



BARGE "HSM 3022"

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	- 00-0/8	00-0/8	- 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"

October 10, 2019

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

<http://www.pmacorp.net>



BARGE "HSM 3022"

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

LENGTH BETWEEN DRAFT MARKS: 238'-06"

October 10, 2019

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BARGE "HSM 3022"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	199,783	0	184,812	0	169,824	0	154,807	0	139,791	0	124,775	0	109,758	0	94,736		
1/4		1/4	199,472	1/4	184,500	1/4	169,511	1/4	154,494	1/4	139,478	1/4	124,462	1/4	109,445	1/4	94,423		
1/2		1/2	199,160	1/2	184,188	1/2	169,198	1/2	154,182	1/2	139,165	1/2	124,149	1/2	109,132	1/2	94,110		
3/4		3/4	198,849	3/4	183,876	3/4	168,885	3/4	153,869	3/4	138,852	3/4	123,836	3/4	108,820	3/4	93,797		
1	1	1	198,537	1	183,564	1	168,572	1	153,556	1	138,540	1	123,523	1	108,507	1	93,484		
1/4		1/4	198,225	1/4	183,252	1/4	168,259	1/4	153,243	1/4	138,227	1/4	123,210	1/4	108,194	1/4	93,171		
1/2		1/2	197,913	1/2	182,940	1/2	167,947	1/2	152,930	1/2	137,914	1/2	122,897	1/2	107,881	1/2	92,858		
3/4		3/4	197,601	3/4	182,628	3/4	167,634	3/4	152,617	3/4	137,601	3/4	122,585	3/4	107,568	3/4	92,545		
2	2	2	197,289	2	182,316	2	167,321	2	152,305	2	137,288	2	122,272	2	107,255	2	92,232		
1/4		1/4	210,899	1/4	196,977	1/4	182,004	1/4	167,008	1/4	151,992	1/4	136,975	1/4	121,959	1/4	106,942	1/4	91,919
1/2		1/2	210,720	1/2	196,665	1/2	181,692	1/2	166,695	1/2	151,679	1/2	136,662	1/2	121,646	1/2	106,629	1/2	91,606
3/4		3/4	210,540	3/4	196,353	3/4	181,381	3/4	166,382	3/4	151,366	3/4	136,350	3/4	121,333	3/4	106,316	3/4	91,293
3	3	3	210,361	3	196,041	3	181,069	3	166,070	3	151,053	3	136,037	3	121,020	3	106,003	3	90,980
1/4		1/4	210,181	1/4	195,729	1/4	180,757	1/4	165,757	1/4	150,740	1/4	135,724	1/4	120,708	1/4	105,690	1/4	90,668
1/2		1/2	209,949	1/2	195,417	1/2	180,445	1/2	165,444	1/2	150,428	1/2	135,411	1/2	120,395	1/2	105,377	1/2	90,355
3/4		3/4	209,718	3/4	195,105	3/4	180,133	3/4	165,131	3/4	150,115	3/4	135,098	3/4	120,082	3/4	105,064	3/4	90,042
4	4	4	209,486	4	194,793	4	179,821	4	164,818	4	149,802	4	134,785	4	119,769	4	104,751	4	89,729
1/4		1/4	209,254	1/4	194,482	1/4	179,509	1/4	164,505	1/4	149,489	1/4	134,473	1/4	119,456	1/4	104,438	1/4	89,416
1/2		1/2	208,974	1/2	194,170	1/2	179,197	1/2	164,193	1/2	149,176	1/2	134,160	1/2	119,143	1/2	104,126	1/2	89,103
3/4		3/4	208,694	3/4	193,858	3/4	178,885	3/4	163,880	3/4	148,863	3/4	133,847	3/4	118,831	3/4	103,813	3/4	88,790
5	5	5	208,414	5	193,546	5	178,573	5	163,567	5	148,550	5	133,534	5	118,518	5	103,500	5	88,477
1/4		1/4	208,134	1/4	193,234	1/4	178,261	1/4	163,254	1/4	148,238	1/4	133,221	1/4	118,205	1/4	103,187	1/4	88,164
1/2		1/2	207,828	1/2	192,922	1/2	177,949	1/2	162,941	1/2	147,925	1/2	132,908	1/2	117,892	1/2	102,874	1/2	87,851
3/4		3/4	207,523	3/4	192,610	3/4	177,637	3/4	162,628	3/4	147,612	3/4	132,596	3/4	117,579	3/4	102,561	3/4	87,538
6	6	6	207,217	6	192,298	6	177,325	6	162,315	6	147,299	6	132,283	6	117,266	6	102,248	6	87,225
1/4		1/4	206,911	1/4	191,986	1/4	177,014	1/4	162,003	1/4	146,986	1/4	131,970	1/4	116,953	1/4	101,935	1/4	86,912
1/2		1/2	206,602	1/2	191,674	1/2	176,702	1/2	161,690	1/2	146,673	1/2	131,657	1/2	116,641	1/2	101,622	1/2	86,599
3/4		3/4	206,292	3/4	191,362	3/4	176,390	3/4	161,377	3/4	146,361	3/4	131,344	3/4	116,328	3/4	101,309	3/4	86,286
7	7	7	205,983	7	191,050	7	176,078	7	161,064	7	146,048	7	131,031	7	116,015	7	100,996	7	85,973
1/4		1/4	205,673	1/4	190,738	1/4	175,766	1/4	160,751	1/4	145,735	1/4	130,719	1/4	115,702	1/4	100,683	1/4	85,660
1/2		1/2	205,364	1/2	190,426	1/2	175,453	1/2	160,438	1/2	145,422	1/2	130,406	1/2	115,389	1/2	100,370	1/2	85,347
3/4		3/4	205,054	3/4	190,115	3/4	175,141	3/4	160,126	3/4	145,109	3/4	130,093	3/4	115,076	3/4	100,057	3/4	85,034
8	8	8	204,744	8	189,803	8	174,829	8	159,813	8	144,796	8	129,780	8	114,764	8	99,744	8	84,721
1/4		1/4	204,434	1/4	189,491	1/4	174,516	1/4	159,500	1/4	144,484	1/4	129,467	1/4	114,451	1/4	99,431	1/4	84,408
1/2		1/2	204,124	1/2	189,179	1/2	174,203	1/2	159,187	1/2	144,171	1/2	129,154	1/2	114,138	1/2	99,118	1/2	84,095
3/4		3/4	203,814	3/4	188,867	3/4	173,891	3/4	158,874	3/4	143,858	3/4	128,841	3/4	113,825	3/4	98,805	3/4	83,782
9	9	9	203,504	9	188,555	9	173,578	9	158,561	9	143,545	9	128,529	9	113,512	9	98,492	9	83,469
1/4		1/4	203,194	1/4	188,243	1/4	173,265	1/4	158,249	1/4	143,232	1/4	128,216	1/4	113,199	1/4	98,179	1/4	83,156
1/2		1/2	202,885	1/2	187,931	1/2	172,952	1/2	157,936	1/2	142,919	1/2	127,903	1/2	112,887	1/2	97,866	1/2	82,843
3/4		3/4	202,575	3/4	187,619	3/4	172,639	3/4	157,623	3/4	142,606	3/4	127,590	3/4	112,574	3/4	97,553	3/4	82,530
10	10	10	202,265	10	187,307	10	172,326	10	157,310	10	142,294	10	127,277	10	112,261	10	97,240	10	82,217
1/4		1/4	201,955	1/4	186,995	1/4	172,014	1/4	156,997	1/4	141,981	1/4	126,964	1/4	111,948	1/4	96,927	1/4	81,904
1/2		1/2	201,645	1/2	186,683	1/2	171,701	1/2	156,684	1/2	141,668	1/2	126,652	1/2	111,635	1/2	96,614	1/2	81,591
3/4		3/4	201,335	3/4	186,371	3/4	171,388	3/4	156,372	3/4	141,355	3/4	126,339	3/4	111,322	3/4	96,301	3/4	81,278
11	11	11	201,026	11	186,059	11	171,075	11	156,059	11	141,042	11	126,026	11	111,010	11	95,988	11	80,965
1/4		1/4	200,716	1/4	185,748	1/4	170,762	1/4	155,746	1/4	140,729	1/4	125,713	1/4	110,697	1/4	95,675	1/4	80,652
1/2		1/2	200,405	1/2	185,436	1/2	170,449	1/2	155,433	1/2	140,417	1/2	125,400	1/2	110,384	1/2	95,362	1/2	80,339
3/4		3/4	200,094	3/4	185,124	3/4	170,137	3/4	155,120	3/4	140,104	3/4	125,087	3/4	110,071	3/4	95,049	3/4	80,026

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 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	79,713	0	64,691	0	49,768	0	34,750	0	19,727	0	5,518	0		0		0		0	
1/4	79,400	1/4	64,378	1/4	49,456	1/4	34,437	1/4	19,414	1/4	5,243	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	79,087	1/2	64,066	1/2	49,144	1/2	34,124	1/2	19,101	1/2	4,973	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,774	3/4	63,755	3/4	48,832	3/4	33,811	3/4	18,788	3/4	4,702	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	78,461	1	63,443	1	48,520	1	33,498	1	18,475	1	4,432	1	1	1	1	1	1	1	1
1/4	78,148	1/4	63,131	1/4	48,207	1/4	33,185	1/4	18,162	1/4	4,161	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,835	1/2	62,821	1/2	47,894	1/2	32,872	1/2	17,850	1/2	3,895	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,522	3/4	62,510	3/4	47,581	3/4	32,559	3/4	17,538	3/4	3,628	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	77,210	2	62,199	2	47,268	2	32,246	2	17,226	2	3,362	2	2	2	2	2	2	2	2
1/4	76,897	1/4	61,888	1/4	46,955	1/4	31,933	1/4	16,914	1/4	3,095	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,584	1/2	61,578	1/2	46,643	1/2	31,620	1/2	16,605	1/2	2,833	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,271	3/4	61,267	3/4	46,330	3/4	31,307	3/4	16,296	3/4	2,571	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	75,958	3	60,956	3	46,017	3	30,994	3	15,987	3	2,310	3	3	3	3	3	3	3	3
1/4	75,645	1/4	60,646	1/4	45,704	1/4	30,681	1/4	15,678	1/4	2,048	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,332	1/2	60,335	1/2	45,391	1/2	30,368	1/2	15,373	1/2	1,809	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,019	3/4	60,024	3/4	45,078	3/4	30,055	3/4	15,067	3/4	1,570	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	74,706	4	59,714	4	44,765	4	29,742	4	14,762	4	1,332	4	4	4	4	4	4	4	4
1/4	74,393	1/4	59,403	1/4	44,452	1/4	29,429	1/4	14,457	1/4	1,093	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,080	1/2	59,093	1/2	44,139	1/2	29,116	1/2	14,156	1/2	916	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,767	3/4	58,782	3/4	43,826	3/4	28,803	3/4	13,854	3/4	739	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	73,454	5	58,471	5	43,513	5	28,490	5	13,553	5	562	5	5	5	5	5	5	5	5
1/4	73,141	1/4	58,161	1/4	43,200	1/4	28,177	1/4	13,251	1/4	385	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,828	1/2	57,850	1/2	42,887	1/2	27,864	1/2	12,954	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,515	3/4	57,539	3/4	42,574	3/4	27,552	3/4	12,656	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	72,202	6	57,229	6	42,261	6	27,239	6	12,359	6	6	6	6	6	6	6	6	6	6
1/4	71,889	1/4	56,918	1/4	41,948	1/4	26,926	1/4	12,061	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,576	1/2	56,608	1/2	41,635	1/2	26,613	1/2	11,767	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,263	3/4	56,297	3/4	41,322	3/4	26,300	3/4	11,474	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	70,950	7	55,986	7	41,009	7	25,987	7	11,180	7	7	7	7	7	7	7	7	7	7
1/4	70,637	1/4	55,676	1/4	40,696	1/4	25,674	1/4	10,886	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	70,324	1/2	55,365	1/2	40,383	1/2	25,361	1/2	10,596	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70,011	3/4	55,055	3/4	40,070	3/4	25,048	3/4	10,307	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	69,698	8	54,744	8	39,757	8	24,735	8	10,017	8	8	8	8	8	8	8	8	8	8
1/4	69,385	1/4	54,433	1/4	39,444	1/4	24,422	1/4	9,727	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	69,072	1/2	54,123	1/2	39,131	1/2	24,109	1/2	9,441	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,759	3/4	53,812	3/4	38,818	3/4	23,796	3/4	9,155	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	68,446	9	53,502	9	38,505	9	23,483	9	8,869	9	9	9	9	9	9	9	9	9	9
1/4	68,133	1/4	53,191	1/4	38,192	1/4	23,170	1/4	8,583	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,820	1/2	52,880	1/2	37,879	1/2	22,857	1/2	8,301	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,507	3/4	52,569	3/4	37,566	3/4	22,544	3/4	8,019	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	67,194	10	52,258	10	37,253	10	22,231	10	7,736	10	10	10	10	10	10	10	10	10	10
1/4	66,881	1/4	51,948	1/4	36,941	1/4	21,918	1/4	7,454	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,568	1/2	51,636	1/2	36,628	1/2	21,605	1/2	7,176	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,255	3/4	51,325	3/4	36,315	3/4	21,292	3/4	6,898	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	65,942	11	51,014	11	36,002	11	20,979	11	6,619	11	11	11	11	11	11	11	11	11	11
1/4	65,629	1/4	50,702	1/4	35,689	1/4	20,666	1/4	6,341	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,317	1/2	50,391	1/2	35,376	1/2	20,353	1/2	6,067	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,004	3/4	50,079	3/4	35,063	3/4	20,040	3/4	5,792	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019

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



BARGE "HSM 3022"

1 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	199,327	0	184,349	0	169,354	0	154,332	0	139,311	0	124,289	0	109,267	0	94,240		
1/4	1/4	1/4	199,015	1/4	184,037	1/4	169,041	1/4	154,019	1/4	138,998	1/4	123,976	1/4	108,954	1/4	93,927		
1/2	1/2	1/2	198,703	1/2	183,725	1/2	168,728	1/2	153,706	1/2	138,685	1/2	123,663	1/2	108,641	1/2	93,614		
3/4	3/4	3/4	198,391	3/4	183,413	3/4	168,415	3/4	153,393	3/4	138,372	3/4	123,350	3/4	108,329	3/4	93,301		
1	1	1	198,079	1	183,101	1	168,102	1	153,081	1	138,059	1	123,037	1	108,016	1	92,988		
1/4	1/4	1/4	197,767	1/4	182,789	1/4	167,789	1/4	152,768	1/4	137,746	1/4	122,724	1/4	107,703	1/4	92,675		
1/2	1/2	1/2	197,455	1/2	182,477	1/2	167,476	1/2	152,455	1/2	137,433	1/2	122,411	1/2	107,390	1/2	92,362		
3/4	3/4	3/4	211,070	3/4	197,143	3/4	182,165	3/4	167,163	3/4	152,142	3/4	137,120	3/4	122,098	3/4	107,076	3/4	92,048
2	2	2	210,891	2	196,831	2	181,853	2	166,851	2	151,829	2	136,807	2	121,785	2	106,763	2	91,735
1/4	1/4	1/4	210,711	1/4	196,519	1/4	181,541	1/4	166,538	1/4	151,516	1/4	136,494	1/4	121,472	1/4	106,450	1/4	91,422
1/2	1/2	1/2	210,532	1/2	196,207	1/2	181,229	1/2	166,225	1/2	151,203	1/2	136,181	1/2	121,159	1/2	106,137	1/2	91,109
3/4	3/4	3/4	210,352	3/4	195,895	3/4	180,917	3/4	165,912	3/4	150,890	3/4	135,868	3/4	120,847	3/4	105,824	3/4	90,796
3	3	3	210,120	3	195,583	3	180,605	3	165,599	3	150,577	3	135,555	3	120,534	3	105,511	3	90,483
1/4	1/4	1/4	209,888	1/4	195,271	1/4	180,293	1/4	165,286	1/4	150,264	1/4	135,242	1/4	120,221	1/4	105,198	1/4	90,170
1/2	1/2	1/2	209,657	1/2	194,959	1/2	179,981	1/2	164,973	1/2	149,951	1/2	134,929	1/2	119,908	1/2	104,885	1/2	89,857
3/4	3/4	3/4	209,425	3/4	194,647	3/4	179,669	3/4	164,660	3/4	149,638	3/4	134,616	3/4	119,595	3/4	104,572	3/4	89,544
4	4	4	209,145	4	194,335	4	179,357	4	164,347	4	149,325	4	134,303	4	119,282	4	104,259	4	89,231
1/4	1/4	1/4	208,865	1/4	194,023	1/4	179,045	1/4	164,034	1/4	149,012	1/4	133,990	1/4	118,969	1/4	103,946	1/4	88,918
1/2	1/2	1/2	208,584	1/2	193,711	1/2	178,733	1/2	163,721	1/2	148,699	1/2	133,677	1/2	118,656	1/2	103,633	1/2	88,605
3/4	3/4	3/4	208,304	3/4	193,399	3/4	178,421	3/4	163,408	3/4	148,386	3/4	133,364	3/4	118,343	3/4	103,319	3/4	88,291
5	5	5	207,998	5	193,087	5	178,109	5	163,095	5	148,073	5	133,052	5	118,030	5	103,006	5	87,978
1/4	1/4	1/4	207,693	1/4	192,775	1/4	177,797	1/4	162,782	1/4	147,760	1/4	132,739	1/4	117,717	1/4	102,693	1/4	87,665
1/2	1/2	1/2	207,387	1/2	192,463	1/2	177,485	1/2	162,469	1/2	147,447	1/2	132,426	1/2	117,404	1/2	102,380	1/2	87,352
3/4	3/4	3/4	207,081	3/4	192,151	3/4	177,173	3/4	162,156	3/4	147,134	3/4	132,113	3/4	117,091	3/4	102,067	3/4	87,039
6	6	6	206,771	6	191,838	6	176,860	6	161,843	6	146,821	6	131,800	6	116,778	6	101,754	6	86,726
1/4	1/4	1/4	206,462	1/4	191,526	1/4	176,548	1/4	161,530	1/4	146,508	1/4	131,487	1/4	116,465	1/4	101,441	1/4	86,413
1/2	1/2	1/2	206,152	1/2	191,214	1/2	176,236	1/2	161,217	1/2	146,196	1/2	131,174	1/2	116,152	1/2	101,128	1/2	86,100
3/4	3/4	3/4	205,843	3/4	190,902	3/4	175,924	3/4	160,904	3/4	145,883	3/4	130,861	3/4	115,839	3/4	100,815	3/4	85,787
7	7	7	205,533	7	190,590	7	175,612	7	160,591	7	145,570	7	130,548	7	115,526	7	100,502	7	85,474
1/4	1/4	1/4	205,223	1/4	190,278	1/4	175,299	1/4	160,278	1/4	145,257	1/4	130,235	1/4	115,213	1/4	100,189	1/4	85,161
1/2	1/2	1/2	204,913	1/2	189,966	1/2	174,987	1/2	159,966	1/2	144,944	1/2	129,922	1/2	114,900	1/2	99,876	1/2	84,847
3/4	3/4	3/4	204,603	3/4	189,654	3/4	174,674	3/4	159,653	3/4	144,631	3/4	129,609	3/4	114,588	3/4	99,562	3/4	84,534
8	8	8	204,293	8	189,342	8	174,361	8	159,340	8	144,318	8	129,296	8	114,275	8	99,249	8	84,221
1/4	1/4	1/4	203,983	1/4	189,030	1/4	174,048	1/4	159,027	1/4	144,005	1/4	128,983	1/4	113,962	1/4	98,936	1/4	83,908
1/2	1/2	1/2	203,673	1/2	188,718	1/2	173,736	1/2	158,714	1/2	143,692	1/2	128,670	1/2	113,649	1/2	98,623	1/2	83,595
3/4	3/4	3/4	203,363	3/4	188,406	3/4	173,423	3/4	158,401	3/4	143,379	3/4	128,357	3/4	113,336	3/4	98,310	3/4	83,282
9	9	9	203,053	9	188,094	9	173,110	9	158,088	9	143,066	9	128,044	9	113,023	9	97,997	9	82,969
1/4	1/4	1/4	202,743	1/4	187,782	1/4	172,797	1/4	157,775	1/4	142,753	1/4	127,731	1/4	112,710	1/4	97,684	1/4	82,656
1/2	1/2	1/2	202,433	1/2	187,470	1/2	172,484	1/2	157,462	1/2	142,440	1/2	127,418	1/2	112,397	1/2	97,371	1/2	82,343
3/4	3/4	3/4	202,123	3/4	187,158	3/4	172,171	3/4	157,149	3/4	142,127	3/4	127,105	3/4	112,084	3/4	97,058	3/4	82,030
10	10	10	201,813	10	186,846	10	171,858	10	156,836	10	141,814	10	126,793	10	111,771	10	96,745	10	81,717
1/4	1/4	1/4	201,503	1/4	186,534	1/4	171,545	1/4	156,523	1/4	141,501	1/4	126,480	1/4	111,458	1/4	96,432	1/4	81,404
1/2	1/2	1/2	201,193	1/2	186,222	1/2	171,232	1/2	156,210	1/2	141,188	1/2	126,167	1/2	111,145	1/2	96,119	1/2	81,090
3/4	3/4	3/4	200,883	3/4	185,910	3/4	170,919	3/4	155,897	3/4	140,875	3/4	125,854	3/4	110,832	3/4	95,805	3/4	80,777
11	11	11	200,572	11	185,598	11	170,606	11	155,584	11	140,562	11	125,541	11	110,519	11	95,492	11	80,464
1/4	1/4	1/4	200,261	1/4	185,286	1/4	170,293	1/4	155,271	1/4	140,249	1/4	125,228	1/4	110,206	1/4	95,179	1/4	80,151
1/2	1/2	1/2	199,950	1/2	184,974	1/2	169,980	1/2	154,958	1/2	139,936	1/2	124,915	1/2	109,893	1/2	94,866	1/2	79,838
3/4	3/4	3/4	199,640	3/4	184,662	3/4	169,667	3/4	154,645	3/4	139,624	3/4	124,602	3/4	109,580	3/4	94,553	3/4	79,525

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 3022"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-04 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	79,212	0	64,184	0	49,163	0	34,136	0	19,108	0	4,975		0		0		0		0
1/4	78,899	1/4	63,871	1/4	48,850	1/4	33,823	1/4	18,795	1/4	4,704	1/4		1/4		1/4		1/4	
1/2	78,586	1/2	63,558	1/2	48,537	1/2	33,510	1/2	18,482	1/2	4,433	1/2		1/2		1/2		1/2	
3/4	78,273	3/4	63,245	3/4	48,224	3/4	33,196	3/4	18,169	3/4	4,163	3/4		3/4		3/4		3/4	
1	77,960	1	62,932	1	47,911	1	32,883	1	17,857	1	3,896	1		1		1		1	
1/4	77,647	1/4	62,619	1/4	47,598	1/4	32,570	1/4	17,545	1/4	3,630	1/4		1/4		1/4		1/4	
1/2	77,333	1/2	62,306	1/2	47,285	1/2	32,257	1/2	17,233	1/2	3,363	1/2		1/2		1/2		1/2	
3/4	77,020	3/4	61,993	3/4	46,972	3/4	31,944	3/4	16,920	3/4	3,096	3/4		3/4		3/4		3/4	
2	76,707	2	61,680	2	46,659	2	31,631	2	16,611	2	2,834	2		2		2		2	
1/4	76,394	1/4	61,367	1/4	46,346	1/4	31,318	1/4	16,302	1/4	2,572	1/4		1/4		1/4		1/4	
1/2	76,081	1/2	61,054	1/2	46,033	1/2	31,005	1/2	15,993	1/2	2,310	1/2		1/2		1/2		1/2	
3/4	75,768	3/4	60,741	3/4	45,719	3/4	30,692	3/4	15,684	3/4	2,048	3/4		3/4		3/4		3/4	
3	75,455	3	60,428	3	45,406	3	30,379	3	15,378	3	1,810	3		3		3		3	
1/4	75,142	1/4	60,115	1/4	45,093	1/4	30,066	1/4	15,073	1/4	1,571	1/4		1/4		1/4		1/4	
1/2	74,829	1/2	59,802	1/2	44,780	1/2	29,753	1/2	14,767	1/2	1,332	1/2		1/2		1/2		1/2	
3/4	74,516	3/4	59,489	3/4	44,467	3/4	29,440	3/4	14,462	3/4	1,093	3/4		3/4		3/4		3/4	
4	74,203	4	59,177	4	44,154	4	29,126	4	14,161	4	916	4		4		4		4	
1/4	73,890	1/4	58,864	1/4	43,841	1/4	28,813	1/4	13,859	1/4	739	1/4		1/4		1/4		1/4	
1/2	73,576	1/2	58,551	1/2	43,528	1/2	28,500	1/2	13,558	1/2	562	1/2		1/2		1/2		1/2	
3/4	73,263	3/4	58,238	3/4	43,215	3/4	28,187	3/4	13,256	3/4	385	3/4		3/4		3/4		3/4	
5	72,950	5	57,925	5	42,902	5	27,874	5	12,958	5		5		5		5		5	
1/4	72,637	1/4	57,612	1/4	42,589	1/4	27,561	1/4	12,661	1/4		1/4		1/4		1/4		1/4	
1/2	72,324	1/2	57,299	1/2	42,276	1/2	27,248	1/2	12,363	1/2		1/2		1/2		1/2		1/2	
3/4	72,011	3/4	56,987	3/4	41,963	3/4	26,935	3/4	12,065	3/4		3/4		3/4		3/4		3/4	
6	71,698	6	56,674	6	41,649	6	26,622	6	11,772	6		6		6		6		6	
1/4	71,385	1/4	56,361	1/4	41,336	1/4	26,309	1/4	11,478	1/4		1/4		1/4		1/4		1/4	
1/2	71,072	1/2	56,048	1/2	41,023	1/2	25,996	1/2	11,184	1/2		1/2		1/2		1/2		1/2	
3/4	70,759	3/4	55,735	3/4	40,710	3/4	25,683	3/4	10,890	3/4		3/4		3/4		3/4		3/4	
7	70,446	7	55,422	7	40,397	7	25,370	7	10,600	7		7		7		7		7	
1/4	70,133	1/4	55,110	1/4	40,084	1/4	25,057	1/4	10,310	1/4		1/4		1/4		1/4		1/4	
1/2	69,819	1/2	54,797	1/2	39,771	1/2	24,743	1/2	10,020	1/2		1/2		1/2		1/2		1/2	
3/4	69,506	3/4	54,484	3/4	39,458	3/4	24,430	3/4	9,730	3/4		3/4		3/4		3/4		3/4	
8	69,193	8	54,171	8	39,145	8	24,117	8	9,444	8		8		8		8		8	
1/4	68,880	1/4	53,858	1/4	38,832	1/4	23,804	1/4	9,158	1/4		1/4		1/4		1/4		1/4	
1/2	68,567	1/2	53,545	1/2	38,519	1/2	23,491	1/2	8,872	1/2		1/2		1/2		1/2		1/2	
3/4	68,254	3/4	53,232	3/4	38,206	3/4	23,178	3/4	8,586	3/4		3/4		3/4		3/4		3/4	
9	67,941	9	52,919	9	37,893	9	22,865	9	8,304	9		9		9		9		9	
1/4	67,628	1/4	52,607	1/4	37,580	1/4	22,552	1/4	8,021	1/4		1/4		1/4		1/4		1/4	
1/2	67,315	1/2	52,294	1/2	37,266	1/2	22,239	1/2	7,739	1/2		1/2		1/2		1/2		1/2	
3/4	67,002	3/4	51,981	3/4	36,953	3/4	21,926	3/4	7,457	3/4		3/4		3/4		3/4		3/4	
10	66,689	10	51,668	10	36,640	10	21,613	10	7,179	10		10		10		10		10	
1/4	66,375	1/4	51,355	1/4	36,327	1/4	21,300	1/4	6,900	1/4		1/4		1/4		1/4		1/4	
1/2	66,062	1/2	51,042	1/2	36,014	1/2	20,987	1/2	6,622	1/2		1/2		1/2		1/2		1/2	
3/4	65,749	3/4	50,729	3/4	35,701	3/4	20,673	3/4	6,343	3/4		3/4		3/4		3/4		3/4	
11	65,436	11	50,416	11	35,388	11	20,360	11	6,069	11		11		11		11		11	
1/4	65,123	1/4	50,103	1/4	35,075	1/4	20,047	1/4	5,794	1/4		1/4		1/4		1/4		1/4	
1/2	64,810	1/2	49,789	1/2	34,762	1/2	19,734	1/2	5,520	1/2		1/2		1/2		1/2		1/2	
3/4	64,497	3/4	49,476	3/4	34,449	3/4	19,421	3/4	5,245	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019

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



BARGE "HSM 3022"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	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		1/4		1/4		1/4		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		1/2		1/2		1/2		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		3/4		3/4		3/4		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	
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		1/4		1/4		1/4		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		1/2		1/2		1/2		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		3/4		3/4		3/4		3/4	
2	78,629	2	63,620	2	49,110	2	34,557	2	19,480	2	4,402	2		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		1/4		1/4		1/4		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		1/2		1/2		1/2		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		3/4		3/4		3/4		3/4	
3	77,372	3	62,411	3	47,904	3	33,300	3	18,224	3	3,150	3		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		1/4		1/4		1/4		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		1/2		1/2		1/2		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		3/4		3/4		3/4		3/4	
4	76,116	4	61,201	4	46,698	4	32,044	4	16,967	4	1,975	4		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		1/4		1/4		1/4		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		1/2		1/2		1/2		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		3/4		3/4		3/4		3/4	
5	74,859	5	59,991	5	45,492	5	30,787	5	15,710	5	1,033	5		5		5		5		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		1/4		1/4		1/4		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		1/2		1/2		1/2		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		3/4		3/4		3/4		3/4	
6	73,602	6	58,782	6	44,287	6	29,531	6	14,454	6		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		1/4		1/4		1/4		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		1/2		1/2		1/2		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		3/4		3/4		3/4		3/4	
7	72,346	7	57,572	7	43,081	7	28,275	7	13,197	7		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		1/4		1/4		1/4		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		1/2		1/2		1/2		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		3/4		3/4		3/4		3/4	
8	71,089	8	56,363	8	41,875	8	27,019	8	11,941	8		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		1/4		1/4		1/4		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		1/2		1/2		1/2		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		3/4		3/4		3/4		3/4	
9	69,832	9	55,153	9	40,669	9	25,763	9	10,684	9		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		1/4		1/4		1/4		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		1/2		1/2		1/2		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		3/4		3/4		3/4		3/4	
10	68,576	10	53,944	10	39,464	10	24,507	10	9,428	10		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		1/4		1/4		1/4		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		1/2		1/2		1/2		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		3/4		3/4		3/4		3/4	
11	67,319	11	52,734	11	38,256	11	23,250	11	8,171	11		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		1/4		1/4		1/4		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		1/2		1/2		1/2		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		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "HSM 3022"

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	202,418	0	187,401	0	172,364	0	157,296	0	142,227	0	127,159	0	112,091	0	97,016		
1/4	1/4	1/4	202,105	1/4	187,088	1/4	172,050	1/4	156,982	1/4	141,913	1/4	126,845	1/4	111,777	1/4	96,702		
1/2	1/2	1/2	201,793	1/2	186,776	1/2	171,736	1/2	156,668	1/2	141,600	1/2	126,531	1/2	111,463	1/2	96,388		
3/4	3/4	3/4	201,480	3/4	186,463	3/4	171,422	3/4	156,354	3/4	141,286	3/4	126,217	3/4	111,149	3/4	96,074		
1	1	1	201,167	1	186,150	1	171,108	1	156,040	1	140,972	1	125,903	1	110,835	1	95,760		
1/4	1/4	1/4	200,854	1/4	185,837	1/4	170,794	1/4	155,726	1/4	140,658	1/4	125,590	1/4	110,521	1/4	95,446		
1/2	1/2	1/2	200,541	1/2	185,524	1/2	170,480	1/2	155,412	1/2	140,344	1/2	125,276	1/2	110,207	1/2	95,131		
3/4	3/4	214,156	200,228	3/4	185,211	3/4	170,166	3/4	155,098	3/4	140,030	3/4	124,962	3/4	109,893	3/4	94,817		
2	2	2	213,977	2	199,915	2	184,898	2	169,853	2	154,784	2	139,716	2	124,648	2	109,579	2	94,503
1/4	1/4	213,798	199,603	1/4	184,586	1/4	169,539	1/4	154,470	1/4	139,402	1/4	124,334	1/4	109,265	1/4	94,189		
1/2	1/2	213,619	199,290	1/2	184,273	1/2	169,225	1/2	154,156	1/2	139,088	1/2	124,020	1/2	108,951	1/2	93,875		
3/4	3/4	213,440	198,977	3/4	183,960	3/4	168,911	3/4	153,843	3/4	138,774	3/4	123,706	3/4	108,637	3/4	93,561		
3	3	3	213,208	3	198,664	3	183,647	3	168,597	3	153,529	3	138,460	3	123,392	3	108,323	3	93,247
1/4	1/4	212,977	198,351	1/4	183,334	1/4	168,283	1/4	153,215	1/4	138,146	1/4	123,078	1/4	108,009	1/4	92,933		
1/2	1/2	212,745	198,038	1/2	183,021	1/2	167,969	1/2	152,901	1/2	137,833	1/2	122,764	1/2	107,695	1/2	92,619		
3/4	3/4	212,514	197,725	3/4	182,708	3/4	167,655	3/4	152,587	3/4	137,519	3/4	122,450	3/4	107,381	3/4	92,305		
4	4	4	212,234	4	197,413	4	182,396	4	167,341	4	152,273	4	137,205	4	122,136	4	107,066	4	91,991
1/4	1/4	211,954	197,100	1/4	182,083	1/4	167,027	1/4	151,959	1/4	136,891	1/4	121,823	1/4	106,752	1/4	91,677		
1/2	1/2	211,674	196,787	1/2	181,770	1/2	166,713	1/2	151,645	1/2	136,577	1/2	121,509	1/2	106,438	1/2	91,363		
3/4	3/4	211,394	196,474	3/4	181,457	3/4	166,399	3/4	151,331	3/4	136,263	3/4	121,195	3/4	106,124	3/4	91,048		
5	5	5	211,089	5	196,161	5	181,144	5	166,085	5	151,017	5	135,949	5	120,881	5	105,810	5	90,734
1/4	1/4	210,783	195,848	1/4	180,831	1/4	165,772	1/4	150,703	1/4	135,635	1/4	120,567	1/4	105,496	1/4	90,420		
1/2	1/2	210,477	195,535	1/2	180,518	1/2	165,458	1/2	150,389	1/2	135,321	1/2	120,253	1/2	105,182	1/2	90,106		
3/4	3/4	210,171	195,223	3/4	180,206	3/4	165,144	3/4	150,075	3/4	135,007	3/4	119,939	3/4	104,868	3/4	89,792		
6	6	6	209,862	6	194,910	6	179,893	6	164,830	6	149,762	6	134,693	6	119,625	6	104,554	6	89,478
1/4	1/4	209,553	194,597	1/4	179,580	1/4	164,516	1/4	149,448	1/4	134,379	1/4	119,311	1/4	104,240	1/4	89,164		
1/2	1/2	209,243	194,284	1/2	179,267	1/2	164,202	1/2	149,134	1/2	134,065	1/2	118,997	1/2	103,926	1/2	88,850		
3/4	3/4	208,934	193,971	3/4	178,954	3/4	163,888	3/4	148,820	3/4	133,752	3/4	118,683	3/4	103,612	3/4	88,536		
7	7	7	208,624	7	193,658	7	178,641	7	163,574	7	148,506	7	133,438	7	118,369	7	103,298	7	88,222
1/4	1/4	208,314	193,345	1/4	178,327	1/4	163,260	1/4	148,192	1/4	133,124	1/4	118,055	1/4	102,983	1/4	87,908		
1/2	1/2	208,004	193,033	1/2	178,014	1/2	162,946	1/2	147,878	1/2	132,810	1/2	117,742	1/2	102,669	1/2	87,594		
3/4	3/4	207,694	192,720	3/4	177,701	3/4	162,632	3/4	147,564	3/4	132,496	3/4	117,428	3/4	102,355	3/4	87,279		
8	8	8	207,385	8	192,407	8	177,387	8	162,318	8	147,250	8	132,182	8	117,114	8	102,041	8	86,965
1/4	1/4	207,075	192,094	1/4	177,073	1/4	162,004	1/4	146,936	1/4	131,868	1/4	116,800	1/4	101,727	1/4	86,651		
1/2	1/2	206,765	191,781	1/2	176,759	1/2	161,691	1/2	146,622	1/2	131,554	1/2	116,486	1/2	101,413	1/2	86,337		
3/4	3/4	206,455	191,468	3/4	176,445	3/4	161,377	3/4	146,308	3/4	131,240	3/4	116,172	3/4	101,099	3/4	86,023		
9	9	9	206,145	9	191,155	9	176,131	9	161,063	9	145,994	9	130,926	9	115,858	9	100,785	9	85,709
1/4	1/4	205,835	190,843	1/4	175,817	1/4	160,749	1/4	145,681	1/4	130,612	1/4	115,544	1/4	100,471	1/4	85,395		
1/2	1/2	205,525	190,530	1/2	175,503	1/2	160,435	1/2	145,367	1/2	130,298	1/2	115,230	1/2	100,157	1/2	85,081		
3/4	3/4	205,215	190,217	3/4	175,189	3/4	160,121	3/4	145,053	3/4	129,984	3/4	114,916	3/4	99,843	3/4	84,767		
10	10	10	204,906	10	189,904	10	174,875	10	159,807	10	144,739	10	129,671	10	114,602	10	99,529	10	84,453
1/4	1/4	204,596	189,591	1/4	174,561	1/4	159,493	1/4	144,425	1/4	129,357	1/4	114,288	1/4	99,214	1/4	84,139		
1/2	1/2	204,286	189,278	1/2	174,247	1/2	159,179	1/2	144,111	1/2	129,043	1/2	113,974	1/2	98,900	1/2	83,825		
3/4	3/4	203,976	188,965	3/4	173,933	3/4	158,865	3/4	143,797	3/4	128,729	3/4	113,661	3/4	98,586	3/4	83,511		
11	11	11	203,665	11	188,653	11	173,620	11	158,551	11	143,483	11	128,415	11	113,347	11	98,272	11	83,196
1/4	1/4	203,354	188,340	1/4	173,306	1/4	158,237	1/4	143,169	1/4	128,101	1/4	113,033	1/4	97,958	1/4	82,882		
1/2	1/2	203,042	188,027	1/2	172,992	1/2	157,923	1/2	142,855	1/2	127,787	1/2	112,719	1/2	97,644	1/2	82,568		
3/4	3/4	202,731	187,714	3/4	172,678	3/4	157,610	3/4	142,541	3/4	127,473	3/4	112,405	3/4	97,330	3/4	82,254		

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.

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BARGE "HSM 3022"

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	81,940	0	66,864	0	51,789	0	36,748	0	21,675	0	6,599	0		0		0		0	
1/4	81,626	1/4	66,550	1/4	51,475	1/4	36,434	1/4	21,361	1/4	6,285	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,312	1/2	66,236	1/2	51,161	1/2	36,120	1/2	21,047	1/2	5,971	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,998	3/4	65,922	3/4	50,848	3/4	35,806	3/4	20,732	3/4	5,657	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	80,684	1	65,608	1	50,534	1	35,492	1	20,418	1	5,343	1	1	1	1	1	1	1	1
1/4	80,370	1/4	65,294	1/4	50,221	1/4	35,178	1/4	20,104	1/4	5,029	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,056	1/2	64,980	1/2	49,908	1/2	34,864	1/2	19,790	1/2	4,715	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,742	3/4	64,666	3/4	49,594	3/4	34,550	3/4	19,476	3/4	4,402	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	79,428	2	64,352	2	49,281	2	34,236	2	19,162	2	4,088	2	2	2	2	2	2	2	2
1/4	79,113	1/4	64,038	1/4	48,968	1/4	33,921	1/4	18,848	1/4	3,775	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,799	1/2	63,724	1/2	48,654	1/2	33,607	1/2	18,534	1/2	3,462	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,485	3/4	63,409	3/4	48,341	3/4	33,293	3/4	18,220	3/4	3,149	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	78,171	3	63,095	3	48,028	3	32,979	3	17,906	3	2,856	3	3	3	3	3	3	3	3
1/4	77,857	1/4	62,781	1/4	47,715	1/4	32,665	1/4	17,592	1/4	2,562	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,543	1/2	62,467	1/2	47,402	1/2	32,351	1/2	17,278	1/2	2,268	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,229	3/4	62,153	3/4	47,089	3/4	32,037	3/4	16,964	3/4	1,975	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	76,915	4	61,839	4	46,775	4	31,723	4	16,649	4	1,739	4	4	4	4	4	4	4	4
1/4	76,601	1/4	61,525	1/4	46,462	1/4	31,409	1/4	16,335	1/4	1,504	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,287	1/2	61,211	1/2	46,149	1/2	31,095	1/2	16,021	1/2	1,268	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,973	3/4	60,897	3/4	45,836	3/4	30,781	3/4	15,707	3/4	1,032	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	75,659	5	60,583	5	45,523	5	30,467	5	15,393	5		5	5	5	5	5	5	5	5
1/4	75,344	1/4	60,269	1/4	45,210	1/4	30,153	1/4	15,079	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,030	1/2	59,955	1/2	44,897	1/2	29,839	1/2	14,765	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,716	3/4	59,641	3/4	44,583	3/4	29,525	3/4	14,451	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	74,402	6	59,326	6	44,270	6	29,211	6	14,137	6		6	6	6	6	6	6	6	6
1/4	74,088	1/4	59,012	1/4	43,957	1/4	28,897	1/4	13,823	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,774	1/2	58,698	1/2	43,644	1/2	28,583	1/2	13,509	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,460	3/4	58,384	3/4	43,331	3/4	28,269	3/4	13,195	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	73,146	7	58,070	7	43,018	7	27,955	7	12,881	7		7	7	7	7	7	7	7	7
1/4	72,832	1/4	57,756	1/4	42,705	1/4	27,641	1/4	12,566	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,518	1/2	57,442	1/2	42,391	1/2	27,328	1/2	12,252	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,204	3/4	57,128	3/4	42,078	3/4	27,014	3/4	11,938	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	71,890	8	56,814	8	41,765	8	26,700	8	11,624	8		8	8	8	8	8	8	8	8
1/4	71,576	1/4	56,500	1/4	41,452	1/4	26,386	1/4	11,310	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,261	1/2	56,186	1/2	41,139	1/2	26,072	1/2	10,996	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70,947	3/4	55,872	3/4	40,826	3/4	25,758	3/4	10,682	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	70,633	9	55,558	9	40,512	9	25,444	9	10,368	9		9	9	9	9	9	9	9	9
1/4	70,319	1/4	55,243	1/4	40,199	1/4	25,130	1/4	10,054	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	70,005	1/2	54,929	1/2	39,886	1/2	24,816	1/2	9,740	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69,691	3/4	54,615	3/4	39,573	3/4	24,501	3/4	9,426	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	69,377	10	54,301	10	39,259	10	24,187	10	9,112	10		10	10	10	10	10	10	10	10
1/4	69,063	1/4	53,987	1/4	38,946	1/4	23,873	1/4	8,798	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,749	1/2	53,673	1/2	38,632	1/2	23,559	1/2	8,483	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,435	3/4	53,359	3/4	38,319	3/4	23,245	3/4	8,169	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	68,121	11	53,045	11	38,004	11	22,931	11	7,855	11		11	11	11	11	11	11	11	11
1/4	67,807	1/4	52,731	1/4	37,690	1/4	22,617	1/4	7,541	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,493	1/2	52,417	1/2	37,376	1/2	22,303	1/2	7,227	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,178	3/4	52,103	3/4	37,062	3/4	21,989	3/4	6,913	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "HSM 3022"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	184,125	0	173,791	0	163,443	0	153,072	0	141,002	0	126,034	0	111,065	0	96,082		
1/4	1/4	1/4	183,910	1/4	173,575	1/4	163,226	1/4	152,856	1/4	140,691	1/4	125,722	1/4	110,753	1/4	95,770		
1/2	1/2	1/2	183,694	1/2	173,360	1/2	163,010	1/2	152,640	1/2	140,379	1/2	125,410	1/2	110,441	1/2	95,458		
3/4	3/4	3/4	183,479	3/4	173,145	3/4	162,794	3/4	152,423	3/4	140,067	3/4	125,098	3/4	110,129	3/4	95,146		
1	1	1	183,264	1	172,929	1	162,578	1	152,207	1	139,755	1	124,786	1	109,817	1	94,834		
1/4	1/4	1/4	183,048	1/4	172,714	1/4	162,362	1/4	151,991	1/4	139,443	1/4	124,474	1/4	109,505	1/4	94,522		
1/2	1/2	1/2	182,833	1/2	172,499	1/2	162,146	1/2	151,775	1/2	139,131	1/2	124,162	1/2	109,193	1/2	94,210		
3/4	3/4	3/4	182,618	3/4	172,284	3/4	161,930	3/4	151,559	3/4	138,820	3/4	123,851	3/4	108,881	3/4	93,898		
2	2	2	192,045	2	182,403	2	172,068	2	161,714	2	151,343	2	138,508	2	123,539	2	108,569	2	93,586
1/4	1/4	1/4	191,921	1/4	182,187	1/4	171,853	1/4	161,498	1/4	151,127	1/4	138,196	1/4	123,227	1/4	108,257	1/4	93,274
1/2	1/2	1/2	191,797	1/2	181,972	1/2	171,638	1/2	161,282	1/2	150,911	1/2	137,884	1/2	122,915	1/2	107,946	1/2	92,962
3/4	3/4	3/4	191,674	3/4	181,757	3/4	171,422	3/4	161,066	3/4	150,695	3/4	137,572	3/4	122,603	3/4	107,634	3/4	92,650
3	3	3	191,550	3	181,541	3	171,207	3	160,850	3	150,479	3	137,260	3	122,291	3	107,322	3	92,338
1/4	1/4	1/4	191,390	1/4	181,326	1/4	170,992	1/4	160,634	1/4	150,263	1/4	136,948	1/4	121,979	1/4	107,009	1/4	92,026
1/2	1/2	1/2	191,231	1/2	181,111	1/2	170,776	1/2	160,418	1/2	150,047	1/2	136,637	1/2	121,668	1/2	106,697	1/2	91,714
3/4	3/4	3/4	191,071	3/4	180,896	3/4	170,561	3/4	160,202	3/4	149,831	3/4	136,325	3/4	121,356	3/4	106,385	3/4	91,402
4	4	4	190,911	4	180,680	4	170,346	4	159,986	4	149,615	4	136,013	4	121,044	4	106,073	4	91,090
1/4	1/4	1/4	190,718	1/4	180,465	1/4	170,131	1/4	159,770	1/4	149,395	1/4	135,701	1/4	120,732	1/4	105,761	1/4	90,778
1/2	1/2	1/2	190,525	1/2	180,250	1/2	169,915	1/2	159,553	1/2	149,176	1/2	135,389	1/2	120,420	1/2	105,449	1/2	90,466
3/4	3/4	3/4	190,332	3/4	180,034	3/4	169,700	3/4	159,337	3/4	148,956	3/4	135,077	3/4	120,108	3/4	105,136	3/4	90,154
5	5	5	190,139	5	179,819	5	169,485	5	159,121	5	148,736	5	134,765	5	119,796	5	104,824	5	89,842
1/4	1/4	1/4	189,927	1/4	179,604	1/4	169,269	1/4	158,905	1/4	148,505	1/4	134,454	1/4	119,485	1/4	104,512	1/4	89,529
1/2	1/2	1/2	189,715	1/2	179,388	1/2	169,054	1/2	158,689	1/2	148,274	1/2	134,142	1/2	119,173	1/2	104,199	1/2	89,217
3/4	3/4	3/4	189,504	3/4	179,173	3/4	168,839	3/4	158,473	3/4	148,043	3/4	133,830	3/4	118,861	3/4	103,887	3/4	88,905
6	6	6	189,292	6	178,958	6	168,623	6	158,257	6	147,812	6	133,518	6	118,549	6	103,575	6	88,593
1/4	1/4	1/4	189,077	1/4	178,743	1/4	168,408	1/4	158,041	1/4	147,564	1/4	133,206	1/4	118,237	1/4	103,263	1/4	88,281
1/2	1/2	1/2	188,862	1/2	178,527	1/2	168,193	1/2	157,825	1/2	147,317	1/2	132,894	1/2	117,925	1/2	102,950	1/2	87,969
3/4	3/4	3/4	188,647	3/4	178,312	3/4	167,978	3/4	157,609	3/4	147,070	3/4	132,583	3/4	117,613	3/4	102,638	3/4	87,657
7	7	7	188,432	7	178,097	7	167,762	7	157,393	7	146,823	7	132,271	7	117,302	7	102,326	7	87,345
1/4	1/4	1/4	188,217	1/4	177,881	1/4	167,547	1/4	157,177	1/4	146,560	1/4	131,959	1/4	116,990	1/4	102,014	1/4	87,032
1/2	1/2	1/2	188,001	1/2	177,666	1/2	167,331	1/2	156,961	1/2	146,297	1/2	131,647	1/2	116,678	1/2	101,701	1/2	86,720
3/4	3/4	3/4	187,786	3/4	177,451	3/4	167,115	3/4	156,745	3/4	146,034	3/4	131,335	3/4	116,366	3/4	101,389	3/4	86,408
8	8	8	187,570	8	177,235	8	166,900	8	156,529	8	145,771	8	131,023	8	116,054	8	101,077	8	86,095
1/4	1/4	1/4	187,355	1/4	177,020	1/4	166,683	1/4	156,313	1/4	145,492	1/4	130,711	1/4	115,742	1/4	100,764	1/4	85,783
1/2	1/2	1/2	187,140	1/2	176,805	1/2	166,467	1/2	156,097	1/2	145,213	1/2	130,400	1/2	115,430	1/2	100,452	1/2	85,471
3/4	3/4	3/4	186,924	3/4	176,590	3/4	166,251	3/4	155,880	3/4	144,935	3/4	130,088	3/4	115,119	3/4	100,140	3/4	85,158
9	9	9	186,709	9	176,374	9	166,035	9	155,664	9	144,656	9	129,776	9	114,807	9	99,828	9	84,846
1/4	1/4	1/4	186,493	1/4	176,159	1/4	165,819	1/4	155,448	1/4	144,361	1/4	129,464	1/4	114,495	1/4	99,515	1/4	84,534
1/2	1/2	1/2	186,278	1/2	175,944	1/2	165,603	1/2	155,232	1/2	144,067	1/2	129,152	1/2	114,183	1/2	99,203	1/2	84,221
3/4	3/4	3/4	186,063	3/4	175,728	3/4	165,387	3/4	155,016	3/4	143,772	3/4	128,840	3/4	113,871	3/4	98,891	3/4	83,909
10	10	10	185,847	10	175,513	10	165,171	10	154,800	10	143,477	10	128,528	10	113,559	10	98,579	10	83,597
1/4	1/4	1/4	185,632	1/4	175,298	1/4	164,955	1/4	154,584	1/4	143,170	1/4	128,217	1/4	113,247	1/4	98,266	1/4	83,284
1/2	1/2	1/2	185,417	1/2	175,082	1/2	164,739	1/2	154,368	1/2	142,863	1/2	127,905	1/2	112,936	1/2	97,954	1/2	82,972
3/4	3/4	3/4	185,201	3/4	174,867	3/4	164,523	3/4	154,152	3/4	142,556	3/4	127,593	3/4	112,624	3/4	97,642	3/4	82,660
11	11	11	184,986	11	174,652	11	164,307	11	153,936	11	142,249	11	127,281	11	112,312	11	97,330	11	82,347
1/4	1/4	1/4	184,771	1/4	174,437	1/4	164,091	1/4	153,720	1/4	141,937	1/4	126,969	1/4	112,000	1/4	97,018	1/4	82,035
1/2	1/2	1/2	184,556	1/2	174,221	1/2	163,875	1/2	153,504	1/2	141,625	1/2	126,657	1/2	111,688	1/2	96,706	1/2	81,723
3/4	3/4	3/4	184,340	3/4	174,006	3/4	163,659	3/4	153,288	3/4	141,314	3/4	126,345	3/4	111,376	3/4	96,394	3/4	81,410

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 3022"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	80,786	1/4	65,870	1/4	51,139	1/4	36,552	1/4	21,573	1/4	6,573	1/4		1/4		1/4		1/4			
1/2	80,473	1/2	65,560	1/2	50,836	1/2	36,244	1/2	21,261	1/2	6,260	1/2		1/2		1/2		1/2			
3/4	80,161	3/4	65,249	3/4	50,534	3/4	35,935	3/4	20,949	3/4	5,948	3/4		3/4		3/4		3/4			
1	79,849	1	64,939	1	50,231	1	35,627	1	20,636	1	5,635	1		1		1		1			
1/4	79,536	1/4	64,629	1/4	49,929	1/4	35,315	1/4	20,324	1/4	5,322	1/4		1/4		1/4		1/4			
1/2	79,224	1/2	64,318	1/2	49,626	1/2	35,003	1/2	20,011	1/2	5,010	1/2		1/2		1/2		1/2			
3/4	78,912	3/4	64,008	3/4	49,324	3/4	34,692	3/4	19,699	3/4	4,697	3/4		3/4		3/4		3/4			
2	78,599	2	63,698	2	49,021	2	34,380	2	19,387	2	4,385	2		2		2		2			
1/4	78,288	1/4	63,386	1/4	48,718	1/4	34,067	1/4	19,074	1/4	4,073	1/4		1/4		1/4		1/4			
1/2	77,977	1/2	63,075	1/2	48,416	1/2	33,755	1/2	18,762	1/2	3,761	1/2		1/2		1/2		1/2			
3/4	77,665	3/4	62,764	3/4	48,113	3/4	33,442	3/4	18,449	3/4	3,449	3/4		3/4		3/4		3/4			
3	77,354	3	62,453	3	47,811	3	33,130	3	18,137	3	3,137	3		3		3		3			
1/4	77,044	1/4	62,141	1/4	47,509	1/4	32,818	1/4	17,825	1/4	2,845	1/4		1/4		1/4		1/4			
1/2	76,733	1/2	61,829	1/2	47,207	1/2	32,505	1/2	17,512	1/2	2,552	1/2		1/2		1/2		1/2			
3/4	76,423	3/4	61,517	3/4	46,904	3/4	32,193	3/4	17,200	3/4	2,259	3/4		3/4		3/4		3/4			
4	76,112	4	61,205	4	46,602	4	31,881	4	16,887	4	1,967	4		4		4		4			
1/4	75,802	1/4	60,893	1/4	46,301	1/4	31,568	1/4	16,575	1/4	1,732	1/4		1/4		1/4		1/4			
1/2	75,492	1/2	60,581	1/2	45,999	1/2	31,256	1/2	16,263	1/2	1,498	1/2		1/2		1/2		1/2			
3/4	75,181	3/4	60,269	3/4	45,697	3/4	30,943	3/4	15,950	3/4	1,263	3/4		3/4		3/4		3/4			
5	74,871	5	59,957	5	45,395	5	30,631	5	15,638	5	1,028	5		5		5		5			
1/4	74,561	1/4	59,648	1/4	45,092	1/4	30,319	1/4	15,325	1/4		1/4		1/4		1/4		1/4			
1/2	74,250	1/2	59,339	1/2	44,789	1/2	30,006	1/2	15,013	1/2		1/2		1/2		1/2		1/2			
3/4	73,940	3/4	59,030	3/4	44,485	3/4	29,694	3/4	14,701	3/4		3/4		3/4		3/4		3/4			
6	73,629	6	58,721	6	44,182	6	29,382	6	14,388	6		6		6		6		6			
1/4	73,319	1/4	58,415	1/4	43,877	1/4	29,069	1/4	14,076	1/4		1/4		1/4		1/4		1/4			
1/2	73,009	1/2	58,110	1/2	43,572	1/2	28,757	1/2	13,763	1/2		1/2		1/2		1/2		1/2			
3/4	72,698	3/4	57,804	3/4	43,267	3/4	28,445	3/4	13,451	3/4		3/4		3/4		3/4		3/4			
7	72,388	7	57,498	7	42,961	7	28,133	7	13,139	7		7		7		7		7			
1/4	72,078	1/4	57,194	1/4	42,656	1/4	27,821	1/4	12,826	1/4		1/4		1/4		1/4		1/4			
1/2	71,767	1/2	56,890	1/2	42,351	1/2	27,508	1/2	12,514	1/2		1/2		1/2		1/2		1/2			
3/4	71,457	3/4	56,586	3/4	42,046	3/4	27,196	3/4	12,201	3/4		3/4		3/4		3/4		3/4			
8	71,147	8	56,282	8	41,741	8	26,884	8	11,889	8		8		8		8		8			
1/4	70,836	1/4	55,979	1/4	41,436	1/4	26,572	1/4	11,576	1/4		1/4		1/4		1/4		1/4			
1/2	70,526	1/2	55,677	1/2	41,131	1/2	26,259	1/2	11,264	1/2		1/2		1/2		1/2		1/2			
3/4	70,215	3/4	55,374	3/4	40,826	3/4	25,947	3/4	10,951	3/4		3/4		3/4		3/4		3/4			
9	69,905	9	55,072	9	40,521	9	25,635	9	10,638	9		9		9		9		9			
1/4	69,595	1/4	54,769	1/4	40,216	1/4	25,322	1/4	10,326	1/4		1/4		1/4		1/4		1/4			
1/2	69,284	1/2	54,467	1/2	39,911	1/2	25,010	1/2	10,013	1/2		1/2		1/2		1/2		1/2			
3/4	68,974	3/4	54,164	3/4	39,606	3/4	24,697	3/4	9,700	3/4		3/4		3/4		3/4		3/4			
10	68,664	10	53,862	10	39,301	10	24,385	10	9,387	10		10		10		10		10			
1/4	68,353	1/4	53,559	1/4	38,996	1/4	24,073	1/4	9,074	1/4		1/4		1/4		1/4		1/4			
1/2	68,043	1/2	53,256	1/2	38,690	1/2	23,760	1/2	8,761	1/2		1/2		1/2		1/2		1/2			
3/4	67,732	3/4	52,954	3/4	38,385	3/4	23,448	3/4	8,449	3/4		3/4		3/4		3/4		3/4			
11	67,422	11	52,651	11	38,080	11	23,135	11	8,136	11		11		11		11		11			
1/4	67,112	1/4	52,349	1/4	37,775	1/4	22,823	1/4	7,823	1/4		1/4		1/4		1/4		1/4			
1/2	66,801	1/2	52,046	1/2	37,470	1/2	22,511	1/2	7,510	1/2		1/2		1/2		1/2		1/2			
3/4	66,491	3/4	51,744	3/4	37,165	3/4	22,198	3/4	7,198	3/4		3/4		3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "HSM 3022"

3 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	184,982	0	174,646	0	164,295	0	153,922	0	141,740	0	126,735	0	111,730	0	96,709	
1/4	1/4	1/4	1/4	184,767	1/4	174,430	1/4	164,079	1/4	153,705	1/4	141,427	1/4	126,422	1/4	111,417	1/4	96,396	
1/2	1/2	1/2	1/2	184,552	1/2	174,215	1/2	163,862	1/2	153,489	1/2	141,115	1/2	126,110	1/2	111,105	1/2	96,083	
3/4	3/4	3/4	3/4	184,336	3/4	174,000	3/4	163,646	3/4	153,273	3/4	140,802	3/4	125,797	3/4	110,792	3/4	95,770	
1	1	1	1	184,121	1	173,784	1	163,430	1	153,057	1	140,490	1	125,485	1	110,479	1	95,457	
1/4	1/4	1/4	1/4	183,906	1/4	173,569	1/4	163,214	1/4	152,841	1/4	140,177	1/4	125,172	1/4	110,167	1/4	95,144	
1/2	1/2	1/2	1/2	183,690	1/2	173,354	1/2	162,998	1/2	152,625	1/2	139,865	1/2	124,859	1/2	109,854	1/2	94,831	
3/4	3/4	3/4	3/4	193,119	3/4	183,475	3/4	173,138	3/4	162,782	3/4	152,409	3/4	139,552	3/4	124,547	3/4	109,541	
2	2	2	2	192,996	2	183,260	2	172,923	2	162,566	2	152,193	2	139,239	2	124,234	2	109,229	
1/4	1/4	1/4	1/4	192,872	1/4	183,044	1/4	172,708	1/4	162,350	1/4	151,977	1/4	138,927	1/4	123,922	1/4	108,916	
1/2	1/2	1/2	1/2	192,748	1/2	182,829	1/2	172,492	1/2	162,134	1/2	151,760	1/2	138,614	1/2	123,609	1/2	108,603	
3/4	3/4	3/4	3/4	192,624	3/4	182,614	3/4	172,277	3/4	161,917	3/4	151,544	3/4	138,301	3/4	123,296	3/4	108,290	
3	3	3	3	192,465	3	182,398	3	172,062	3	161,701	3	151,328	3	137,989	3	122,984	3	107,978	
1/4	1/4	1/4	1/4	192,305	1/4	182,183	1/4	171,846	1/4	161,485	1/4	151,112	1/4	137,676	1/4	122,671	1/4	107,665	
1/2	1/2	1/2	1/2	192,145	1/2	181,968	1/2	171,631	1/2	161,269	1/2	150,896	1/2	137,364	1/2	122,358	1/2	107,352	
3/4	3/4	3/4	3/4	191,986	3/4	181,752	3/4	171,416	3/4	161,053	3/4	150,680	3/4	137,051	3/4	122,046	3/4	107,039	
4	4	4	4	191,792	4	181,537	4	171,200	4	160,837	4	150,460	4	136,738	4	121,733	4	106,726	
1/4	1/4	1/4	1/4	191,599	1/4	181,321	1/4	170,985	1/4	160,621	1/4	150,241	1/4	136,426	1/4	121,421	1/4	106,413	
1/2	1/2	1/2	1/2	191,406	1/2	181,106	1/2	170,770	1/2	160,405	1/2	150,021	1/2	136,113	1/2	121,108	1/2	106,100	
3/4	3/4	3/4	3/4	191,213	3/4	180,891	3/4	170,554	3/4	160,189	3/4	149,801	3/4	135,801	3/4	120,795	3/4	105,787	
5	5	5	5	191,001	5	180,675	5	170,339	5	159,973	5	149,570	5	135,488	5	120,483	5	105,474	
1/4	1/4	1/4	1/4	190,789	1/4	180,460	1/4	170,123	1/4	159,756	1/4	149,339	1/4	135,175	1/4	120,170	1/4	105,161	
1/2	1/2	1/2	1/2	190,578	1/2	180,245	1/2	169,908	1/2	159,540	1/2	149,107	1/2	134,863	1/2	119,858	1/2	104,848	
3/4	3/4	3/4	3/4	190,366	3/4	180,029	3/4	169,693	3/4	159,324	3/4	148,876	3/4	134,550	3/4	119,545	3/4	104,535	
6	6	6	6	190,151	6	179,814	6	169,477	6	159,108	6	148,629	6	134,238	6	119,232	6	104,222	
1/4	1/4	1/4	1/4	189,936	1/4	179,599	1/4	169,262	1/4	158,892	1/4	148,381	1/4	133,925	1/4	118,920	1/4	103,909	
1/2	1/2	1/2	1/2	189,721	1/2	179,383	1/2	169,047	1/2	158,676	1/2	148,134	1/2	133,612	1/2	118,607	1/2	103,596	
3/4	3/4	3/4	3/4	189,506	3/4	179,168	3/4	168,831	3/4	158,460	3/4	147,886	3/4	133,300	3/4	118,295	3/4	103,283	
7	7	7	7	189,290	7	178,953	7	168,616	7	158,244	7	147,623	7	132,987	7	117,982	7	102,970	
1/4	1/4	1/4	1/4	189,075	1/4	178,737	1/4	168,400	1/4	158,028	1/4	147,360	1/4	132,675	1/4	117,669	1/4	102,657	
1/2	1/2	1/2	1/2	188,859	1/2	178,522	1/2	168,184	1/2	157,811	1/2	147,096	1/2	132,362	1/2	117,357	1/2	102,344	
3/4	3/4	3/4	3/4	188,644	3/4	178,307	3/4	167,968	3/4	157,595	3/4	146,833	3/4	132,049	3/4	117,044	3/4	102,031	
8	8	8	8	188,428	8	178,091	8	167,752	8	157,379	8	146,553	8	131,737	8	116,732	8	101,718	
1/4	1/4	1/4	1/4	188,213	1/4	177,876	1/4	167,536	1/4	157,163	1/4	146,274	1/4	131,424	1/4	116,419	1/4	101,404	
1/2	1/2	1/2	1/2	187,998	1/2	177,661	1/2	167,320	1/2	156,947	1/2	145,995	1/2	131,112	1/2	116,106	1/2	101,091	
3/4	3/4	3/4	3/4	187,782	3/4	177,445	3/4	167,104	3/4	156,731	3/4	145,715	3/4	130,799	3/4	115,794	3/4	100,778	
9	9	9	9	187,567	9	177,230	9	166,888	9	156,515	9	145,420	9	130,486	9	115,481	9	100,465	
1/4	1/4	1/4	1/4	187,351	1/4	177,015	1/4	166,672	1/4	156,299	1/4	145,124	1/4	130,174	1/4	115,168	1/4	100,152	
1/2	1/2	1/2	1/2	187,136	1/2	176,799	1/2	166,456	1/2	156,083	1/2	144,829	1/2	129,861	1/2	114,856	1/2	99,839	
3/4	3/4	3/4	3/4	186,921	3/4	176,584	3/4	166,240	3/4	155,866	3/4	144,533	3/4	129,548	3/4	114,543	3/4	99,526	
10	10	10	10	186,705	10	176,369	10	166,024	10	155,650	10	144,225	10	129,236	10	114,231	10	99,213	
1/4	1/4	1/4	1/4	186,490	1/4	176,153	1/4	165,807	1/4	155,434	1/4	143,918	1/4	128,923	1/4	113,918	1/4	98,900	
1/2	1/2	1/2	1/2	186,274	1/2	175,938	1/2	165,591	1/2	155,218	1/2	143,610	1/2	128,611	1/2	113,605	1/2	98,587	
3/4	3/4	3/4	3/4	186,059	3/4	175,722	3/4	165,375	3/4	155,002	3/4	143,302	3/4	128,298	3/4	113,293	3/4	98,274	
11	11	11	11	185,844	11	175,507	11	165,159	11	154,786	11	142,989	11	127,985	11	112,980	11	97,961	
1/4	1/4	1/4	1/4	185,628	1/4	175,292	1/4	164,943	1/4	154,570	1/4	142,677	1/4	127,673	1/4	112,668	1/4	97,648	
1/2	1/2	1/2	1/2	185,413	1/2	175,076	1/2	164,727	1/2	154,354	1/2	142,365	1/2	127,360	1/2	112,355	1/2	97,335	
3/4	3/4	3/4	3/4	185,198	3/4	174,861	3/4	164,511	3/4	154,138	3/4	142,053	3/4	127,048	3/4	112,042	3/4	97,022	

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 3022"

3 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	81,684	0	66,659	0	51,633	0	36,624	0	21,601	0	6,577	0		0		0		0	
1/4	81,371	1/4	66,346	1/4	51,320	1/4	36,311	1/4	21,288	1/4	6,264	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,058	1/2	66,033	1/2	51,007	1/2	35,999	1/2	20,975	1/2	5,951	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,745	3/4	65,720	3/4	50,694	3/4	35,686	3/4	20,662	3/4	5,638	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	80,432	1	65,407	1	50,381	1	35,373	1	20,349	1	5,325	1	1	1	1	1	1	1	1
1/4	80,119	1/4	65,094	1/4	50,068	1/4	35,061	1/4	20,036	1/4	5,012	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	79,806	1/2	64,781	1/2	49,755	1/2	34,748	1/2	19,723	1/2	4,699	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,493	3/4	64,467	3/4	49,442	3/4	34,435	3/4	19,410	3/4	4,387	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	79,180	2	64,154	2	49,129	2	34,122	2	19,097	2	4,075	2	2	2	2	2	2	2	2
1/4	78,867	1/4	63,841	1/4	48,816	1/4	33,809	1/4	18,784	1/4	3,763	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,554	1/2	63,528	1/2	48,503	1/2	33,496	1/2	18,471	1/2	3,451	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,241	3/4	63,215	3/4	48,190	3/4	33,183	3/4	18,158	3/4	3,138	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	77,928	3	62,902	3	47,877	3	32,870	3	17,845	3	2,846	3	3	3	3	3	3	3	3
1/4	77,615	1/4	62,589	1/4	47,564	1/4	32,557	1/4	17,532	1/4	2,553	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,302	1/2	62,276	1/2	47,251	1/2	32,244	1/2	17,219	1/2	2,260	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,989	3/4	61,963	3/4	46,939	3/4	31,931	3/4	16,906	3/4	1,968	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	76,675	4	61,650	4	46,626	4	31,618	4	16,593	4	1,733	4	4	4	4	4	4	4	4
1/4	76,362	1/4	61,337	1/4	46,313	1/4	31,305	1/4	16,280	1/4	1,498	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,049	1/2	61,024	1/2	46,000	1/2	30,992	1/2	15,967	1/2	1,264	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,736	3/4	60,711	3/4	45,688	3/4	30,679	3/4	15,654	3/4	1,029	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	75,423	5	60,398	5	45,375	5	30,366	5	15,341	5		5	5	5	5	5	5	5	5
1/4	75,110	1/4	60,085	1/4	45,062	1/4	30,053	1/4	15,028	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,797	1/2	59,772	1/2	44,750	1/2	29,740	1/2	14,715	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,484	3/4	59,459	3/4	44,437	3/4	29,427	3/4	14,402	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	74,171	6	59,146	6	44,124	6	29,114	6	14,089	6	6	6	6	6	6	6	6	6	6
1/4	73,858	1/4	58,833	1/4	43,812	1/4	28,801	1/4	13,776	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,545	1/2	58,520	1/2	43,499	1/2	28,488	1/2	13,463	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,232	3/4	58,207	3/4	43,187	3/4	28,175	3/4	13,150	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	72,919	7	57,894	7	42,874	7	27,862	7	12,837	7	7	7	7	7	7	7	7	7	7
1/4	72,606	1/4	57,581	1/4	42,562	1/4	27,549	1/4	12,524	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,293	1/2	57,268	1/2	42,249	1/2	27,236	1/2	12,211	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,980	3/4	56,955	3/4	41,937	3/4	26,923	3/4	11,898	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	71,667	8	56,642	8	41,624	8	26,610	8	11,585	8	8	8	8	8	8	8	8	8	8
1/4	71,354	1/4	56,329	1/4	41,312	1/4	26,297	1/4	11,272	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,041	1/2	56,016	1/2	40,999	1/2	25,984	1/2	10,959	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70,728	3/4	55,703	3/4	40,687	3/4	25,671	3/4	10,646	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	70,415	9	55,390	9	40,374	9	25,358	9	10,333	9	9	9	9	9	9	9	9	9	9
1/4	70,102	1/4	55,077	1/4	40,062	1/4	25,045	1/4	10,020	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	69,789	1/2	54,764	1/2	39,749	1/2	24,732	1/2	9,707	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69,476	3/4	54,451	3/4	39,437	3/4	24,419	3/4	9,394	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	69,163	10	54,138	10	39,124	10	24,106	10	9,081	10	10	10	10	10	10	10	10	10	10
1/4	68,850	1/4	53,825	1/4	38,811	1/4	23,793	1/4	8,768	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,537	1/2	53,512	1/2	38,499	1/2	23,480	1/2	8,455	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,224	3/4	53,199	3/4	38,186	3/4	23,166	3/4	8,142	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	67,911	11	52,886	11	37,874	11	22,853	11	7,829	11	11	11	11	11	11	11	11	11	11
1/4	67,598	1/4	52,573	1/4	37,561	1/4	22,540	1/4	7,516	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,285	1/2	52,259	1/2	37,249	1/2	22,227	1/2	7,203	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,972	3/4	51,946	3/4	36,936	3/4	21,914	3/4	6,890	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019

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



BARGE "HSM 3022"

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: 10/09/2019 CL
CALCULATED: 10/10/2019 CL
PRINTED: 10/10/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019

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



BARGE "HSM 3022"

STBD SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-08"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	4,330	0	3,175	0	2,021	0	866	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	4,306	1/4	3,151	1/4	1,997	1/4	842	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1/2	1/2	4,282	1/2	3,127	1/2	1,973	1/2	818	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	3/4	3/4	4,258	3/4	3,103	3/4	1,949	3/4	794	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
1	1	1	4,234	1	3,079	1	1,925	1	770	1	0	1	0	1	0	1	0	1	0
1/4	1/4	1/4	4,210	1/4	3,054	1/4	1,901	1/4	746	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1/2	1/2	4,185	1/2	3,030	1/2	1,877	1/2	722	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	3/4	3/4	4,161	3/4	3,006	3/4	1,853	3/4	698	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
2	2	2	4,137	2	2,982	2	1,829	2	674	2	0	2	0	2	0	2	0	2	0
1/4	1/4	1/4	4,113	1/4	2,958	1/4	1,805	1/4	650	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1/2	1/2	4,089	1/2	2,934	1/2	1,780	1/2	626	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	3/4	3/4	4,065	3/4	2,910	3/4	1,756	3/4	602	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
3	3	5,140	4,041	3	2,886	3	1,732	3	578	3	0	3	0	3	0	3	0	3	0
1/4	1/4	5,128	4,017	1/4	2,862	1/4	1,708	1/4	553	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1/2	5,117	3,993	1/2	2,838	1/2	1,684	1/2	529	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	3/4	5,105	3,969	3/4	2,814	3/4	1,660	3/4	505	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
4	4	5,093	3,945	4	2,790	4	1,636	4	481	4	0	4	0	4	0	4	0	4	0
1/4	1/4	5,070	3,921	1/4	2,766	1/4	1,612	1/4	457	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1/2	5,046	3,897	1/2	2,742	1/2	1,588	1/2	433	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	3/4	5,023	3,873	3/4	2,718	3/4	1,564	3/4	409	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
5	5	4,999	3,849	5	2,694	5	1,540	5	385	5	0	5	0	5	0	5	0	5	0
1/4	1/4	4,975	3,825	1/4	2,670	1/4	1,516	1/4	361	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1/2	4,952	3,800	1/2	2,646	1/2	1,492	1/2	337	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	3/4	4,928	3,776	3/4	2,622	3/4	1,468	3/4	313	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
6	6	4,904	3,752	6	2,597	6	1,444	6	289	6	0	6	0	6	0	6	0	6	0
1/4	1/4	4,881	3,728	1/4	2,574	1/4	1,419	1/4	265	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1/2	4,857	3,704	1/2	2,550	1/2	1,395	1/2	241	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	3/4	4,833	3,680	3/4	2,526	3/4	1,371	3/4	217	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
7	7	4,810	3,656	7	2,502	7	1,347	7	193	7	0	7	0	7	0	7	0	7	0
1/4	1/4	4,786	3,632	1/4	2,478	1/4	1,323	1/4	168	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1/2	4,762	3,608	1/2	2,454	1/2	1,299	1/2	144	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	3/4	4,739	3,584	3/4	2,430	3/4	1,275	3/4	120	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
8	8	4,715	3,560	8	2,406	8	1,251	8	96	8	0	8	0	8	0	8	0	8	0
1/4	1/4	4,691	3,536	1/4	2,382	1/4	1,227	1/4	72	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1/2	4,667	3,512	1/2	2,358	1/2	1,203	1/2	48	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	3/4	4,643	3,488	3/4	2,334	3/4	1,179	3/4	24	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
9	9	4,619	3,464	9	2,310	9	1,155	9	0	9	0	9	0	9	0	9	0	9	0
1/4	1/4	4,595	3,440	1/4	2,286	1/4	1,131	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1/2	4,570	3,415	1/2	2,262	1/2	1,107	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	3/4	4,546	3,391	3/4	2,238	3/4	1,083	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
10	10	4,522	3,367	10	2,214	10	1,059	10	0	10	0	10	0	10	0	10	0	10	0
1/4	1/4	4,498	3,343	1/4	2,190	1/4	1,035	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1/2	4,474	3,319	1/2	2,165	1/2	1,011	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	3/4	4,450	3,295	3/4	2,141	3/4	987	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
11	11	4,426	3,271	11	2,117	11	963	11	0	11	0	11	0	11	0	11	0	11	0
1/4	1/4	4,402	3,247	1/4	2,093	1/4	938	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1/2	4,378	3,223	1/2	2,069	1/2	914	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	3/4	4,354	3,199	3/4	2,045	3/4	890	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0

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: 10/09/2019 CL
CALCULATED: 10/10/2019 CL
PRINTED: 10/10/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019

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