



BARGE "HSM 3040"

ULLAGE TRIM TABLE 8" GAUGE HATCH

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 238'-06"

February 18, 2020

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

<http://www.pmacorp.net>



BARGE "HSM 3040"

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	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
1 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
2 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8
2 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
3 PORT	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
3 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 238'-06"

February 19, 2020

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HSM 3040"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	199,812	0	184,814	0	169,799	0	154,757	0	139,715	0	124,674	0	109,632	0	94,584		
1/4	1/4	1/4	199,499	1/4	184,501	1/4	169,486	1/4	154,444	1/4	139,402	1/4	124,360	1/4	109,318	1/4	94,270		
1/2	1/2	1/2	199,187	1/2	184,189	1/2	169,173	1/2	154,131	1/2	139,089	1/2	124,047	1/2	109,005	1/2	93,957		
3/4	3/4	3/4	198,874	3/4	183,876	3/4	168,859	3/4	153,817	3/4	138,775	3/4	123,733	3/4	108,691	3/4	93,643		
1	1	1	198,562	1	183,564	1	168,546	1	153,504	1	138,462	1	123,420	1	108,378	1	93,330		
1/4	1/4	1/4	198,250	1/4	183,252	1/4	168,232	1/4	153,191	1/4	138,149	1/4	123,107	1/4	108,065	1/4	93,016		
1/2	1/2	1/2	197,937	1/2	182,939	1/2	167,919	1/2	152,877	1/2	137,835	1/2	122,793	1/2	107,751	1/2	92,703		
3/4	3/4	3/4	197,625	3/4	182,627	3/4	167,606	3/4	152,564	3/4	137,522	3/4	122,480	3/4	107,438	3/4	92,389		
2	2	2	211,258	2	197,312	2	182,314	2	167,292	2	152,250	2	137,208	2	122,167	2	107,124	2	92,076
1/4	1/4	1/4	211,078	1/4	197,000	1/4	182,002	1/4	166,979	1/4	151,937	1/4	136,895	1/4	121,853	1/4	106,811	1/4	91,762
1/2	1/2	1/2	210,898	1/2	196,687	1/2	181,689	1/2	166,666	1/2	151,624	1/2	136,582	1/2	121,540	1/2	106,497	1/2	91,449
3/4	3/4	3/4	210,719	3/4	196,375	3/4	181,377	3/4	166,352	3/4	151,310	3/4	136,268	3/4	121,226	3/4	106,184	3/4	91,135
3	3	3	210,539	3	196,062	3	181,064	3	166,039	3	150,997	3	135,955	3	120,913	3	105,870	3	90,822
1/4	1/4	1/4	210,307	1/4	195,750	1/4	180,752	1/4	165,725	1/4	150,684	1/4	135,642	1/4	120,600	1/4	105,557	1/4	90,508
1/2	1/2	1/2	210,075	1/2	195,437	1/2	180,439	1/2	165,412	1/2	150,370	1/2	135,328	1/2	120,286	1/2	105,243	1/2	90,195
3/4	3/4	3/4	209,843	3/4	195,125	3/4	180,127	3/4	165,099	3/4	150,057	3/4	135,015	3/4	119,973	3/4	104,930	3/4	89,881
4	4	4	209,610	4	194,813	4	179,814	4	164,785	4	149,743	4	134,701	4	119,660	4	104,616	4	89,568
1/4	1/4	1/4	209,330	1/4	194,500	1/4	179,502	1/4	164,472	1/4	149,430	1/4	134,388	1/4	119,346	1/4	104,303	1/4	89,254
1/2	1/2	1/2	209,049	1/2	194,188	1/2	179,190	1/2	164,159	1/2	149,117	1/2	134,075	1/2	119,033	1/2	103,989	1/2	88,941
3/4	3/4	3/4	208,769	3/4	193,875	3/4	178,877	3/4	163,845	3/4	148,803	3/4	133,761	3/4	118,719	3/4	103,676	3/4	88,627
5	5	5	208,488	5	193,563	5	178,565	5	163,532	5	148,490	5	133,448	5	118,406	5	103,362	5	88,314
1/4	1/4	1/4	208,182	1/4	193,250	1/4	178,252	1/4	163,218	1/4	148,177	1/4	133,135	1/4	118,093	1/4	103,049	1/4	88,000
1/2	1/2	1/2	207,876	1/2	192,938	1/2	177,940	1/2	162,905	1/2	147,863	1/2	132,821	1/2	117,779	1/2	102,735	1/2	87,687
3/4	3/4	3/4	207,569	3/4	192,625	3/4	177,627	3/4	162,592	3/4	147,550	3/4	132,508	3/4	117,466	3/4	102,422	3/4	87,373
6	6	6	207,263	6	192,313	6	177,315	6	162,278	6	147,236	6	132,194	6	117,153	6	102,108	6	87,060
1/4	1/4	1/4	206,953	1/4	192,000	1/4	177,002	1/4	161,965	1/4	146,923	1/4	131,881	1/4	116,839	1/4	101,795	1/4	86,746
1/2	1/2	1/2	206,643	1/2	191,688	1/2	176,690	1/2	161,652	1/2	146,610	1/2	131,568	1/2	116,526	1/2	101,481	1/2	86,433
3/4	3/4	3/4	206,333	3/4	191,375	3/4	176,377	3/4	161,338	3/4	146,296	3/4	131,254	3/4	116,212	3/4	101,168	3/4	86,119
7	7	7	206,023	7	191,063	7	176,065	7	161,025	7	145,983	7	130,941	7	115,899	7	100,854	7	85,806
1/4	1/4	1/4	205,713	1/4	190,751	1/4	175,752	1/4	160,711	1/4	145,670	1/4	130,628	1/4	115,586	1/4	100,541	1/4	85,492
1/2	1/2	1/2	205,403	1/2	190,438	1/2	175,439	1/2	160,398	1/2	145,356	1/2	130,314	1/2	115,272	1/2	100,227	1/2	85,179
3/4	3/4	3/4	205,092	3/4	190,126	3/4	175,126	3/4	160,085	3/4	145,043	3/4	130,001	3/4	114,959	3/4	99,914	3/4	84,865
8	8	8	204,782	8	189,813	8	174,813	8	159,771	8	144,729	8	129,687	8	114,646	8	99,600	8	84,552
1/4	1/4	1/4	204,472	1/4	189,501	1/4	174,500	1/4	159,458	1/4	144,416	1/4	129,374	1/4	114,332	1/4	99,287	1/4	84,238
1/2	1/2	1/2	204,161	1/2	189,188	1/2	174,187	1/2	159,145	1/2	144,103	1/2	129,061	1/2	114,019	1/2	98,973	1/2	83,925
3/4	3/4	3/4	203,851	3/4	188,876	3/4	173,873	3/4	158,831	3/4	143,789	3/4	128,747	3/4	113,705	3/4	98,660	3/4	83,611
9	9	9	203,540	9	188,563	9	173,560	9	158,518	9	143,476	9	128,434	9	113,392	9	98,346	9	83,298
1/4	1/4	1/4	203,230	1/4	188,251	1/4	173,246	1/4	158,204	1/4	143,163	1/4	128,121	1/4	113,079	1/4	98,033	1/4	82,984
1/2	1/2	1/2	202,919	1/2	187,938	1/2	172,933	1/2	157,891	1/2	142,849	1/2	127,807	1/2	112,765	1/2	97,719	1/2	82,671
3/4	3/4	3/4	202,609	3/4	187,626	3/4	172,620	3/4	157,578	3/4	142,536	3/4	127,494	3/4	112,452	3/4	97,406	3/4	82,357
10	10	10	202,299	10	187,313	10	172,306	10	157,264	10	142,222	10	127,180	10	112,139	10	97,092	10	82,044
1/4	1/4	1/4	201,988	1/4	187,001	1/4	171,993	1/4	156,951	1/4	141,909	1/4	126,867	1/4	111,825	1/4	96,778	1/4	81,730
1/2	1/2	1/2	201,678	1/2	186,689	1/2	171,680	1/2	156,638	1/2	141,596	1/2	126,554	1/2	111,512	1/2	96,465	1/2	81,417
3/4	3/4	3/4	201,368	3/4	186,376	3/4	171,366	3/4	156,324	3/4	141,282	3/4	126,240	3/4	111,198	3/4	96,151	3/4	81,103
11	11	11	201,057	11	186,064	11	171,053	11	156,011	11	140,969	11	125,927	11	110,885	11	95,838	11	80,790
1/4	1/4	1/4	200,746	1/4	185,751	1/4	170,739	1/4	155,697	1/4	140,656	1/4	125,614	1/4	110,572	1/4	95,524	1/4	80,476
1/2	1/2	1/2	200,435	1/2	185,439	1/2	170,426	1/2	155,384	1/2	140,342	1/2	125,300	1/2	110,258	1/2	95,211	1/2	80,162
3/4	3/4	3/4	200,123	3/4	185,126	3/4	170,113	3/4	155,071	3/4	140,029	3/4	124,987	3/4	109,945	3/4	94,897	3/4	79,849

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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BARGE "HSM 3040"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	79,535	0	64,488	0	49,541	0	34,495	0	19,447	0	5,252	0		0		0		0	
1/4	79,222	1/4	64,175	1/4	49,228	1/4	34,182	1/4	19,134	1/4	4,981	1/4		1/4		1/4		1/4	
1/2	78,908	1/2	63,863	1/2	48,915	1/2	33,868	1/2	18,820	1/2	4,710	1/2		1/2		1/2		1/2	
3/4	78,595	3/4	63,551	3/4	48,602	3/4	33,555	3/4	18,507	3/4	4,439	3/4		3/4		3/4		3/4	
1	78,281	1	63,239	1	48,289	1	33,241	1	18,193	1	4,168	1		1		1		1	
1/4	77,968	1/4	62,927	1/4	47,976	1/4	32,928	1/4	17,881	1/4	3,901	1/4		1/4		1/4		1/4	
1/2	77,654	1/2	62,616	1/2	47,662	1/2	32,614	1/2	17,568	1/2	3,634	1/2		1/2		1/2		1/2	
3/4	77,341	3/4	62,305	3/4	47,349	3/4	32,301	3/4	17,256	3/4	3,367	3/4		3/4		3/4		3/4	
2	77,027	2	61,994	2	47,035	2	31,987	2	16,943	2	3,100	2		2		2		2	
1/4	76,714	1/4	61,682	1/4	46,722	1/4	31,674	1/4	16,634	1/4	2,838	1/4		1/4		1/4		1/4	
1/2	76,400	1/2	61,371	1/2	46,408	1/2	31,360	1/2	16,324	1/2	2,576	1/2		1/2		1/2		1/2	
3/4	76,087	3/4	61,060	3/4	46,095	3/4	31,047	3/4	16,014	3/4	2,313	3/4		3/4		3/4		3/4	
3	75,773	3	60,749	3	45,781	3	30,733	3	15,705	3	2,051	3		3		3		3	
1/4	75,460	1/4	60,438	1/4	45,468	1/4	30,420	1/4	15,399	1/4	1,812	1/4		1/4		1/4		1/4	
1/2	75,146	1/2	60,126	1/2	45,154	1/2	30,106	1/2	15,093	1/2	1,573	1/2		1/2		1/2		1/2	
3/4	74,833	3/4	59,815	3/4	44,841	3/4	29,793	3/4	14,787	3/4	1,334	3/4		3/4		3/4		3/4	
4	74,519	4	59,504	4	44,527	4	29,479	4	14,482	4	1,095	4		4		4		4	
1/4	74,206	1/4	59,193	1/4	44,214	1/4	29,166	1/4	14,180	1/4	918	1/4		1/4		1/4		1/4	
1/2	73,892	1/2	58,882	1/2	43,900	1/2	28,852	1/2	13,878	1/2	740	1/2		1/2		1/2		1/2	
3/4	73,579	3/4	58,571	3/4	43,587	3/4	28,539	3/4	13,576	3/4	563	3/4		3/4		3/4		3/4	
5	73,265	5	58,260	5	43,273	5	28,225	5	13,274	5	386	5		5		5		5	
1/4	72,952	1/4	57,949	1/4	42,960	1/4	27,912	1/4	12,976	1/4		1/4		1/4		1/4		1/4	
1/2	72,638	1/2	57,637	1/2	42,646	1/2	27,598	1/2	12,678	1/2		1/2		1/2		1/2		1/2	
3/4	72,325	3/4	57,326	3/4	42,333	3/4	27,285	3/4	12,380	3/4		3/4		3/4		3/4		3/4	
6	72,011	6	57,015	6	42,019	6	26,971	6	12,082	6		6		6		6		6	
1/4	71,698	1/4	56,704	1/4	41,706	1/4	26,658	1/4	11,787	1/4		1/4		1/4		1/4		1/4	
1/2	71,384	1/2	56,393	1/2	41,392	1/2	26,344	1/2	11,493	1/2		1/2		1/2		1/2		1/2	
3/4	71,071	3/4	56,082	3/4	41,079	3/4	26,031	3/4	11,199	3/4		3/4		3/4		3/4		3/4	
7	70,757	7	55,771	7	40,765	7	25,717	7	10,905	7		7		7		7		7	
1/4	70,444	1/4	55,459	1/4	40,452	1/4	25,404	1/4	10,614	1/4		1/4		1/4		1/4		1/4	
1/2	70,130	1/2	55,148	1/2	40,138	1/2	25,090	1/2	10,324	1/2		1/2		1/2		1/2		1/2	
3/4	69,817	3/4	54,837	3/4	39,825	3/4	24,777	3/4	10,034	3/4		3/4		3/4		3/4		3/4	
8	69,503	8	54,526	8	39,511	8	24,463	8	9,743	8		8		8		8		8	
1/4	69,190	1/4	54,215	1/4	39,198	1/4	24,150	1/4	9,457	1/4		1/4		1/4		1/4		1/4	
1/2	68,876	1/2	53,904	1/2	38,884	1/2	23,836	1/2	9,170	1/2		1/2		1/2		1/2		1/2	
3/4	68,563	3/4	53,593	3/4	38,571	3/4	23,523	3/4	8,884	3/4		3/4		3/4		3/4		3/4	
9	68,249	9	53,282	9	38,257	9	23,209	9	8,597	9		9		9		9		9	
1/4	67,936	1/4	52,970	1/4	37,944	1/4	22,896	1/4	8,315	1/4		1/4		1/4		1/4		1/4	
1/2	67,622	1/2	52,659	1/2	37,630	1/2	22,582	1/2	8,032	1/2		1/2		1/2		1/2		1/2	
3/4	67,309	3/4	52,347	3/4	37,317	3/4	22,269	3/4	7,750	3/4		3/4		3/4		3/4		3/4	
10	66,995	10	52,036	10	37,003	10	21,955	10	7,467	10		10		10		10		10	
1/4	66,682	1/4	51,724	1/4	36,690	1/4	21,642	1/4	7,188	1/4		1/4		1/4		1/4		1/4	
1/2	66,368	1/2	51,412	1/2	36,376	1/2	21,328	1/2	6,909	1/2		1/2		1/2		1/2		1/2	
3/4	66,055	3/4	51,101	3/4	36,063	3/4	21,015	3/4	6,631	3/4		3/4		3/4		3/4		3/4	
11	65,741	11	50,789	11	35,749	11	20,701	11	6,352	11		11		11		11		11	
1/4	65,428	1/4	50,477	1/4	35,436	1/4	20,388	1/4	6,077	1/4		1/4		1/4		1/4		1/4	
1/2	65,114	1/2	50,165	1/2	35,122	1/2	20,074	1/2	5,802	1/2		1/2		1/2		1/2		1/2	
3/4	64,801	3/4	49,853	3/4	34,809	3/4	19,761	3/4	5,527	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/18/2020 CL
CALCULATED: 02/18/2020 CL
PRINTED: 02/19/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2020

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



BARGE "HSM 3040"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	199,906	0	184,908	0	169,894	0	154,852	0	139,810	0	124,768	0	109,727	0	94,679	
1/4	1/4	1/4	1/4	199,594	1/4	184,596	1/4	169,581	1/4	154,539	1/4	139,497	1/4	124,455	1/4	109,413	1/4	94,366	
1/2	1/2	1/2	1/2	199,281	1/2	184,283	1/2	169,267	1/2	154,225	1/2	139,183	1/2	124,142	1/2	109,100	1/2	94,052	
3/4	3/4	3/4	3/4	198,969	3/4	183,971	3/4	168,954	3/4	153,912	3/4	138,870	3/4	123,828	3/4	108,787	3/4	93,739	
1	1	1	1	198,657	1	183,659	1	168,640	1	153,599	1	138,557	1	123,515	1	108,473	1	93,425	
1/4	1/4	1/4	1/4	198,344	1/4	183,346	1/4	168,327	1/4	153,285	1/4	138,243	1/4	123,202	1/4	108,160	1/4	93,112	
1/2	1/2	1/2	1/2	198,032	1/2	183,034	1/2	168,014	1/2	152,972	1/2	137,930	1/2	122,888	1/2	107,846	1/2	92,798	
3/4	3/4	3/4	3/4	197,719	3/4	182,721	3/4	167,700	3/4	152,658	3/4	137,617	3/4	122,575	3/4	107,533	3/4	92,485	
2	2	2	2	197,407	2	182,409	2	167,387	2	152,345	2	137,303	2	122,262	2	107,220	2	92,171	
1/4	1/4	1/4	1/4	197,094	1/4	182,096	1/4	167,074	1/4	152,032	1/4	136,990	1/4	121,948	1/4	106,906	1/4	91,858	
1/2	1/2	1/2	1/2	196,782	1/2	181,784	1/2	166,760	1/2	151,718	1/2	136,676	1/2	121,635	1/2	106,593	1/2	91,544	
3/4	3/4	3/4	3/4	196,469	3/4	181,471	3/4	166,447	3/4	151,405	3/4	136,363	3/4	121,321	3/4	106,279	3/4	91,231	
3	3	3	3	196,157	3	181,159	3	166,133	3	151,092	3	136,050	3	121,008	3	105,966	3	90,917	
1/4	1/4	1/4	1/4	195,844	1/4	180,846	1/4	165,820	1/4	150,778	1/4	135,736	1/4	120,695	1/4	105,652	1/4	90,604	
1/2	1/2	1/2	1/2	195,532	1/2	180,534	1/2	165,507	1/2	150,465	1/2	135,423	1/2	120,381	1/2	105,339	1/2	90,290	
3/4	3/4	3/4	3/4	195,220	3/4	180,221	3/4	165,193	3/4	150,151	3/4	135,110	3/4	120,068	3/4	105,025	3/4	89,977	
4	4	4	4	194,907	4	179,909	4	164,880	4	149,838	4	134,796	4	119,755	4	104,712	4	89,663	
1/4	1/4	1/4	1/4	194,595	1/4	179,597	1/4	164,567	1/4	149,525	1/4	134,483	1/4	119,441	1/4	104,398	1/4	89,350	
1/2	1/2	1/2	1/2	194,282	1/2	179,284	1/2	164,253	1/2	149,211	1/2	134,169	1/2	119,128	1/2	104,085	1/2	89,036	
3/4	3/4	3/4	3/4	193,970	3/4	178,972	3/4	163,940	3/4	148,898	3/4	133,856	3/4	118,814	3/4	103,771	3/4	88,723	
5	5	5	5	193,657	5	178,659	5	163,626	5	148,585	5	133,543	5	118,501	5	103,458	5	88,409	
1/4	1/4	1/4	1/4	193,345	1/4	178,347	1/4	163,313	1/4	148,271	1/4	133,229	1/4	118,188	1/4	103,144	1/4	88,096	
1/2	1/2	1/2	1/2	193,032	1/2	178,034	1/2	163,000	1/2	147,958	1/2	132,916	1/2	117,874	1/2	102,831	1/2	87,782	
3/4	3/4	3/4	3/4	192,720	3/4	177,722	3/4	162,686	3/4	147,644	3/4	132,603	3/4	117,561	3/4	102,517	3/4	87,469	
6	6	6	6	192,407	6	177,409	6	162,373	6	147,331	6	132,289	6	117,248	6	102,204	6	87,155	
1/4	1/4	1/4	1/4	192,095	1/4	177,097	1/4	162,060	1/4	147,018	1/4	131,976	1/4	116,934	1/4	101,890	1/4	86,842	
1/2	1/2	1/2	1/2	191,782	1/2	176,784	1/2	161,746	1/2	146,704	1/2	131,663	1/2	116,621	1/2	101,577	1/2	86,528	
3/4	3/4	3/4	3/4	191,470	3/4	176,472	3/4	161,433	3/4	146,391	3/4	131,349	3/4	116,308	3/4	101,263	3/4	86,215	
7	7	7	7	191,158	7	176,160	7	161,119	7	146,078	7	131,036	7	115,994	7	100,950	7	85,901	
1/4	1/4	1/4	1/4	190,845	1/4	175,847	1/4	160,806	1/4	145,764	1/4	130,722	1/4	115,681	1/4	100,636	1/4	85,588	
1/2	1/2	1/2	1/2	190,533	1/2	175,534	1/2	160,493	1/2	145,451	1/2	130,409	1/2	115,367	1/2	100,323	1/2	85,274	
3/4	3/4	3/4	3/4	190,220	3/4	175,221	3/4	160,179	3/4	145,137	3/4	130,096	3/4	115,054	3/4	100,009	3/4	84,961	
8	8	8	8	189,908	8	174,908	8	159,866	8	144,824	8	129,782	8	114,741	8	99,696	8	84,647	
1/4	1/4	1/4	1/4	189,595	1/4	174,594	1/4	159,553	1/4	144,511	1/4	129,469	1/4	114,427	1/4	99,382	1/4	84,334	
1/2	1/2	1/2	1/2	189,283	1/2	174,281	1/2	159,239	1/2	144,197	1/2	129,156	1/2	114,114	1/2	99,069	1/2	84,020	
3/4	3/4	3/4	3/4	188,970	3/4	173,968	3/4	158,926	3/4	143,884	3/4	128,842	3/4	113,801	3/4	98,755	3/4	83,707	
9	9	9	9	188,658	9	173,654	9	158,612	9	143,571	9	128,529	9	113,487	9	98,442	9	83,393	
1/4	1/4	1/4	1/4	188,345	1/4	173,341	1/4	158,299	1/4	143,257	1/4	128,215	1/4	113,174	1/4	98,128	1/4	83,080	
1/2	1/2	1/2	1/2	188,033	1/2	173,028	1/2	157,986	1/2	142,944	1/2	127,902	1/2	112,860	1/2	97,815	1/2	82,766	
3/4	3/4	3/4	3/4	187,720	3/4	172,714	3/4	157,672	3/4	142,630	3/4	127,589	3/4	112,547	3/4	97,501	3/4	82,453	
10	10	10	10	187,408	10	172,401	10	157,359	10	142,317	10	127,275	10	112,234	10	97,188	10	82,139	
1/4	1/4	1/4	1/4	187,096	1/4	172,088	1/4	157,046	1/4	142,004	1/4	126,962	1/4	111,920	1/4	96,874	1/4	81,826	
1/2	1/2	1/2	1/2	186,783	1/2	171,774	1/2	156,732	1/2	141,690	1/2	126,649	1/2	111,607	1/2	96,561	1/2	81,512	
3/4	3/4	3/4	3/4	186,471	3/4	171,461	3/4	156,419	3/4	141,377	3/4	126,335	3/4	111,294	3/4	96,247	3/4	81,199	
11	11	11	11	186,158	11	171,147	11	156,106	11	141,064	11	126,022	11	110,980	11	95,934	11	80,885	
1/4	1/4	1/4	1/4	185,846	1/4	170,834	1/4	155,792	1/4	140,750	1/4	125,709	1/4	110,667	1/4	95,620	1/4	80,572	
1/2	1/2	1/2	1/2	185,533	1/2	170,521	1/2	155,479	1/2	140,437	1/2	125,395	1/2	110,354	1/2	95,307	1/2	80,258	
3/4	3/4	3/4	3/4	185,221	3/4	170,207	3/4	155,165	3/4	140,124	3/4	125,082	3/4	110,040	3/4	94,993	3/4	79,945	

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 3040"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	79,631	0	64,583	0	49,543	0	34,495	0	19,447	0	5,252	0		0		0		0	
1/4	79,318	1/4	64,270	1/4	49,229	1/4	34,181	1/4	19,134	1/4	4,981	1/4		1/4		1/4		1/4	
1/2	79,004	1/2	63,956	1/2	48,916	1/2	33,868	1/2	18,820	1/2	4,710	1/2		1/2		1/2		1/2	
3/4	78,691	3/4	63,643	3/4	48,602	3/4	33,554	3/4	18,507	3/4	4,439	3/4		3/4		3/4		3/4	
1	78,377	1	63,329	1	48,289	1	33,241	1	18,193	1	4,168	1		1		1		1	
1/4	78,064	1/4	63,016	1/4	47,975	1/4	32,927	1/4	17,881	1/4	3,901	1/4		1/4		1/4		1/4	
1/2	77,750	1/2	62,702	1/2	47,662	1/2	32,614	1/2	17,568	1/2	3,634	1/2		1/2		1/2		1/2	
3/4	77,437	3/4	62,389	3/4	47,348	3/4	32,300	3/4	17,256	3/4	3,367	3/4		3/4		3/4		3/4	
2	77,123	2	62,075	2	47,035	2	31,987	2	16,943	2	3,101	2		2		2		2	
1/4	76,810	1/4	61,762	1/4	46,721	1/4	31,673	1/4	16,633	1/4	2,838	1/4		1/4		1/4		1/4	
1/2	76,496	1/2	61,449	1/2	46,408	1/2	31,360	1/2	16,324	1/2	2,576	1/2		1/2		1/2		1/2	
3/4	76,183	3/4	61,135	3/4	46,094	3/4	31,046	3/4	16,014	3/4	2,313	3/4		3/4		3/4		3/4	
3	75,869	3	60,822	3	45,781	3	30,733	3	15,704	3	2,051	3		3		3		3	
1/4	75,556	1/4	60,509	1/4	45,467	1/4	30,419	1/4	15,399	1/4	1,812	1/4		1/4		1/4		1/4	
1/2	75,242	1/2	60,196	1/2	45,154	1/2	30,106	1/2	15,093	1/2	1,573	1/2		1/2		1/2		1/2	
3/4	74,929	3/4	59,882	3/4	44,840	3/4	29,792	3/4	14,787	3/4	1,334	3/4		3/4		3/4		3/4	
4	74,615	4	59,569	4	44,527	4	29,479	4	14,481	4	1,095	4		4		4		4	
1/4	74,302	1/4	59,256	1/4	44,213	1/4	29,165	1/4	14,179	1/4	918	1/4		1/4		1/4		1/4	
1/2	73,988	1/2	58,942	1/2	43,900	1/2	28,852	1/2	13,878	1/2	740	1/2		1/2		1/2		1/2	
3/4	73,675	3/4	58,629	3/4	43,586	3/4	28,538	3/4	13,576	3/4	563	3/4		3/4		3/4		3/4	
5	73,361	5	58,316	5	43,273	5	28,225	5	13,274	5	386	5		5		5		5	
1/4	73,048	1/4	58,003	1/4	42,959	1/4	27,911	1/4	12,976	1/4		1/4		1/4		1/4		1/4	
1/2	72,734	1/2	57,689	1/2	42,646	1/2	27,598	1/2	12,678	1/2		1/2		1/2		1/2		1/2	
3/4	72,421	3/4	57,376	3/4	42,332	3/4	27,284	3/4	12,380	3/4		3/4		3/4		3/4		3/4	
6	72,107	6	57,063	6	42,019	6	26,971	6	12,082	6		6		6		6		6	
1/4	71,794	1/4	56,750	1/4	41,705	1/4	26,657	1/4	11,787	1/4		1/4		1/4		1/4		1/4	
1/2	71,480	1/2	56,436	1/2	41,392	1/2	26,344	1/2	11,493	1/2		1/2		1/2		1/2		1/2	
3/4	71,167	3/4	56,123	3/4	41,078	3/4	26,030	3/4	11,199	3/4		3/4		3/4		3/4		3/4	
7	70,853	7	55,810	7	40,765	7	25,717	7	10,905	7		7		7		7		7	
1/4	70,540	1/4	55,496	1/4	40,451	1/4	25,403	1/4	10,614	1/4		1/4		1/4		1/4		1/4	
1/2	70,226	1/2	55,183	1/2	40,138	1/2	25,090	1/2	10,324	1/2		1/2		1/2		1/2		1/2	
3/4	69,913	3/4	54,870	3/4	39,824	3/4	24,777	3/4	10,034	3/4		3/4		3/4		3/4		3/4	
8	69,599	8	54,557	8	39,511	8	24,463	8	9,743	8		8		8		8		8	
1/4	69,286	1/4	54,243	1/4	39,197	1/4	24,150	1/4	9,457	1/4		1/4		1/4		1/4		1/4	
1/2	68,972	1/2	53,930	1/2	38,884	1/2	23,836	1/2	9,170	1/2		1/2		1/2		1/2		1/2	
3/4	68,659	3/4	53,617	3/4	38,570	3/4	23,523	3/4	8,884	3/4		3/4		3/4		3/4		3/4	
9	68,345	9	53,304	9	38,257	9	23,209	9	8,597	9		9		9		9		9	
1/4	68,032	1/4	52,990	1/4	37,943	1/4	22,896	1/4	8,315	1/4		1/4		1/4		1/4		1/4	
1/2	67,718	1/2	52,677	1/2	37,630	1/2	22,582	1/2	8,032	1/2		1/2		1/2		1/2		1/2	
3/4	67,405	3/4	52,364	3/4	37,316	3/4	22,269	3/4	7,750	3/4		3/4		3/4		3/4		3/4	
10	67,091	10	52,050	10	37,003	10	21,955	10	7,467	10		10		10		10		10	
1/4	66,778	1/4	51,737	1/4	36,689	1/4	21,642	1/4	7,188	1/4		1/4		1/4		1/4		1/4	
1/2	66,464	1/2	51,423	1/2	36,376	1/2	21,328	1/2	6,909	1/2		1/2		1/2		1/2		1/2	
3/4	66,151	3/4	51,110	3/4	36,062	3/4	21,015	3/4	6,631	3/4		3/4		3/4		3/4		3/4	
11	65,837	11	50,796	11	35,749	11	20,701	11	6,352	11		11		11		11		11	
1/4	65,524	1/4	50,483	1/4	35,435	1/4	20,388	1/4	6,077	1/4		1/4		1/4		1/4		1/4	
1/2	65,210	1/2	50,169	1/2	35,122	1/2	20,074	1/2	5,802	1/2		1/2		1/2		1/2		1/2	
3/4	64,897	3/4	49,856	3/4	34,808	3/4	19,761	3/4	5,527	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/18/2020 CL
CALCULATED: 02/18/2020 CL
PRINTED: 02/19/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "HSM 3040"

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	0	0	201,911	0	186,895	0	171,860	0	156,792	0	141,723	0	126,655	0	111,587	0	96,512
1/4	1/4	1/4	1/4	1/4	201,599	1/4	186,582	1/4	171,546	1/4	156,478	1/4	141,409	1/4	126,341	1/4	111,273	1/4	96,198
1/2	1/2	1/2	1/2	1/2	201,286	1/2	186,269	1/2	171,232	1/2	156,164	1/2	141,096	1/2	126,027	1/2	110,959	1/2	95,884
3/4	3/4	3/4	3/4	3/4	200,974	3/4	185,956	3/4	170,918	3/4	155,850	3/4	140,782	3/4	125,713	3/4	110,645	3/4	95,570
1	1	1	1	1	200,661	1	185,644	1	170,604	1	155,536	1	140,468	1	125,399	1	110,331	1	95,256
1/4	1/4	1/4	1/4	1/4	200,348	1/4	185,331	1/4	170,290	1/4	155,222	1/4	140,154	1/4	125,086	1/4	110,017	1/4	94,942
1/2	1/2	1/2	1/2	1/2	200,035	1/2	185,018	1/2	169,976	1/2	154,908	1/2	139,840	1/2	124,772	1/2	109,703	1/2	94,628
3/4	3/4	3/4	3/4	3/4	199,722	3/4	184,705	3/4	169,662	3/4	154,594	3/4	139,526	3/4	124,458	3/4	109,389	3/4	94,314
2	2	2	2	2	199,409	2	184,392	2	169,348	2	154,280	2	139,212	2	124,144	2	109,075	2	94,000
1/4	1/4	1/4	1/4	1/4	199,096	1/4	184,079	1/4	169,035	1/4	153,966	1/4	138,898	1/4	123,830	1/4	108,761	1/4	93,686
1/2	1/2	1/2	1/2	1/2	212,845	1/2	198,784	1/2	183,766	1/2	168,721	1/2	153,652	1/2	138,584	1/2	123,516	1/2	108,447
3/4	3/4	3/4	3/4	3/4	212,666	3/4	198,471	3/4	183,454	3/4	168,407	3/4	153,338	3/4	138,270	3/4	123,202	3/4	108,133
3	3	3	3	3	212,487	3	198,158	3	183,141	3	168,093	3	153,025	3	137,956	3	122,888	3	107,819
1/4	1/4	1/4	1/4	1/4	212,308	1/4	197,845	1/4	182,828	1/4	167,779	1/4	152,711	1/4	137,642	1/4	122,574	1/4	107,505
1/2	1/2	1/2	1/2	1/2	212,076	1/2	197,532	1/2	182,515	1/2	167,465	1/2	152,397	1/2	137,328	1/2	122,260	1/2	107,191
3/4	3/4	3/4	3/4	3/4	211,845	3/4	197,219	3/4	182,202	3/4	167,151	3/4	152,083	3/4	137,015	3/4	121,946	3/4	106,877
4	4	4	4	4	211,613	4	196,906	4	181,889	4	166,837	4	151,769	4	136,701	4	121,632	4	106,563
1/4	1/4	1/4	1/4	1/4	211,382	1/4	196,594	1/4	181,576	1/4	166,523	1/4	151,455	1/4	136,387	1/4	121,319	1/4	106,249
1/2	1/2	1/2	1/2	1/2	211,102	1/2	196,281	1/2	181,264	1/2	166,209	1/2	151,141	1/2	136,073	1/2	121,005	1/2	105,935
3/4	3/4	3/4	3/4	3/4	210,822	3/4	195,968	3/4	180,951	3/4	165,895	3/4	150,827	3/4	135,759	3/4	120,691	3/4	105,621
5	5	5	5	5	210,542	5	195,655	5	180,638	5	165,581	5	150,513	5	135,445	5	120,377	5	105,306
1/4	1/4	1/4	1/4	1/4	210,262	1/4	195,342	1/4	180,325	1/4	165,268	1/4	150,199	1/4	135,131	1/4	120,063	1/4	104,992
1/2	1/2	1/2	1/2	1/2	209,957	1/2	195,029	1/2	180,012	1/2	164,954	1/2	149,885	1/2	134,817	1/2	119,749	1/2	104,678
3/4	3/4	3/4	3/4	3/4	209,651	3/4	194,716	3/4	179,699	3/4	164,640	3/4	149,571	3/4	134,503	3/4	119,435	3/4	104,364
6	6	6	6	6	209,345	6	194,404	6	179,387	6	164,326	6	149,258	6	134,189	6	119,121	6	104,050
1/4	1/4	1/4	1/4	1/4	209,039	1/4	194,091	1/4	179,074	1/4	164,012	1/4	148,944	1/4	133,875	1/4	118,807	1/4	103,736
1/2	1/2	1/2	1/2	1/2	208,730	1/2	193,778	1/2	178,761	1/2	163,698	1/2	148,630	1/2	133,561	1/2	118,493	1/2	103,422
3/4	3/4	3/4	3/4	3/4	208,421	3/4	193,465	3/4	178,448	3/4	163,384	3/4	148,316	3/4	133,248	3/4	118,179	3/4	103,108
7	7	7	7	7	208,111	7	193,152	7	178,135	7	163,070	7	148,002	7	132,934	7	117,865	7	102,794
1/4	1/4	1/4	1/4	1/4	207,802	1/4	192,839	1/4	177,822	1/4	162,756	1/4	147,688	1/4	132,620	1/4	117,551	1/4	102,480
1/2	1/2	1/2	1/2	1/2	207,492	1/2	192,526	1/2	177,509	1/2	162,442	1/2	147,374	1/2	132,306	1/2	117,238	1/2	102,166
3/4	3/4	3/4	3/4	3/4	207,182	3/4	192,214	3/4	177,195	3/4	162,128	3/4	147,060	3/4	131,992	3/4	116,924	3/4	101,852
8	8	8	8	8	206,872	8	191,901	8	176,882	8	161,814	8	146,746	8	131,678	8	116,610	8	101,538
1/4	1/4	1/4	1/4	1/4	206,563	1/4	191,588	1/4	176,569	1/4	161,500	1/4	146,432	1/4	131,364	1/4	116,296	1/4	101,223
1/2	1/2	1/2	1/2	1/2	206,253	1/2	191,275	1/2	176,255	1/2	161,187	1/2	146,118	1/2	131,050	1/2	115,982	1/2	100,909
3/4	3/4	3/4	3/4	3/4	205,943	3/4	190,962	3/4	175,941	3/4	160,873	3/4	145,804	3/4	130,736	3/4	115,668	3/4	100,595
9	9	9	9	9	205,633	9	190,649	9	175,627	9	160,559	9	145,490	9	130,422	9	115,354	9	100,281
1/4	1/4	1/4	1/4	1/4	205,323	1/4	190,336	1/4	175,313	1/4	160,245	1/4	145,177	1/4	130,108	1/4	115,040	1/4	99,967
1/2	1/2	1/2	1/2	1/2	205,013	1/2	190,024	1/2	174,999	1/2	159,931	1/2	144,863	1/2	129,794	1/2	114,726	1/2	99,653
3/4	3/4	3/4	3/4	3/4	204,703	3/4	189,711	3/4	174,685	3/4	159,617	3/4	144,549	3/4	129,480	3/4	114,412	3/4	99,339
10	10	10	10	10	204,393	10	189,398	10	174,371	10	159,303	10	144,235	10	129,167	10	114,098	10	99,025
1/4	1/4	1/4	1/4	1/4	204,084	1/4	189,085	1/4	174,057	1/4	158,989	1/4	143,921	1/4	128,853	1/4	113,784	1/4	98,711
1/2	1/2	1/2	1/2	1/2	203,774	1/2	188,772	1/2	173,743	1/2	158,675	1/2	143,607	1/2	128,539	1/2	113,470	1/2	98,397
3/4	3/4	3/4	3/4	3/4	203,464	3/4	188,459	3/4	173,429	3/4	158,361	3/4	143,293	3/4	128,225	3/4	113,157	3/4	98,083
11	11	11	11	11	203,154	11	188,146	11	173,116	11	158,047	11	142,979	11	127,911	11	112,843	11	97,769
1/4	1/4	1/4	1/4	1/4	202,845	1/4	187,834	1/4	172,802	1/4	157,733	1/4	142,665	1/4	127,597	1/4	112,529	1/4	97,454
1/2	1/2	1/2	1/2	1/2	202,533	1/2	187,521	1/2	172,488	1/2	157,419	1/2	142,351	1/2	127,283	1/2	112,215	1/2	97,140
3/4	3/4	3/4	3/4	3/4	202,222	3/4	187,208	3/4	172,174	3/4	157,106	3/4	142,037	3/4	126,969	3/4	111,901	3/4	96,826

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "HSM 3040"

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	81,436	0	66,361	0	51,815	0	37,340	0	22,302	0	7,227	0		0		0		0	
1/4	81,122	1/4	66,047	1/4	51,512	1/4	37,038	1/4	21,988	1/4	6,913	1/4			1/4		1/4		1/4
1/2	80,808	1/2	65,738	1/2	51,210	1/2	36,729	1/2	21,674	1/2	6,599	1/2			1/2		1/2		1/2
3/4	80,494	3/4	65,430	3/4	50,909	3/4	36,421	3/4	21,360	3/4	6,285	3/4			3/4		3/4		3/4
1	80,180	1	65,122	1	50,607	1	36,113	1	21,046	1	5,971	1			1		1		1
1/4	79,866	1/4	64,814	1/4	50,305	1/4	35,805	1/4	20,732	1/4	5,657	1/4			1/4		1/4		1/4
1/2	79,552	1/2	64,512	1/2	50,003	1/2	35,491	1/2	20,418	1/2	5,343	1/2			1/2		1/2		1/2
3/4	79,238	3/4	64,209	3/4	49,701	3/4	35,177	3/4	20,104	3/4	5,029	3/4			3/4		3/4		3/4
2	78,924	2	63,907	2	49,400	2	34,863	2	19,790	2	4,715	2			2		2		2
1/4	78,610	1/4	63,605	1/4	49,098	1/4	34,549	1/4	19,475	1/4	4,401	1/4			1/4		1/4		1/4
1/2	78,296	1/2	63,302	1/2	48,797	1/2	34,234	1/2	19,161	1/2	4,088	1/2			1/2		1/2		1/2
3/4	77,982	3/4	63,000	3/4	48,495	3/4	33,920	3/4	18,847	3/4	3,775	3/4			3/4		3/4		3/4
3	77,668	3	62,698	3	48,194	3	33,606	3	18,533	3	3,462	3			3		3		3
1/4	77,353	1/4	62,395	1/4	47,892	1/4	33,292	1/4	18,219	1/4	3,149	1/4			1/4		1/4		1/4
1/2	77,039	1/2	62,093	1/2	47,591	1/2	32,978	1/2	17,905	1/2	2,855	1/2			1/2		1/2		1/2
3/4	76,725	3/4	61,791	3/4	47,290	3/4	32,664	3/4	17,591	3/4	2,562	3/4			3/4		3/4		3/4
4	76,411	4	61,488	4	46,988	4	32,350	4	17,277	4	2,268	4			4		4		4
1/4	76,097	1/4	61,186	1/4	46,687	1/4	32,036	1/4	16,963	1/4	1,974	1/4			1/4		1/4		1/4
1/2	75,783	1/2	60,884	1/2	46,385	1/2	31,722	1/2	16,649	1/2	1,739	1/2			1/2		1/2		1/2
3/4	75,469	3/4	60,582	3/4	46,084	3/4	31,408	3/4	16,335	3/4	1,503	3/4			3/4		3/4		3/4
5	75,155	5	60,279	5	45,783	5	31,094	5	16,021	5	1,268	5			5		5		5
1/4	74,841	1/4	59,977	1/4	45,481	1/4	30,780	1/4	15,707	1/4	1,032	1/4			1/4		1/4		1/4
1/2	74,527	1/2	59,675	1/2	45,180	1/2	30,466	1/2	15,393	1/2		1/2			1/2		1/2		1/2
3/4	74,213	3/4	59,372	3/4	44,879	3/4	30,152	3/4	15,079	3/4		3/4			3/4		3/4		3/4
6	73,899	6	59,070	6	44,577	6	29,838	6	14,764	6		6			6		6		6
1/4	73,584	1/4	58,768	1/4	44,276	1/4	29,524	1/4	14,450	1/4		1/4			1/4		1/4		1/4
1/2	73,270	1/2	58,465	1/2	43,975	1/2	29,210	1/2	14,136	1/2		1/2			1/2		1/2		1/2
3/4	72,956	3/4	58,163	3/4	43,673	3/4	28,896	3/4	13,822	3/4		3/4			3/4		3/4		3/4
7	72,642	7	57,861	7	43,372	7	28,582	7	13,508	7		7			7		7		7
1/4	72,328	1/4	57,559	1/4	43,070	1/4	28,268	1/4	13,194	1/4		1/4			1/4		1/4		1/4
1/2	72,014	1/2	57,256	1/2	42,769	1/2	27,954	1/2	12,880	1/2		1/2			1/2		1/2		1/2
3/4	71,700	3/4	56,954	3/4	42,468	3/4	27,641	3/4	12,566	3/4		3/4			3/4		3/4		3/4
8	71,386	8	56,652	8	42,166	8	27,327	8	12,252	8		8			8		8		8
1/4	71,072	1/4	56,349	1/4	41,865	1/4	27,013	1/4	11,938	1/4		1/4			1/4		1/4		1/4
1/2	70,758	1/2	56,047	1/2	41,564	1/2	26,699	1/2	11,624	1/2		1/2			1/2		1/2		1/2
3/4	70,444	3/4	55,745	3/4	41,262	3/4	26,385	3/4	11,310	3/4		3/4			3/4		3/4		3/4
9	70,130	9	55,442	9	40,961	9	26,071	9	10,996	9		9			9		9		9
1/4	69,816	1/4	55,140	1/4	40,660	1/4	25,757	1/4	10,682	1/4		1/4			1/4		1/4		1/4
1/2	69,501	1/2	54,838	1/2	40,358	1/2	25,443	1/2	10,367	1/2		1/2			1/2		1/2		1/2
3/4	69,187	3/4	54,535	3/4	40,057	3/4	25,129	3/4	10,053	3/4		3/4			3/4		3/4		3/4
10	68,873	10	54,233	10	39,755	10	24,815	10	9,739	10		10			10		10		10
1/4	68,559	1/4	53,931	1/4	39,454	1/4	24,501	1/4	9,425	1/4		1/4			1/4		1/4		1/4
1/2	68,245	1/2	53,629	1/2	39,152	1/2	24,187	1/2	9,111	1/2		1/2			1/2		1/2		1/2
3/4	67,931	3/4	53,326	3/4	38,850	3/4	23,872	3/4	8,797	3/4		3/4			3/4		3/4		3/4
11	67,617	11	53,024	11	38,549	11	23,558	11	8,483	11		11			11		11		11
1/4	67,303	1/4	52,722	1/4	38,247	1/4	23,244	1/4	8,169	1/4		1/4			1/4		1/4		1/4
1/2	66,989	1/2	52,419	1/2	37,944	1/2	22,930	1/2	7,855	1/2		1/2			1/2		1/2		1/2
3/4	66,675	3/4	52,117	3/4	37,642	3/4	22,616	3/4	7,541	3/4		3/4			3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/18/2020 CL
CALCULATED: 02/18/2020 CL
PRINTED: 02/19/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 3040"

2 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	82,608	0	67,525	0	52,442	0	37,394	0	22,314	0	7,231	0		0		0		0	
1/4	82,294	1/4	67,211	1/4	52,128	1/4	37,080	1/4	21,999	1/4	6,916	1/4						1/4	
1/2	81,980	1/2	66,897	1/2	51,814	1/2	36,766	1/2	21,685	1/2	6,602	1/2						1/2	
3/4	81,666	3/4	66,583	3/4	51,500	3/4	36,452	3/4	21,371	3/4	6,288	3/4						3/4	
1	81,351	1	66,268	1	51,186	1	36,138	1	21,057	1	5,974	1						1	
1/4	81,037	1/4	65,954	1/4	50,872	1/4	35,823	1/4	20,743	1/4	5,660	1/4						1/4	
1/2	80,723	1/2	65,640	1/2	50,559	1/2	35,509	1/2	20,428	1/2	5,346	1/2						1/2	
3/4	80,409	3/4	65,326	3/4	50,245	3/4	35,195	3/4	20,114	3/4	5,032	3/4						3/4	
2	80,094	2	65,011	2	49,932	2	34,881	2	19,800	2	4,718	2						2	
1/4	79,780	1/4	64,697	1/4	49,618	1/4	34,566	1/4	19,486	1/4	4,404	1/4						1/4	
1/2	79,466	1/2	64,383	1/2	49,305	1/2	34,252	1/2	19,171	1/2	4,090	1/2						1/2	
3/4	79,152	3/4	64,069	3/4	48,991	3/4	33,938	3/4	18,857	3/4	3,777	3/4						3/4	
3	78,838	3	63,754	3	48,678	3	33,624	3	18,543	3	3,464	3						3	
1/4	78,523	1/4	63,440	1/4	48,365	1/4	33,309	1/4	18,229	1/4	3,151	1/4						1/4	
1/2	78,209	1/2	63,126	1/2	48,051	1/2	32,995	1/2	17,914	1/2	2,857	1/2						1/2	
3/4	77,895	3/4	62,812	3/4	47,738	3/4	32,681	3/4	17,600	3/4	2,563	3/4						3/4	
4	77,581	4	62,498	4	47,425	4	32,367	4	17,286	4	2,269	4						4	
1/4	77,266	1/4	62,183	1/4	47,111	1/4	32,053	1/4	16,972	1/4	1,976	1/4						1/4	
1/2	76,952	1/2	61,869	1/2	46,798	1/2	31,738	1/2	16,658	1/2	1,740	1/2						1/2	
3/4	76,638	3/4	61,555	3/4	46,485	3/4	31,424	3/4	16,343	3/4	1,504	3/4						3/4	
5	76,324	5	61,241	5	46,172	5	31,110	5	16,029	5	1,269	5						5	
1/4	76,009	1/4	60,926	1/4	45,858	1/4	30,796	1/4	15,715	1/4	1,033	1/4						1/4	
1/2	75,695	1/2	60,612	1/2	45,545	1/2	30,481	1/2	15,401	1/2		1/2						1/2	
3/4	75,381	3/4	60,298	3/4	45,232	3/4	30,167	3/4	15,086	3/4		3/4						3/4	
6	75,067	6	59,984	6	44,918	6	29,853	6	14,772	6		6						6	
1/4	74,753	1/4	59,669	1/4	44,605	1/4	29,539	1/4	14,458	1/4		1/4						1/4	
1/2	74,438	1/2	59,355	1/2	44,292	1/2	29,225	1/2	14,144	1/2		1/2						1/2	
3/4	74,124	3/4	59,041	3/4	43,978	3/4	28,911	3/4	13,829	3/4		3/4						3/4	
7	73,810	7	58,727	7	43,665	7	28,597	7	13,515	7		7						7	
1/4	73,496	1/4	58,413	1/4	43,352	1/4	28,283	1/4	13,201	1/4		1/4						1/4	
1/2	73,181	1/2	58,098	1/2	43,039	1/2	27,969	1/2	12,887	1/2		1/2						1/2	
3/4	72,867	3/4	57,784	3/4	42,725	3/4	27,655	3/4	12,573	3/4		3/4						3/4	
8	72,553	8	57,470	8	42,412	8	27,341	8	12,258	8		8						8	
1/4	72,239	1/4	57,156	1/4	42,099	1/4	27,027	1/4	11,944	1/4		1/4						1/4	
1/2	71,924	1/2	56,841	1/2	41,785	1/2	26,713	1/2	11,630	1/2		1/2						1/2	
3/4	71,610	3/4	56,527	3/4	41,472	3/4	26,399	3/4	11,316	3/4		3/4						3/4	
9	71,296	9	56,213	9	41,159	9	26,084	9	11,001	9		9						9	
1/4	70,982	1/4	55,899	1/4	40,845	1/4	25,770	1/4	10,687	1/4		1/4						1/4	
1/2	70,668	1/2	55,584	1/2	40,532	1/2	25,456	1/2	10,373	1/2		1/2						1/2	
3/4	70,353	3/4	55,270	3/4	40,219	3/4	25,142	3/4	10,059	3/4		3/4						3/4	
10	70,039	10	54,956	10	39,905	10	24,828	10	9,744	10		10						10	
1/4	69,725	1/4	54,642	1/4	39,592	1/4	24,513	1/4	9,430	1/4		1/4						1/4	
1/2	69,411	1/2	54,328	1/2	39,278	1/2	24,199	1/2	9,116	1/2		1/2						1/2	
3/4	69,096	3/4	54,013	3/4	38,965	3/4	23,885	3/4	8,802	3/4		3/4						3/4	
11	68,782	11	53,699	11	38,651	11	23,571	11	8,488	11		11						11	
1/4	68,468	1/4	53,385	1/4	38,337	1/4	23,256	1/4	8,173	1/4		1/4						1/4	
1/2	68,154	1/2	53,071	1/2	38,023	1/2	22,942	1/2	7,859	1/2		1/2						1/2	
3/4	67,839	3/4	52,756	3/4	37,709	3/4	22,628	3/4	7,545	3/4		3/4						3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/18/2020 CL
CALCULATED: 02/18/2020 CL
PRINTED: 02/19/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "HSM 3040"

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	184,308	0	173,975	0	163,630	0	153,261	0	141,289	0	126,323	0	111,357	0	96,377		
1/4	1/4	1/4	184,093	1/4	173,760	1/4	163,414	1/4	153,045	1/4	140,978	1/4	126,011	1/4	111,045	1/4	96,065		
1/2	1/2	1/2	183,877	1/2	173,545	1/2	163,198	1/2	152,829	1/2	140,666	1/2	125,700	1/2	110,733	1/2	95,753		
3/4	3/4	3/4	183,662	3/4	173,330	3/4	162,982	3/4	152,613	3/4	140,354	3/4	125,388	3/4	110,421	3/4	95,441		
1	1	1	183,447	1	173,114	1	162,766	1	152,397	1	140,042	1	125,076	1	110,110	1	95,129		
1/4	1/4	1/4	183,232	1/4	172,899	1/4	162,550	1/4	152,181	1/4	139,731	1/4	124,764	1/4	109,798	1/4	94,817		
1/2	1/2	1/2	183,016	1/2	172,684	1/2	162,334	1/2	151,965	1/2	139,419	1/2	124,452	1/2	109,486	1/2	94,505		
3/4	3/4	3/4	182,801	3/4	172,468	3/4	162,118	3/4	151,749	3/4	139,107	3/4	124,141	3/4	109,174	3/4	94,193		
2	2	2	182,586	2	172,253	2	161,902	2	151,533	2	138,795	2	123,829	2	108,862	2	93,881		
1/4	1/4	1/4	192,011	1/4	182,370	1/4	172,038	1/4	161,686	1/4	151,317	1/4	138,483	1/4	123,517	1/4	108,550	1/4	93,569
1/2	1/2	1/2	191,887	1/2	182,155	1/2	171,823	1/2	161,470	1/2	151,101	1/2	138,172	1/2	123,205	1/2	108,238	1/2	93,257
3/4	3/4	3/4	191,764	3/4	181,940	3/4	171,607	3/4	161,254	3/4	150,885	3/4	137,860	3/4	122,893	3/4	107,927	3/4	92,945
3	3	3	191,640	3	181,725	3	171,392	3	161,038	3	150,668	3	137,548	3	122,582	3	107,615	3	92,633
1/4	1/4	1/4	191,516	1/4	181,509	1/4	171,177	1/4	160,822	1/4	150,452	1/4	137,236	1/4	122,270	1/4	107,303	1/4	92,321
1/2	1/2	1/2	191,357	1/2	181,294	1/2	170,962	1/2	160,605	1/2	150,236	1/2	136,924	1/2	121,958	1/2	106,991	1/2	92,009
3/4	3/4	3/4	191,197	3/4	181,079	3/4	170,746	3/4	160,389	3/4	150,020	3/4	136,613	3/4	121,646	3/4	106,679	3/4	91,697
4	4	4	191,037	4	180,864	4	170,531	4	160,173	4	149,804	4	136,301	4	121,334	4	106,366	4	91,386
1/4	1/4	1/4	190,878	1/4	180,648	1/4	170,316	1/4	159,957	1/4	149,588	1/4	135,989	1/4	121,023	1/4	106,054	1/4	91,074
1/2	1/2	1/2	190,685	1/2	180,433	1/2	170,101	1/2	159,741	1/2	149,369	1/2	135,677	1/2	120,711	1/2	105,742	1/2	90,762
3/4	3/4	3/4	190,492	3/4	180,218	3/4	169,885	3/4	159,525	3/4	149,149	3/4	135,365	3/4	120,399	3/4	105,430	3/4	90,450
5	5	5	190,298	5	180,003	5	169,670	5	159,309	5	148,930	5	135,054	5	120,087	5	105,118	5	90,138
1/4	1/4	1/4	190,105	1/4	179,787	1/4	169,455	1/4	159,093	1/4	148,710	1/4	134,742	1/4	119,775	1/4	104,806	1/4	89,826
1/2	1/2	1/2	189,894	1/2	179,572	1/2	169,240	1/2	158,877	1/2	148,479	1/2	134,430	1/2	119,464	1/2	104,493	1/2	89,514
3/4	3/4	3/4	189,682	3/4	179,357	3/4	169,024	3/4	158,661	3/4	148,248	3/4	134,118	3/4	119,152	3/4	104,181	3/4	89,202
6	6	6	189,470	6	179,142	6	168,809	6	158,445	6	148,017	6	133,806	6	118,840	6	103,869	6	88,890
1/4	1/4	1/4	189,259	1/4	178,926	1/4	168,594	1/4	158,229	1/4	147,786	1/4	133,495	1/4	118,528	1/4	103,557	1/4	88,578
1/2	1/2	1/2	189,044	1/2	178,711	1/2	168,378	1/2	158,013	1/2	147,539	1/2	133,183	1/2	118,216	1/2	103,244	1/2	88,266
3/4	3/4	3/4	188,829	3/4	178,496	3/4	168,163	3/4	157,797	3/4	147,291	3/4	132,871	3/4	117,905	3/4	102,932	3/4	87,954
7	7	7	188,614	7	178,281	7	167,948	7	157,581	7	147,044	7	132,559	7	117,593	7	102,620	7	87,641
1/4	1/4	1/4	188,399	1/4	178,065	1/4	167,733	1/4	157,365	1/4	146,797	1/4	132,247	1/4	117,281	1/4	102,308	1/4	87,329
1/2	1/2	1/2	188,183	1/2	177,850	1/2	167,517	1/2	157,149	1/2	146,534	1/2	131,936	1/2	116,969	1/2	101,996	1/2	87,017
3/4	3/4	3/4	187,968	3/4	177,635	3/4	167,301	3/4	156,933	3/4	146,271	3/4	131,624	3/4	116,657	3/4	101,683	3/4	86,705
8	8	8	187,753	8	177,419	8	167,086	8	156,717	8	146,008	8	131,312	8	116,346	8	101,371	8	86,393
1/4	1/4	1/4	187,537	1/4	177,204	1/4	166,870	1/4	156,501	1/4	145,745	1/4	131,000	1/4	116,034	1/4	101,059	1/4	86,080
1/2	1/2	1/2	187,322	1/2	176,989	1/2	166,654	1/2	156,285	1/2	145,466	1/2	130,688	1/2	115,722	1/2	100,747	1/2	85,768
3/4	3/4	3/4	187,107	3/4	176,774	3/4	166,438	3/4	156,069	3/4	145,188	3/4	130,377	3/4	115,410	3/4	100,435	3/4	85,456
9	9	9	186,891	9	176,558	9	166,222	9	155,853	9	144,909	9	130,065	9	115,098	9	100,122	9	85,143
1/4	1/4	1/4	186,676	1/4	176,343	1/4	166,006	1/4	155,637	1/4	144,631	1/4	129,753	1/4	114,787	1/4	99,810	1/4	84,831
1/2	1/2	1/2	186,461	1/2	176,128	1/2	165,790	1/2	155,421	1/2	144,336	1/2	129,441	1/2	114,475	1/2	99,498	1/2	84,519
3/4	3/4	3/4	186,245	3/4	175,913	3/4	165,574	3/4	155,205	3/4	144,041	3/4	129,129	3/4	114,163	3/4	99,186	3/4	84,207
10	10	10	186,030	10	175,697	10	165,358	10	154,989	10	143,746	10	128,818	10	113,851	10	98,873	10	83,894
1/4	1/4	1/4	185,815	1/4	175,482	1/4	165,142	1/4	154,773	1/4	143,452	1/4	128,506	1/4	113,539	1/4	98,561	1/4	83,582
1/2	1/2	1/2	185,599	1/2	175,267	1/2	164,926	1/2	154,557	1/2	143,145	1/2	128,194	1/2	113,228	1/2	98,249	1/2	83,270
3/4	3/4	3/4	185,384	3/4	175,052	3/4	164,710	3/4	154,341	3/4	142,838	3/4	127,882	3/4	112,916	3/4	97,937	3/4	82,957
11	11	11	185,169	11	174,836	11	164,494	11	154,125	11	142,531	11	127,570	11	112,604	11	97,625	11	82,645
1/4	1/4	1/4	184,954	1/4	174,621	1/4	164,278	1/4	153,909	1/4	142,224	1/4	127,259	1/4	112,292	1/4	97,313	1/4	82,333
1/2	1/2	1/2	184,738	1/2	174,406	1/2	164,062	1/2	153,693	1/2	141,912	1/2	126,947	1/2	111,980	1/2	97,001	1/2	82,021
3/4	3/4	3/4	184,523	3/4	174,191	3/4	163,846	3/4	153,477	3/4	141,601	3/4	126,635	3/4	111,669	3/4	96,689	3/4	81,708

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
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BARGE "HSM 3040"

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	81,396	0	66,479	0	51,735	0	37,159	0	22,194	0	7,197	0		0		0		0	
1/4	81,084	1/4	66,169	1/4	51,432	1/4	36,854	1/4	21,882	1/4	6,884	1/4		1/4		1/4		1/4	
1/2	80,771	1/2	65,859	1/2	51,130	1/2	36,545	1/2	21,570	1/2	6,572	1/2		1/2		1/2		1/2	
3/4	80,459	3/4	65,548	3/4	50,827	3/4	36,237	3/4	21,257	3/4	6,259	3/4		3/4		3/4		3/4	
1	80,147	1	65,238	1	50,525	1	35,929	1	20,945	1	5,946	1		1		1		1	
1/4	79,835	1/4	64,928	1/4	50,222	1/4	35,621	1/4	20,633	1/4	5,634	1/4		1/4		1/4		1/4	
1/2	79,522	1/2	64,617	1/2	49,920	1/2	35,309	1/2	20,320	1/2	5,321	1/2		1/2		1/2		1/2	
3/4	79,210	3/4	64,307	3/4	49,617	3/4	34,997	3/4	20,008	3/4	5,009	3/4		3/4		3/4		3/4	
2	78,898	2	63,997	2	49,315	2	34,685	2	19,696	2	4,696	2		2		2		2	
1/4	78,586	1/4	63,686	1/4	49,012	1/4	34,374	1/4	19,383	1/4	4,384	1/4		1/4		1/4		1/4	
1/2	78,274	1/2	63,375	1/2	48,710	1/2	34,061	1/2	19,071	1/2	4,072	1/2		1/2		1/2		1/2	
3/4	77,963	3/4	63,064	3/4	48,407	3/4	33,749	3/4	18,758	3/4	3,760	3/4		3/4		3/4		3/4	
3	77,652	3	62,753	3	48,105	3	33,437	3	18,446	3	3,448	3		3		3		3	
1/4	77,340	1/4	62,442	1/4	47,802	1/4	33,124	1/4	18,134	1/4	3,137	1/4		1/4		1/4		1/4	
1/2	77,030	1/2	62,130	1/2	47,500	1/2	32,812	1/2	17,821	1/2	2,844	1/2		1/2		1/2		1/2	
3/4	76,720	3/4	61,818	3/4	47,198	3/4	32,500	3/4	17,509	3/4	2,552	3/4		3/4		3/4		3/4	
4	76,409	4	61,506	4	46,896	4	32,187	4	17,197	4	2,259	4		4		4		4	
1/4	76,099	1/4	61,194	1/4	46,594	1/4	31,875	1/4	16,884	1/4	1,967	1/4		1/4		1/4		1/4	
1/2	75,789	1/2	60,882	1/2	46,292	1/2	31,563	1/2	16,572	1/2	1,732	1/2		1/2		1/2		1/2	
3/4	75,478	3/4	60,570	3/4	45,991	3/4	31,250	3/4	16,260	3/4	1,497	3/4		3/4		3/4		3/4	
5	75,168	5	60,258	5	45,689	5	30,938	5	15,947	5	1,263	5		5		5		5	
1/4	74,858	1/4	59,946	1/4	45,387	1/4	30,626	1/4	15,635	1/4	1,028	1/4		1/4		1/4		1/4	
1/2	74,547	1/2	59,637	1/2	45,084	1/2	30,313	1/2	15,323	1/2		1/2		1/2		1/2		1/2	
3/4	74,237	3/4	59,328	3/4	44,781	3/4	30,001	3/4	15,010	3/4		3/4		3/4		3/4		3/4	
6	73,927	6	59,020	6	44,477	6	29,689	6	14,698	6		6		6		6		6	
1/4	73,617	1/4	58,711	1/4	44,174	1/4	29,376	1/4	14,386	1/4		1/4		1/4		1/4		1/4	
1/2	73,306	1/2	58,405	1/2	43,869	1/2	29,064	1/2	14,073	1/2		1/2		1/2		1/2		1/2	
3/4	72,996	3/4	58,099	3/4	43,564	3/4	28,752	3/4	13,761	3/4		3/4		3/4		3/4		3/4	
7	72,686	7	57,794	7	43,259	7	28,440	7	13,449	7		7		7		7		7	
1/4	72,375	1/4	57,488	1/4	42,954	1/4	28,128	1/4	13,136	1/4		1/4		1/4		1/4		1/4	
1/2	72,065	1/2	57,184	1/2	42,649	1/2	27,816	1/2	12,824	1/2		1/2		1/2		1/2		1/2	
3/4	71,755	3/4	56,880	3/4	42,344	3/4	27,503	3/4	12,512	3/4		3/4		3/4		3/4		3/4	
8	71,444	8	56,576	8	42,039	8	27,191	8	12,199	8		8		8		8		8	
1/4	71,134	1/4	56,272	1/4	41,734	1/4	26,879	1/4	11,887	1/4		1/4		1/4		1/4		1/4	
1/2	70,824	1/2	55,969	1/2	41,429	1/2	26,567	1/2	11,574	1/2		1/2		1/2		1/2		1/2	
3/4	70,513	3/4	55,667	3/4	41,124	3/4	26,255	3/4	11,262	3/4		3/4		3/4		3/4		3/4	
9	70,203	9	55,364	9	40,819	9	25,942	9	10,949	9		9		9		9		9	
1/4	69,893	1/4	55,062	1/4	40,514	1/4	25,630	1/4	10,637	1/4		1/4		1/4		1/4		1/4	
1/2	69,582	1/2	54,759	1/2	40,209	1/2	25,318	1/2	10,324	1/2		1/2		1/2		1/2		1/2	
3/4	69,272	3/4	54,457	3/4	39,904	3/4	25,005	3/4	10,011	3/4		3/4		3/4		3/4		3/4	
10	68,962	10	54,155	10	39,599	10	24,693	10	9,698	10		10		10		10		10	
1/4	68,651	1/4	53,852	1/4	39,294	1/4	24,381	1/4	9,385	1/4		1/4		1/4		1/4		1/4	
1/2	68,341	1/2	53,550	1/2	38,989	1/2	24,068	1/2	9,072	1/2		1/2		1/2		1/2		1/2	
3/4	68,031	3/4	53,247	3/4	38,684	3/4	23,756	3/4	8,760	3/4		3/4		3/4		3/4		3/4	
11	67,721	11	52,945	11	38,379	11	23,444	11	8,447	11		11		11		11		11	
1/4	67,410	1/4	52,642	1/4	38,074	1/4	23,131	1/4	8,134	1/4		1/4		1/4		1/4		1/4	
1/2	67,100	1/2	52,340	1/2	37,769	1/2	22,819	1/2	7,822	1/2		1/2		1/2		1/2		1/2	
3/4	66,790	3/4	52,037	3/4	37,464	3/4	22,507	3/4	7,509	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/18/2020 CL
CALCULATED: 02/18/2020 CL
PRINTED: 02/19/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2020

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



BARGE "HSM 3040"

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	185,002	0	174,677	0	164,337	0	153,975	0	141,903	0	126,913	0	111,924	0	96,920		
1/4		1/4	184,787	1/4	174,461	1/4	164,121	1/4	153,759	1/4	141,590	1/4	126,601	1/4	111,612	1/4	96,607		
1/2		1/2	184,572	1/2	174,246	1/2	163,905	1/2	153,543	1/2	141,278	1/2	126,289	1/2	111,300	1/2	96,294		
3/4		3/4	184,357	3/4	174,031	3/4	163,689	3/4	153,327	3/4	140,966	3/4	125,977	3/4	110,987	3/4	95,982		
1	1	1	184,142	1	173,816	1	163,474	1	153,111	1	140,654	1	125,664	1	110,675	1	95,669		
1/4		1/4	183,927	1/4	173,601	1/4	163,258	1/4	152,896	1/4	140,341	1/4	125,352	1/4	110,363	1/4	95,356		
1/2		1/2	183,711	1/2	173,386	1/2	163,042	1/2	152,680	1/2	140,029	1/2	125,040	1/2	110,050	1/2	95,044		
3/4		3/4	183,496	3/4	173,171	3/4	162,826	3/4	152,464	3/4	139,717	3/4	124,728	3/4	109,738	3/4	94,731		
2	2	2	192,915	2	182,281	2	172,956	2	162,610	2	152,248	2	139,405	2	124,415	2	109,426	2	94,418
1/4		1/4	192,792	1/4	182,066	1/4	172,740	1/4	162,394	1/4	152,032	1/4	139,092	1/4	124,103	1/4	109,113	1/4	94,105
1/2		1/2	192,668	1/2	182,851	1/2	172,525	1/2	162,178	1/2	151,816	1/2	138,780	1/2	123,791	1/2	108,801	1/2	93,793
3/4		3/4	192,545	3/4	182,636	3/4	172,310	3/4	161,962	3/4	151,600	3/4	138,468	3/4	123,478	3/4	108,489	3/4	93,480
3	3	3	192,421	3	182,421	3	172,095	3	161,747	3	151,384	3	138,155	3	123,166	3	108,176	3	93,167
1/4		1/4	192,262	1/4	182,206	1/4	171,880	1/4	161,531	1/4	151,168	1/4	137,843	1/4	122,854	1/4	107,864	1/4	92,855
1/2		1/2	192,102	1/2	181,991	1/2	171,665	1/2	161,315	1/2	150,953	1/2	137,531	1/2	122,542	1/2	107,551	1/2	92,542
3/4		3/4	191,942	3/4	181,775	3/4	171,450	3/4	161,099	3/4	150,737	3/4	137,219	3/4	122,229	3/4	107,238	3/4	92,229
4	4	4	191,783	4	181,560	4	171,235	4	160,883	4	150,521	4	136,906	4	121,917	4	106,926	4	91,917
1/4		1/4	191,590	1/4	181,345	1/4	171,019	1/4	160,667	1/4	150,301	1/4	136,594	1/4	121,605	1/4	106,613	1/4	91,604
1/2		1/2	191,397	1/2	181,130	1/2	170,804	1/2	160,451	1/2	150,082	1/2	136,282	1/2	121,292	1/2	106,301	1/2	91,291
3/4		3/4	191,204	3/4	180,915	3/4	170,589	3/4	160,235	3/4	149,863	3/4	135,970	3/4	120,980	3/4	105,988	3/4	90,979
5	5	5	191,011	5	180,700	5	170,374	5	160,020	5	149,643	5	135,657	5	120,668	5	105,675	5	90,666
1/4		1/4	190,800	1/4	180,485	1/4	170,159	1/4	159,804	1/4	149,412	1/4	135,345	1/4	120,356	1/4	105,362	1/4	90,353
1/2		1/2	190,588	1/2	180,270	1/2	169,944	1/2	159,588	1/2	149,181	1/2	135,033	1/2	120,043	1/2	105,050	1/2	90,040
3/4		3/4	190,376	3/4	180,054	3/4	169,729	3/4	159,372	3/4	148,950	3/4	134,720	3/4	119,731	3/4	104,737	3/4	89,728
6	6	6	190,165	6	179,839	6	169,514	6	159,156	6	148,719	6	134,408	6	119,419	6	104,424	6	89,415
1/4		1/4	189,950	1/4	179,624	1/4	169,299	1/4	158,940	1/4	148,472	1/4	134,096	1/4	119,107	1/4	104,112	1/4	89,102
1/2		1/2	189,735	1/2	179,409	1/2	169,083	1/2	158,724	1/2	148,225	1/2	133,784	1/2	118,794	1/2	103,799	1/2	88,790
3/4		3/4	189,520	3/4	179,194	3/4	168,868	3/4	158,508	3/4	147,977	3/4	133,471	3/4	118,482	3/4	103,486	3/4	88,477
7	7	7	189,305	7	178,979	7	168,653	7	158,292	7	147,730	7	133,159	7	118,170	7	103,174	7	88,164
1/4		1/4	189,090	1/4	178,764	1/4	168,438	1/4	158,077	1/4	147,467	1/4	132,847	1/4	117,857	1/4	102,861	1/4	87,852
1/2		1/2	188,875	1/2	178,549	1/2	168,222	1/2	157,861	1/2	147,204	1/2	132,534	1/2	117,545	1/2	102,548	1/2	87,539
3/4		3/4	188,660	3/4	178,334	3/4	168,007	3/4	157,645	3/4	146,941	3/4	132,222	3/4	117,233	3/4	102,236	3/4	87,226
8	8	8	188,445	8	178,118	8	167,791	8	157,429	8	146,678	8	131,910	8	116,921	8	101,923	8	86,913
1/4		1/4	188,230	1/4	177,903	1/4	167,575	1/4	157,213	1/4	146,399	1/4	131,598	1/4	116,608	1/4	101,610	1/4	86,601
1/2		1/2	188,014	1/2	177,688	1/2	167,359	1/2	156,997	1/2	146,120	1/2	131,285	1/2	116,296	1/2	101,297	1/2	86,288
3/4		3/4	187,799	3/4	177,473	3/4	167,144	3/4	156,781	3/4	145,841	3/4	130,973	3/4	115,984	3/4	100,985	3/4	85,975
9	9	9	187,584	9	177,258	9	166,928	9	156,565	9	145,561	9	130,661	9	115,671	9	100,672	9	85,663
1/4		1/4	187,369	1/4	177,043	1/4	166,712	1/4	156,350	1/4	145,266	1/4	130,349	1/4	115,359	1/4	100,359	1/4	85,350
1/2		1/2	187,154	1/2	176,828	1/2	166,496	1/2	156,134	1/2	144,971	1/2	130,036	1/2	115,047	1/2	100,047	1/2	85,037
3/4		3/4	186,938	3/4	176,613	3/4	166,280	3/4	155,918	3/4	144,676	3/4	129,724	3/4	114,735	3/4	99,734	3/4	84,725
10	10	10	186,723	10	176,397	10	166,064	10	155,702	10	144,381	10	129,412	10	114,422	10	99,421	10	84,412
1/4		1/4	186,508	1/4	176,182	1/4	165,848	1/4	155,486	1/4	144,073	1/4	129,099	1/4	114,110	1/4	99,109	1/4	84,099
1/2		1/2	186,293	1/2	175,967	1/2	165,632	1/2	155,270	1/2	143,766	1/2	128,787	1/2	113,798	1/2	98,796	1/2	83,787
3/4		3/4	186,078	3/4	175,752	3/4	165,416	3/4	155,054	3/4	143,458	3/4	128,475	3/4	113,486	3/4	98,483	3/4	83,474
11	11	11	185,863	11	175,537	11	165,201	11	154,838	11	143,151	11	128,163	11	113,173	11	98,170	11	83,161
1/4		1/4	185,648	1/4	175,322	1/4	164,985	1/4	154,623	1/4	142,839	1/4	127,850	1/4	112,861	1/4	97,858	1/4	82,848
1/2		1/2	185,432	1/2	175,107	1/2	164,769	1/2	154,407	1/2	142,527	1/2	127,538	1/2	112,549	1/2	97,545	1/2	82,536
3/4		3/4	185,217	3/4	174,892	3/4	164,553	3/4	154,191	3/4	142,215	3/4	127,226	3/4	112,236	3/4	97,232	3/4	82,223

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 3040"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	81,910	0	66,901	0	51,892	0	36,897	0	21,891	0	6,882	0		0		0		0	
1/4	81,598	1/4	66,588	1/4	51,579	1/4	36,585	1/4	21,579	1/4	6,570	1/4		1/4		1/4		1/4	
1/2	81,285	1/2	66,276	1/2	51,266	1/2	36,273	1/2	21,266	1/2	6,257	1/2		1/2		1/2		1/2	
3/4	80,972	3/4	65,963	3/4	50,954	3/4	35,961	3/4	20,953	3/4	5,944	3/4		3/4		3/4		3/4	
1	80,660	1	65,650	1	50,641	1	35,648	1	20,641	1	5,632	1		1		1		1	
1/4	80,347	1/4	65,338	1/4	50,328	1/4	35,336	1/4	20,328	1/4	5,319	1/4		1/4		1/4		1/4	
1/2	80,034	1/2	65,025	1/2	50,015	1/2	35,024	1/2	20,015	1/2	5,007	1/2		1/2		1/2		1/2	
3/4	79,721	3/4	64,712	3/4	49,703	3/4	34,711	3/4	19,702	3/4	4,694	3/4		3/4		3/4		3/4	
2	79,409	2	64,399	2	49,390	2	34,399	2	19,390	2	4,382	2		2		2		2	
1/4	79,096	1/4	64,087	1/4	49,077	1/4	34,086	1/4	19,077	1/4	4,070	1/4		1/4		1/4		1/4	
1/2	78,783	1/2	63,774	1/2	48,765	1/2	33,773	1/2	18,764	1/2	3,759	1/2		1/2		1/2		1/2	
3/4	78,471	3/4	63,461	3/4	48,452	3/4	33,461	3/4	18,452	3/4	3,447	3/4		3/4		3/4		3/4	
3	78,158	3	63,149	3	48,139	3	33,148	3	18,139	3	3,135	3		3		3		3	
1/4	77,845	1/4	62,836	1/4	47,827	1/4	32,835	1/4	17,826	1/4	2,843	1/4		1/4		1/4		1/4	
1/2	77,533	1/2	62,523	1/2	47,514	1/2	32,523	1/2	17,514	1/2	2,550	1/2		1/2		1/2		1/2	
3/4	77,220	3/4	62,211	3/4	47,202	3/4	32,210	3/4	17,201	3/4	2,258	3/4		3/4		3/4		3/4	
4	76,907	4	61,898	4	46,889	4	31,897	4	16,888	4	1,966	4		4		4		4	
1/4	76,595	1/4	61,585	1/4	46,577	1/4	31,585	1/4	16,576	1/4	1,731	1/4		1/4		1/4		1/4	
1/2	76,282	1/2	61,272	1/2	46,264	1/2	31,272	1/2	16,263	1/2	1,497	1/2		1/2		1/2		1/2	
3/4	75,969	3/4	60,960	3/4	45,952	3/4	30,959	3/4	15,950	3/4	1,262	3/4		3/4		3/4		3/4	
5	75,656	5	60,647	5	45,639	5	30,646	5	15,638	5	1,028	5		5		5		5	
1/4	75,344	1/4	60,334	1/4	45,327	1/4	30,334	1/4	15,325	1/4		1/4		1/4		1/4		1/4	
1/2	75,031	1/2	60,022	1/2	45,015	1/2	30,021	1/2	15,012	1/2		1/2		1/2		1/2		1/2	
3/4	74,718	3/4	59,709	3/4	44,702	3/4	29,708	3/4	14,700	3/4		3/4		3/4		3/4		3/4	
6	74,406	6	59,396	6	44,390	6	29,396	6	14,387	6		6		6		6		6	
1/4	74,093	1/4	59,084	1/4	44,078	1/4	29,083	1/4	14,074	1/4		1/4		1/4		1/4		1/4	
1/2	73,780	1/2	58,771	1/2	43,766	1/2	28,770	1/2	13,761	1/2		1/2		1/2		1/2		1/2	
3/4	73,468	3/4	58,458	3/4	43,453	3/4	28,458	3/4	13,449	3/4		3/4		3/4		3/4		3/4	
7	73,155	7	58,146	7	43,141	7	28,145	7	13,136	7		7		7		7		7	
1/4	72,842	1/4	57,833	1/4	42,829	1/4	27,832	1/4	12,823	1/4		1/4		1/4		1/4		1/4	
1/2	72,529	1/2	57,520	1/2	42,517	1/2	27,520	1/2	12,511	1/2		1/2		1/2		1/2		1/2	
3/4	72,217	3/4	57,207	3/4	42,205	3/4	27,207	3/4	12,198	3/4		3/4		3/4		3/4		3/4	
8	71,904	8	56,895	8	41,892	8	26,894	8	11,885	8		8		8		8		8	
1/4	71,591	1/4	56,582	1/4	41,580	1/4	26,582	1/4	11,573	1/4		1/4		1/4		1/4		1/4	
1/2	71,279	1/2	56,269	1/2	41,268	1/2	26,269	1/2	11,260	1/2		1/2		1/2		1/2		1/2	
3/4	70,966	3/4	55,957	3/4	40,956	3/4	25,956	3/4	10,947	3/4		3/4		3/4		3/4		3/4	
9	70,653	9	55,644	9	40,644	9	25,644	9	10,635	9		9		9		9		9	
1/4	70,341	1/4	55,331	1/4	40,331	1/4	25,331	1/4	10,322	1/4		1/4		1/4		1/4		1/4	
1/2	70,028	1/2	55,019	1/2	40,019	1/2	25,018	1/2	10,009	1/2		1/2		1/2		1/2		1/2	
3/4	69,715	3/4	54,706	3/4	39,707	3/4	24,705	3/4	9,697	3/4		3/4		3/4		3/4		3/4	
10	69,403	10	54,393	10	39,395	10	24,393	10	9,384	10		10		10		10		10	
1/4	69,090	1/4	54,080	1/4	39,083	1/4	24,080	1/4	9,071	1/4		1/4		1/4		1/4		1/4	
1/2	68,777	1/2	53,768	1/2	38,770	1/2	23,767	1/2	8,758	1/2		1/2		1/2		1/2		1/2	
3/4	68,464	3/4	53,455	3/4	38,458	3/4	23,455	3/4	8,446	3/4		3/4		3/4		3/4		3/4	
11	68,152	11	53,142	11	38,146	11	23,142	11	8,133	11		11		11		11		11	
1/4	67,839	1/4	52,830	1/4	37,834	1/4	22,829	1/4	7,820	1/4		1/4		1/4		1/4		1/4	
1/2	67,526	1/2	52,517	1/2	37,522	1/2	22,517	1/2	7,508	1/2		1/2		1/2		1/2		1/2	
3/4	67,214	3/4	52,204	3/4	37,209	3/4	22,204	3/4	7,195	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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ALL PRIOR TO 02/2020

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



BARGE "HSM 3040"

PORT SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-07"

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

STRAPPED: 02/18/2020 CL
CALCULATED: 02/18/2020 CL
PRINTED: 02/19/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2020

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BARGE "HSM 3040"

STBD SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-07"

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

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