	190,198	3/4	179,908	3/4	169,580	3/4	159,225	3/4	148,851	3/4	134,982	3/4	120,024	3/4	105,062
5	5	5	5	5	190,005	5	179,692	5	169,365	5	159,009	5	148,632	5	134,671	5	119,712	5	104,750
1/4		1/4		1/4	189,793	1/4	179,477	1/4	169,150	1/4	158,793	1/4	148,401	1/4	134,359	1/4	119,400	1/4	104,438
1/2		1/2		1/2	189,582	1/2	179,262	1/2	168,935	1/2	158,578	1/2	148,170	1/2	134,047	1/2	119,089	1/2	104,126
3/4		3/4		3/4	189,370	3/4	179,047	3/4	168,720	3/4	158,362	3/4	147,939	3/4	133,736	3/4	118,777	3/4	103,814
6	6	6	6	6	189,159	6	178,832	6	168,505	6	158,146	6	147,708	6	133,424	6	118,466	6	103,502
1/4		1/4		1/4	188,944	1/4	178,617	1/4	168,290	1/4	157,930	1/4	147,461	1/4	133,112	1/4	118,154	1/4	103,190
1/2		1/2		1/2	188,729	1/2	178,402	1/2	168,074	1/2	157,714	1/2	147,214	1/2	132,801	1/2	117,842	1/2	102,878
3/4		3/4		3/4	188,514	3/4	178,186	3/4	167,859	3/4	157,498	3/4	146,966	3/4	132,489	3/4	117,531	3/4	102,566
7	7	7	7	7	188,299	7	177,971	7	167,644	7	157,282	7	146,719	7	132,178	7	117,219	7	102,254
1/4		1/4		1/4	188,084	1/4	177,756	1/4	167,429	1/4	157,066	1/4	146,457	1/4	131,866	1/4	116,907	1/4	101,942
1/2		1/2		1/2	187,869	1/2	177,541	1/2	167,213	1/2	156,850	1/2	146,194	1/2	131,554	1/2	116,596	1/2	101,630
3/4		3/4		3/4	187,654	3/4	177,326	3/4	166,998	3/4	156,634	3/4	145,931	3/4	131,243	3/4	116,284	3/4	101,318
8	8	8	8	8	187,438	8	177,111	8	166,782	8	156,418	8	145,668	8	130,931	8	115,972	8	101,006
1/4		1/4		1/4	187,223	1/4	176,896	1/4	166,566	1/4	156,203	1/4	145,390	1/4	130,619	1/4	115,661	1/4	100,694
1/2		1/2		1/2	187,008	1/2	176,680	1/2	166,350	1/2	155,987	1/2	145,111	1/2	130,308	1/2	115,349	1/2	100,381
3/4		3/4		3/4	186,793	3/4	176,465	3/4	166,134	3/4	155,771	3/4	144,833	3/4	129,996	3/4	115,038	3/4	100,069
9	9	9	9	9	186,577	9	176,250	9	165,918	9	155,555	9	144,554	9	129,684	9	114,726	9	99,757
1/4		1/4		1/4	186,362	1/4	176,035	1/4	165,702	1/4	155,339	1/4	144,260	1/4	129,373	1/4	114,414	1/4	99,445
1/2		1/2		1/2	186,147	1/2	175,820	1/2	165,487	1/2	155,123	1/2	143,965	1/2	129,061	1/2	114,103	1/2	99,133
3/4		3/4		3/4	185,932	3/4	175,605	3/4	165,271	3/4	154,907	3/4	143,671	3/4	128,750	3/4	113,791	3/4	98,821
10	10	10	10	10	185,717	10	175,389	10	165,055	10	154,691	10	143,376	10	128,438	10	113,479	10	98,509
1/4		1/4		1/4	185,501	1/4	175,174	1/4	164,839	1/4	154,475	1/4	143,069	1/4	128,126	1/4	113,168	1/4	98,197
1/2		1/2		1/2	185,286	1/2	174,959	1/2	164,623	1/2	154,259	1/2	142,762	1/2	127,815	1/2	112,856	1/2	97,885
3/4		3/4		3/4	185,071	3/4	174,744	3/4	164,407	3/4	154,043	3/4	142,455	3/4	127,503	3/4	112,545	3/4	97,573
11	11	11	11	11	184,856	11	174,529	11	164,191	11	153,828	11	142,148	11	127,191	11	112,233	11	97,261
1/4		1/4		1/4	184,641	1/4	174,314	1/4	163,975	1/4	153,612	1/4	141,837	1/4	126,880	1/4	111,921	1/4	96,950
1/2		1/2		1/2	184,426	1/2	174,099	1/2	163,759	1/2	153,396	1/2	141,526	1/2	126,568	1/2	111,610	1/2	96,638
3/4		3/4		3/4	184,211	3/4	173,883	3/4	163,543	3/4	153,180	3/4	141,214	3/4	126,256	3/4	111,298	3/4	96,326

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE OR 8" HATCH
 GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 41'-09" FORWARD OF AFT BULKHEAD
 GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 40'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "HSM 3037"

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	81,041	0	66,134	0	51,405	0	36,834	0	21,870	0	6,880	0		0		0		0	
1/4	80,729	1/4	65,824	1/4	51,103	1/4	36,526	1/4	21,558	1/4	6,568	1/4		1/4		1/4		1/4	
1/2	80,417	1/2	65,514	1/2	50,800	1/2	36,218	1/2	21,246	1/2	6,256	1/2		1/2		1/2		1/2	
3/4	80,105	3/4	65,204	3/4	50,498	3/4	35,910	3/4	20,934	3/4	5,943	3/4		3/4		3/4		3/4	
1	79,792	1	64,893	1	50,196	1	35,602	1	20,622	1	5,631	1		1		1		1	
1/4	79,480	1/4	64,583	1/4	49,893	1/4	35,290	1/4	20,309	1/4	5,319	1/4		1/4		1/4		1/4	
1/2	79,168	1/2	64,273	1/2	49,591	1/2	34,979	1/2	19,997	1/2	5,006	1/2		1/2		1/2		1/2	
3/4	78,856	3/4	63,963	3/4	49,289	3/4	34,667	3/4	19,685	3/4	4,694	3/4		3/4		3/4		3/4	
2	78,544	2	63,653	2	48,987	2	34,355	2	19,373	2	4,382	2		2		2		2	
1/4	78,233	1/4	63,342	1/4	48,684	1/4	34,043	1/4	19,061	1/4	4,070	1/4		1/4		1/4		1/4	
1/2	77,922	1/2	63,031	1/2	48,382	1/2	33,731	1/2	18,749	1/2	3,758	1/2		1/2		1/2		1/2	
3/4	77,611	3/4	62,720	3/4	48,080	3/4	33,419	3/4	18,436	3/4	3,447	3/4		3/4		3/4		3/4	
3	77,299	3	62,409	3	47,777	3	33,107	3	18,124	3	3,135	3		3		3		3	
1/4	76,989	1/4	62,097	1/4	47,475	1/4	32,795	1/4	17,812	1/4	2,843	1/4		1/4		1/4		1/4	
1/2	76,679	1/2	61,785	1/2	47,173	1/2	32,482	1/2	17,500	1/2	2,550	1/2		1/2		1/2		1/2	
3/4	76,369	3/4	61,473	3/4	46,871	3/4	32,170	3/4	17,188	3/4	2,258	3/4		3/4		3/4		3/4	
4	76,059	4	61,162	4	46,570	4	31,858	4	16,875	4	1,966	4		4		4		4	
1/4	75,749	1/4	60,850	1/4	46,268	1/4	31,546	1/4	16,563	1/4	1,731	1/4		1/4		1/4		1/4	
1/2	75,439	1/2	60,538	1/2	45,966	1/2	31,234	1/2	16,251	1/2	1,497	1/2		1/2		1/2		1/2	
3/4	75,128	3/4	60,226	3/4	45,665	3/4	30,922	3/4	15,939	3/4	1,262	3/4		3/4		3/4		3/4	
5	74,818	5	59,914	5	45,363	5	30,609	5	15,627	5	1,028	5		5		5		5	
1/4	74,508	1/4	59,606	1/4	45,060	1/4	30,297	1/4	15,315	1/4		1/4		1/4		1/4		1/4	
1/2	74,198	1/2	59,297	1/2	44,757	1/2	29,985	1/2	15,002	1/2		1/2		1/2		1/2		1/2	
3/4	73,888	3/4	58,988	3/4	44,454	3/4	29,673	3/4	14,690	3/4		3/4		3/4		3/4		3/4	
6	73,578	6	58,680	6	44,151	6	29,361	6	14,378	6		6		6		6		6	
1/4	73,268	1/4	58,374	1/4	43,846	1/4	29,049	1/4	14,066	1/4		1/4		1/4		1/4		1/4	
1/2	72,957	1/2	58,069	1/2	43,541	1/2	28,737	1/2	13,754	1/2		1/2		1/2		1/2		1/2	
3/4	72,647	3/4	57,763	3/4	43,236	3/4	28,425	3/4	13,442	3/4		3/4		3/4		3/4		3/4	
7	72,337	7	57,458	7	42,931	7	28,113	7	13,129	7		7		7		7		7	
1/4	72,027	1/4	57,154	1/4	42,626	1/4	27,801	1/4	12,817	1/4		1/4		1/4		1/4		1/4	
1/2	71,717	1/2	56,850	1/2	42,321	1/2	27,489	1/2	12,505	1/2		1/2		1/2		1/2		1/2	
3/4	71,407	3/4	56,546	3/4	42,017	3/4	27,177	3/4	12,193	3/4		3/4		3/4		3/4		3/4	
8	71,096	8	56,242	8	41,712	8	26,865	8	11,881	8		8		8		8		8	
1/4	70,786	1/4	55,940	1/4	41,407	1/4	26,553	1/4	11,568	1/4		1/4		1/4		1/4		1/4	
1/2	70,476	1/2	55,638	1/2	41,102	1/2	26,241	1/2	11,256	1/2		1/2		1/2		1/2		1/2	
3/4	70,166	3/4	55,335	3/4	40,797	3/4	25,929	3/4	10,943	3/4		3/4		3/4		3/4		3/4	
9	69,856	9	55,033	9	40,492	9	25,616	9	10,631	9		9		9		9		9	
1/4	69,546	1/4	54,731	1/4	40,188	1/4	25,304	1/4	10,318	1/4		1/4		1/4		1/4		1/4	
1/2	69,236	1/2	54,428	1/2	39,883	1/2	24,992	1/2	10,006	1/2		1/2		1/2		1/2		1/2	
3/4	68,925	3/4	54,126	3/4	39,578	3/4	24,680	3/4	9,693	3/4		3/4		3/4		3/4		3/4	
10	68,615	10	53,824	10	39,273	10	24,368	10	9,380	10		10		10		10		10	
1/4	68,305	1/4	53,521	1/4	38,968	1/4	24,056	1/4	9,068	1/4		1/4		1/4		1/4		1/4	
1/2	67,995	1/2	53,219	1/2	38,663	1/2	23,743	1/2	8,755	1/2		1/2		1/2		1/2		1/2	
3/4	67,685	3/4	52,917	3/4	38,358	3/4	23,431	3/4	8,443	3/4		3/4		3/4		3/4		3/4	
11	67,375	11	52,614	11	38,054	11	23,119	11	8,130	11		11		11		11		11	
1/4	67,064	1/4	52,312	1/4	37,749	1/4	22,807	1/4	7,818	1/4		1/4		1/4		1/4		1/4	
1/2	66,754	1/2	52,010	1/2	37,444	1/2	22,495	1/2	7,505	1/2		1/2		1/2		1/2		1/2	
3/4	66,444	3/4	51,707	3/4	37,139	3/4	22,183	3/4	7,193	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/28/2020 CL
CALCULATED: 01/29/2020 CL
PRINTED: 01/29/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 3037"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
0	0	0	184,970	0	174,646	0	164,308	0	153,948	0	141,878	0	126,891	0	111,904	0	96,903	IN	IN
1/4	1/4	1/4	184,755	1/4	174,431	1/4	164,092	1/4	153,732	1/4	141,565	1/4	126,579	1/4	111,592	1/4	96,590	IN	IN
1/2	1/2	1/2	184,539	1/2	174,216	1/2	163,876	1/2	153,516	1/2	141,253	1/2	126,267	1/2	111,280	1/2	96,277	IN	IN
3/4	3/4	3/4	184,324	3/4	174,000	3/4	163,661	3/4	153,300	3/4	140,941	3/4	125,954	3/4	110,968	3/4	95,965	IN	IN
1	1	1	184,109	1	173,785	1	163,445	1	153,084	1	140,629	1	125,642	1	110,656	1	95,652	IN	IN
1/4	1/4	1/4	183,894	1/4	173,570	1/4	163,229	1/4	152,869	1/4	140,317	1/4	125,330	1/4	110,343	1/4	95,339	IN	IN
1/2	1/2	1/2	183,679	1/2	173,355	1/2	163,013	1/2	152,653	1/2	140,005	1/2	125,018	1/2	110,031	1/2	95,027	IN	IN
3/4	3/4	3/4	183,464	3/4	173,140	3/4	162,797	3/4	152,437	3/4	139,692	3/4	124,706	3/4	109,719	3/4	94,714	IN	IN
2	2	2	192,881	2	183,249	2	172,925	2	162,581	2	152,221	2	139,380	2	124,393	2	109,406	IN	IN
1/4	1/4	1/4	192,758	1/4	183,034	1/4	172,710	1/4	162,366	1/4	152,005	1/4	139,068	1/4	124,081	1/4	109,094	IN	IN
1/2	1/2	1/2	192,634	1/2	182,819	1/2	172,495	1/2	162,150	1/2	151,789	1/2	138,756	1/2	123,769	1/2	108,782	IN	IN
3/4	3/4	3/4	192,511	3/4	182,604	3/4	172,280	3/4	161,934	3/4	151,574	3/4	138,443	3/4	123,457	3/4	108,469	IN	IN
3	3	3	192,387	3	182,389	3	172,065	3	161,718	3	151,358	3	138,131	3	123,144	3	108,157	IN	IN
1/4	1/4	1/4	192,228	1/4	182,174	1/4	171,850	1/4	161,502	1/4	151,142	1/4	137,819	1/4	122,832	1/4	107,845	IN	IN
1/2	1/2	1/2	192,068	1/2	181,958	1/2	171,635	1/2	161,286	1/2	150,926	1/2	137,507	1/2	122,520	1/2	107,532	IN	IN
3/4	3/4	3/4	191,909	3/4	181,743	3/4	171,420	3/4	161,071	3/4	150,710	3/4	137,194	3/4	122,208	3/4	107,220	IN	IN
4	4	4	191,749	4	181,528	4	171,204	4	160,855	4	150,494	4	136,882	4	121,896	4	106,907	IN	IN
1/4	1/4	1/4	191,556	1/4	181,313	1/4	170,989	1/4	160,639	1/4	150,275	1/4	136,570	1/4	121,583	1/4	106,594	IN	IN
1/2	1/2	1/2	191,363	1/2	181,098	1/2	170,774	1/2	160,423	1/2	150,056	1/2	136,258	1/2	121,271	1/2	106,282	IN	IN
3/4	3/4	3/4	191,170	3/4	180,883	3/4	170,559	3/4	160,207	3/4	149,836	3/4	135,946	3/4	120,959	3/4	105,969	IN	IN
5	5	5	190,977	5	180,668	5	170,344	5	159,991	5	149,617	5	135,633	5	120,647	5	105,657	IN	IN
1/4	1/4	1/4	190,766	1/4	180,453	1/4	170,129	1/4	159,775	1/4	149,386	1/4	135,321	1/4	120,334	1/4	105,344	IN	IN
1/2	1/2	1/2	190,554	1/2	180,238	1/2	169,914	1/2	159,560	1/2	149,155	1/2	135,009	1/2	120,022	1/2	105,031	IN	IN
3/4	3/4	3/4	190,343	3/4	180,023	3/4	169,699	3/4	159,344	3/4	148,924	3/4	134,697	3/4	119,710	3/4	104,719	IN	IN
6	6	6	190,131	6	179,808	6	169,484	6	159,128	6	148,693	6	134,384	6	119,398	6	104,406	IN	IN
1/4	1/4	1/4	189,917	1/4	179,593	1/4	169,269	1/4	158,912	1/4	148,446	1/4	134,072	1/4	119,086	1/4	104,093	IN	IN
1/2	1/2	1/2	189,702	1/2	179,378	1/2	169,054	1/2	158,696	1/2	148,199	1/2	133,760	1/2	118,773	1/2	103,781	IN	IN
3/4	3/4	3/4	189,487	3/4	179,162	3/4	168,839	3/4	158,480	3/4	147,951	3/4	133,448	3/4	118,461	3/4	103,468	IN	IN
7	7	7	189,272	7	178,947	7	168,623	7	158,265	7	147,704	7	133,136	7	118,149	7	103,155	IN	IN
1/4	1/4	1/4	189,057	1/4	178,732	1/4	168,408	1/4	158,049	1/4	147,441	1/4	132,823	1/4	117,837	1/4	102,843	IN	IN
1/2	1/2	1/2	188,842	1/2	178,517	1/2	168,193	1/2	157,833	1/2	147,178	1/2	132,511	1/2	117,524	1/2	102,530	IN	IN
3/4	3/4	3/4	188,627	3/4	178,302	3/4	167,977	3/4	157,617	3/4	146,915	3/4	132,199	3/4	117,212	3/4	102,218	IN	IN
8	8	8	188,412	8	178,087	8	167,762	8	157,401	8	146,652	8	131,887	8	116,900	8	101,905	IN	IN
1/4	1/4	1/4	188,196	1/4	177,872	1/4	167,546	1/4	157,185	1/4	146,373	1/4	131,574	1/4	116,588	1/4	101,592	IN	IN
1/2	1/2	1/2	187,981	1/2	177,657	1/2	167,330	1/2	156,970	1/2	146,094	1/2	131,262	1/2	116,276	1/2	101,280	IN	IN
3/4	3/4	3/4	187,766	3/4	177,442	3/4	167,114	3/4	156,754	3/4	145,815	3/4	130,950	3/4	115,963	3/4	100,967	IN	IN
9	9	9	187,551	9	177,227	9	166,898	9	156,538	9	145,536	9	130,638	9	115,651	9	100,654	IN	IN
1/4	1/4	1/4	187,336	1/4	177,012	1/4	166,682	1/4	156,322	1/4	145,241	1/4	130,326	1/4	115,339	1/4	100,342	IN	IN
1/2	1/2	1/2	187,121	1/2	176,797	1/2	166,467	1/2	156,106	1/2	144,945	1/2	130,013	1/2	115,027	1/2	100,029	IN	IN
3/4	3/4	3/4	186,905	3/4	176,581	3/4	166,251	3/4	155,890	3/4	144,650	3/4	129,701	3/4	114,714	3/4	99,716	IN	IN
10	10	10	186,690	10	176,366	10	166,035	10	155,675	10	144,355	10	129,389	10	114,402	10	99,404	IN	IN
1/4	1/4	1/4	186,475	1/4	176,151	1/4	165,819	1/4	155,459	1/4	144,048	1/4	129,077	1/4	114,090	1/4	99,091	IN	IN
1/2	1/2	1/2	186,260	1/2	175,936	1/2	165,603	1/2	155,243	1/2	143,740	1/2	128,764	1/2	113,778	1/2	98,778	IN	IN
3/4	3/4	3/4	186,045	3/4	175,721	3/4	165,387	3/4	155,027	3/4	143,433	3/4	128,452	3/4	113,466	3/4	98,466	IN	IN
11	11	11	185,830	11	175,506	11	165,172	11	154,811	11	143,125	11	128,140	11	113,153	11	98,153	IN	IN
1/4	1/4	1/4	185,615	1/4	175,291	1/4	164,956	1/4	154,595	1/4	142,813	1/4	127,828	1/4	112,841	1/4	97,841	IN	IN
1/2	1/2	1/2	185,400	1/2	175,076	1/2	164,740	1/2	154,379	1/2	142,501	1/2	127,516	1/2	112,529	1/2	97,528	IN	IN
3/4	3/4	3/4	185,185	3/4	174,861	3/4	164,524	3/4	154,164	3/4	142,189	3/4	127,203	3/4	112,217	3/4	97,215	IN	IN

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE OR 8" HATCH

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

GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 40'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "HSM 3037"

**3 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	81,896	0	66,889	0	51,882	0	36,891	0	21,887	0	6,881	0		0		0		0	
1/4	81,583	1/4	66,577	1/4	51,570	1/4	36,579	1/4	21,575	1/4	6,569	1/4		1/4		1/4		1/4	
1/2	81,271	1/2	66,264	1/2	51,257	1/2	36,266	1/2	21,262	1/2	6,256	1/2		1/2		1/2		1/2	
3/4	80,958	3/4	65,951	3/4	50,945	3/4	35,954	3/4	20,950	3/4	5,943	3/4		3/4		3/4		3/4	
1	80,645	1	65,639	1	50,632	1	35,642	1	20,637	1	5,631	1		1		1		1	
1/4	80,333	1/4	65,326	1/4	50,319	1/4	35,330	1/4	20,324	1/4	5,318	1/4		1/4		1/4		1/4	
1/2	80,020	1/2	65,013	1/2	50,007	1/2	35,017	1/2	20,012	1/2	5,006	1/2		1/2		1/2		1/2	
3/4	79,707	3/4	64,701	3/4	49,694	3/4	34,705	3/4	19,699	3/4	4,694	3/4		3/4		3/4		3/4	
2	79,395	2	64,388	2	49,381	2	34,393	2	19,386	2	4,381	2		2		2		2	
1/4	79,082	1/4	64,075	1/4	49,069	1/4	34,080	1/4	19,074	1/4	4,070	1/4		1/4		1/4		1/4	
1/2	78,770	1/2	63,763	1/2	48,756	1/2	33,767	1/2	18,761	1/2	3,758	1/2		1/2		1/2		1/2	
3/4	78,457	3/4	63,450	3/4	48,443	3/4	33,455	3/4	18,448	3/4	3,446	3/4		3/4		3/4		3/4	
3	78,144	3	63,138	3	48,131	3	33,142	3	18,136	3	3,135	3		3		3		3	
1/4	77,832	1/4	62,825	1/4	47,818	1/4	32,829	1/4	17,823	1/4	2,842	1/4		1/4		1/4		1/4	
1/2	77,519	1/2	62,512	1/2	47,506	1/2	32,517	1/2	17,511	1/2	2,550	1/2		1/2		1/2		1/2	
3/4	77,206	3/4	62,200	3/4	47,193	3/4	32,204	3/4	17,198	3/4	2,258	3/4		3/4		3/4		3/4	
4	76,894	4	61,887	4	46,881	4	31,892	4	16,885	4	1,965	4		4		4		4	
1/4	76,581	1/4	61,574	1/4	46,568	1/4	31,579	1/4	16,573	1/4	1,731	1/4		1/4		1/4		1/4	
1/2	76,268	1/2	61,262	1/2	46,256	1/2	31,266	1/2	16,260	1/2	1,496	1/2		1/2		1/2		1/2	
3/4	75,956	3/4	60,949	3/4	45,944	3/4	30,954	3/4	15,947	3/4	1,262	3/4		3/4		3/4		3/4	
5	75,643	5	60,636	5	45,631	5	30,641	5	15,635	5	1,028	5		5		5		5	
1/4	75,330	1/4	60,324	1/4	45,319	1/4	30,328	1/4	15,322	1/4		1/4		1/4		1/4		1/4	
1/2	75,018	1/2	60,011	1/2	45,007	1/2	30,016	1/2	15,010	1/2		1/2		1/2		1/2		1/2	
3/4	74,705	3/4	59,698	3/4	44,695	3/4	29,703	3/4	14,697	3/4		3/4		3/4		3/4		3/4	
6	74,393	6	59,386	6	44,382	6	29,391	6	14,384	6		6		6		6		6	
1/4	74,080	1/4	59,073	1/4	44,070	1/4	29,078	1/4	14,072	1/4		1/4		1/4		1/4		1/4	
1/2	73,767	1/2	58,761	1/2	43,758	1/2	28,765	1/2	13,759	1/2		1/2		1/2		1/2		1/2	
3/4	73,455	3/4	58,448	3/4	43,446	3/4	28,453	3/4	13,446	3/4		3/4		3/4		3/4		3/4	
7	73,142	7	58,135	7	43,134	7	28,140	7	13,134	7		7		7		7		7	
1/4	72,829	1/4	57,823	1/4	42,822	1/4	27,827	1/4	12,821	1/4		1/4		1/4		1/4		1/4	
1/2	72,517	1/2	57,510	1/2	42,509	1/2	27,515	1/2	12,509	1/2		1/2		1/2		1/2		1/2	
3/4	72,204	3/4	57,197	3/4	42,197	3/4	27,202	3/4	12,196	3/4		3/4		3/4		3/4		3/4	
8	71,891	8	56,885	8	41,885	8	26,890	8	11,883	8		8		8		8		8	
1/4	71,579	1/4	56,572	1/4	41,573	1/4	26,577	1/4	11,571	1/4		1/4		1/4		1/4		1/4	
1/2	71,266	1/2	56,259	1/2	41,261	1/2	26,264	1/2	11,258	1/2		1/2		1/2		1/2		1/2	
3/4	70,954	3/4	55,947	3/4	40,949	3/4	25,952	3/4	10,945	3/4		3/4		3/4		3/4		3/4	
9	70,641	9	55,634	9	40,637	9	25,639	9	10,633	9		9		9		9		9	
1/4	70,328	1/4	55,322	1/4	40,324	1/4	25,326	1/4	10,320	1/4		1/4		1/4		1/4		1/4	
1/2	70,016	1/2	55,009	1/2	40,012	1/2	25,014	1/2	10,007	1/2		1/2		1/2		1/2		1/2	
3/4	69,703	3/4	54,696	3/4	39,700	3/4	24,701	3/4	9,695	3/4		3/4		3/4		3/4		3/4	
10	69,390	10	54,384	10	39,388	10	24,388	10	9,382	10		10		10		10		10	
1/4	69,078	1/4	54,071	1/4	39,076	1/4	24,076	1/4	9,070	1/4		1/4		1/4		1/4		1/4	
1/2	68,765	1/2	53,758	1/2	38,764	1/2	23,763	1/2	8,757	1/2		1/2		1/2		1/2		1/2	
3/4	68,452	3/4	53,446	3/4	38,451	3/4	23,451	3/4	8,444	3/4		3/4		3/4		3/4		3/4	
11	68,140	11	53,133	11	38,139	11	23,138	11	8,132	11		11		11		11		11	
1/4	67,827	1/4	52,820	1/4	37,827	1/4	22,825	1/4	7,819	1/4		1/4		1/4		1/4		1/4	
1/2	67,514	1/2	52,508	1/2	37,515	1/2	22,513	1/2	7,506	1/2		1/2		1/2		1/2		1/2	
3/4	67,202	3/4	52,195	3/4	37,203	3/4	22,200	3/4	7,194	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/28/2020 CL
CALCULATED: 01/29/2020 CL
PRINTED: 01/29/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "HSM 3037"

PORT SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-07"

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

STRAPPED: 01/28/2020 CL
CALCULATED: 01/29/2020 CL
PRINTED: 01/29/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2020

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



BARGE "HSM 3037"

STBD SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GUAGE HEIGHT 5'-07"

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

STRAPPED: 01/28/2020 CL
CALCULATED: 01/29/2020 CL
PRINTED: 01/29/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2020

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