



# BARGE "HSM 3005"

## ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 238'-06"

November 23, 2016

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

<http://www.pmacorp.net>



# BARGE "HSM 3005"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 05 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	200,369	0	185,378	0	170,370	0	155,333	0	140,296	0	125,259	0	110,222	0	95,180
1/4		1/4		1/4	200,058	1/4	185,066	1/4	170,057	1/4	155,020	1/4	139,983	1/4	124,946	1/4	109,909	1/4	94,866
1/2		1/2		1/2	199,747	1/2	184,753	1/2	169,744	1/2	154,707	1/2	139,670	1/2	124,633	1/2	109,596	1/2	94,553
3/4		3/4		3/4	199,434	3/4	184,441	3/4	169,431	3/4	154,393	3/4	139,356	3/4	124,319	3/4	109,282	3/4	94,240
1		1		1	199,122	1	184,129	1	169,117	1	154,080	1	139,043	1	124,006	1	108,969	1	93,926
1/4		1/4		1/4	198,810	1/4	183,816	1/4	168,804	1/4	153,767	1/4	138,730	1/4	123,693	1/4	108,656	1/4	93,613
1/2		1/2		1/2	198,497	1/2	183,504	1/2	168,491	1/2	153,454	1/2	138,417	1/2	123,380	1/2	108,343	1/2	93,299
3/4		3/4		3/4	198,185	3/4	183,192	3/4	168,177	3/4	153,140	3/4	138,103	3/4	123,066	3/4	108,029	3/4	92,986
2		2		2	197,872	2	182,879	2	167,864	2	152,827	2	137,790	2	122,753	2	107,716	2	92,672
1/4		1/4		1/4	197,560	1/4	182,567	1/4	167,551	1/4	152,514	1/4	137,477	1/4	122,440	1/4	107,403	1/4	92,359
1/2		1/2	211,189	1/2	197,248	1/2	182,255	1/2	167,238	1/2	152,201	1/2	137,164	1/2	122,127	1/2	107,089	1/2	92,046
3/4		3/4	211,009	3/4	196,935	3/4	181,942	3/4	166,924	3/4	151,887	3/4	136,850	3/4	121,813	3/4	106,776	3/4	91,732
3		3	210,829	3	196,623	3	181,630	3	166,611	3	151,574	3	136,537	3	121,500	3	106,462	3	91,419
1/4		1/4	210,650	1/4	196,311	1/4	181,317	1/4	166,298	1/4	151,261	1/4	136,224	1/4	121,187	1/4	106,149	1/4	91,105
1/2		1/2	210,470	1/2	195,998	1/2	181,005	1/2	165,985	1/2	150,948	1/2	135,910	1/2	120,873	1/2	105,836	1/2	90,792
3/4		3/4	210,238	3/4	195,686	3/4	180,693	3/4	165,671	3/4	150,634	3/4	135,597	3/4	120,560	3/4	105,522	3/4	90,479
4		4	210,006	4	195,374	4	180,380	4	165,358	4	150,321	4	135,284	4	120,247	4	105,209	4	90,165
1/4		1/4	209,774	1/4	195,061	1/4	180,068	1/4	165,045	1/4	150,008	1/4	134,971	1/4	119,934	1/4	104,895	1/4	89,852
1/2		1/2	209,542	1/2	194,749	1/2	179,756	1/2	164,731	1/2	149,694	1/2	134,657	1/2	119,620	1/2	104,582	1/2	89,538
3/4		3/4	209,262	3/4	194,437	3/4	179,443	3/4	164,418	3/4	149,381	3/4	134,344	3/4	119,307	3/4	104,269	3/4	89,225
5		5	208,981	5	194,124	5	179,131	5	164,105	5	149,068	5	134,031	5	118,994	5	103,955	5	88,912
1/4		1/4	208,701	1/4	193,812	1/4	178,819	1/4	163,792	1/4	148,755	1/4	133,718	1/4	118,681	1/4	103,642	1/4	88,598
1/2		1/2	208,420	1/2	193,499	1/2	178,506	1/2	163,478	1/2	148,441	1/2	133,404	1/2	118,367	1/2	103,328	1/2	88,285
3/4		3/4	208,114	3/4	193,187	3/4	178,194	3/4	163,165	3/4	148,128	3/4	133,091	3/4	118,054	3/4	103,015	3/4	87,971
6		6	207,808	6	192,875	6	177,882	6	162,852	6	147,815	6	132,778	6	117,741	6	102,702	6	87,658
1/4		1/4	207,502	1/4	192,562	1/4	177,569	1/4	162,539	1/4	147,502	1/4	132,464	1/4	117,427	1/4	102,388	1/4	87,345
1/2		1/2	207,196	1/2	192,250	1/2	177,257	1/2	162,225	1/2	147,188	1/2	132,151	1/2	117,114	1/2	102,075	1/2	87,031
3/4		3/4	206,886	3/4	191,938	3/4	176,944	3/4	161,912	3/4	146,875	3/4	131,838	3/4	116,801	3/4	101,761	3/4	86,718
7		7	206,576	7	191,625	7	176,632	7	161,599	7	146,562	7	131,525	7	116,488	7	101,448	7	86,404
1/4		1/4	206,266	1/4	191,313	1/4	176,320	1/4	161,285	1/4	146,248	1/4	131,211	1/4	116,174	1/4	101,134	1/4	86,091
1/2		1/2	205,956	1/2	191,001	1/2	176,007	1/2	160,972	1/2	145,935	1/2	130,898	1/2	115,861	1/2	100,821	1/2	85,778
3/4		3/4	205,646	3/4	190,688	3/4	175,695	3/4	160,659	3/4	145,622	3/4	130,585	3/4	115,548	3/4	100,508	3/4	85,464
8		8	205,336	8	190,376	8	175,382	8	160,346	8	145,309	8	130,272	8	115,235	8	100,194	8	85,151
1/4		1/4	205,025	1/4	190,064	1/4	175,069	1/4	160,032	1/4	144,995	1/4	129,958	1/4	114,921	1/4	99,881	1/4	84,837
1/2		1/2	204,715	1/2	189,751	1/2	174,756	1/2	159,719	1/2	144,682	1/2	129,645	1/2	114,608	1/2	99,567	1/2	84,524
3/4		3/4	204,405	3/4	189,439	3/4	174,443	3/4	159,406	3/4	144,369	3/4	129,332	3/4	114,295	3/4	99,254	3/4	84,210
9		9	204,094	9	189,126	9	174,130	9	159,093	9	144,056	9	129,018	9	113,981	9	98,941	9	83,897
1/4		1/4	203,784	1/4	188,814	1/4	173,816	1/4	158,779	1/4	143,742	1/4	128,705	1/4	113,668	1/4	98,627	1/4	83,584
1/2		1/2	203,474	1/2	188,502	1/2	173,503	1/2	158,466	1/2	143,429	1/2	128,392	1/2	113,355	1/2	98,314	1/2	83,270
3/4		3/4	203,163	3/4	188,189	3/4	173,190	3/4	158,153	3/4	143,116	3/4	128,079	3/4	113,042	3/4	98,000	3/4	82,957
10		10	202,853	10	187,877	10	172,877	10	157,839	10	142,802	10	127,765	10	112,728	10	97,687	10	82,643
1/4		1/4	202,543	1/4	187,565	1/4	172,563	1/4	157,526	1/4	142,489	1/4	127,452	1/4	112,415	1/4	97,374	1/4	82,330
1/2		1/2	202,233	1/2	187,252	1/2	172,250	1/2	157,213	1/2	142,176	1/2	127,139	1/2	112,102	1/2	97,060	1/2	82,017
3/4		3/4	201,922	3/4	186,940	3/4	171,937	3/4	156,900	3/4	141,863	3/4	126,826	3/4	111,789	3/4	96,747	3/4	81,703
11		11	201,612	11	186,628	11	171,623	11	156,586	11	141,549	11	126,512	11	111,475	11	96,433	11	81,390
1/4		1/4	201,302	1/4	186,315	1/4	171,310	1/4	156,273	1/4	141,236	1/4	126,199	1/4	111,162	1/4	96,120	1/4	81,076
1/2		1/2	200,992	1/2	186,003	1/2	170,997	1/2	155,960	1/2	140,923	1/2	125,886	1/2	110,849	1/2	95,807	1/2	80,763
3/4		3/4	200,680	3/4	185,690	3/4	170,684	3/4	155,647	3/4	140,610	3/4	125,573	3/4	110,535	3/4	95,493	3/4	80,450

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

PRECISION MEASUREMENT  
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# BARGE "HSM 3005"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 05 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	80,136	0	65,093	0	50,148	0	35,111	0	20,068	0	5,800	0		0		0		0	
1/4	79,823	1/4	64,780	1/4	49,836	1/4	34,797	1/4	19,754	1/4	5,525	1/4		1/4		1/4		1/4	
1/2	79,509	1/2	64,467	1/2	49,524	1/2	34,484	1/2	19,441	1/2	5,250	1/2		1/2		1/2		1/2	
3/4	79,196	3/4	64,154	3/4	49,211	3/4	34,171	3/4	19,127	3/4	4,979	3/4		3/4		3/4		3/4	
1	78,883	1	63,842	1	48,899	1	33,857	1	18,814	1	4,709	1		1		1		1	
1/4	78,569	1/4	63,530	1/4	48,586	1/4	33,544	1/4	18,501	1/4	4,438	1/4		1/4		1/4		1/4	
1/2	78,256	1/2	63,218	1/2	48,273	1/2	33,230	1/2	18,187	1/2	4,167	1/2		1/2		1/2		1/2	
3/4	77,942	3/4	62,907	3/4	47,960	3/4	32,917	3/4	17,875	3/4	3,900	3/4		3/4		3/4		3/4	
2	77,629	2	62,596	2	47,647	2	32,604	2	17,562	2	3,633	2		2		2		2	
1/4	77,316	1/4	62,284	1/4	47,333	1/4	32,290	1/4	17,250	1/4	3,366	1/4		1/4		1/4		1/4	
1/2	77,002	1/2	61,973	1/2	47,020	1/2	31,977	1/2	16,938	1/2	3,099	1/2		1/2		1/2		1/2	
3/4	76,689	3/4	61,662	3/4	46,706	3/4	31,663	3/4	16,628	3/4	2,837	3/4		3/4		3/4		3/4	
3	76,375	3	61,351	3	46,393	3	31,350	3	16,318	3	2,575	3		3		3		3	
1/4	76,062	1/4	61,040	1/4	46,080	1/4	31,037	1/4	16,009	1/4	2,312	1/4		1/4		1/4		1/4	
1/2	75,748	1/2	60,729	1/2	45,766	1/2	30,723	1/2	15,699	1/2	2,050	1/2		1/2		1/2		1/2	
3/4	75,435	3/4	60,418	3/4	45,453	3/4	30,410	3/4	15,394	3/4	1,811	3/4		3/4		3/4		3/4	
4	75,122	4	60,107	4	45,139	4	30,096	4	15,088	4	1,572	4		4		4		4	
1/4	74,808	1/4	59,796	1/4	44,826	1/4	29,783	1/4	14,782	1/4	1,333	1/4		1/4		1/4		1/4	
1/2	74,495	1/2	59,485	1/2	44,513	1/2	29,470	1/2	14,477	1/2	1,094	1/2		1/2		1/2		1/2	
3/4	74,181	3/4	59,174	3/4	44,199	3/4	29,156	3/4	14,175	3/4	917	3/4		3/4		3/4		3/4	
5	73,868	5	58,863	5	43,886	5	28,843	5	13,873	5	740	5		5		5		5	
1/4	73,555	1/4	58,552	1/4	43,572	1/4	28,529	1/4	13,571	1/4	563	1/4		1/4		1/4		1/4	
1/2	73,241	1/2	58,240	1/2	43,259	1/2	28,216	1/2	13,269	1/2	386	1/2		1/2		1/2		1/2	
3/4	72,928	3/4	57,929	3/4	42,946	3/4	27,903	3/4	12,971	3/4		3/4		3/4		3/4		3/4	
6	72,614	6	57,618	6	42,632	6	27,589	6	12,673	6		6		6		6		6	
1/4	72,301	1/4	57,307	1/4	42,319	1/4	27,276	1/4	12,375	1/4		1/4		1/4		1/4		1/4	
1/2	71,988	1/2	56,996	1/2	42,006	1/2	26,962	1/2	12,077	1/2		1/2		1/2		1/2		1/2	
3/4	71,674	3/4	56,685	3/4	41,692	3/4	26,649	3/4	11,783	3/4		3/4		3/4		3/4		3/4	
7	71,361	7	56,374	7	41,379	7	26,336	7	11,489	7		7		7		7		7	
1/4	71,047	1/4	56,063	1/4	41,065	1/4	26,022	1/4	11,195	1/4		1/4		1/4		1/4		1/4	
1/2	70,734	1/2	55,752	1/2	40,752	1/2	25,709	1/2	10,901	1/2		1/2		1/2		1/2		1/2	
3/4	70,421	3/4	55,441	3/4	40,439	3/4	25,395	3/4	10,611	3/4		3/4		3/4		3/4		3/4	
8	70,107	8	55,130	8	40,125	8	25,082	8	10,321	8		8		8		8		8	
1/4	69,794	1/4	54,819	1/4	39,812	1/4	24,769	1/4	10,030	1/4		1/4		1/4		1/4		1/4	
1/2	69,480	1/2	54,508	1/2	39,498	1/2	24,455	1/2	9,740	1/2		1/2		1/2		1/2		1/2	
3/4	69,167	3/4	54,197	3/4	39,185	3/4	24,142	3/4	9,454	3/4		3/4		3/4		3/4		3/4	
9	68,854	9	53,886	9	38,872	9	23,828	9	9,167	9		9		9		9		9	
1/4	68,540	1/4	53,575	1/4	38,558	1/4	23,515	1/4	8,881	1/4		1/4		1/4		1/4		1/4	
1/2	68,227	1/2	53,264	1/2	38,245	1/2	23,202	1/2	8,594	1/2		1/2		1/2		1/2		1/2	
3/4	67,913	3/4	52,953	3/4	37,931	3/4	22,888	3/4	8,312	3/4		3/4		3/4		3/4		3/4	
10	67,600	10	52,641	10	37,618	10	22,575	10	8,029	10		10		10		10		10	
1/4	67,286	1/4	52,330	1/4	37,305	1/4	22,261	1/4	7,747	1/4		1/4		1/4		1/4		1/4	
1/2	66,973	1/2	52,019	1/2	36,991	1/2	21,948	1/2	7,464	1/2		1/2		1/2		1/2		1/2	
3/4	66,660	3/4	51,707	3/4	36,678	3/4	21,635	3/4	7,186	3/4		3/4		3/4		3/4		3/4	
11	66,346	11	51,395	11	36,364	11	21,321	11	6,907	11		11		11		11		11	
1/4	66,033	1/4	51,084	1/4	36,051	1/4	21,008	1/4	6,628	1/4		1/4		1/4		1/4		1/4	
1/2	65,719	1/2	50,772	1/2	35,738	1/2	20,694	1/2	6,350	1/2		1/2		1/2		1/2		1/2	
3/4	65,406	3/4	50,460	3/4	35,424	3/4	20,381	3/4	6,075	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/21/2016 SW  
CALCULATED: 11/22/2016 CL  
PRINTED: 11/25/2016 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2016

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



# BARGE "HSM 3005"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 05 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	200,153	0	185,161	0	170,152	0	155,115	0	140,078	0	125,041	0	110,005	0	94,962
1/4		1/4		1/4	199,842	1/4	184,849	1/4	169,839	1/4	154,802	1/4	139,765	1/4	124,728	1/4	109,691	1/4	94,649
1/2		1/2		1/2	199,529	1/2	184,536	1/2	169,526	1/2	154,489	1/2	139,452	1/2	124,415	1/2	109,378	1/2	94,336
3/4		3/4		3/4	199,217	3/4	184,224	3/4	169,212	3/4	154,175	3/4	139,138	3/4	124,102	3/4	109,065	3/4	94,022
1		1		1	198,905	1	183,911	1	168,899	1	153,862	1	138,825	1	123,788	1	108,752	1	93,709
1/4		1/4		1/4	198,592	1/4	183,599	1/4	168,586	1/4	153,549	1/4	138,512	1/4	123,475	1/4	108,438	1/4	93,395
1/2		1/2		1/2	198,280	1/2	183,287	1/2	168,273	1/2	153,236	1/2	138,199	1/2	123,162	1/2	108,125	1/2	93,082
3/4		3/4		3/4	197,967	3/4	182,974	3/4	167,959	3/4	152,922	3/4	137,885	3/4	122,849	3/4	107,812	3/4	92,769
2		2		2	197,655	2	182,662	2	167,646	2	152,609	2	137,572	2	122,535	2	107,498	2	92,455
1/4		1/4		1/4	211,284	1/4	197,343	1/4	182,350	1/4	167,333	1/4	152,296	1/4	137,259	1/4	122,222	1/4	107,185
1/2		1/2		1/2	211,104	1/2	197,030	1/2	182,037	1/2	167,020	1/2	151,983	1/2	136,946	1/2	121,909	1/2	106,872
3/4		3/4		3/4	210,924	3/4	196,718	3/4	181,725	3/4	166,706	3/4	151,669	3/4	136,632	3/4	121,596	3/4	106,558
3		3		3	210,745	3	196,406	3	181,413	3	166,393	3	151,356	3	136,319	3	121,282	3	106,245
1/4		1/4		1/4	210,565	1/4	196,093	1/4	181,100	1/4	166,080	1/4	151,043	1/4	136,006	1/4	120,969	1/4	105,931
1/2		1/2		1/2	210,333	1/2	195,781	1/2	180,788	1/2	165,766	1/2	150,729	1/2	135,692	1/2	120,656	1/2	105,618
3/4		3/4		3/4	210,101	3/4	195,469	3/4	180,476	3/4	165,453	3/4	150,416	3/4	135,379	3/4	120,342	3/4	105,305
4		4		4	209,869	4	195,156	4	180,163	4	165,140	4	150,103	4	135,066	4	120,029	4	104,991
1/4		1/4		1/4	209,637	1/4	194,844	1/4	179,851	1/4	164,827	1/4	149,790	1/4	134,753	1/4	119,716	1/4	104,678
1/2		1/2		1/2	209,357	1/2	194,532	1/2	179,538	1/2	164,513	1/2	149,476	1/2	134,439	1/2	119,403	1/2	104,364
3/4		3/4		3/4	209,076	3/4	194,219	3/4	179,226	3/4	164,200	3/4	149,163	3/4	134,126	3/4	119,089	3/4	104,051
5		5		5	208,796	5	193,907	5	178,914	5	163,887	5	148,850	5	133,813	5	118,776	5	103,738
1/4		1/4		1/4	208,515	1/4	193,594	1/4	178,601	1/4	163,574	1/4	148,537	1/4	133,500	1/4	118,463	1/4	103,424
1/2		1/2		1/2	208,209	1/2	193,282	1/2	178,289	1/2	163,260	1/2	148,223	1/2	133,186	1/2	118,150	1/2	103,111
3/4		3/4		3/4	207,903	3/4	192,970	3/4	177,977	3/4	162,947	3/4	147,910	3/4	132,873	3/4	117,836	3/4	102,797
6		6		6	207,597	6	192,657	6	177,664	6	162,634	6	147,597	6	132,560	6	117,523	6	102,484
1/4		1/4		1/4	207,291	1/4	192,345	1/4	177,352	1/4	162,320	1/4	147,283	1/4	132,247	1/4	117,210	1/4	102,171
1/2		1/2		1/2	206,981	1/2	192,033	1/2	177,040	1/2	162,007	1/2	146,970	1/2	131,933	1/2	116,897	1/2	101,857
3/4		3/4		3/4	206,671	3/4	191,720	3/4	176,727	3/4	161,694	3/4	146,657	3/4	131,620	3/4	116,583	3/4	101,544
7		7		7	206,361	7	191,408	7	176,415	7	161,381	7	146,344	7	131,307	7	116,270	7	101,230
1/4		1/4		1/4	206,051	1/4	191,096	1/4	176,103	1/4	161,067	1/4	146,030	1/4	130,993	1/4	115,957	1/4	100,917
1/2		1/2		1/2	205,741	1/2	190,783	1/2	175,790	1/2	160,754	1/2	145,717	1/2	130,680	1/2	115,643	1/2	100,604
3/4		3/4		3/4	205,431	3/4	190,471	3/4	175,477	3/4	160,441	3/4	145,404	3/4	130,367	3/4	115,330	3/4	100,290
8		8		8	205,120	8	190,159	8	175,164	8	160,128	8	145,091	8	130,054	8	115,017	8	99,977
1/4		1/4		1/4	204,810	1/4	189,846	1/4	174,851	1/4	159,814	1/4	144,777	1/4	129,740	1/4	114,704	1/4	99,663
1/2		1/2		1/2	204,500	1/2	189,534	1/2	174,538	1/2	159,501	1/2	144,464	1/2	129,427	1/2	114,390	1/2	99,350
3/4		3/4		3/4	204,189	3/4	189,221	3/4	174,225	3/4	159,188	3/4	144,151	3/4	129,114	3/4	114,077	3/4	99,037
9		9		9	203,879	9	188,909	9	173,911	9	158,874	9	143,837	9	128,801	9	113,764	9	98,723
1/4		1/4		1/4	203,569	1/4	188,597	1/4	173,598	1/4	158,561	1/4	143,524	1/4	128,487	1/4	113,451	1/4	98,410
1/2		1/2		1/2	203,258	1/2	188,284	1/2	173,285	1/2	158,248	1/2	143,211	1/2	128,174	1/2	113,137	1/2	98,096
3/4		3/4		3/4	202,948	3/4	187,972	3/4	172,972	3/4	157,935	3/4	142,898	3/4	127,861	3/4	112,824	3/4	97,783
10		10		10	202,638	10	187,660	10	172,658	10	157,621	10	142,584	10	127,548	10	112,511	10	97,470
1/4		1/4		1/4	202,328	1/4	187,347	1/4	172,345	1/4	157,308	1/4	142,271	1/4	127,234	1/4	112,198	1/4	97,156
1/2		1/2		1/2	202,017	1/2	187,035	1/2	172,032	1/2	156,995	1/2	141,958	1/2	126,921	1/2	111,884	1/2	96,843
3/4		3/4		3/4	201,707	3/4	186,723	3/4	171,719	3/4	156,682	3/4	141,645	3/4	126,608	3/4	111,571	3/4	96,529
11		11		11	201,397	11	186,410	11	171,405	11	156,368	11	141,331	11	126,295	11	111,258	11	96,216
1/4		1/4		1/4	201,087	1/4	186,098	1/4	171,092	1/4	156,055	1/4	141,018	1/4	125,981	1/4	110,945	1/4	95,903
1/2		1/2		1/2	200,775	1/2	185,786	1/2	170,779	1/2	155,742	1/2	140,705	1/2	125,668	1/2	110,631	1/2	95,589
3/4		3/4		3/4	200,464	3/4	185,473	3/4	170,465	3/4	155,428	3/4	140,392	3/4	125,355	3/4	110,318	3/4	95,276

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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



# BARGE "HSM 3005"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 05 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	79,919	0	64,876	0	49,840	0	34,797	0	19,755	0	5,526	0		0		0		0	
1/4	79,606	1/4	64,563	1/4	49,527	1/4	34,484	1/4	19,441	1/4	5,251	1/4		1/4		1/4		1/4	
1/2	79,292	1/2	64,249	1/2	49,213	1/2	34,171	1/2	19,128	1/2	4,980	1/2		1/2		1/2		1/2	
3/4	78,979	3/4	63,936	3/4	48,900	3/4	33,857	3/4	18,814	3/4	4,709	3/4		3/4		3/4		3/4	
1	78,666	1	63,622	1	48,587	1	33,544	1	18,501	1	4,438	1		1		1		1	
1/4	78,352	1/4	63,309	1/4	48,273	1/4	33,230	1/4	18,188	1/4	4,167	1/4		1/4		1/4		1/4	
1/2	78,039	1/2	62,996	1/2	47,960	1/2	32,917	1/2	17,875	1/2	3,900	1/2		1/2		1/2		1/2	
3/4	77,725	3/4	62,682	3/4	47,646	3/4	32,604	3/4	17,563	3/4	3,634	3/4		3/4		3/4		3/4	
2	77,412	2	62,369	2	47,333	2	32,290	2	17,250	2	3,367	2		2		2		2	
1/4	77,099	1/4	62,056	1/4	47,020	1/4	31,977	1/4	16,938	1/4	3,100	1/4		1/4		1/4		1/4	
1/2	76,785	1/2	61,742	1/2	46,706	1/2	31,663	1/2	16,628	1/2	2,838	1/2		1/2		1/2		1/2	
3/4	76,472	3/4	61,429	3/4	46,393	3/4	31,350	3/4	16,319	3/4	2,575	3/4		3/4		3/4		3/4	
3	76,158	3	61,116	3	46,079	3	31,037	3	16,009	3	2,313	3		3		3		3	
1/4	75,845	1/4	60,803	1/4	45,766	1/4	30,723	1/4	15,700	1/4	2,051	1/4		1/4		1/4		1/4	
1/2	75,532	1/2	60,489	1/2	45,453	1/2	30,410	1/2	15,394	1/2	1,812	1/2		1/2		1/2		1/2	
3/4	75,218	3/4	60,176	3/4	45,139	3/4	30,096	3/4	15,088	3/4	1,573	3/4		3/4		3/4		3/4	
4	74,905	4	59,863	4	44,826	4	29,783	4	14,783	4	1,334	4		4		4		4	
1/4	74,591	1/4	59,550	1/4	44,512	1/4	29,470	1/4	14,477	1/4	1,095	1/4		1/4		1/4		1/4	
1/2	74,278	1/2	59,237	1/2	44,199	1/2	29,156	1/2	14,175	1/2	918	1/2		1/2		1/2		1/2	
3/4	73,965	3/4	58,924	3/4	43,886	3/4	28,843	3/4	13,873	3/4	741	3/4		3/4		3/4		3/4	
5	73,651	5	58,610	5	43,572	5	28,529	5	13,572	5	563	5		5		5		5	
1/4	73,338	1/4	58,297	1/4	43,259	1/4	28,216	1/4	13,270	1/4	386	1/4		1/4		1/4		1/4	
1/2	73,024	1/2	57,984	1/2	42,945	1/2	27,903	1/2	12,972	1/2		1/2		1/2		1/2		1/2	
3/4	72,711	3/4	57,671	3/4	42,632	3/4	27,589	3/4	12,674	3/4		3/4		3/4		3/4		3/4	
6	72,398	6	57,358	6	42,319	6	27,276	6	12,376	6		6		6		6		6	
1/4	72,084	1/4	57,045	1/4	42,005	1/4	26,963	1/4	12,078	1/4		1/4		1/4		1/4		1/4	
1/2	71,771	1/2	56,731	1/2	41,692	1/2	26,649	1/2	11,784	1/2		1/2		1/2		1/2		1/2	
3/4	71,457	3/4	56,418	3/4	41,379	3/4	26,336	3/4	11,490	3/4		3/4		3/4		3/4		3/4	
7	71,144	7	56,105	7	41,065	7	26,022	7	11,196	7		7		7		7		7	
1/4	70,831	1/4	55,792	1/4	40,752	1/4	25,709	1/4	10,902	1/4		1/4		1/4		1/4		1/4	
1/2	70,517	1/2	55,479	1/2	40,438	1/2	25,396	1/2	10,611	1/2		1/2		1/2		1/2		1/2	
3/4	70,204	3/4	55,166	3/4	40,125	3/4	25,082	3/4	10,321	3/4		3/4		3/4		3/4		3/4	
8	69,890	8	54,852	8	39,812	8	24,769	8	10,031	8		8		8		8		8	
1/4	69,577	1/4	54,539	1/4	39,498	1/4	24,455	1/4	9,741	1/4		1/4		1/4		1/4		1/4	
1/2	69,264	1/2	54,226	1/2	39,185	1/2	24,142	1/2	9,454	1/2		1/2		1/2		1/2		1/2	
3/4	68,950	3/4	53,913	3/4	38,871	3/4	23,829	3/4	9,168	3/4		3/4		3/4		3/4		3/4	
9	68,637	9	53,600	9	38,558	9	23,515	9	8,881	9		9		9		9		9	
1/4	68,323	1/4	53,287	1/4	38,245	1/4	23,202	1/4	8,595	1/4		1/4		1/4		1/4		1/4	
1/2	68,010	1/2	52,973	1/2	37,931	1/2	22,888	1/2	8,312	1/2		1/2		1/2		1/2		1/2	
3/4	67,697	3/4	52,660	3/4	37,618	3/4	22,575	3/4	8,030	3/4		3/4		3/4		3/4		3/4	
10	67,383	10	52,347	10	37,304	10	22,262	10	7,747	10		10		10		10		10	
1/4	67,070	1/4	52,034	1/4	36,991	1/4	21,948	1/4	7,465	1/4		1/4		1/4		1/4		1/4	
1/2	66,756	1/2	51,720	1/2	36,678	1/2	21,635	1/2	7,186	1/2		1/2		1/2		1/2		1/2	
3/4	66,443	3/4	51,407	3/4	36,364	3/4	21,321	3/4	6,908	3/4		3/4		3/4		3/4		3/4	
11	66,130	11	51,094	11	36,051	11	21,008	11	6,629	11		11		11		11		11	
1/4	65,816	1/4	50,780	1/4	35,737	1/4	20,695	1/4	6,350	1/4		1/4		1/4		1/4		1/4	
1/2	65,503	1/2	50,467	1/2	35,424	1/2	20,381	1/2	6,075	1/2		1/2		1/2		1/2		1/2	
3/4	65,189	3/4	50,154	3/4	35,111	3/4	20,068	3/4	5,801	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/21/2016 SW  
CALCULATED: 11/22/2016 CL  
PRINTED: 11/25/2016 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2016

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



# BARGE "HSM 3005"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 05 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	202,024	0	187,000	0	171,957	0	156,880	0	141,803	0	126,726	0	111,650	0	96,566
1/4		1/4		1/4	201,713	1/4	186,687	1/4	171,643	1/4	156,566	1/4	141,489	1/4	126,412	1/4	111,336	1/4	96,252
1/2		1/2		1/2	201,400	1/2	186,374	1/2	171,328	1/2	156,252	1/2	141,175	1/2	126,098	1/2	111,022	1/2	95,938
3/4		3/4		3/4	201,087	3/4	186,061	3/4	171,014	3/4	155,938	3/4	140,861	3/4	125,784	3/4	110,707	3/4	95,624
1		1		1	200,774	1	185,748	1	170,700	1	155,624	1	140,547	1	125,470	1	110,393	1	95,309
1/4		1/4		1/4	200,461	1/4	185,435	1/4	170,386	1/4	155,309	1/4	140,233	1/4	125,156	1/4	110,079	1/4	94,995
1/2		1/2		1/2	200,148	1/2	185,122	1/2	170,072	1/2	154,995	1/2	139,919	1/2	124,842	1/2	109,765	1/2	94,681
3/4		3/4		3/4	199,835	3/4	184,809	3/4	169,758	3/4	154,681	3/4	139,605	3/4	124,528	3/4	109,451	3/4	94,367
2		2		2	199,522	2	184,496	2	169,444	2	154,367	2	139,290	2	124,214	2	109,137	2	94,052
1/4		1/4		1/4	213,144	1/4	199,209	1/4	184,183	1/4	169,130	1/4	154,053	1/4	138,976	1/4	123,900	1/4	108,822
1/2		1/2		1/2	212,965	1/2	198,896	1/2	183,870	1/2	168,816	1/2	153,739	1/2	138,662	1/2	123,585	1/2	108,508
3/4		3/4		3/4	212,786	3/4	198,583	3/4	183,557	3/4	168,502	3/4	153,425	3/4	138,348	3/4	123,271	3/4	108,194
3		3		3	212,607	3	198,270	3	183,244	3	168,188	3	153,111	3	138,034	3	122,957	3	107,880
1/4		1/4		1/4	212,427	1/4	197,957	1/4	182,931	1/4	167,873	1/4	152,797	1/4	137,720	1/4	122,643	1/4	107,565
1/2		1/2		1/2	212,196	1/2	197,644	1/2	182,618	1/2	167,559	1/2	152,483	1/2	137,406	1/2	122,329	1/2	107,251
3/4		3/4		3/4	211,964	3/4	197,330	3/4	182,305	3/4	167,245	3/4	152,168	3/4	137,092	3/4	122,015	3/4	106,937
4		4		4	211,733	4	197,017	4	181,992	4	166,931	4	151,854	4	136,778	4	121,701	4	106,623
1/4		1/4		1/4	211,501	1/4	196,704	1/4	181,679	1/4	166,617	1/4	151,540	1/4	136,464	1/4	121,387	1/4	106,308
1/2		1/2		1/2	211,221	1/2	196,391	1/2	181,366	1/2	166,303	1/2	151,226	1/2	136,149	1/2	121,073	1/2	105,994
3/4		3/4		3/4	210,941	3/4	196,078	3/4	181,053	3/4	165,989	3/4	150,912	3/4	135,835	3/4	120,759	3/4	105,680
5		5		5	210,661	5	195,765	5	180,740	5	165,675	5	150,598	5	135,521	5	120,444	5	105,366
1/4		1/4		1/4	210,381	1/4	195,452	1/4	180,427	1/4	165,361	1/4	150,284	1/4	135,207	1/4	120,130	1/4	105,051
1/2		1/2		1/2	210,075	1/2	195,139	1/2	180,114	1/2	165,047	1/2	149,970	1/2	134,893	1/2	119,816	1/2	104,737
3/4		3/4		3/4	209,769	3/4	194,826	3/4	179,801	3/4	164,732	3/4	149,656	3/4	134,579	3/4	119,502	3/4	104,423
6		6		6	209,463	6	194,513	6	179,488	6	164,418	6	149,342	6	134,265	6	119,188	6	104,109
1/4		1/4		1/4	209,157	1/4	194,200	1/4	179,175	1/4	164,104	1/4	149,027	1/4	133,951	1/4	118,874	1/4	103,794
1/2		1/2		1/2	208,848	1/2	193,887	1/2	178,862	1/2	163,790	1/2	148,713	1/2	133,637	1/2	118,560	1/2	103,480
3/4		3/4		3/4	208,538	3/4	193,574	3/4	178,549	3/4	163,476	3/4	148,399	3/4	133,323	3/4	118,246	3/4	103,166
7		7		7	208,229	7	193,261	7	178,235	7	163,162	7	148,085	7	133,008	7	117,932	7	102,852
1/4		1/4		1/4	207,919	1/4	192,948	1/4	177,922	1/4	162,848	1/4	147,771	1/4	132,694	1/4	117,618	1/4	102,537
1/2		1/2		1/2	207,609	1/2	192,635	1/2	177,609	1/2	162,534	1/2	147,457	1/2	132,380	1/2	117,303	1/2	102,223
3/4		3/4		3/4	207,299	3/4	192,322	3/4	177,295	3/4	162,220	3/4	147,143	3/4	132,066	3/4	116,989	3/4	101,909
8		8		8	206,989	8	192,009	8	176,982	8	161,906	8	146,829	8	131,752	8	116,675	8	101,595
1/4		1/4		1/4	206,679	1/4	191,696	1/4	176,668	1/4	161,591	1/4	146,515	1/4	131,438	1/4	116,361	1/4	101,280
1/2		1/2		1/2	206,369	1/2	191,383	1/2	176,354	1/2	161,277	1/2	146,201	1/2	131,124	1/2	116,047	1/2	100,966
3/4		3/4		3/4	206,059	3/4	191,070	3/4	176,040	3/4	160,963	3/4	145,886	3/4	130,810	3/4	115,733	3/4	100,652
9		9		9	205,749	9	190,757	9	175,726	9	160,649	9	145,572	9	130,496	9	115,419	9	100,338
1/4		1/4		1/4	205,439	1/4	190,444	1/4	175,412	1/4	160,335	1/4	145,258	1/4	130,182	1/4	115,105	1/4	100,023
1/2		1/2		1/2	205,129	1/2	190,131	1/2	175,098	1/2	160,021	1/2	144,944	1/2	129,867	1/2	114,791	1/2	99,709
3/4		3/4		3/4	204,819	3/4	189,818	3/4	174,784	3/4	159,707	3/4	144,630	3/4	129,553	3/4	114,477	3/4	99,395
10		10		10	204,509	10	189,505	10	174,469	10	159,393	10	144,316	10	129,239	10	114,162	10	99,081
1/4		1/4		1/4	204,199	1/4	189,192	1/4	174,155	1/4	159,079	1/4	144,002	1/4	128,925	1/4	113,848	1/4	98,766
1/2		1/2		1/2	203,889	1/2	188,879	1/2	173,841	1/2	158,765	1/2	143,688	1/2	128,611	1/2	113,534	1/2	98,452
3/4		3/4		3/4	203,579	3/4	188,566	3/4	173,527	3/4	158,450	3/4	143,374	3/4	128,297	3/4	113,220	3/4	98,138
11		11		11	203,269	11	188,253	11	173,213	11	158,136	11	143,060	11	127,983	11	112,906	11	97,824
1/4		1/4		1/4	202,959	1/4	187,940	1/4	172,899	1/4	157,822	1/4	142,745	1/4	127,669	1/4	112,592	1/4	97,509
1/2		1/2		1/2	202,647	1/2	187,626	1/2	172,585	1/2	157,508	1/2	142,431	1/2	127,355	1/2	112,278	1/2	97,195
3/4		3/4		3/4	202,336	3/4	187,313	3/4	172,271	3/4	157,194	3/4	142,117	3/4	127,041	3/4	111,964	3/4	96,881

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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



# BARGE "HSM 3005"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 05 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	81,482	0	66,398	0	51,844	0	37,361	0	22,314	0	7,231	0		0		0		0	
1/4	81,168	1/4	66,084	1/4	51,541	1/4	37,058	1/4	22,000	1/4	6,916	1/4		1/4		1/4		1/4	
1/2	80,854	1/2	65,775	1/2	51,239	1/2	36,750	1/2	21,686	1/2	6,602	1/2		1/2		1/2		1/2	
3/4	80,539	3/4	65,467	3/4	50,937	3/4	36,441	3/4	21,372	3/4	6,288	3/4		3/4		3/4		3/4	
1	80,225	1	65,158	1	50,635	1	36,133	1	21,057	1	5,974	1		1		1		1	
1/4	79,911	1/4	64,850	1/4	50,333	1/4	35,825	1/4	20,743	1/4	5,659	1/4		1/4		1/4		1/4	
1/2	79,597	1/2	64,548	1/2	50,031	1/2	35,510	1/2	20,429	1/2	5,345	1/2		1/2		1/2		1/2	
3/4	79,282	3/4	64,245	3/4	49,729	3/4	35,196	3/4	20,115	3/4	5,031	3/4		3/4		3/4		3/4	
2	78,968	2	63,943	2	49,427	2	34,882	2	19,800	2	4,717	2		2		2		2	
1/4	78,654	1/4	63,640	1/4	49,126	1/4	34,568	1/4	19,486	1/4	4,403	1/4		1/4		1/4		1/4	
1/2	78,340	1/2	63,338	1/2	48,824	1/2	34,253	1/2	19,172	1/2	4,090	1/2		1/2		1/2		1/2	
3/4	78,025	3/4	63,035	3/4	48,522	3/4	33,939	3/4	18,858	3/4	3,777	3/4		3/4		3/4		3/4	
3	77,711	3	62,733	3	48,221	3	33,625	3	18,543	3	3,464	3		3		3		3	
1/4	77,397	1/4	62,430	1/4	47,919	1/4	33,311	1/4	18,229	1/4	3,150	1/4		1/4		1/4		1/4	
1/2	77,083	1/2	62,128	1/2	47,617	1/2	32,996	1/2	17,915	1/2	2,857	1/2		1/2		1/2		1/2	
3/4	76,768	3/4	61,825	3/4	47,316	3/4	32,682	3/4	17,601	3/4	2,563	3/4		3/4		3/4		3/4	
4	76,454	4	61,523	4	47,014	4	32,368	4	17,286	4	2,269	4		4		4		4	
1/4	76,140	1/4	61,220	1/4	46,713	1/4	32,054	1/4	16,972	1/4	1,975	1/4		1/4		1/4		1/4	
1/2	75,826	1/2	60,918	1/2	46,411	1/2	31,739	1/2	16,658	1/2	1,739	1/2		1/2		1/2		1/2	
3/4	75,511	3/4	60,615	3/4	46,110	3/4	31,425	3/4	16,344	3/4	1,504	3/4		3/4		3/4		3/4	
5	75,197	5	60,313	5	45,808	5	31,111	5	16,029	5	1,268	5		5		5		5	
1/4	74,883	1/4	60,011	1/4	45,507	1/4	30,797	1/4	15,715	1/4	1,033	1/4		1/4		1/4		1/4	
1/2	74,569	1/2	59,708	1/2	45,205	1/2	30,483	1/2	15,401	1/2		1/2		1/2		1/2		1/2	
3/4	74,254	3/4	59,406	3/4	44,904	3/4	30,168	3/4	15,087	3/4		3/4		3/4		3/4		3/4	
6	73,940	6	59,103	6	44,602	6	29,854	6	14,772	6		6		6		6		6	
1/4	73,626	1/4	58,801	1/4	44,301	1/4	29,540	1/4	14,458	1/4		1/4		1/4		1/4		1/4	
1/2	73,311	1/2	58,498	1/2	43,999	1/2	29,226	1/2	14,144	1/2		1/2		1/2		1/2		1/2	
3/4	72,997	3/4	58,196	3/4	43,698	3/4	28,912	3/4	13,830	3/4		3/4		3/4		3/4		3/4	
7	72,683	7	57,893	7	43,396	7	28,598	7	13,515	7		7		7		7		7	
1/4	72,369	1/4	57,591	1/4	43,094	1/4	28,284	1/4	13,201	1/4		1/4		1/4		1/4		1/4	
1/2	72,054	1/2	57,288	1/2	42,793	1/2	27,970	1/2	12,887	1/2		1/2		1/2		1/2		1/2	
3/4	71,740	3/4	56,986	3/4	42,491	3/4	27,656	3/4	12,573	3/4		3/4		3/4		3/4		3/4	
8	71,426	8	56,683	8	42,190	8	27,342	8	12,258	8		8		8		8		8	
1/4	71,112	1/4	56,381	1/4	41,888	1/4	27,028	1/4	11,944	1/4		1/4		1/4		1/4		1/4	
1/2	70,797	1/2	56,078	1/2	41,587	1/2	26,714	1/2	11,630	1/2		1/2		1/2		1/2		1/2	
3/4	70,483	3/4	55,776	3/4	41,285	3/4	26,399	3/4	11,316	3/4		3/4		3/4		3/4		3/4	
9	70,169	9	55,473	9	40,984	9	26,085	9	11,001	9		9		9		9		9	
1/4	69,855	1/4	55,171	1/4	40,682	1/4	25,771	1/4	10,687	1/4		1/4		1/4		1/4		1/4	
1/2	69,540	1/2	54,868	1/2	40,381	1/2	25,457	1/2	10,373	1/2		1/2		1/2		1/2		1/2	
3/4	69,226	3/4	54,566	3/4	40,079	3/4	25,143	3/4	10,059	3/4		3/4		3/4		3/4		3/4	
10	68,912	10	54,263	10	39,778	10	24,828	10	9,744	10		10		10		10		10	
1/4	68,598	1/4	53,961	1/4	39,476	1/4	24,514	1/4	9,430	1/4		1/4		1/4		1/4		1/4	
1/2	68,283	1/2	53,659	1/2	39,174	1/2	24,200	1/2	9,116	1/2		1/2		1/2		1/2		1/2	
3/4	67,969	3/4	53,356	3/4	38,872	3/4	23,886	3/4	8,802	3/4		3/4		3/4		3/4		3/4	
11	67,655	11	53,054	11	38,570	11	23,571	11	8,487	11		11		11		11		11	
1/4	67,341	1/4	52,751	1/4	38,268	1/4	23,257	1/4	8,173	1/4		1/4		1/4		1/4		1/4	
1/2	67,026	1/2	52,449	1/2	37,966	1/2	22,943	1/2	7,859	1/2		1/2		1/2		1/2		1/2	
3/4	66,712	3/4	52,146	3/4	37,663	3/4	22,629	3/4	7,545	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/21/2016 SW  
CALCULATED: 11/22/2016 CL  
PRINTED: 11/25/2016 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2016

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "HSM 3005"

## 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	202,846	0	187,820	0	172,775	0	157,699	0	142,622	0	127,545	0	112,468	0	97,385
1/4		1/4		1/4	202,533	1/4	187,507	1/4	172,461	1/4	157,385	1/4	142,308	1/4	127,231	1/4	112,154	1/4	97,071
1/2		1/2		1/2	202,220	1/2	187,194	1/2	172,147	1/2	157,071	1/2	141,994	1/2	126,917	1/2	111,840	1/2	96,757
3/4		3/4		3/4	201,907	3/4	186,881	3/4	171,833	3/4	156,756	3/4	141,680	3/4	126,603	3/4	111,526	3/4	96,442
1		1		1	201,594	1	186,568	1	171,519	1	156,442	1	141,366	1	126,289	1	111,212	1	96,128
1/4		1/4		1/4	201,281	1/4	186,255	1/4	171,205	1/4	156,128	1/4	141,051	1/4	125,975	1/4	110,898	1/4	95,814
1/2		1/2		1/2	200,968	1/2	185,942	1/2	170,891	1/2	155,814	1/2	140,737	1/2	125,661	1/2	110,584	1/2	95,500
3/4		3/4		3/4	200,655	3/4	185,629	3/4	170,577	3/4	155,500	3/4	140,423	3/4	125,346	3/4	110,270	3/4	95,185
2		2	214,277	2	200,342	2	185,316	2	170,263	2	155,186	2	140,109	2	125,032	2	109,955	2	94,871
1/4		1/4	214,098	1/4	200,029	1/4	185,003	1/4	169,949	1/4	154,872	1/4	139,795	1/4	124,718	1/4	109,641	1/4	94,557
1/2		1/2	213,919	1/2	199,716	1/2	184,690	1/2	169,634	1/2	154,558	1/2	139,481	1/2	124,404	1/2	109,327	1/2	94,242
3/4		3/4	213,740	3/4	199,402	3/4	184,377	3/4	169,320	3/4	154,244	3/4	139,167	3/4	124,090	3/4	109,013	3/4	93,928
3		3	213,560	3	199,089	3	184,064	3	169,006	3	153,930	3	138,853	3	123,776	3	108,698	3	93,614
1/4		1/4	213,329	1/4	198,776	1/4	183,751	1/4	168,692	1/4	153,615	1/4	138,539	1/4	123,462	1/4	108,384	1/4	93,300
1/2		1/2	213,097	1/2	198,463	1/2	183,438	1/2	168,378	1/2	153,301	1/2	138,225	1/2	123,148	1/2	108,070	1/2	92,985
3/4		3/4	212,866	3/4	198,150	3/4	183,125	3/4	168,064	3/4	152,987	3/4	137,910	3/4	122,834	3/4	107,756	3/4	92,671
4		4	212,634	4	197,837	4	182,812	4	167,750	4	152,673	4	137,596	4	122,520	4	107,441	4	92,357
1/4		1/4	212,354	1/4	197,524	1/4	182,499	1/4	167,436	1/4	152,359	1/4	137,282	1/4	122,206	1/4	107,127	1/4	92,043
1/2		1/2	212,074	1/2	197,211	1/2	182,186	1/2	167,122	1/2	152,045	1/2	136,968	1/2	121,891	1/2	106,813	1/2	91,728
3/4		3/4	211,794	3/4	196,898	3/4	181,873	3/4	166,808	3/4	151,731	3/4	136,654	3/4	121,577	3/4	106,499	3/4	91,414
5		5	211,514	5	196,585	5	181,560	5	166,493	5	151,417	5	136,340	5	121,263	5	106,184	5	91,100
1/4		1/4	211,208	1/4	196,272	1/4	181,247	1/4	166,179	1/4	151,103	1/4	136,026	1/4	120,949	1/4	105,870	1/4	90,786
1/2		1/2	210,902	1/2	195,959	1/2	180,933	1/2	165,865	1/2	150,789	1/2	135,712	1/2	120,635	1/2	105,556	1/2	90,471
3/4		3/4	210,596	3/4	195,646	3/4	180,620	3/4	165,551	3/4	150,474	3/4	135,398	3/4	120,321	3/4	105,241	3/4	90,157
6		6	210,290	6	195,333	6	180,307	6	165,237	6	150,160	6	135,084	6	120,007	6	104,927	6	89,843
1/4		1/4	209,981	1/4	195,020	1/4	179,994	1/4	164,923	1/4	149,846	1/4	134,769	1/4	119,693	1/4	104,613	1/4	89,529
1/2		1/2	209,671	1/2	194,707	1/2	179,681	1/2	164,609	1/2	149,532	1/2	134,455	1/2	119,379	1/2	104,299	1/2	89,214
3/4		3/4	209,362	3/4	194,394	3/4	179,368	3/4	164,295	3/4	149,218	3/4	134,141	3/4	119,065	3/4	103,984	3/4	88,900
7		7	209,052	7	194,081	7	179,055	7	163,981	7	148,904	7	133,827	7	118,750	7	103,670	7	88,586
1/4		1/4	208,742	1/4	193,768	1/4	178,742	1/4	163,667	1/4	148,590	1/4	133,513	1/4	118,436	1/4	103,356	1/4	88,272
1/2		1/2	208,432	1/2	193,455	1/2	178,428	1/2	163,352	1/2	148,276	1/2	133,199	1/2	118,122	1/2	103,042	1/2	87,957
3/4		3/4	208,122	3/4	193,142	3/4	178,115	3/4	163,038	3/4	147,962	3/4	132,885	3/4	117,808	3/4	102,727	3/4	87,643
8		8	207,812	8	192,829	8	177,801	8	162,724	8	147,648	8	132,571	8	117,494	8	102,413	8	87,329
1/4		1/4	207,502	1/4	192,516	1/4	177,487	1/4	162,410	1/4	147,333	1/4	132,257	1/4	117,180	1/4	102,099	1/4	87,015
1/2		1/2	207,192	1/2	192,203	1/2	177,173	1/2	162,096	1/2	147,019	1/2	131,943	1/2	116,866	1/2	101,785	1/2	86,700
3/4		3/4	206,882	3/4	191,890	3/4	176,859	3/4	161,782	3/4	146,705	3/4	131,628	3/4	116,552	3/4	101,470	3/4	86,386
9		9	206,572	9	191,577	9	176,545	9	161,468	9	146,391	9	131,314	9	116,238	9	101,156	9	86,072
1/4		1/4	206,262	1/4	191,264	1/4	176,231	1/4	161,154	1/4	146,077	1/4	131,000	1/4	115,924	1/4	100,842	1/4	85,758
1/2		1/2	205,952	1/2	190,951	1/2	175,916	1/2	160,840	1/2	145,763	1/2	130,686	1/2	115,609	1/2	100,528	1/2	85,443
3/4		3/4	205,642	3/4	190,638	3/4	175,602	3/4	160,526	3/4	145,449	3/4	130,372	3/4	115,295	3/4	100,213	3/4	85,129
10		10	205,332	10	190,324	10	175,288	10	160,211	10	145,135	10	130,058	10	114,981	10	99,899	10	84,815
1/4		1/4	205,022	1/4	190,011	1/4	174,974	1/4	159,897	1/4	144,821	1/4	129,744	1/4	114,667	1/4	99,585	1/4	84,501
1/2		1/2	204,712	1/2	189,698	1/2	174,660	1/2	159,583	1/2	144,507	1/2	129,430	1/2	114,353	1/2	99,271	1/2	84,186
3/4		3/4	204,402	3/4	189,385	3/4	174,346	3/4	159,269	3/4	144,192	3/4	129,116	3/4	114,039	3/4	98,956	3/4	83,872
11		11	204,092	11	189,072	11	174,032	11	158,955	11	143,878	11	128,802	11	113,725	11	98,642	11	83,558
1/4		1/4	203,780	1/4	188,759	1/4	173,718	1/4	158,641	1/4	143,564	1/4	128,487	1/4	113,411	1/4	98,328	1/4	83,244
1/2		1/2	203,469	1/2	188,446	1/2	173,404	1/2	158,327	1/2	143,250	1/2	128,173	1/2	113,097	1/2	98,014	1/2	82,929
3/4		3/4	203,157	3/4	188,133	3/4	173,090	3/4	158,013	3/4	142,936	3/4	127,859	3/4	112,783	3/4	97,699	3/4	82,615

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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







# BARGE "HSM 3005"

## 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	82,301	0	67,216	0	52,132	0	37,083	0	22,001	0	6,917	0		0		0		0	
1/4	81,986	1/4	66,902	1/4	51,818	1/4	36,769	1/4	21,687	1/4	6,603	1/4		1/4		1/4		1/4	
1/2	81,672	1/2	66,588	1/2	51,504	1/2	36,455	1/2	21,373	1/2	6,288	1/2		1/2		1/2		1/2	
3/4	81,358	3/4	66,274	3/4	51,190	3/4	36,140	3/4	21,058	3/4	5,974	3/4		3/4		3/4		3/4	
1	81,044	1	65,959	1	50,876	1	35,826	1	20,744	1	5,660	1		1		1		1	
1/4	80,729	1/4	65,645	1/4	50,563	1/4	35,512	1/4	20,430	1/4	5,346	1/4		1/4		1/4		1/4	
1/2	80,415	1/2	65,331	1/2	50,249	1/2	35,198	1/2	20,116	1/2	5,032	1/2		1/2		1/2		1/2	
3/4	80,101	3/4	65,017	3/4	49,936	3/4	34,883	3/4	19,801	3/4	4,718	3/4		3/4		3/4		3/4	
2	79,787	2	64,702	2	49,622	2	34,569	2	19,487	2	4,404	2		2		2		2	
1/4	79,472	1/4	64,388	1/4	49,309	1/4	34,255	1/4	19,173	1/4	4,091	1/4		1/4		1/4		1/4	
1/2	79,158	1/2	64,074	1/2	48,995	1/2	33,941	1/2	18,859	1/2	3,777	1/2		1/2		1/2		1/2	
3/4	78,844	3/4	63,760	3/4	48,682	3/4	33,626	3/4	18,544	3/4	3,464	3/4		3/4		3/4		3/4	
3	78,530	3	63,445	3	48,369	3	33,312	3	18,230	3	3,151	3		3		3		3	
1/4	78,215	1/4	63,131	1/4	48,055	1/4	32,998	1/4	17,916	1/4	2,857	1/4		1/4		1/4		1/4	
1/2	77,901	1/2	62,817	1/2	47,742	1/2	32,684	1/2	17,602	1/2	2,563	1/2		1/2		1/2		1/2	
3/4	77,587	3/4	62,503	3/4	47,429	3/4	32,369	3/4	17,287	3/4	2,269	3/4		3/4		3/4		3/4	
4	77,273	4	62,188	4	47,115	4	32,055	4	16,973	4	1,976	4		4		4		4	
1/4	76,958	1/4	61,874	1/4	46,802	1/4	31,741	1/4	16,659	1/4	1,740	1/4		1/4		1/4		1/4	
1/2	76,644	1/2	61,560	1/2	46,489	1/2	31,427	1/2	16,345	1/2	1,504	1/2		1/2		1/2		1/2	
3/4	76,330	3/4	61,246	3/4	46,175	3/4	31,112	3/4	16,030	3/4	1,269	3/4		3/4		3/4		3/4	
5	76,016	5	60,931	5	45,862	5	30,798	5	15,716	5	1,033	5		5		5		5	
1/4	75,701	1/4	60,617	1/4	45,549	1/4	30,484	1/4	15,402	1/4		1/4		1/4		1/4		1/4	
1/2	75,387	1/2	60,303	1/2	45,235	1/2	30,170	1/2	15,088	1/2		1/2		1/2		1/2		1/2	
3/4	75,073	3/4	59,989	3/4	44,922	3/4	29,856	3/4	14,773	3/4		3/4		3/4		3/4		3/4	
6	74,759	6	59,674	6	44,609	6	29,541	6	14,459	6		6		6		6		6	
1/4	74,444	1/4	59,360	1/4	44,295	1/4	29,227	1/4	14,145	1/4		1/4		1/4		1/4		1/4	
1/2	74,130	1/2	59,046	1/2	43,982	1/2	28,913	1/2	13,831	1/2		1/2		1/2		1/2		1/2	
3/4	73,816	3/4	58,731	3/4	43,669	3/4	28,599	3/4	13,516	3/4		3/4		3/4		3/4		3/4	
7	73,502	7	58,417	7	43,355	7	28,285	7	13,202	7		7		7		7		7	
1/4	73,187	1/4	58,103	1/4	43,042	1/4	27,971	1/4	12,888	1/4		1/4		1/4		1/4		1/4	
1/2	72,873	1/2	57,789	1/2	42,729	1/2	27,657	1/2	12,574	1/2		1/2		1/2		1/2		1/2	
3/4	72,559	3/4	57,474	3/4	42,415	3/4	27,343	3/4	12,259	3/4		3/4		3/4		3/4		3/4	
8	72,245	8	57,160	8	42,102	8	27,029	8	11,945	8		8		8		8		8	
1/4	71,930	1/4	56,846	1/4	41,789	1/4	26,715	1/4	11,631	1/4		1/4		1/4		1/4		1/4	
1/2	71,616	1/2	56,532	1/2	41,475	1/2	26,401	1/2	11,317	1/2		1/2		1/2		1/2		1/2	
3/4	71,302	3/4	56,217	3/4	41,162	3/4	26,086	3/4	11,002	3/4		3/4		3/4		3/4		3/4	
9	70,987	9	55,903	9	40,849	9	25,772	9	10,688	9		9		9		9		9	
1/4	70,673	1/4	55,589	1/4	40,535	1/4	25,458	1/4	10,374	1/4		1/4		1/4		1/4		1/4	
1/2	70,359	1/2	55,275	1/2	40,222	1/2	25,144	1/2	10,060	1/2		1/2		1/2		1/2		1/2	
3/4	70,045	3/4	54,960	3/4	39,909	3/4	24,830	3/4	9,745	3/4		3/4		3/4		3/4		3/4	
10	69,730	10	54,646	10	39,595	10	24,515	10	9,431	10		10		10		10		10	
1/4	69,416	1/4	54,332	1/4	39,282	1/4	24,201	1/4	9,117	1/4		1/4		1/4		1/4		1/4	
1/2	69,102	1/2	54,018	1/2	38,968	1/2	23,887	1/2	8,802	1/2		1/2		1/2		1/2		1/2	
3/4	68,788	3/4	53,703	3/4	38,654	3/4	23,573	3/4	8,488	3/4		3/4		3/4		3/4		3/4	
11	68,473	11	53,389	11	38,340	11	23,258	11	8,174	11		11		11		11		11	
1/4	68,159	1/4	53,075	1/4	38,026	1/4	22,944	1/4	7,860	1/4		1/4		1/4		1/4		1/4	
1/2	67,845	1/2	52,761	1/2	37,712	1/2	22,630	1/2	7,545	1/2		1/2		1/2		1/2		1/2	
3/4	67,531	3/4	52,446	3/4	37,397	3/4	22,315	3/4	7,231	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/21/2016 SW  
CALCULATED: 11/22/2016 CL  
PRINTED: 11/25/2016 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2016

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



# BARGE "HSM 3005"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 05 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	184,211	0	173,884	0	163,544	0	153,180	0	141,215	0	126,257	0	111,298	0	96,326
1/4		1/4		1/4	183,996	1/4	173,669	1/4	163,328	1/4	152,964	1/4	140,903	1/4	125,945	1/4	110,987	1/4	96,015
1/2		1/2		1/2	183,781	1/2	173,453	1/2	163,112	1/2	152,748	1/2	140,592	1/2	125,634	1/2	110,675	1/2	95,703
3/4		3/4		3/4	183,565	3/4	173,238	3/4	162,896	3/4	152,532	3/4	140,280	3/4	125,322	3/4	110,363	3/4	95,391
1		1		1	183,350	1	173,023	1	162,680	1	152,317	1	139,969	1	125,010	1	110,052	1	95,079
1/4		1/4		1/4	183,135	1/4	172,808	1/4	162,464	1/4	152,101	1/4	139,657	1/4	124,699	1/4	109,740	1/4	94,767
1/2		1/2		1/2	182,920	1/2	172,593	1/2	162,248	1/2	151,885	1/2	139,346	1/2	124,387	1/2	109,428	1/2	94,456
3/4		3/4		3/4	182,705	3/4	172,378	3/4	162,032	3/4	151,669	3/4	139,034	3/4	124,075	3/4	109,117	3/4	94,144
2		2		2	182,490	2	172,163	2	161,817	2	151,453	2	138,722	2	123,764	2	108,805	2	93,832
1/4		1/4		1/4	191,910	1/4	182,275	1/4	171,947	1/4	161,601	1/4	151,237	1/4	138,411	1/4	123,452	1/4	108,493
1/2		1/2		1/2	191,786	1/2	182,059	1/2	171,732	1/2	161,385	1/2	151,021	1/2	138,099	1/2	123,140	1/2	108,182
3/4		3/4		3/4	191,663	3/4	181,844	3/4	171,517	3/4	161,169	3/4	150,805	3/4	137,787	3/4	122,829	3/4	107,870
3		3		3	191,539	3	181,629	3	171,302	3	160,953	3	150,589	3	137,476	3	122,517	3	107,558
1/4		1/4		1/4	191,416	1/4	181,414	1/4	171,087	1/4	160,737	1/4	150,373	1/4	137,164	1/4	122,206	1/4	107,246
1/2		1/2		1/2	191,256	1/2	181,199	1/2	170,872	1/2	160,521	1/2	150,157	1/2	136,852	1/2	121,894	1/2	106,934
3/4		3/4		3/4	191,096	3/4	180,984	3/4	170,657	3/4	160,305	3/4	149,942	3/4	136,541	3/4	121,582	3/4	106,623
4		4		4	190,937	4	180,769	4	170,441	4	160,089	4	149,726	4	136,229	4	121,271	4	106,311
1/4		1/4		1/4	190,777	1/4	180,553	1/4	170,226	1/4	159,873	1/4	149,510	1/4	135,918	1/4	120,959	1/4	105,999
1/2		1/2		1/2	190,584	1/2	180,338	1/2	170,011	1/2	159,657	1/2	149,290	1/2	135,606	1/2	120,647	1/2	105,687
3/4		3/4		3/4	190,391	3/4	180,123	3/4	169,796	3/4	159,442	3/4	149,071	3/4	135,294	3/4	120,336	3/4	105,375
5		5		5	190,198	5	179,908	5	169,581	5	159,226	5	148,851	5	134,983	5	120,024	5	105,063
1/4		1/4		1/4	190,005	1/4	179,693	1/4	169,366	1/4	159,010	1/4	148,632	1/4	134,671	1/4	119,712	1/4	104,751
1/2		1/2		1/2	189,794	1/2	179,478	1/2	169,151	1/2	158,794	1/2	148,401	1/2	134,359	1/2	119,401	1/2	104,439
3/4		3/4		3/4	189,582	3/4	179,262	3/4	168,935	3/4	158,578	3/4	148,170	3/4	134,048	3/4	119,089	3/4	104,126
6		6		6	189,371	6	179,047	6	168,720	6	158,362	6	147,939	6	133,736	6	118,778	6	103,814
1/4		1/4		1/4	189,159	1/4	178,832	1/4	168,505	1/4	158,146	1/4	147,708	1/4	133,424	1/4	118,466	1/4	103,502
1/2		1/2		1/2	188,944	1/2	178,617	1/2	168,290	1/2	157,930	1/2	147,461	1/2	133,113	1/2	118,154	1/2	103,190
3/4		3/4		3/4	188,729	3/4	178,402	3/4	168,075	3/4	157,714	3/4	147,214	3/4	132,801	3/4	117,843	3/4	102,878
7		7		7	188,514	7	178,187	7	167,860	7	157,498	7	146,967	7	132,490	7	117,531	7	102,566
1/4		1/4		1/4	188,300	1/4	177,972	1/4	167,644	1/4	157,282	1/4	146,720	1/4	132,178	1/4	117,219	1/4	102,254
1/2		1/2		1/2	188,084	1/2	177,756	1/2	167,429	1/2	157,067	1/2	146,457	1/2	131,866	1/2	116,908	1/2	101,942
3/4		3/4		3/4	187,869	3/4	177,541	3/4	167,213	3/4	156,851	3/4	146,194	3/4	131,555	3/4	116,596	3/4	101,630
8		8		8	187,654	8	177,326	8	166,998	8	156,635	8	145,931	8	131,243	8	116,284	8	101,318
1/4		1/4		1/4	187,439	1/4	177,111	1/4	166,782	1/4	156,419	1/4	145,669	1/4	130,931	1/4	115,973	1/4	101,006
1/2		1/2		1/2	187,224	1/2	176,896	1/2	166,566	1/2	156,203	1/2	145,390	1/2	130,620	1/2	115,661	1/2	100,694
3/4		3/4		3/4	187,008	3/4	176,681	3/4	166,351	3/4	155,987	3/4	145,112	3/4	130,308	3/4	115,350	3/4	100,382
9		9		9	186,793	9	176,466	9	166,135	9	155,771	9	144,833	9	129,996	9	115,038	9	100,070
1/4		1/4		1/4	186,578	1/4	176,250	1/4	165,919	1/4	155,555	1/4	144,555	1/4	129,685	1/4	114,726	1/4	99,758
1/2		1/2		1/2	186,363	1/2	176,035	1/2	165,703	1/2	155,339	1/2	144,260	1/2	129,373	1/2	114,415	1/2	99,446
3/4		3/4		3/4	186,147	3/4	175,820	3/4	165,487	3/4	155,123	3/4	143,966	3/4	129,062	3/4	114,103	3/4	99,134
10		10		10	185,932	10	175,605	10	165,271	10	154,907	10	143,671	10	128,750	10	113,791	10	98,822
1/4		1/4		1/4	185,717	1/4	175,390	1/4	165,055	1/4	154,692	1/4	143,376	1/4	128,438	1/4	113,480	1/4	98,510
1/2		1/2		1/2	185,502	1/2	175,175	1/2	164,839	1/2	154,476	1/2	143,070	1/2	128,127	1/2	113,168	1/2	98,198
3/4		3/4		3/4	185,287	3/4	174,960	3/4	164,623	3/4	154,260	3/4	142,763	3/4	127,815	3/4	112,856	3/4	97,886
11		11		11	185,071	11	174,744	11	164,407	11	154,044	11	142,456	11	127,503	11	112,545	11	97,574
1/4		1/4		1/4	184,856	1/4	174,529	1/4	164,191	1/4	153,828	1/4	142,149	1/4	127,192	1/4	112,233	1/4	97,262
1/2		1/2		1/2	184,641	1/2	174,314	1/2	163,976	1/2	153,612	1/2	141,837	1/2	126,880	1/2	111,922	1/2	96,950
3/4		3/4		3/4	184,426	3/4	174,099	3/4	163,760	3/4	153,396	3/4	141,526	3/4	126,568	3/4	111,610	3/4	96,638

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE.  
 GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

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





# BARGE "HSM 3005"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 05 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	81,353	0	66,445	0	51,708	0	37,139	0	22,183	0	7,193	0		0		0		0	
1/4	81,041	1/4	66,134	1/4	51,405	1/4	36,834	1/4	21,871	1/4	6,881	1/4		1/4		1/4		1/4	
1/2	80,729	1/2	65,824	1/2	51,103	1/2	36,526	1/2	21,559	1/2	6,568	1/2		1/2		1/2		1/2	
3/4	80,417	3/4	65,514	3/4	50,801	3/4	36,218	3/4	21,246	3/4	6,256	3/4		3/4		3/4		3/4	
1	80,105	1	65,204	1	50,498	1	35,910	1	20,934	1	5,944	1		1		1		1	
1/4	79,793	1/4	64,894	1/4	50,196	1/4	35,602	1/4	20,622	1/4	5,631	1/4		1/4		1/4		1/4	
1/2	79,481	1/2	64,584	1/2	49,894	1/2	35,291	1/2	20,310	1/2	5,319	1/2		1/2		1/2		1/2	
3/4	79,169	3/4	64,273	3/4	49,592	3/4	34,979	3/4	19,998	3/4	5,007	3/4		3/4		3/4		3/4	
2	78,856	2	63,963	2	49,289	2	34,667	2	19,685	2	4,694	2		2		2		2	
1/4	78,544	1/4	63,653	1/4	48,987	1/4	34,356	1/4	19,373	1/4	4,382	1/4		1/4		1/4		1/4	
1/2	78,233	1/2	63,342	1/2	48,685	1/2	34,044	1/2	19,061	1/2	4,070	1/2		1/2		1/2		1/2	
3/4	77,922	3/4	63,031	3/4	48,382	3/4	33,731	3/4	18,749	3/4	3,759	3/4		3/4		3/4		3/4	
3	77,611	3	62,720	3	48,080	3	33,419	3	18,437	3	3,447	3		3		3		3	
1/4	77,300	1/4	62,409	1/4	47,778	1/4	33,107	1/4	18,125	1/4	3,135	1/4		1/4		1/4		1/4	
1/2	76,990	1/2	62,097	1/2	47,476	1/2	32,795	1/2	17,812	1/2	2,843	1/2		1/2		1/2		1/2	
3/4	76,680	3/4	61,786	3/4	47,174	3/4	32,483	3/4	17,500	3/4	2,551	3/4		3/4		3/4		3/4	
4	76,369	4	61,474	4	46,872	4	32,171	4	17,188	4	2,258	4		4		4		4	
1/4	76,059	1/4	61,162	1/4	46,570	1/4	31,858	1/4	16,876	1/4	1,966	1/4		1/4		1/4		1/4	
1/2	75,749	1/2	60,850	1/2	46,268	1/2	31,546	1/2	16,564	1/2	1,731	1/2		1/2		1/2		1/2	
3/4	75,439	3/4	60,538	3/4	45,967	3/4	31,234	3/4	16,252	3/4	1,497	3/4		3/4		3/4		3/4	
5	75,129	5	60,227	5	45,665	5	30,922	5	15,939	5	1,263	5		5		5		5	
1/4	74,819	1/4	59,915	1/4	45,364	1/4	30,610	1/4	15,627	1/4	1,028	1/4		1/4		1/4		1/4	
1/2	74,508	1/2	59,606	1/2	45,061	1/2	30,298	1/2	15,315	1/2		1/2		1/2		1/2		1/2	
3/4	74,198	3/4	59,297	3/4	44,757	3/4	29,986	3/4	15,003	3/4		3/4		3/4		3/4		3/4	
6	73,888	6	58,989	6	44,454	6	29,673	6	14,691	6		6		6		6		6	
1/4	73,578	1/4	58,680	1/4	44,151	1/4	29,361	1/4	14,378	1/4		1/4		1/4		1/4		1/4	
1/2	73,268	1/2	58,375	1/2	43,846	1/2	29,049	1/2	14,066	1/2		1/2		1/2		1/2		1/2	
3/4	72,958	3/4	58,069	3/4	43,541	3/4	28,737	3/4	13,754	3/4		3/4		3/4		3/4		3/4	
7	72,648	7	57,764	7	43,236	7	28,425	7	13,442	7		7		7		7		7	
1/4	72,337	1/4	57,458	1/4	42,932	1/4	28,113	1/4	13,130	1/4		1/4		1/4		1/4		1/4	
1/2	72,027	1/2	57,154	1/2	42,627	1/2	27,801	1/2	12,818	1/2		1/2		1/2		1/2		1/2	
3/4	71,717	3/4	56,850	3/4	42,322	3/4	27,489	3/4	12,505	3/4		3/4		3/4		3/4		3/4	
8	71,407	8	56,546	8	42,017	8	27,177	8	12,193	8		8		8		8		8	
1/4	71,097	1/4	56,243	1/4	41,712	1/4	26,865	1/4	11,881	1/4		1/4		1/4		1/4		1/4	
1/2	70,787	1/2	55,940	1/2	41,407	1/2	26,553	1/2	11,569	1/2		1/2		1/2		1/2		1/2	
3/4	70,477	3/4	55,638	3/4	41,102	3/4	26,241	3/4	11,256	3/4		3/4		3/4		3/4		3/4	
9	70,166	9	55,336	9	40,798	9	25,929	9	10,944	9		9		9		9		9	
1/4	69,856	1/4	55,033	1/4	40,493	1/4	25,617	1/4	10,631	1/4		1/4		1/4		1/4		1/4	
1/2	69,546	1/2	54,731	1/2	40,188	1/2	25,305	1/2	10,319	1/2		1/2		1/2		1/2		1/2	
3/4	69,236	3/4	54,429	3/4	39,883	3/4	24,992	3/4	10,006	3/4		3/4		3/4		3/4		3/4	
10	68,926	10	54,126	10	39,578	10	24,680	10	9,693	10		10		10		10		10	
1/4	68,616	1/4	53,824	1/4	39,273	1/4	24,368	1/4	9,381	1/4		1/4		1/4		1/4		1/4	
1/2	68,305	1/2	53,522	1/2	38,968	1/2	24,056	1/2	9,068	1/2		1/2		1/2		1/2		1/2	
3/4	67,995	3/4	53,219	3/4	38,664	3/4	23,744	3/4	8,755	3/4		3/4		3/4		3/4		3/4	
11	67,685	11	52,917	11	38,359	11	23,432	11	8,443	11		11		11		11		11	
1/4	67,375	1/4	52,615	1/4	38,054	1/4	23,119	1/4	8,130	1/4		1/4		1/4		1/4		1/4	
1/2	67,065	1/2	52,312	1/2	37,749	1/2	22,807	1/2	7,818	1/2		1/2		1/2		1/2		1/2	
3/4	66,755	3/4	52,010	3/4	37,444	3/4	22,495	3/4	7,506	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/21/2016 SW  
CALCULATED: 11/22/2016 CL  
PRINTED: 11/25/2016 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2016

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



# BARGE "HSM 3005"

## 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	185,816	0	175,445	0	165,060	0	154,652	0	142,527	0	127,472	0	112,417	0	97,346
1/4		1/4		1/4	185,600	1/4	175,229	1/4	164,843	1/4	154,435	1/4	142,213	1/4	127,158	1/4	112,103	1/4	97,032
1/2		1/2		1/2	185,384	1/2	175,013	1/2	164,626	1/2	154,219	1/2	141,900	1/2	126,844	1/2	111,789	1/2	96,718
3/4		3/4		3/4	185,168	3/4	174,797	3/4	164,410	3/4	154,002	3/4	141,586	3/4	126,531	3/4	111,476	3/4	96,404
1		1		1	184,952	1	174,581	1	164,193	1	153,785	1	141,272	1	126,217	1	111,162	1	96,090
1/4		1/4		1/4	184,736	1/4	174,365	1/4	163,976	1/4	153,568	1/4	140,959	1/4	125,904	1/4	110,848	1/4	95,776
1/2		1/2		1/2	184,520	1/2	174,148	1/2	163,759	1/2	153,351	1/2	140,645	1/2	125,590	1/2	110,534	1/2	95,462
3/4		3/4		3/4	184,304	3/4	173,932	3/4	163,542	3/4	153,134	3/4	140,332	3/4	125,276	3/4	110,221	3/4	95,148
2		2	193,764	2	184,087	2	173,716	2	163,325	2	152,918	2	140,018	2	124,963	2	109,907	2	94,834
1/4		1/4	193,640	1/4	183,871	1/4	173,500	1/4	163,109	1/4	152,701	1/4	139,704	1/4	124,649	1/4	109,593	1/4	94,519
1/2		1/2	193,516	1/2	183,655	1/2	173,284	1/2	162,892	1/2	152,484	1/2	139,391	1/2	124,335	1/2	109,280	1/2	94,205
3/4		3/4	193,392	3/4	183,439	3/4	173,068	3/4	162,675	3/4	152,267	3/4	139,077	3/4	124,022	3/4	108,966	3/4	93,891
3		3	193,268	3	183,223	3	172,852	3	162,458	3	152,050	3	138,763	3	123,708	3	108,652	3	93,577
1/4		1/4	193,107	1/4	183,007	1/4	172,636	1/4	162,241	1/4	151,833	1/4	138,450	1/4	123,394	1/4	108,338	1/4	93,263
1/2		1/2	192,947	1/2	182,791	1/2	172,420	1/2	162,024	1/2	151,617	1/2	138,136	1/2	123,081	1/2	108,024	1/2	92,949
3/4		3/4	192,787	3/4	182,575	3/4	172,204	3/4	161,808	3/4	151,400	3/4	137,822	3/4	122,767	3/4	107,710	3/4	92,635
4		4	192,626	4	182,359	4	171,988	4	161,591	4	151,183	4	137,509	4	122,453	4	107,396	4	92,321
1/4		1/4	192,433	1/4	182,143	1/4	171,772	1/4	161,374	1/4	150,963	1/4	137,195	1/4	122,140	1/4	107,082	1/4	92,007
1/2		1/2	192,239	1/2	181,927	1/2	171,556	1/2	161,157	1/2	150,742	1/2	136,881	1/2	121,826	1/2	106,768	1/2	91,693
3/4		3/4	192,045	3/4	181,711	3/4	171,340	3/4	160,940	3/4	150,522	3/4	136,568	3/4	121,512	3/4	106,454	3/4	91,379
5		5	191,851	5	181,495	5	171,124	5	160,723	5	150,301	5	136,254	5	121,199	5	106,140	5	91,065
1/4		1/4	191,639	1/4	181,279	1/4	170,908	1/4	160,507	1/4	150,069	1/4	135,940	1/4	120,885	1/4	105,826	1/4	90,751
1/2		1/2	191,426	1/2	181,063	1/2	170,691	1/2	160,290	1/2	149,837	1/2	135,627	1/2	120,571	1/2	105,512	1/2	90,437
3/4		3/4	191,214	3/4	180,847	3/4	170,475	3/4	160,073	3/4	149,605	3/4	135,313	3/4	120,258	3/4	105,198	3/4	90,122
6		6	191,001	6	180,630	6	170,259	6	159,856	6	149,373	6	134,999	6	119,944	6	104,884	6	89,808
1/4		1/4	190,786	1/4	180,414	1/4	170,043	1/4	159,639	1/4	149,125	1/4	134,686	1/4	119,630	1/4	104,570	1/4	89,494
1/2		1/2	190,570	1/2	180,198	1/2	169,827	1/2	159,422	1/2	148,877	1/2	134,372	1/2	119,317	1/2	104,256	1/2	89,180
3/4		3/4	190,354	3/4	179,982	3/4	169,611	3/4	159,206	3/4	148,628	3/4	134,058	3/4	119,003	3/4	103,942	3/4	88,866
7		7	190,138	7	179,766	7	169,395	7	158,989	7	148,380	7	133,745	7	118,690	7	103,628	7	88,552
1/4		1/4	189,922	1/4	179,550	1/4	169,179	1/4	158,772	1/4	148,116	1/4	133,431	1/4	118,376	1/4	103,313	1/4	88,238
1/2		1/2	189,706	1/2	179,334	1/2	168,962	1/2	158,555	1/2	147,852	1/2	133,118	1/2	118,062	1/2	102,999	1/2	87,924
3/4		3/4	189,490	3/4	179,118	3/4	168,746	3/4	158,338	3/4	147,587	3/4	132,804	3/4	117,749	3/4	102,685	3/4	87,610
8		8	189,274	8	178,902	8	168,529	8	158,121	8	147,323	8	132,490	8	117,435	8	102,371	8	87,296
1/4		1/4	189,058	1/4	178,686	1/4	168,312	1/4	157,905	1/4	147,043	1/4	132,177	1/4	117,121	1/4	102,057	1/4	86,982
1/2		1/2	188,841	1/2	178,470	1/2	168,096	1/2	157,688	1/2	146,762	1/2	131,863	1/2	116,808	1/2	101,743	1/2	86,668
3/4		3/4	188,625	3/4	178,254	3/4	167,879	3/4	157,471	3/4	146,482	3/4	131,549	3/4	116,494	3/4	101,429	3/4	86,354
9		9	188,409	9	178,038	9	167,662	9	157,254	9	146,202	9	131,236	9	116,180	9	101,115	9	86,040
1/4		1/4	188,193	1/4	177,822	1/4	167,445	1/4	157,037	1/4	145,905	1/4	130,922	1/4	115,867	1/4	100,801	1/4	85,726
1/2		1/2	187,977	1/2	177,606	1/2	167,228	1/2	156,821	1/2	145,609	1/2	130,608	1/2	115,553	1/2	100,487	1/2	85,411
3/4		3/4	187,761	3/4	177,389	3/4	167,011	3/4	156,604	3/4	145,312	3/4	130,295	3/4	115,239	3/4	100,173	3/4	85,097
10		10	187,545	10	177,173	10	166,795	10	156,387	10	145,016	10	129,981	10	114,926	10	99,859	10	84,783
1/4		1/4	187,328	1/4	176,957	1/4	166,578	1/4	156,170	1/4	144,707	1/4	129,667	1/4	114,612	1/4	99,545	1/4	84,469
1/2		1/2	187,112	1/2	176,741	1/2	166,361	1/2	155,953	1/2	144,398	1/2	129,354	1/2	114,298	1/2	99,231	1/2	84,155
3/4		3/4	186,896	3/4	176,525	3/4	166,144	3/4	155,736	3/4	144,089	3/4	129,040	3/4	113,985	3/4	98,916	3/4	83,841
11		11	186,680	11	176,309	11	165,927	11	155,520	11	143,780	11	128,726	11	113,671	11	98,602	11	83,527
1/4		1/4	186,464	1/4	176,093	1/4	165,710	1/4	155,303	1/4	143,467	1/4	128,413	1/4	113,357	1/4	98,288	1/4	83,213
1/2		1/2	186,248	1/2	175,877	1/2	165,494	1/2	155,086	1/2	143,154	1/2	128,099	1/2	113,044	1/2	97,974	1/2	82,899
3/4		3/4	186,032	3/4	175,661	3/4	165,277	3/4	154,869	3/4	142,840	3/4	127,785	3/4	112,730	3/4	97,660	3/4	82,585

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE.  
 GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

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# BARGE "HSM 3005"

## 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	82,271	0	67,195	0	52,120	0	37,060	0	21,988	0	6,913	0		0		0		0	
1/4	81,957	1/4	66,881	1/4	51,806	1/4	36,746	1/4	21,674	1/4	6,599	1/4		1/4		1/4		1/4	
1/2	81,643	1/2	66,567	1/2	51,492	1/2	36,433	1/2	21,360	1/2	6,285	1/2		1/2		1/2		1/2	
3/4	81,329	3/4	66,253	3/4	51,178	3/4	36,119	3/4	21,046	3/4	5,971	3/4		3/4		3/4		3/4	
1	81,014	1	65,939	1	50,864	1	35,805	1	20,731	1	5,657	1		1		1		1	
1/4	80,700	1/4	65,625	1/4	50,550	1/4	35,492	1/4	20,417	1/4	5,343	1/4		1/4		1/4		1/4	
1/2	80,386	1/2	65,311	1/2	50,236	1/2	35,178	1/2	20,103	1/2	5,029	1/2		1/2		1/2		1/2	
3/4	80,072	3/4	64,997	3/4	49,921	3/4	34,864	3/4	19,789	3/4	4,715	3/4		3/4		3/4		3/4	
2	79,758	2	64,683	2	49,607	2	34,550	2	19,475	2	4,401	2		2		2		2	
1/4	79,444	1/4	64,369	1/4	49,293	1/4	34,236	1/4	19,161	1/4	4,088	1/4		1/4		1/4		1/4	
1/2	79,130	1/2	64,055	1/2	48,979	1/2	33,922	1/2	18,847	1/2	3,775	1/2		1/2		1/2		1/2	
3/4	78,816	3/4	63,741	3/4	48,665	3/4	33,608	3/4	18,533	3/4	3,462	3/4		3/4		3/4		3/4	
3	78,502	3	63,427	3	48,351	3	33,294	3	18,219	3	3,149	3		3		3		3	
1/4	78,188	1/4	63,112	1/4	48,037	1/4	32,980	1/4	17,905	1/4	2,855	1/4		1/4		1/4		1/4	
1/2	77,874	1/2	62,798	1/2	47,723	1/2	32,666	1/2	17,591	1/2	2,562	1/2		1/2		1/2		1/2	
3/4	77,560	3/4	62,484	3/4	47,409	3/4	32,352	3/4	17,277	3/4	2,268	3/4		3/4		3/4		3/4	
4	77,246	4	62,170	4	47,095	4	32,038	4	16,963	4	1,975	4		4		4		4	
1/4	76,932	1/4	61,856	1/4	46,782	1/4	31,724	1/4	16,649	1/4	1,739	1/4		1/4		1/4		1/4	
1/2	76,617	1/2	61,542	1/2	46,468	1/2	31,410	1/2	16,335	1/2	1,503	1/2		1/2		1/2		1/2	
3/4	76,303	3/4	61,228	3/4	46,154	3/4	31,095	3/4	16,021	3/4	1,268	3/4		3/4		3/4		3/4	
5	75,989	5	60,914	5	45,840	5	30,781	5	15,706	5	1,032	5		5		5		5	
1/4	75,675	1/4	60,600	1/4	45,526	1/4	30,467	1/4	15,392	1/4		1/4		1/4		1/4		1/4	
1/2	75,361	1/2	60,286	1/2	45,213	1/2	30,153	1/2	15,078	1/2		1/2		1/2		1/2		1/2	
3/4	75,047	3/4	59,972	3/4	44,899	3/4	29,839	3/4	14,764	3/4		3/4		3/4		3/4		3/4	
6	74,733	6	59,658	6	44,585	6	29,525	6	14,450	6		6		6		6		6	
1/4	74,419	1/4	59,344	1/4	44,272	1/4	29,211	1/4	14,136	1/4		1/4		1/4		1/4		1/4	
1/2	74,105	1/2	59,030	1/2	43,958	1/2	28,897	1/2	13,822	1/2		1/2		1/2		1/2		1/2	
3/4	73,791	3/4	58,715	3/4	43,645	3/4	28,583	3/4	13,508	3/4		3/4		3/4		3/4		3/4	
7	73,477	7	58,401	7	43,331	7	28,269	7	13,194	7		7		7		7		7	
1/4	73,163	1/4	58,087	1/4	43,018	1/4	27,955	1/4	12,880	1/4		1/4		1/4		1/4		1/4	
1/2	72,849	1/2	57,773	1/2	42,704	1/2	27,641	1/2	12,566	1/2		1/2		1/2		1/2		1/2	
3/4	72,535	3/4	57,459	3/4	42,390	3/4	27,327	3/4	12,252	3/4		3/4		3/4		3/4		3/4	
8	72,220	8	57,145	8	42,077	8	27,013	8	11,938	8		8		8		8		8	
1/4	71,906	1/4	56,831	1/4	41,763	1/4	26,699	1/4	11,624	1/4		1/4		1/4		1/4		1/4	
1/2	71,592	1/2	56,517	1/2	41,450	1/2	26,385	1/2	11,310	1/2		1/2		1/2		1/2		1/2	
3/4	71,278	3/4	56,203	3/4	41,136	3/4	26,070	3/4	10,996	3/4		3/4		3/4		3/4		3/4	
9	70,964	9	55,889	9	40,823	9	25,756	9	10,682	9		9		9		9		9	
1/4	70,650	1/4	55,575	1/4	40,509	1/4	25,442	1/4	10,367	1/4		1/4		1/4		1/4		1/4	
1/2	70,336	1/2	55,261	1/2	40,195	1/2	25,128	1/2	10,053	1/2		1/2		1/2		1/2		1/2	
3/4	70,022	3/4	54,947	3/4	39,882	3/4	24,814	3/4	9,739	3/4		3/4		3/4		3/4		3/4	
10	69,708	10	54,633	10	39,568	10	24,500	10	9,425	10		10		10		10		10	
1/4	69,394	1/4	54,318	1/4	39,255	1/4	24,186	1/4	9,111	1/4		1/4		1/4		1/4		1/4	
1/2	69,080	1/2	54,004	1/2	38,941	1/2	23,872	1/2	8,797	1/2		1/2		1/2		1/2		1/2	
3/4	68,766	3/4	53,690	3/4	38,628	3/4	23,558	3/4	8,483	3/4		3/4		3/4		3/4		3/4	
11	68,452	11	53,376	11	38,314	11	23,244	11	8,169	11		11		11		11		11	
1/4	68,138	1/4	53,062	1/4	38,000	1/4	22,930	1/4	7,855	1/4		1/4		1/4		1/4		1/4	
1/2	67,823	1/2	52,748	1/2	37,687	1/2	22,616	1/2	7,541	1/2		1/2		1/2		1/2		1/2	
3/4	67,509	3/4	52,434	3/4	37,373	3/4	22,302	3/4	7,227	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/21/2016 SW  
CALCULATED: 11/22/2016 CL  
PRINTED: 11/25/2016 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2016

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



# BARGE "HSM 3005"

## PORT SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-06 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,185	0	3,030	0	1,877	0	722	0		0		0		0	
1/4		1/4		1/4	4,161	1/4	3,006	1/4	1,853	1/4	698	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,137	1/2	2,982	1/2	1,829	1/2	674	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,113	3/4	2,958	3/4	1,804	3/4	650	3/4		3/4		3/4		3/4	
1		1		1	4,089	1	2,934	1	1,780	1	626	1		1		1		1	
1/4		1/4		1/4	4,065	1/4	2,910	1/4	1,756	1/4	602	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	5,140	1/2	4,041	1/2	2,886	1/2	577	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	5,128	3/4	4,017	3/4	2,862	3/4	553	3/4		3/4		3/4		3/4	
2		2		2	5,117	2	3,993	2	2,838	2	529	2		2		2		2	
1/4		1/4		1/4	5,105	1/4	3,969	1/4	2,814	1/4	505	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	5,093	1/2	3,945	1/2	2,790	1/2	481	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	5,070	3/4	3,921	3/4	2,766	3/4	457	3/4		3/4		3/4		3/4	
3		3		3	5,046	3	3,897	3	2,742	3	433	3		3		3		3	
1/4		1/4		1/4	5,023	1/4	3,873	1/4	2,718	1/4	409	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,999	1/2	3,849	1/2	2,693	1/2	385	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,975	3/4	3,824	3/4	2,669	3/4	361	3/4		3/4		3/4		3/4	
4		4		4	4,952	4	3,800	4	2,645	4	337	4		4		4		4	
1/4		1/4		1/4	4,928	1/4	3,776	1/4	2,621	1/4	313	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,904	1/2	3,752	1/2	2,597	1/2	289	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,881	3/4	3,728	3/4	2,573	3/4	265	3/4		3/4		3/4		3/4	
5		5		5	4,857	5	3,704	5	2,550	5	241	5		5		5		5	
1/4		1/4		1/4	4,833	1/4	3,680	1/4	2,526	1/4	217	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,810	1/2	3,656	1/2	2,502	1/2	192	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,786	3/4	3,632	3/4	2,478	3/4	168	3/4		3/4		3/4		3/4	
6		6		6	4,762	6	3,608	6	2,454	6	144	6		6		6		6	
1/4		1/4		1/4	4,739	1/4	3,584	1/4	2,430	1/4	120	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,715	1/2	3,560	1/2	2,406	1/2	96	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,691	3/4	3,536	3/4	2,382	3/4	72	3/4		3/4		3/4		3/4	
7		7		7	4,667	7	3,512	7	2,358	7	48	7		7		7		7	
1/4		1/4		1/4	4,643	1/4	3,488	1/4	2,334	1/4	24	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,619	1/2	3,464	1/2	2,310	1/2	0	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,594	3/4	3,439	3/4	2,286	3/4	0	3/4		3/4		3/4		3/4	
8		8		8	4,570	8	3,415	8	2,262	8	0	8		8		8		8	
1/4		1/4		1/4	4,546	1/4	3,391	1/4	2,238	1/4	0	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,522	1/2	3,367	1/2	2,214	1/2	0	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,498	3/4	3,343	3/4	2,189	3/4	0	3/4		3/4		3/4		3/4	
9		9		9	4,474	9	3,319	9	2,165	9	0	9		9		9		9	
1/4		1/4		1/4	4,450	1/4	3,295	1/4	2,141	1/4	0	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,426	1/2	3,271	1/2	2,117	1/2	0	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,402	3/4	3,247	3/4	2,093	3/4	0	3/4		3/4		3/4		3/4	
10		10		10	4,378	10	3,223	10	2,069	10	0	10		10		10		10	
1/4		1/4		1/4	4,354	1/4	3,199	1/4	2,045	1/4	0	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,330	1/2	3,175	1/2	2,021	1/2	0	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,306	3/4	3,151	3/4	1,997	3/4	0	3/4		3/4		3/4		3/4	
11		11		11	4,282	11	3,127	11	1,973	11	0	11		11		11		11	
1/4		1/4		1/4	4,258	1/4	3,103	1/4	1,949	1/4	0	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,234	1/2	3,078	1/2	1,925	1/2	0	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,209	3/4	3,054	3/4	1,901	3/4	0	3/4		3/4		3/4		3/4	

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

STRAPPED: 11/21/2016 SW  
CALCULATED: 11/21/2016 CL  
PRINTED: 11/25/2016 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2016

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "HSM 3005"

# STBD SLOP TANK

## ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-06 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,185	0	3,030	0	1,877	0	722	0		0		0		0	
1/4		1/4		1/4	4,161	1/4	3,006	1/4	1,853	1/4	698	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,137	1/2	2,982	1/2	1,829	1/2	674	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,113	3/4	2,958	3/4	1,804	3/4	650	3/4		3/4		3/4		3/4	
1		1		1	4,089	1	2,934	1	1,780	1	626	1		1		1		1	
1/4		1/4		1/4	4,065	1/4	2,910	1/4	1,756	1/4	602	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	5,140	1/2	4,041	1/2	2,886	1/2	577	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	5,128	3/4	4,017	3/4	2,862	3/4	553	3/4		3/4		3/4		3/4	
2		2		2	5,117	2	3,993	2	2,838	2	529	2		2		2		2	
1/4		1/4		1/4	5,105	1/4	3,969	1/4	2,814	1/4	505	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	5,093	1/2	3,945	1/2	2,790	1/2	481	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	5,070	3/4	3,921	3/4	2,766	3/4	457	3/4		3/4		3/4		3/4	
3		3		3	5,046	3	3,897	3	2,742	3	433	3		3		3		3	
1/4		1/4		1/4	5,023	1/4	3,873	1/4	2,718	1/4	409	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,999	1/2	3,849	1/2	2,693	1/2	385	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,975	3/4	3,824	3/4	2,669	3/4	361	3/4		3/4		3/4		3/4	
4		4		4	4,952	4	3,800	4	2,645	4	337	4		4		4		4	
1/4		1/4		1/4	4,928	1/4	3,776	1/4	2,621	1/4	313	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,904	1/2	3,752	1/2	2,597	1/2	289	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,881	3/4	3,728	3/4	2,573	3/4	265	3/4		3/4		3/4		3/4	
5		5		5	4,857	5	3,704	5	2,550	5	241	5		5		5		5	
1/4		1/4		1/4	4,833	1/4	3,680	1/4	2,526	1/4	217	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,810	1/2	3,656	1/2	2,502	1/2	192	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,786	3/4	3,632	3/4	2,478	3/4	168	3/4		3/4		3/4		3/4	
6		6		6	4,762	6	3,608	6	2,454	6	144	6		6		6		6	
1/4		1/4		1/4	4,739	1/4	3,584	1/4	2,430	1/4	120	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,715	1/2	3,560	1/2	2,406	1/2	96	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,691	3/4	3,536	3/4	2,382	3/4	72	3/4		3/4		3/4		3/4	
7		7		7	4,667	7	3,512	7	2,358	7	48	7		7		7		7	
1/4		1/4		1/4	4,643	1/4	3,488	1/4	2,334	1/4	24	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,619	1/2	3,464	1/2	2,310	1/2	0	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,594	3/4	3,439	3/4	2,286	3/4	0	3/4		3/4		3/4		3/4	
8		8		8	4,570	8	3,415	8	2,262	8	0	8		8		8		8	
1/4		1/4		1/4	4,546	1/4	3,391	1/4	2,238	1/4	0	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,522	1/2	3,367	1/2	2,214	1/2	0	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,498	3/4	3,343	3/4	2,189	3/4	0	3/4		3/4		3/4		3/4	
9		9		9	4,474	9	3,319	9	2,165	9	0	9		9		9		9	
1/4		1/4		1/4	4,450	1/4	3,295	1/4	2,141	1/4	0	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,426	1/2	3,271	1/2	2,117	1/2	0	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,402	3/4	3,247	3/4	2,093	3/4	0	3/4		3/4		3/4		3/4	
10		10		10	4,378	10	3,223	10	2,069	10	0	10		10		10		10	
1/4		1/4		1/4	4,354	1/4	3,199	1/4	2,045	1/4	0	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,330	1/2	3,175	1/2	2,021	1/2	0	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,306	3/4	3,151	3/4	1,997	3/4	0	3/4		3/4		3/4		3/4	
11		11		11	4,282	11	3,127	11	1,973	11	0	11		11		11		11	
1/4		1/4		1/4	4,258	1/4	3,103	1/4	1,949	1/4	0	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,234	1/2	3,078	1/2	1,925	1/2	0	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,209	3/4	3,054	3/4	1,901	3/4	0	3/4		3/4		3/4		3/4	

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

STRAPPED: 11/21/2016 SW  
 CALCULATED: 11/22/2016 CL  
 PRINTED: 11/25/2016 JS

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 11/2016

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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