



# BARGE "HSM 3032"

## 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"

December 18, 2019

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "HSM 3032"

## 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"

December 18, 2019

PRECISION MEASUREMENT  
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# BARGE "HSM 3032"

# 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	0	199,642	0	184,657	0	169,655	0	154,626	0	139,597	0	124,568	0	109,538	0	94,504
1/4	1/4	1/4	1/4	1/4	199,330	1/4	184,345	1/4	169,342	1/4	154,313	1/4	139,284	1/4	124,254	1/4	109,225	1/4	94,190
1/2	1/2	1/2	1/2	1/2	199,018	1/2	184,032	1/2	169,029	1/2	154,000	1/2	138,971	1/2	123,941	1/2	108,912	1/2	93,877
3/4	3/4	3/4	3/4	3/4	198,706	3/4	183,720	3/4	168,716	3/4	153,687	3/4	138,657	3/4	123,628	3/4	108,599	3/4	93,564
1	1	1	1	1	198,393	1	183,408	1	168,403	1	153,373	1	138,344	1	123,315	1	108,286	1	93,251
1/4	1/4	1/4	1/4	1/4	198,081	1/4	183,096	1/4	168,090	1/4	153,060	1/4	138,031	1/4	123,002	1/4	107,973	1/4	92,937
1/2	1/2	1/2	1/2	1/2	197,769	1/2	182,784	1/2	167,776	1/2	152,747	1/2	137,718	1/2	122,689	1/2	107,660	1/2	92,624
3/4	3/4	3/4	3/4	3/4	197,457	3/4	182,471	3/4	167,463	3/4	152,434	3/4	137,405	3/4	122,376	3/4	107,346	3/4	92,311
2	2	2	2	2	211,079	2	197,145	2	182,159	2	167,150	2	152,121	2	137,092	2	122,063	2	107,033
1/4	1/4	1/4	1/4	1/4	210,899	1/4	196,832	1/4	181,847	1/4	166,837	1/4	151,808	1/4	136,779	1/4	121,750	1/4	106,720
1/2	1/2	1/2	1/2	1/2	210,719	1/2	196,520	1/2	181,535	1/2	166,524	1/2	151,495	1/2	136,466	1/2	121,437	1/2	106,407
3/4	3/4	3/4	3/4	3/4	210,540	3/4	196,208	3/4	181,223	3/4	166,211	3/4	151,182	3/4	136,153	3/4	121,123	3/4	106,094
3	3	3	3	3	210,360	3	195,896	3	180,910	3	165,898	3	150,869	3	135,839	3	120,810	3	105,780
1/4	1/4	1/4	1/4	1/4	210,128	1/4	195,584	1/4	180,598	1/4	165,585	1/4	150,556	1/4	135,526	1/4	120,497	1/4	105,467
1/2	1/2	1/2	1/2	1/2	209,896	1/2	195,271	1/2	180,286	1/2	165,272	1/2	150,242	1/2	135,213	1/2	120,184	1/2	105,154
3/4	3/4	3/4	3/4	3/4	209,664	3/4	194,959	3/4	179,974	3/4	164,958	3/4	149,929	3/4	134,900	3/4	119,871	3/4	104,841
4	4	4	4	4	209,432	4	194,647	4	179,662	4	164,645	4	149,616	4	134,587	4	119,558	4	104,527
1/4	1/4	1/4	1/4	1/4	209,152	1/4	194,335	1/4	179,350	1/4	164,332	1/4	149,303	1/4	134,274	1/4	119,245	1/4	104,214
1/2	1/2	1/2	1/2	1/2	208,872	1/2	194,023	1/2	179,037	1/2	164,019	1/2	148,990	1/2	133,961	1/2	118,932	1/2	103,901
3/4	3/4	3/4	3/4	3/4	208,591	3/4	193,710	3/4	178,725	3/4	163,706	3/4	148,677	3/4	133,648	3/4	118,619	3/4	103,588
5	5	5	5	5	208,311	5	193,398	5	178,413	5	163,393	5	148,364	5	133,335	5	118,305	5	103,274
1/4	1/4	1/4	1/4	1/4	208,005	1/4	193,086	1/4	178,101	1/4	163,080	1/4	148,051	1/4	133,021	1/4	117,992	1/4	102,961
1/2	1/2	1/2	1/2	1/2	207,699	1/2	192,774	1/2	177,789	1/2	162,767	1/2	147,738	1/2	132,708	1/2	117,679	1/2	102,648
3/4	3/4	3/4	3/4	3/4	207,393	3/4	192,462	3/4	177,476	3/4	162,454	3/4	147,424	3/4	132,395	3/4	117,366	3/4	102,335
6	6	6	6	6	207,087	6	192,149	6	177,164	6	162,140	6	147,111	6	132,082	6	117,053	6	102,021
1/4	1/4	1/4	1/4	1/4	206,777	1/4	191,837	1/4	176,852	1/4	161,827	1/4	146,798	1/4	131,769	1/4	116,740	1/4	101,708
1/2	1/2	1/2	1/2	1/2	206,468	1/2	191,525	1/2	176,540	1/2	161,514	1/2	146,485	1/2	131,456	1/2	116,427	1/2	101,395
3/4	3/4	3/4	3/4	3/4	206,158	3/4	191,213	3/4	176,228	3/4	161,201	3/4	146,172	3/4	131,143	3/4	116,114	3/4	101,082
7	7	7	7	7	205,848	7	190,901	7	175,915	7	160,888	7	145,859	7	130,830	7	115,801	7	100,768
1/4	1/4	1/4	1/4	1/4	205,538	1/4	190,589	1/4	175,603	1/4	160,575	1/4	145,546	1/4	130,517	1/4	115,487	1/4	100,455
1/2	1/2	1/2	1/2	1/2	205,228	1/2	190,276	1/2	175,290	1/2	160,262	1/2	145,233	1/2	130,204	1/2	115,174	1/2	100,142
3/4	3/4	3/4	3/4	3/4	204,918	3/4	189,964	3/4	174,977	3/4	159,949	3/4	144,920	3/4	129,890	3/4	114,861	3/4	99,829
8	8	8	8	8	204,608	8	189,652	8	174,665	8	159,636	8	144,606	8	129,577	8	114,548	8	99,515
1/4	1/4	1/4	1/4	1/4	204,298	1/4	189,340	1/4	174,352	1/4	159,323	1/4	144,293	1/4	129,264	1/4	114,235	1/4	99,202
1/2	1/2	1/2	1/2	1/2	203,988	1/2	189,028	1/2	174,039	1/2	159,009	1/2	143,980	1/2	128,951	1/2	113,922	1/2	98,889
3/4	3/4	3/4	3/4	3/4	203,677	3/4	188,715	3/4	173,725	3/4	158,696	3/4	143,667	3/4	128,638	3/4	113,609	3/4	98,576
9	9	9	9	9	203,367	9	188,403	9	173,412	9	158,383	9	143,354	9	128,325	9	113,296	9	98,262
1/4	1/4	1/4	1/4	1/4	203,057	1/4	188,091	1/4	173,099	1/4	158,070	1/4	143,041	1/4	128,012	1/4	112,983	1/4	97,949
1/2	1/2	1/2	1/2	1/2	202,747	1/2	187,779	1/2	172,786	1/2	157,757	1/2	142,728	1/2	127,699	1/2	112,670	1/2	97,636
3/4	3/4	3/4	3/4	3/4	202,437	3/4	187,467	3/4	172,473	3/4	157,444	3/4	142,415	3/4	127,386	3/4	112,356	3/4	97,323
10	10	10	10	10	202,127	10	187,154	10	172,160	10	157,131	10	142,102	10	127,072	10	112,043	10	97,010
1/4	1/4	1/4	1/4	1/4	201,817	1/4	186,842	1/4	171,847	1/4	156,818	1/4	141,789	1/4	126,759	1/4	111,730	1/4	96,696
1/2	1/2	1/2	1/2	1/2	201,507	1/2	186,530	1/2	171,534	1/2	156,505	1/2	141,475	1/2	126,446	1/2	111,417	1/2	96,383
3/4	3/4	3/4	3/4	3/4	201,197	3/4	186,218	3/4	171,221	3/4	156,191	3/4	141,162	3/4	126,133	3/4	111,104	3/4	96,070
11	11	11	11	11	200,887	11	185,906	11	170,908	11	155,878	11	140,849	11	125,820	11	110,791	11	95,757
1/4	1/4	1/4	1/4	1/4	200,576	1/4	185,593	1/4	170,594	1/4	155,565	1/4	140,536	1/4	125,507	1/4	110,478	1/4	95,443
1/2	1/2	1/2	1/2	1/2	200,264	1/2	185,281	1/2	170,281	1/2	155,252	1/2	140,223	1/2	125,194	1/2	110,165	1/2	95,130
3/4	3/4	3/4	3/4	3/4	199,953	3/4	184,969	3/4	169,968	3/4	154,939	3/4	139,910	3/4	124,881	3/4	109,852	3/4	94,817

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

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	79,468	0	64,433	0	49,498	0	34,466	0	19,431	0	5,248	0		0		0		0	
1/4	79,155	1/4	64,121	1/4	49,186	1/4	34,153	1/4	19,118	1/4	4,977	1/4		1/4		1/4		1/4	
1/2	78,841	1/2	63,809	1/2	48,873	1/2	33,840	1/2	18,804	1/2	4,706	1/2		1/2		1/2		1/2	
3/4	78,528	3/4	63,497	3/4	48,561	3/4	33,526	3/4	18,491	3/4	4,435	3/4		3/4		3/4		3/4	
1	78,215	1	63,185	1	48,248	1	33,213	1	18,178	1	4,165	1		1		1		1	
1/4	77,902	1/4	62,874	1/4	47,935	1/4	32,900	1/4	17,866	1/4	3,898	1/4		1/4		1/4		1/4	
1/2	77,588	1/2	62,563	1/2	47,622	1/2	32,587	1/2	17,553	1/2	3,631	1/2		1/2		1/2		1/2	
3/4	77,275	3/4	62,252	3/4	47,309	3/4	32,273	3/4	17,241	3/4	3,365	3/4		3/4		3/4		3/4	
2	76,962	2	61,941	2	46,995	2	31,960	2	16,929	2	3,098	2		2		2		2	
1/4	76,649	1/4	61,630	1/4	46,682	1/4	31,647	1/4	16,619	1/4	2,836	1/4		1/4		1/4		1/4	
1/2	76,335	1/2	61,319	1/2	46,369	1/2	31,334	1/2	16,310	1/2	2,574	1/2		1/2		1/2		1/2	
3/4	76,022	3/4	61,008	3/4	46,056	3/4	31,021	3/4	16,001	3/4	2,311	3/4		3/4		3/4		3/4	
3	75,709	3	60,697	3	45,742	3	30,707	3	15,691	3	2,049	3		3		3		3	
1/4	75,396	1/4	60,386	1/4	45,429	1/4	30,394	1/4	15,386	1/4	1,810	1/4		1/4		1/4		1/4	
1/2	75,083	1/2	60,075	1/2	45,116	1/2	30,081	1/2	15,080	1/2	1,572	1/2		1/2		1/2		1/2	
3/4	74,769	3/4	59,765	3/4	44,803	3/4	29,768	3/4	14,775	3/4	1,333	3/4		3/4		3/4		3/4	
4	74,456	4	59,454	4	44,490	4	29,454	4	14,469	4	1,094	4		4		4		4	
1/4	74,143	1/4	59,143	1/4	44,176	1/4	29,141	1/4	14,168	1/4	917	1/4		1/4		1/4		1/4	
1/2	73,830	1/2	58,832	1/2	43,863	1/2	28,828	1/2	13,866	1/2	740	1/2		1/2		1/2		1/2	
3/4	73,516	3/4	58,521	3/4	43,550	3/4	28,515	3/4	13,564	3/4	563	3/4		3/4		3/4		3/4	
5	73,203	5	58,210	5	43,237	5	28,201	5	13,263	5	386	5		5		5		5	
1/4	72,890	1/4	57,899	1/4	42,923	1/4	27,888	1/4	12,965	1/4		1/4		1/4		1/4		1/4	
1/2	72,577	1/2	57,588	1/2	42,610	1/2	27,575	1/2	12,667	1/2		1/2		1/2		1/2		1/2	
3/4	72,263	3/4	57,278	3/4	42,297	3/4	27,262	3/4	12,369	3/4		3/4		3/4		3/4		3/4	
6	71,950	6	56,967	6	41,984	6	26,948	6	12,071	6		6		6		6		6	
1/4	71,637	1/4	56,656	1/4	41,670	1/4	26,635	1/4	11,777	1/4		1/4		1/4		1/4		1/4	
1/2	71,324	1/2	56,345	1/2	41,357	1/2	26,322	1/2	11,483	1/2		1/2		1/2		1/2		1/2	
3/4	71,010	3/4	56,034	3/4	41,044	3/4	26,009	3/4	11,190	3/4		3/4		3/4		3/4		3/4	
7	70,697	7	55,723	7	40,731	7	25,696	7	10,896	7		7		7		7		7	
1/4	70,384	1/4	55,412	1/4	40,418	1/4	25,382	1/4	10,605	1/4		1/4		1/4		1/4		1/4	
1/2	70,071	1/2	55,101	1/2	40,104	1/2	25,069	1/2	10,315	1/2		1/2		1/2		1/2		1/2	
3/4	69,757	3/4	54,791	3/4	39,791	3/4	24,756	3/4	10,025	3/4		3/4		3/4		3/4		3/4	
8	69,444	8	54,480	8	39,478	8	24,443	8	9,735	8		8		8		8		8	
1/4	69,131	1/4	54,169	1/4	39,165	1/4	24,129	1/4	9,449	1/4		1/4		1/4		1/4		1/4	
1/2	68,818	1/2	53,858	1/2	38,851	1/2	23,816	1/2	9,163	1/2		1/2		1/2		1/2		1/2	
3/4	68,504	3/4	53,547	3/4	38,538	3/4	23,503	3/4	8,876	3/4		3/4		3/4		3/4		3/4	
9	68,191	9	53,236	9	38,225	9	23,190	9	8,590	9		9		9		9		9	
1/4	67,878	1/4	52,925	1/4	37,912	1/4	22,876	1/4	8,308	1/4		1/4		1/4		1/4		1/4	
1/2	67,565	1/2	52,614	1/2	37,598	1/2	22,563	1/2	8,025	1/2		1/2		1/2		1/2		1/2	
3/4	67,251	3/4	52,303	3/4	37,285	3/4	22,250	3/4	7,743	3/4		3/4		3/4		3/4		3/4	
10	66,938	10	51,992	10	36,972	10	21,937	10	7,461	10		10		10		10		10	
1/4	66,625	1/4	51,680	1/4	36,659	1/4	21,624	1/4	7,182	1/4		1/4		1/4		1/4		1/4	
1/2	66,312	1/2	51,369	1/2	36,345	1/2	21,310	1/2	6,904	1/2		1/2		1/2		1/2		1/2	
3/4	65,998	3/4	51,057	3/4	36,032	3/4	20,997	3/4	6,625	3/4		3/4		3/4		3/4		3/4	
11	65,685	11	50,746	11	35,719	11	20,684	11	6,347	11		11		11		11		11	
1/4	65,372	1/4	50,434	1/4	35,406	1/4	20,371	1/4	6,072	1/4		1/4		1/4		1/4		1/4	
1/2	65,059	1/2	50,122	1/2	35,093	1/2	20,057	1/2	5,797	1/2		1/2		1/2		1/2		1/2	
3/4	64,746	3/4	49,810	3/4	34,779	3/4	19,744	3/4	5,523	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/18/2019 CL  
CALCULATED: 12/18/2019 CL  
PRINTED: 12/19/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2019

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



# BARGE "HSM 3032"

## 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 3032"

**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: 12/18/2019 CL  
CALCULATED: 12/18/2019 CL  
PRINTED: 12/19/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "HSM 3032"

## 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	201,648	0	186,627	0	171,587	0	156,516	0	141,444	0	126,372	0	111,300	0	96,221
1/4		1/4		1/4	201,335	1/4	186,314	1/4	171,273	1/4	156,202	1/4	141,130	1/4	126,058	1/4	110,986	1/4	95,907
1/2		1/2		1/2	201,022	1/2	186,002	1/2	170,959	1/2	155,888	1/2	140,816	1/2	125,744	1/2	110,672	1/2	95,593
3/4		3/4		3/4	200,709	3/4	185,689	3/4	170,645	3/4	155,574	3/4	140,502	3/4	125,430	3/4	110,358	3/4	95,279
1	1	1	1	1	200,396	1	185,376	1	170,331	1	155,260	1	140,188	1	125,116	1	110,044	1	94,965
1/4		1/4		1/4	200,083	1/4	185,063	1/4	170,017	1/4	154,946	1/4	139,874	1/4	124,802	1/4	109,730	1/4	94,651
1/2		1/2		1/2	199,771	1/2	184,750	1/2	169,703	1/2	154,632	1/2	139,560	1/2	124,488	1/2	109,416	1/2	94,337
3/4		3/4		3/4	199,458	3/4	184,437	3/4	169,390	3/4	154,318	3/4	139,246	3/4	124,174	3/4	109,102	3/4	94,022
2	2	2	2	2	213,075	2	199,145	2	184,124	2	169,076	2	154,004	2	138,932	2	123,860	2	108,788
1/4		1/4		1/4	212,896	1/4	198,832	1/4	183,811	1/4	168,762	1/4	153,690	1/4	138,618	1/4	123,546	1/4	108,474
1/2		1/2		1/2	212,717	1/2	198,519	1/2	183,498	1/2	168,448	1/2	153,376	1/2	138,304	1/2	123,232	1/2	108,159
3/4		3/4		3/4	212,538	3/4	198,206	3/4	183,185	3/4	168,134	3/4	153,062	3/4	137,990	3/4	122,918	3/4	107,845
3	3	3	3	3	212,359	3	197,893	3	182,872	3	167,820	3	152,748	3	137,676	3	122,604	3	107,531
1/4		1/4		1/4	212,128	1/4	197,580	1/4	182,559	1/4	167,506	1/4	152,434	1/4	137,362	1/4	122,290	1/4	107,217
1/2		1/2		1/2	211,896	1/2	197,267	1/2	182,246	1/2	167,192	1/2	152,120	1/2	137,048	1/2	121,976	1/2	106,903
3/4		3/4		3/4	211,665	3/4	196,954	3/4	181,933	3/4	166,878	3/4	151,806	3/4	136,734	3/4	121,662	3/4	106,589
4	4	4	4	4	211,433	4	196,641	4	181,620	4	166,564	4	151,492	4	136,420	4	121,348	4	106,274
1/4		1/4		1/4	211,153	1/4	196,328	1/4	181,308	1/4	166,250	1/4	151,178	1/4	136,106	1/4	121,034	1/4	105,960
1/2		1/2		1/2	210,873	1/2	196,015	1/2	180,995	1/2	165,936	1/2	150,864	1/2	135,792	1/2	120,720	1/2	105,646
3/4		3/4		3/4	210,593	3/4	195,702	3/4	180,682	3/4	165,622	3/4	150,550	3/4	135,478	3/4	120,406	3/4	105,332
5	5	5	5	5	210,313	5	195,389	5	180,369	5	165,308	5	150,236	5	135,164	5	120,092	5	105,018
1/4		1/4		1/4	210,007	1/4	195,077	1/4	180,056	1/4	164,994	1/4	149,922	1/4	134,850	1/4	119,778	1/4	104,704
1/2		1/2		1/2	209,702	1/2	194,764	1/2	179,743	1/2	164,680	1/2	149,608	1/2	134,536	1/2	119,464	1/2	104,390
3/4		3/4		3/4	209,396	3/4	194,451	3/4	179,430	3/4	164,366	3/4	149,294	3/4	134,222	3/4	119,150	3/4	104,075
6	6	6	6	6	209,090	6	194,138	6	179,117	6	164,052	6	148,980	6	133,908	6	118,836	6	103,761
1/4		1/4		1/4	208,781	1/4	193,825	1/4	178,804	1/4	163,738	1/4	148,666	1/4	133,594	1/4	118,522	1/4	103,447
1/2		1/2		1/2	208,471	1/2	193,512	1/2	178,491	1/2	163,424	1/2	148,352	1/2	133,280	1/2	118,208	1/2	103,133
3/4		3/4		3/4	208,162	3/4	193,199	3/4	178,178	3/4	163,110	3/4	148,038	3/4	132,966	3/4	117,894	3/4	102,819
7	7	7	7	7	207,852	7	192,886	7	177,865	7	162,796	7	147,724	7	132,652	7	117,580	7	102,505
1/4		1/4		1/4	207,542	1/4	192,573	1/4	177,552	1/4	162,482	1/4	147,410	1/4	132,338	1/4	117,266	1/4	102,190
1/2		1/2		1/2	207,232	1/2	192,260	1/2	177,238	1/2	162,168	1/2	147,096	1/2	132,024	1/2	116,952	1/2	101,876
3/4		3/4		3/4	206,922	3/4	191,947	3/4	176,925	3/4	161,854	3/4	146,782	3/4	131,710	3/4	116,638	3/4	101,562
8	8	8	8	8	206,613	8	191,634	8	176,611	8	161,540	8	146,468	8	131,396	8	116,324	8	101,248
1/4		1/4		1/4	206,303	1/4	191,321	1/4	176,297	1/4	161,226	1/4	146,154	1/4	131,082	1/4	116,010	1/4	100,934
1/2		1/2		1/2	205,993	1/2	191,008	1/2	175,983	1/2	160,912	1/2	145,840	1/2	130,768	1/2	115,696	1/2	100,620
3/4		3/4		3/4	205,683	3/4	190,696	3/4	175,669	3/4	160,598	3/4	145,526	3/4	130,454	3/4	115,382	3/4	100,305
9	9	9	9	9	205,373	9	190,383	9	175,355	9	160,284	9	145,212	9	130,140	9	115,068	9	99,991
1/4		1/4		1/4	205,063	1/4	190,070	1/4	175,041	1/4	159,970	1/4	144,898	1/4	129,826	1/4	114,754	1/4	99,677
1/2		1/2		1/2	204,753	1/2	189,757	1/2	174,727	1/2	159,656	1/2	144,584	1/2	129,512	1/2	114,440	1/2	99,363
3/4		3/4		3/4	204,443	3/4	189,444	3/4	174,413	3/4	159,342	3/4	144,270	3/4	129,198	3/4	114,126	3/4	99,049
10	10	10	10	10	204,133	10	189,131	10	174,099	10	159,028	10	143,956	10	128,884	10	113,812	10	98,735
1/4		1/4		1/4	203,823	1/4	188,818	1/4	173,785	1/4	158,714	1/4	143,642	1/4	128,570	1/4	113,498	1/4	98,421
1/2		1/2		1/2	203,513	1/2	188,505	1/2	173,471	1/2	158,400	1/2	143,328	1/2	128,256	1/2	113,184	1/2	98,106
3/4		3/4		3/4	203,203	3/4	188,192	3/4	173,157	3/4	158,086	3/4	143,014	3/4	127,942	3/4	112,870	3/4	97,792
11	11	11	11	11	202,894	11	187,879	11	172,843	11	157,772	11	142,700	11	127,628	11	112,556	11	97,478
1/4		1/4		1/4	202,582	1/4	187,566	1/4	172,529	1/4	157,458	1/4	142,386	1/4	127,314	1/4	112,242	1/4	97,164
1/2		1/2		1/2	202,271	1/2	187,253	1/2	172,215	1/2	157,144	1/2	142,072	1/2	127,000	1/2	111,928	1/2	96,850
3/4		3/4		3/4	201,960	3/4	186,940	3/4	171,901	3/4	156,830	3/4	141,758	3/4	126,686	3/4	111,614	3/4	96,536

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

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# BARGE "HSM 3032"

## 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	81,142	0	66,063	0	51,525	0	37,047	0	21,993	0	6,914	0		0		0		0	
1/4	80,828	1/4	65,754	1/4	51,223	1/4	36,738	1/4	21,679	1/4	6,600	1/4		0		0		0	1/4
1/2	80,514	1/2	65,446	1/2	50,921	1/2	36,430	1/2	21,365	1/2	6,286	1/2		0		0		0	1/2
3/4	80,200	3/4	65,138	3/4	50,619	3/4	36,122	3/4	21,051	3/4	5,972	3/4		0		0		0	3/4
1	79,885	1	64,830	1	50,317	1	35,813	1	20,737	1	5,658	1		1		1		1	
1/4	79,571	1/4	64,527	1/4	50,015	1/4	35,499	1/4	20,423	1/4	5,344	1/4		1		1		1	1/4
1/2	79,257	1/2	64,225	1/2	49,713	1/2	35,185	1/2	20,109	1/2	5,030	1/2		1		1		1	1/2
3/4	78,943	3/4	63,922	3/4	49,412	3/4	34,871	3/4	19,794	3/4	4,716	3/4		1		1		1	3/4
2	78,629	2	63,620	2	49,110	2	34,557	2	19,480	2	4,402	2		2		2		2	
1/4	78,315	1/4	63,318	1/4	48,809	1/4	34,243	1/4	19,166	1/4	4,089	1/4		2		2		2	1/4
1/2	78,000	1/2	63,015	1/2	48,507	1/2	33,929	1/2	18,852	1/2	3,776	1/2		2		2		2	1/2
3/4	77,686	3/4	62,713	3/4	48,205	3/4	33,614	3/4	18,538	3/4	3,463	3/4		2		2		2	3/4
3	77,372	3	62,411	3	47,904	3	33,300	3	18,224	3	3,150	3		3		3		3	
1/4	77,058	1/4	62,108	1/4	47,602	1/4	32,986	1/4	17,909	1/4	2,856	1/4		3		3		3	1/4
1/2	76,744	1/2	61,806	1/2	47,301	1/2	32,672	1/2	17,595	1/2	2,562	1/2		3		3		3	1/2
3/4	76,430	3/4	61,503	3/4	47,000	3/4	32,358	3/4	17,281	3/4	2,269	3/4		3		3		3	3/4
4	76,116	4	61,201	4	46,698	4	32,044	4	16,967	4	1,975	4		4		4		4	
1/4	75,801	1/4	60,899	1/4	46,397	1/4	31,730	1/4	16,653	1/4	1,739	1/4		4		4		4	1/4
1/2	75,487	1/2	60,596	1/2	46,095	1/2	31,415	1/2	16,339	1/2	1,504	1/2		4		4		4	1/2
3/4	75,173	3/4	60,294	3/4	45,794	3/4	31,101	3/4	16,025	3/4	1,268	3/4		4		4		4	3/4
5	74,859	5	59,991	5	45,492	5	30,787	5	15,710	5	1,033	5		5		5		5	
1/4	74,545	1/4	59,689	1/4	45,191	1/4	30,473	1/4	15,396	1/4		1/4		5		5		5	1/4
1/2	74,231	1/2	59,387	1/2	44,890	1/2	30,159	1/2	15,082	1/2		1/2		5		5		5	1/2
3/4	73,916	3/4	59,084	3/4	44,588	3/4	29,845	3/4	14,768	3/4		3/4		5		5		5	3/4
6	73,602	6	58,782	6	44,287	6	29,531	6	14,454	6		6		6		6		6	
1/4	73,288	1/4	58,480	1/4	43,985	1/4	29,217	1/4	14,140	1/4		1/4		6		6		6	1/4
1/2	72,974	1/2	58,177	1/2	43,684	1/2	28,903	1/2	13,826	1/2		1/2		6		6		6	1/2
3/4	72,660	3/4	57,875	3/4	43,382	3/4	28,589	3/4	13,511	3/4		3/4		6		6		6	3/4
7	72,346	7	57,572	7	43,081	7	28,275	7	13,197	7		7		7		7		7	
1/4	72,032	1/4	57,270	1/4	42,779	1/4	27,961	1/4	12,883	1/4		1/4		7		7		7	1/4
1/2	71,717	1/2	56,968	1/2	42,478	1/2	27,647	1/2	12,569	1/2		1/2		7		7		7	1/2
3/4	71,403	3/4	56,665	3/4	42,177	3/4	27,333	3/4	12,255	3/4		3/4		7		7		7	3/4
8	71,089	8	56,363	8	41,875	8	27,019	8	11,941	8		8		8		8		8	
1/4	70,775	1/4	56,061	1/4	41,574	1/4	26,705	1/4	11,627	1/4		1/4		8		8		8	1/4
1/2	70,461	1/2	55,758	1/2	41,272	1/2	26,391	1/2	11,312	1/2		1/2		8		8		8	1/2
3/4	70,147	3/4	55,456	3/4	40,971	3/4	26,077	3/4	10,998	3/4		3/4		8		8		8	3/4
9	69,832	9	55,153	9	40,669	9	25,763	9	10,684	9		9		9		9		9	
1/4	69,518	1/4	54,851	1/4	40,368	1/4	25,449	1/4	10,370	1/4		1/4		9		9		9	1/4
1/2	69,204	1/2	54,549	1/2	40,066	1/2	25,135	1/2	10,056	1/2		1/2		9		9		9	1/2
3/4	68,890	3/4	54,246	3/4	39,765	3/4	24,821	3/4	9,742	3/4		3/4		9		9		9	3/4
10	68,576	10	53,944	10	39,464	10	24,507	10	9,428	10		10		10		10		10	
1/4	68,262	1/4	53,642	1/4	39,162	1/4	24,192	1/4	9,113	1/4		1/4		10		10		10	1/4
1/2	67,948	1/2	53,339	1/2	38,860	1/2	23,878	1/2	8,799	1/2		1/2		10		10		10	1/2
3/4	67,633	3/4	53,037	3/4	38,558	3/4	23,564	3/4	8,485	3/4		3/4		10		10		10	3/4
11	67,319	11	52,734	11	38,256	11	23,250	11	8,171	11		11		11		11		11	
1/4	67,005	1/4	52,432	1/4	37,954	1/4	22,936	1/4	7,857	1/4		1/4		11		11		11	1/4
1/2	66,691	1/2	52,130	1/2	37,651	1/2	22,622	1/2	7,543	1/2		1/2		11		11		11	1/2
3/4	66,377	3/4	51,827	3/4	37,349	3/4	22,308	3/4	7,229	3/4		3/4		11		11		11	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/18/2019 CL  
CALCULATED: 12/18/2019 CL  
PRINTED: 12/19/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "HSM 3032"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-04 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	0	0	202,467	0	187,447	0	172,406	0	157,334	0	142,262	0	127,190	0	112,118	0	97,039
1/4		1/4		1/4	202,154	1/4	187,134	1/4	172,092	1/4	157,020	1/4	141,948	1/4	126,876	1/4	111,804	1/4	96,725
1/2		1/2		1/2	201,842	1/2	186,821	1/2	171,778	1/2	156,706	1/2	141,634	1/2	126,562	1/2	111,490	1/2	96,411
3/4		3/4		3/4	201,529	3/4	186,508	3/4	171,464	3/4	156,392	3/4	141,320	3/4	126,248	3/4	111,176	3/4	96,097
1	1	1	1	1	201,216	1	186,195	1	171,150	1	156,078	1	141,006	1	125,934	1	110,862	1	95,783
1/4		1/4		1/4	200,903	1/4	185,882	1/4	170,836	1/4	155,764	1/4	140,692	1/4	125,620	1/4	110,548	1/4	95,469
1/2		1/2		1/2	200,590	1/2	185,569	1/2	170,522	1/2	155,450	1/2	140,378	1/2	125,306	1/2	110,234	1/2	95,155
3/4		3/4		3/4	214,208	3/4	200,277	3/4	185,256	3/4	170,208	3/4	155,136	3/4	140,064	3/4	124,992	3/4	94,840
2	2	2	2	2	199,964	2	184,943	2	169,894	2	154,822	2	139,750	2	124,678	2	109,606	2	94,526
1/4		1/4		1/4	213,850	1/4	199,651	1/4	184,630	1/4	169,580	1/4	154,508	1/4	139,436	1/4	124,364	1/4	94,212
1/2		1/2		1/2	213,670	1/2	199,338	1/2	184,317	1/2	169,266	1/2	154,194	1/2	139,122	1/2	124,050	1/2	93,898
3/4		3/4		3/4	213,491	3/4	199,025	3/4	184,004	3/4	168,952	3/4	153,880	3/4	138,808	3/4	123,736	3/4	93,584
3	3	3	3	3	198,712	3	183,691	3	168,638	3	153,566	3	138,494	3	123,422	3	108,349	3	93,270
1/4		1/4		1/4	213,028	1/4	198,399	1/4	183,379	1/4	168,324	1/4	153,252	1/4	138,180	1/4	123,108	1/4	92,955
1/2		1/2		1/2	212,797	1/2	198,086	1/2	183,066	1/2	168,010	1/2	152,938	1/2	137,866	1/2	122,794	1/2	92,641
3/4		3/4		3/4	212,566	3/4	197,773	3/4	182,753	3/4	167,696	3/4	152,624	3/4	137,552	3/4	122,480	3/4	92,327
4	4	4	4	4	197,460	4	182,440	4	167,382	4	152,310	4	137,238	4	122,166	4	107,092	4	92,013
1/4		1/4		1/4	212,006	1/4	197,148	1/4	182,127	1/4	167,068	1/4	151,996	1/4	136,924	1/4	121,852	1/4	91,699
1/2		1/2		1/2	211,726	1/2	196,835	1/2	181,814	1/2	166,754	1/2	151,682	1/2	136,610	1/2	121,538	1/2	91,385
3/4		3/4		3/4	211,445	3/4	196,522	3/4	181,501	3/4	166,440	3/4	151,368	3/4	136,296	3/4	121,224	3/4	91,070
5	5	5	5	5	196,209	5	181,188	5	166,126	5	151,054	5	135,982	5	120,910	5	105,836	5	90,756
1/4		1/4		1/4	210,834	1/4	195,896	1/4	180,875	1/4	165,812	1/4	150,740	1/4	135,668	1/4	120,596	1/4	90,442
1/2		1/2		1/2	210,528	1/2	195,583	1/2	180,562	1/2	165,498	1/2	150,426	1/2	135,354	1/2	120,282	1/2	90,128
3/4		3/4		3/4	210,222	3/4	195,270	3/4	180,249	3/4	165,184	3/4	150,112	3/4	135,040	3/4	119,968	3/4	89,814
6	6	6	6	6	194,957	6	179,936	6	164,870	6	149,798	6	134,726	6	119,654	6	104,579	6	89,500
1/4		1/4		1/4	209,603	1/4	194,644	1/4	179,623	1/4	164,556	1/4	149,484	1/4	134,412	1/4	119,340	1/4	89,186
1/2		1/2		1/2	209,294	1/2	194,331	1/2	179,310	1/2	164,242	1/2	149,170	1/2	134,098	1/2	119,026	1/2	88,871
3/4		3/4		3/4	208,984	3/4	194,018	3/4	178,997	3/4	163,928	3/4	148,856	3/4	133,784	3/4	118,712	3/4	88,557
7	7	7	7	7	193,705	7	178,684	7	163,614	7	148,542	7	133,470	7	118,398	7	103,323	7	88,243
1/4		1/4		1/4	208,365	1/4	193,392	1/4	178,371	1/4	163,300	1/4	148,228	1/4	133,156	1/4	118,084	1/4	87,929
1/2		1/2		1/2	208,055	1/2	193,079	1/2	178,057	1/2	162,986	1/2	147,914	1/2	132,842	1/2	117,770	1/2	87,615
3/4		3/4		3/4	207,745	3/4	192,766	3/4	177,744	3/4	162,672	3/4	147,600	3/4	132,528	3/4	117,456	3/4	87,301
8	8	8	8	8	192,454	8	177,430	8	162,358	8	147,286	8	132,214	8	117,142	8	102,066	8	86,986
1/4		1/4		1/4	207,125	1/4	192,141	1/4	177,116	1/4	162,044	1/4	146,972	1/4	131,900	1/4	116,828	1/4	86,672
1/2		1/2		1/2	206,815	1/2	191,828	1/2	176,802	1/2	161,730	1/2	146,658	1/2	131,586	1/2	116,514	1/2	86,358
3/4		3/4		3/4	206,505	3/4	191,515	3/4	176,488	3/4	161,416	3/4	146,344	3/4	131,272	3/4	116,200	3/4	86,044
9	9	9	9	9	191,202	9	176,174	9	161,102	9	146,030	9	130,958	9	115,886	9	100,809	9	85,730
1/4		1/4		1/4	205,885	1/4	190,889	1/4	175,860	1/4	160,788	1/4	145,716	1/4	130,644	1/4	115,572	1/4	85,416
1/2		1/2		1/2	205,575	1/2	190,576	1/2	175,546	1/2	160,474	1/2	145,402	1/2	130,330	1/2	115,258	1/2	85,102
3/4		3/4		3/4	205,265	3/4	190,263	3/4	175,232	3/4	160,160	3/4	145,088	3/4	130,016	3/4	114,944	3/4	84,787
10	10	10	10	10	189,950	10	174,918	10	159,846	10	144,774	10	129,702	10	114,630	10	99,553	10	84,473
1/4		1/4		1/4	204,646	1/4	189,637	1/4	174,604	1/4	159,532	1/4	144,460	1/4	129,388	1/4	114,316	1/4	84,159
1/2		1/2		1/2	204,336	1/2	189,324	1/2	174,290	1/2	159,218	1/2	144,146	1/2	129,074	1/2	114,002	1/2	83,845
3/4		3/4		3/4	204,026	3/4	189,011	3/4	173,976	3/4	158,904	3/4	143,832	3/4	128,760	3/4	113,688	3/4	83,531
11	11	11	11	11	188,698	11	173,662	11	158,590	11	143,518	11	128,446	11	113,374	11	98,296	11	83,217
1/4		1/4		1/4	203,403	1/4	188,385	1/4	173,348	1/4	158,276	1/4	143,204	1/4	128,132	1/4	113,060	1/4	82,902
1/2		1/2		1/2	203,092	1/2	188,072	1/2	173,034	1/2	157,962	1/2	142,890	1/2	127,818	1/2	112,746	1/2	82,588
3/4		3/4		3/4	202,780	3/4	187,760	3/4	172,720	3/4	157,648	3/4	142,576	3/4	127,504	3/4	112,432	3/4	82,274

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 3032"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-04 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	81,960	0	66,881	0	51,801	0	36,757	0	21,680	0	6,601	0		0		0		0	
1/4	81,646	1/4	66,566	1/4	51,488	1/4	36,443	1/4	21,366	1/4	6,286	1/4		1/4		1/4		1/4	
1/2	81,332	1/2	66,252	1/2	51,174	1/2	36,129	1/2	21,052	1/2	5,972	1/2		1/2		1/2		1/2	
3/4	81,018	3/4	65,938	3/4	50,860	3/4	35,815	3/4	20,738	3/4	5,658	3/4		3/4		3/4		3/4	
1	80,703	1	65,624	1	50,547	1	35,500	1	20,423	1	5,344	1		1		1		1	
1/4	80,389	1/4	65,310	1/4	50,233	1/4	35,186	1/4	20,109	1/4	5,030	1/4		1/4		1/4		1/4	
1/2	80,075	1/2	64,996	1/2	49,920	1/2	34,872	1/2	19,795	1/2	4,717	1/2		1/2		1/2		1/2	
3/4	79,761	3/4	64,681	3/4	49,606	3/4	34,558	3/4	19,481	3/4	4,403	3/4		3/4		3/4		3/4	
2	79,447	2	64,367	2	49,293	2	34,244	2	19,167	2	4,089	2		2		2		2	
1/4	79,133	1/4	64,053	1/4	48,980	1/4	33,930	1/4	18,853	1/4	3,776	1/4		1/4		1/4		1/4	
1/2	78,818	1/2	63,739	1/2	48,666	1/2	33,616	1/2	18,538	1/2	3,463	1/2		1/2		1/2		1/2	
3/4	78,504	3/4	63,425	3/4	48,353	3/4	33,301	3/4	18,224	3/4	3,150	3/4		3/4		3/4		3/4	
3	78,190	3	63,111	3	48,040	3	32,987	3	17,910	3	2,856	3		3		3		3	
1/4	77,876	1/4	62,797	1/4	47,726	1/4	32,673	1/4	17,596	1/4	2,562	1/4		1/4		1/4		1/4	
1/2	77,562	1/2	62,482	1/2	47,413	1/2	32,359	1/2	17,282	1/2	2,269	1/2		1/2		1/2		1/2	
3/4	77,248	3/4	62,168	3/4	47,100	3/4	32,045	3/4	16,968	3/4	1,975	3/4		3/4		3/4		3/4	
4	76,934	4	61,854	4	46,787	4	31,731	4	16,654	4	1,739	4		4		4		4	
1/4	76,619	1/4	61,540	1/4	46,474	1/4	31,416	1/4	16,339	1/4	1,504	1/4		1/4		1/4		1/4	
1/2	76,305	1/2	61,226	1/2	46,160	1/2	31,102	1/2	16,025	1/2	1,268	1/2		1/2		1/2		1/2	
3/4	75,991	3/4	60,912	3/4	45,847	3/4	30,788	3/4	15,711	3/4	1,033	3/4		3/4		3/4		3/4	
5	75,677	5	60,597	5	45,534	5	30,474	5	15,397	5		5		5		5		5	
1/4	75,363	1/4	60,283	1/4	45,221	1/4	30,160	1/4	15,083	1/4		1/4		1/4		1/4		1/4	
1/2	75,049	1/2	59,969	1/2	44,907	1/2	29,846	1/2	14,769	1/2		1/2		1/2		1/2		1/2	
3/4	74,734	3/4	59,655	3/4	44,594	3/4	29,532	3/4	14,454	3/4		3/4		3/4		3/4		3/4	
6	74,420	6	59,341	6	44,281	6	29,218	6	14,140	6		6		6		6		6	
1/4	74,106	1/4	59,027	1/4	43,968	1/4	28,904	1/4	13,826	1/4		1/4		1/4		1/4		1/4	
1/2	73,792	1/2	58,713	1/2	43,655	1/2	28,590	1/2	13,512	1/2		1/2		1/2		1/2		1/2	
3/4	73,478	3/4	58,398	3/4	43,341	3/4	28,276	3/4	13,198	3/4		3/4		3/4		3/4		3/4	
7	73,164	7	58,084	7	43,028	7	27,962	7	12,884	7		7		7		7		7	
1/4	72,849	1/4	57,770	1/4	42,715	1/4	27,648	1/4	12,570	1/4		1/4		1/4		1/4		1/4	
1/2	72,535	1/2	57,456	1/2	42,402	1/2	27,334	1/2	12,255	1/2		1/2		1/2		1/2		1/2	
3/4	72,221	3/4	57,142	3/4	42,088	3/4	27,020	3/4	11,941	3/4		3/4		3/4		3/4		3/4	
8	71,907	8	56,828	8	41,775	8	26,706	8	11,627	8		8		8		8		8	
1/4	71,593	1/4	56,513	1/4	41,462	1/4	26,392	1/4	11,313	1/4		1/4		1/4		1/4		1/4	
1/2	71,279	1/2	56,199	1/2	41,149	1/2	26,078	1/2	10,999	1/2		1/2		1/2		1/2		1/2	
3/4	70,965	3/4	55,885	3/4	40,836	3/4	25,764	3/4	10,685	3/4		3/4		3/4		3/4		3/4	
9	70,650	9	55,571	9	40,522	9	25,450	9	10,370	9		9		9		9		9	
1/4	70,336	1/4	55,257	1/4	40,209	1/4	25,136	1/4	10,056	1/4		1/4		1/4		1/4		1/4	
1/2	70,022	1/2	54,943	1/2	39,896	1/2	24,822	1/2	9,742	1/2		1/2		1/2		1/2		1/2	
3/4	69,708	3/4	54,629	3/4	39,583	3/4	24,507	3/4	9,428	3/4		3/4		3/4		3/4		3/4	
10	69,394	10	54,314	10	39,269	10	24,193	10	9,114	10		10		10		10		10	
1/4	69,080	1/4	54,000	1/4	38,955	1/4	23,879	1/4	8,800	1/4		1/4		1/4		1/4		1/4	
1/2	68,765	1/2	53,686	1/2	38,642	1/2	23,565	1/2	8,486	1/2		1/2		1/2		1/2		1/2	
3/4	68,451	3/4	53,372	3/4	38,328	3/4	23,251	3/4	8,171	3/4		3/4		3/4		3/4		3/4	
11	68,137	11	53,058	11	38,014	11	22,937	11	7,857	11		11		11		11		11	
1/4	67,823	1/4	52,744	1/4	37,700	1/4	22,622	1/4	7,543	1/4		1/4		1/4		1/4		1/4	
1/2	67,509	1/2	52,429	1/2	37,385	1/2	22,308	1/2	7,229	1/2		1/2		1/2		1/2		1/2	
3/4	67,195	3/4	52,115	3/4	37,071	3/4	21,994	3/4	6,915	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/18/2019 CL  
CALCULATED: 12/18/2019 CL  
PRINTED: 12/19/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2019

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





# BARGE "HSM 3032"

## 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	81,012	0	66,111	0	51,387	0	36,821	0	21,863	0	6,878	0		0		0		0	
1/4	80,700	1/4	65,801	1/4	51,085	1/4	36,513	1/4	21,551	1/4	6,566	1/4		1/4		1/4		1/4	
1/2	80,388	1/2	65,491	1/2	50,783	1/2	36,205	1/2	21,239	1/2	6,254	1/2		1/2		1/2		1/2	
3/4	80,076	3/4	65,181	3/4	50,480	3/4	35,897	3/4	20,926	3/4	5,941	3/4		3/4		3/4		3/4	
1	79,764	1	64,871	1	50,178	1	35,590	1	20,614	1	5,629	1		1		1		1	
1/4	79,452	1/4	64,561	1/4	49,876	1/4	35,278	1/4	20,302	1/4	5,317	1/4		1/4		1/4		1/4	
1/2	79,140	1/2	64,250	1/2	49,574	1/2	34,966	1/2	19,990	1/2	5,005	1/2		1/2		1/2		1/2	
3/4	78,828	3/4	63,940	3/4	49,271	3/4	34,655	3/4	19,678	3/4	4,692	3/4		3/4		3/4		3/4	
2	78,516	2	63,630	2	48,969	2	34,343	2	19,366	2	4,380	2		2		2		2	
1/4	78,205	1/4	63,320	1/4	48,667	1/4	34,031	1/4	19,054	1/4	4,069	1/4		1/4		1/4		1/4	
1/2	77,894	1/2	63,009	1/2	48,365	1/2	33,719	1/2	18,742	1/2	3,757	1/2		1/2		1/2		1/2	
3/4	77,583	3/4	62,698	3/4	48,063	3/4	33,407	3/4	18,430	3/4	3,445	3/4		3/4		3/4		3/4	
3	77,272	3	62,387	3	47,760	3	33,095	3	18,118	3	3,134	3		3		3		3	
1/4	76,962	1/4	62,075	1/4	47,459	1/4	32,783	1/4	17,806	1/4	2,842	1/4		1/4		1/4		1/4	
1/2	76,652	1/2	61,763	1/2	47,157	1/2	32,471	1/2	17,494	1/2	2,549	1/2		1/2		1/2		1/2	
3/4	76,342	3/4	61,452	3/4	46,855	3/4	32,159	3/4	17,182	3/4	2,257	3/4		3/4		3/4		3/4	
4	76,032	4	61,140	4	46,553	4	31,847	4	16,870	4	1,965	4		4		4		4	
1/4	75,722	1/4	60,828	1/4	46,252	1/4	31,535	1/4	16,557	1/4	1,730	1/4		1/4		1/4		1/4	
1/2	75,412	1/2	60,517	1/2	45,950	1/2	31,223	1/2	16,245	1/2	1,496	1/2		1/2		1/2		1/2	
3/4	75,102	3/4	60,205	3/4	45,649	3/4	30,911	3/4	15,933	3/4	1,262	3/4		3/4		3/4		3/4	
5	74,792	5	59,893	5	45,347	5	30,599	5	15,621	5	1,027	5		5		5		5	
1/4	74,482	1/4	59,585	1/4	45,044	1/4	30,287	1/4	15,309	1/4		1/4		1/4		1/4		1/4	
1/2	74,172	1/2	59,276	1/2	44,741	1/2	29,975	1/2	14,997	1/2		1/2		1/2		1/2		1/2	
3/4	73,862	3/4	58,968	3/4	44,438	3/4	29,663	3/4	14,685	3/4		3/4		3/4		3/4		3/4	
6	73,552	6	58,659	6	44,135	6	29,351	6	14,373	6		6		6		6		6	
1/4	73,242	1/4	58,354	1/4	43,830	1/4	29,039	1/4	14,061	1/4		1/4		1/4		1/4		1/4	
1/2	72,932	1/2	58,048	1/2	43,526	1/2	28,727	1/2	13,749	1/2		1/2		1/2		1/2		1/2	
3/4	72,622	3/4	57,743	3/4	43,221	3/4	28,415	3/4	13,437	3/4		3/4		3/4		3/4		3/4	
7	72,312	7	57,438	7	42,916	7	28,103	7	13,125	7		7		7		7		7	
1/4	72,002	1/4	57,134	1/4	42,611	1/4	27,791	1/4	12,813	1/4		1/4		1/4		1/4		1/4	
1/2	71,691	1/2	56,830	1/2	42,307	1/2	27,479	1/2	12,501	1/2		1/2		1/2		1/2		1/2	
3/4	71,381	3/4	56,526	3/4	42,002	3/4	27,167	3/4	12,189	3/4		3/4		3/4		3/4		3/4	
8	71,071	8	56,222	8	41,697	8	26,856	8	11,876	8		8		8		8		8	
1/4	70,761	1/4	55,920	1/4	41,392	1/4	26,543	1/4	11,564	1/4		1/4		1/4		1/4		1/4	
1/2	70,451	1/2	55,618	1/2	41,088	1/2	26,231	1/2	11,252	1/2		1/2		1/2		1/2		1/2	
3/4	70,141	3/4	55,316	3/4	40,783	3/4	25,919	3/4	10,940	3/4		3/4		3/4		3/4		3/4	
9	69,831	9	55,013	9	40,478	9	25,607	9	10,627	9		9		9		9		9	
1/4	69,521	1/4	54,711	1/4	40,173	1/4	25,295	1/4	10,315	1/4		1/4		1/4		1/4		1/4	
1/2	69,211	1/2	54,409	1/2	39,869	1/2	24,983	1/2	10,002	1/2		1/2		1/2		1/2		1/2	
3/4	68,901	3/4	54,107	3/4	39,564	3/4	24,671	3/4	9,690	3/4		3/4		3/4		3/4		3/4	
10	68,591	10	53,805	10	39,259	10	24,359	10	9,377	10		10		10		10		10	
1/4	68,281	1/4	53,502	1/4	38,954	1/4	24,047	1/4	9,065	1/4		1/4		1/4		1/4		1/4	
1/2	67,971	1/2	53,200	1/2	38,650	1/2	23,735	1/2	8,752	1/2		1/2		1/2		1/2		1/2	
3/4	67,661	3/4	52,898	3/4	38,345	3/4	23,423	3/4	8,440	3/4		3/4		3/4		3/4		3/4	
11	67,351	11	52,596	11	38,040	11	23,111	11	8,127	11		11		11		11		11	
1/4	67,041	1/4	52,294	1/4	37,735	1/4	22,799	1/4	7,815	1/4		1/4		1/4		1/4		1/4	
1/2	66,731	1/2	51,991	1/2	37,431	1/2	22,487	1/2	7,503	1/2		1/2		1/2		1/2		1/2	
3/4	66,421	3/4	51,689	3/4	37,126	3/4	22,175	3/4	7,190	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/18/2019 CL  
CALCULATED: 12/18/2019 CL  
PRINTED: 12/19/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2019

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



# BARGE "HSM 3032"

## 3 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	185,067	0	174,738	0	164,395	0	154,029	0	141,953	0	126,958	0	111,964	0	96,954		
1/4	1/4	1/4	184,852	1/4	174,523	1/4	164,179	1/4	153,813	1/4	141,640	1/4	126,646	1/4	111,651	1/4	96,641		
1/2	1/2	1/2	184,637	1/2	174,308	1/2	163,963	1/2	153,597	1/2	141,328	1/2	126,333	1/2	111,339	1/2	96,328		
3/4	3/4	3/4	184,422	3/4	174,092	3/4	163,747	3/4	153,381	3/4	141,016	3/4	126,021	3/4	111,026	3/4	96,015		
1	1	1	184,207	1	173,877	1	163,531	1	153,165	1	140,703	1	125,709	1	110,714	1	95,703		
1/4	1/4	1/4	183,991	1/4	173,662	1/4	163,315	1/4	152,949	1/4	140,391	1/4	125,396	1/4	110,402	1/4	95,390		
1/2	1/2	1/2	183,776	1/2	173,447	1/2	163,099	1/2	152,733	1/2	140,079	1/2	125,084	1/2	110,089	1/2	95,077		
3/4	3/4	3/4	183,561	3/4	173,232	3/4	162,883	3/4	152,517	3/4	139,766	3/4	124,771	3/4	109,777	3/4	94,764		
2	2	2	192,983	2	183,346	2	173,016	2	162,667	2	152,302	2	139,454	2	124,459	2	109,464	2	94,451
1/4	1/4	1/4	192,860	1/4	183,131	1/4	172,801	1/4	162,451	1/4	152,086	1/4	139,141	1/4	124,147	1/4	109,152	1/4	94,139
1/2	1/2	1/2	192,736	1/2	182,915	1/2	172,586	1/2	162,235	1/2	151,870	1/2	138,829	1/2	123,834	1/2	108,839	1/2	93,826
3/4	3/4	3/4	192,613	3/4	182,700	3/4	172,371	3/4	162,019	3/4	151,654	3/4	138,517	3/4	123,522	3/4	108,527	3/4	93,513
3	3	3	192,489	3	182,485	3	172,156	3	161,804	3	151,438	3	138,204	3	123,210	3	108,214	3	93,200
1/4	1/4	1/4	192,329	1/4	182,270	1/4	171,941	1/4	161,588	1/4	151,222	1/4	137,892	1/4	122,897	1/4	107,902	1/4	92,887
1/2	1/2	1/2	192,170	1/2	182,055	1/2	171,725	1/2	161,372	1/2	151,006	1/2	137,579	1/2	122,585	1/2	107,589	1/2	92,575
3/4	3/4	3/4	192,010	3/4	181,839	3/4	171,510	3/4	161,156	3/4	150,790	3/4	137,267	3/4	122,272	3/4	107,276	3/4	92,262
4	4	4	191,850	4	181,624	4	171,295	4	160,940	4	150,574	4	136,955	4	121,960	4	106,964	4	91,949
1/4	1/4	1/4	191,657	1/4	181,409	1/4	171,080	1/4	160,724	1/4	150,354	1/4	136,642	1/4	121,648	1/4	106,651	1/4	91,636
1/2	1/2	1/2	191,464	1/2	181,194	1/2	170,865	1/2	160,508	1/2	150,135	1/2	136,330	1/2	121,335	1/2	106,338	1/2	91,323
3/4	3/4	3/4	191,271	3/4	180,979	3/4	170,649	3/4	160,292	3/4	149,915	3/4	136,017	3/4	121,023	3/4	106,025	3/4	91,011
5	5	5	191,078	5	180,763	5	170,434	5	160,076	5	149,696	5	135,705	5	120,710	5	105,712	5	90,698
1/4	1/4	1/4	190,867	1/4	180,548	1/4	170,219	1/4	159,860	1/4	149,465	1/4	135,393	1/4	120,398	1/4	105,400	1/4	90,385
1/2	1/2	1/2	190,655	1/2	180,333	1/2	170,004	1/2	159,644	1/2	149,234	1/2	135,080	1/2	120,086	1/2	105,087	1/2	90,072
3/4	3/4	3/4	190,444	3/4	180,118	3/4	169,789	3/4	159,428	3/4	149,002	3/4	134,768	3/4	119,773	3/4	104,774	3/4	89,759
6	6	6	190,232	6	179,903	6	169,573	6	159,212	6	148,771	6	134,456	6	119,461	6	104,461	6	89,447
1/4	1/4	1/4	190,017	1/4	179,688	1/4	169,358	1/4	158,996	1/4	148,524	1/4	134,143	1/4	119,148	1/4	104,148	1/4	89,134
1/2	1/2	1/2	189,802	1/2	179,472	1/2	169,143	1/2	158,780	1/2	148,277	1/2	133,831	1/2	118,836	1/2	103,836	1/2	88,821
3/4	3/4	3/4	189,587	3/4	179,257	3/4	168,928	3/4	158,564	3/4	148,030	3/4	133,518	3/4	118,524	3/4	103,523	3/4	88,508
7	7	7	189,372	7	179,042	7	168,713	7	158,348	7	147,782	7	133,206	7	118,211	7	103,210	7	88,195
1/4	1/4	1/4	189,157	1/4	178,827	1/4	168,497	1/4	158,132	1/4	147,519	1/4	132,894	1/4	117,899	1/4	102,897	1/4	87,883
1/2	1/2	1/2	188,942	1/2	178,612	1/2	168,281	1/2	157,916	1/2	147,256	1/2	132,581	1/2	117,587	1/2	102,584	1/2	87,570
3/4	3/4	3/4	188,726	3/4	178,396	3/4	168,066	3/4	157,700	3/4	146,993	3/4	132,269	3/4	117,274	3/4	102,272	3/4	87,257
8	8	8	188,511	8	178,181	8	167,850	8	157,484	8	146,729	8	131,956	8	116,962	8	101,959	8	86,944
1/4	1/4	1/4	188,296	1/4	177,966	1/4	167,634	1/4	157,268	1/4	146,450	1/4	131,644	1/4	116,649	1/4	101,646	1/4	86,631
1/2	1/2	1/2	188,081	1/2	177,751	1/2	167,418	1/2	157,053	1/2	146,171	1/2	131,332	1/2	116,337	1/2	101,333	1/2	86,318
3/4	3/4	3/4	187,865	3/4	177,536	3/4	167,202	3/4	156,837	3/4	145,892	3/4	131,019	3/4	116,025	3/4	101,020	3/4	86,006
9	9	9	187,650	9	177,320	9	166,986	9	156,621	9	145,613	9	130,707	9	115,712	9	100,708	9	85,693
1/4	1/4	1/4	187,435	1/4	177,105	1/4	166,771	1/4	156,405	1/4	145,317	1/4	130,394	1/4	115,400	1/4	100,395	1/4	85,380
1/2	1/2	1/2	187,219	1/2	176,890	1/2	166,555	1/2	156,189	1/2	145,022	1/2	130,082	1/2	115,087	1/2	100,082	1/2	85,067
3/4	3/4	3/4	187,004	3/4	176,675	3/4	166,339	3/4	155,973	3/4	144,727	3/4	129,770	3/4	114,775	3/4	99,769	3/4	84,754
10	10	10	186,789	10	176,460	10	166,123	10	155,757	10	144,432	10	129,457	10	114,463	10	99,456	10	84,442
1/4	1/4	1/4	186,574	1/4	176,244	1/4	165,907	1/4	155,541	1/4	144,124	1/4	129,145	1/4	114,150	1/4	99,143	1/4	84,129
1/2	1/2	1/2	186,359	1/2	176,029	1/2	165,691	1/2	155,325	1/2	143,816	1/2	128,833	1/2	113,838	1/2	98,831	1/2	83,816
3/4	3/4	3/4	186,143	3/4	175,814	3/4	165,475	3/4	155,109	3/4	143,509	3/4	128,520	3/4	113,526	3/4	98,518	3/4	83,503
11	11	11	185,928	11	175,599	11	165,259	11	154,893	11	143,201	11	128,208	11	113,213	11	98,205	11	83,190
1/4	1/4	1/4	185,713	1/4	175,384	1/4	165,043	1/4	154,677	1/4	142,889	1/4	127,895	1/4	112,901	1/4	97,892	1/4	82,878
1/2	1/2	1/2	185,498	1/2	175,168	1/2	164,827	1/2	154,461	1/2	142,577	1/2	127,583	1/2	112,588	1/2	97,579	1/2	82,565
3/4	3/4	3/4	185,283	3/4	174,953	3/4	164,611	3/4	154,245	3/4	142,265	3/4	127,271	3/4	112,276	3/4	97,267	3/4	82,252

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 3032"

## 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	81,939	0	66,925	0	51,910	0	36,910	0	21,899	0	6,885	0		0		0		0	
1/4	81,626	1/4	66,612	1/4	51,597	1/4	36,598	1/4	21,586	1/4	6,572	1/4		1/4		1/4		1/4	
1/2	81,314	1/2	66,299	1/2	51,284	1/2	36,286	1/2	21,273	1/2	6,259	1/2		1/2		1/2		1/2	
3/4	81,001	3/4	65,986	3/4	50,971	3/4	35,973	3/4	20,961	3/4	5,946	3/4		3/4		3/4		3/4	
1	80,688	1	65,673	1	50,659	1	35,661	1	20,648	1	5,634	1		1		1		1	
1/4	80,375	1/4	65,361	1/4	50,346	1/4	35,348	1/4	20,335	1/4	5,321	1/4		1/4		1/4		1/4	
1/2	80,062	1/2	65,048	1/2	50,033	1/2	35,036	1/2	20,022	1/2	5,009	1/2		1/2		1/2		1/2	
3/4	79,750	3/4	64,735	3/4	49,720	3/4	34,723	3/4	19,709	3/4	4,696	3/4		3/4		3/4		3/4	
2	79,437	2	64,422	2	49,407	2	34,411	2	19,397	2	4,384	2		2		2		2	
1/4	79,124	1/4	64,109	1/4	49,095	1/4	34,098	1/4	19,084	1/4	4,072	1/4		1/4		1/4		1/4	
1/2	78,811	1/2	63,797	1/2	48,782	1/2	33,785	1/2	18,771	1/2	3,760	1/2		1/2		1/2		1/2	
3/4	78,498	3/4	63,484	3/4	48,469	3/4	33,472	3/4	18,458	3/4	3,448	3/4		3/4		3/4		3/4	
3	78,186	3	63,171	3	48,156	3	33,160	3	18,145	3	3,136	3		3		3		3	
1/4	77,873	1/4	62,858	1/4	47,844	1/4	32,847	1/4	17,833	1/4	2,844	1/4		1/4		1/4		1/4	
1/2	77,560	1/2	62,545	1/2	47,531	1/2	32,534	1/2	17,520	1/2	2,551	1/2		1/2		1/2		1/2	
3/4	77,247	3/4	62,232	3/4	47,218	3/4	32,221	3/4	17,207	3/4	2,259	3/4		3/4		3/4		3/4	
4	76,934	4	61,920	4	46,906	4	31,908	4	16,894	4	1,966	4		4		4		4	
1/4	76,622	1/4	61,607	1/4	46,593	1/4	31,596	1/4	16,581	1/4	1,732	1/4		1/4		1/4		1/4	
1/2	76,309	1/2	61,294	1/2	46,280	1/2	31,283	1/2	16,269	1/2	1,497	1/2		1/2		1/2		1/2	
3/4	75,996	3/4	60,981	3/4	45,968	3/4	30,970	3/4	15,956	3/4	1,263	3/4		3/4		3/4		3/4	
5	75,683	5	60,668	5	45,655	5	30,657	5	15,643	5	1,028	5		5		5		5	
1/4	75,370	1/4	60,356	1/4	45,343	1/4	30,344	1/4	15,330	1/4		1/4		1/4		1/4		1/4	
1/2	75,057	1/2	60,043	1/2	45,031	1/2	30,032	1/2	15,017	1/2		1/2		1/2		1/2		1/2	
3/4	74,745	3/4	59,730	3/4	44,718	3/4	29,719	3/4	14,705	3/4		3/4		3/4		3/4		3/4	
6	74,432	6	59,417	6	44,406	6	29,406	6	14,392	6		6		6		6		6	
1/4	74,119	1/4	59,104	1/4	44,093	1/4	29,093	1/4	14,079	1/4		1/4		1/4		1/4		1/4	
1/2	73,806	1/2	58,792	1/2	43,781	1/2	28,781	1/2	13,766	1/2		1/2		1/2		1/2		1/2	
3/4	73,493	3/4	58,479	3/4	43,469	3/4	28,468	3/4	13,454	3/4		3/4		3/4		3/4		3/4	
7	73,181	7	58,166	7	43,156	7	28,155	7	13,141	7		7		7		7		7	
1/4	72,868	1/4	57,853	1/4	42,844	1/4	27,842	1/4	12,828	1/4		1/4		1/4		1/4		1/4	
1/2	72,555	1/2	57,540	1/2	42,532	1/2	27,529	1/2	12,515	1/2		1/2		1/2		1/2		1/2	
3/4	72,242	3/4	57,228	3/4	42,220	3/4	27,217	3/4	12,202	3/4		3/4		3/4		3/4		3/4	
8	71,929	8	56,915	8	41,907	8	26,904	8	11,890	8		8		8		8		8	
1/4	71,617	1/4	56,602	1/4	41,595	1/4	26,591	1/4	11,577	1/4		1/4		1/4		1/4		1/4	
1/2	71,304	1/2	56,289	1/2	41,283	1/2	26,278	1/2	11,264	1/2		1/2		1/2		1/2		1/2	
3/4	70,991	3/4	55,976	3/4	40,970	3/4	25,965	3/4	10,951	3/4		3/4		3/4		3/4		3/4	
9	70,678	9	55,664	9	40,658	9	25,653	9	10,638	9		9		9		9		9	
1/4	70,365	1/4	55,351	1/4	40,346	1/4	25,340	1/4	10,326	1/4		1/4		1/4		1/4		1/4	
1/2	70,053	1/2	55,038	1/2	40,033	1/2	25,027	1/2	10,013	1/2		1/2		1/2		1/2		1/2	
3/4	69,740	3/4	54,725	3/4	39,721	3/4	24,714	3/4	9,700	3/4		3/4		3/4		3/4		3/4	
10	69,427	10	54,412	10	39,409	10	24,401	10	9,387	10		10		10		10		10	
1/4	69,114	1/4	54,100	1/4	39,096	1/4	24,089	1/4	9,074	1/4		1/4		1/4		1/4		1/4	
1/2	68,801	1/2	53,787	1/2	38,784	1/2	23,776	1/2	8,762	1/2		1/2		1/2		1/2		1/2	
3/4	68,489	3/4	53,474	3/4	38,472	3/4	23,463	3/4	8,449	3/4		3/4		3/4		3/4		3/4	
11	68,176	11	53,161	11	38,160	11	23,150	11	8,136	11		11		11		11		11	
1/4	67,863	1/4	52,848	1/4	37,847	1/4	22,837	1/4	7,823	1/4		1/4		1/4		1/4		1/4	
1/2	67,550	1/2	52,536	1/2	37,535	1/2	22,525	1/2	7,510	1/2		1/2		1/2		1/2		1/2	
3/4	67,237	3/4	52,223	3/4	37,223	3/4	22,212	3/4	7,198	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/18/2019 CL  
CALCULATED: 12/18/2019 CL  
PRINTED: 12/19/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2019

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



# BARGE "HSM 3032"

## PORT SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-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	4,306	0	3,151	0	1,997	0	842	0		0		0		0	
1/4		1/4		1/4	4,282	1/4	3,127	1/4	1,973	1/4	818	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,258	1/2	3,103	1/2	1,949	1/2	794	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,234	3/4	3,079	3/4	1,925	3/4	770	3/4		3/4		3/4		3/4	
1		1		1	4,210	1	3,054	1	1,901	1	746	1		1		1		1	
1/4		1/4		1/4	4,185	1/4	3,030	1/4	1,877	1/4	722	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,161	1/2	3,006	1/2	1,853	1/2	698	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,137	3/4	2,982	3/4	1,829	3/4	674	3/4		3/4		3/4		3/4	
2		2		2	4,113	2	2,958	2	1,805	2	650	2		2		2		2	
1/4		1/4		1/4	4,089	1/4	2,934	1/4	1,780	1/4	626	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,065	1/2	2,910	1/2	1,756	1/2	602	1/2		1/2		1/2		1/2	
3/4		3/4	5,140	3/4	4,041	3/4	2,886	3/4	1,732	3/4	578	3/4		3/4		3/4		3/4	
3		3	5,128	3	4,017	3	2,862	3	1,708	3	553	3		3		3		3	
1/4		1/4	5,117	1/4	3,993	1/4	2,838	1/4	1,684	1/4	529	1/4		1/4		1/4		1/4	
1/2		1/2	5,105	1/2	3,969	1/2	2,814	1/2	1,660	1/2	505	1/2		1/2		1/2		1/2	
3/4		3/4	5,093	3/4	3,945	3/4	2,790	3/4	1,636	3/4	481	3/4		3/4		3/4		3/4	
4		4	5,070	4	3,921	4	2,766	4	1,612	4	457	4		4		4		4	
1/4		1/4	5,046	1/4	3,897	1/4	2,742	1/4	1,588	1/4	433	1/4		1/4		1/4		1/4	
1/2		1/2	5,023	1/2	3,873	1/2	2,718	1/2	1,564	1/2	409	1/2		1/2		1/2		1/2	
3/4		3/4	4,999	3/4	3,849	3/4	2,694	3/4	1,540	3/4	385	3/4		3/4		3/4		3/4	
5		5	4,975	5	3,825	5	2,670	5	1,516	5	361	5		5		5		5	
1/4		1/4	4,952	1/4	3,800	1/4	2,646	1/4	1,492	1/4	337	1/4		1/4		1/4		1/4	
1/2		1/2	4,928	1/2	3,776	1/2	2,622	1/2	1,468	1/2	313	1/2		1/2		1/2		1/2	
3/4		3/4	4,904	3/4	3,752	3/4	2,597	3/4	1,444	3/4	289	3/4		3/4		3/4		3/4	
6		6	4,881	6	3,728	6	2,574	6	1,419	6	265	6		6		6		6	
1/4		1/4	4,857	1/4	3,704	1/4	2,550	1/4	1,395	1/4	241	1/4		1/4		1/4		1/4	
1/2		1/2	4,833	1/2	3,680	1/2	2,526	1/2	1,371	1/2	217	1/2		1/2		1/2		1/2	
3/4		3/4	4,810	3/4	3,656	3/4	2,502	3/4	1,347	3/4	193	3/4		3/4		3/4		3/4	
7		7	4,786	7	3,632	7	2,478	7	1,323	7	168	7		7		7		7	
1/4		1/4	4,762	1/4	3,608	1/4	2,454	1/4	1,299	1/4	144	1/4		1/4		1/4		1/4	
1/2		1/2	4,739	1/2	3,584	1/2	2,430	1/2	1,275	1/2	120	1/2		1/2		1/2		1/2	
3/4		3/4	4,715	3/4	3,560	3/4	2,406	3/4	1,251	3/4	96	3/4		3/4		3/4		3/4	
8		8	4,691	8	3,536	8	2,382	8	1,227	8		8		8		8		8	
1/4		1/4	4,667	1/4	3,512	1/4	2,358	1/4	1,203	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,643	1/2	3,488	1/2	2,334	1/2	1,179	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,619	3/4	3,464	3/4	2,310	3/4	1,155	3/4		3/4		3/4		3/4		3/4	
9		9	4,595	9	3,440	9	2,286	9	1,131	9		9		9		9		9	
1/4		1/4	4,570	1/4	3,415	1/4	2,262	1/4	1,107	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,546	1/2	3,391	1/2	2,238	1/2	1,083	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,522	3/4	3,367	3/4	2,214	3/4	1,059	3/4		3/4		3/4		3/4		3/4	
10		10	4,498	10	3,343	10	2,190	10	1,035	10		10		10		10		10	
1/4		1/4	4,474	1/4	3,319	1/4	2,165	1/4	1,011	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,450	1/2	3,295	1/2	2,141	1/2	987	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,426	3/4	3,271	3/4	2,117	3/4	963	3/4		3/4		3/4		3/4		3/4	
11		11	4,402	11	3,247	11	2,093	11	938	11		11		11		11		11	
1/4		1/4	4,378	1/4	3,223	1/4	2,069	1/4	914	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,354	1/2	3,199	1/2	2,045	1/2	890	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,330	3/4	3,175	3/4	2,021	3/4	866	3/4		3/4		3/4		3/4		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: 12/18/2019 CL  
CALCULATED: 12/18/2019 CL  
PRINTED: 12/19/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2019

PRECISION MEASUREMENT  
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P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "HSM 3032"

## 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	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

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