



BARGE "HSM 3018"

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	- 00-0/8	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"

September 9, 2019

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HSM 3018"

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	- 00-0/8	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
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"

September 9, 2019

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BARGE "HSM 3018"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 3/8"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	200,337	0	185,348	0	170,343	0	155,308	0	140,274	0	125,239	0	110,204	0	95,164	
1/4	1/4	1/4	1/4	200,026	1/4	185,036	1/4	170,030	1/4	154,995	1/4	139,960	1/4	124,926	1/4	109,891	1/4	94,851	
1/2	1/2	1/2	1/2	199,714	1/2	184,724	1/2	169,716	1/2	154,682	1/2	139,647	1/2	124,613	1/2	109,578	1/2	94,538	
3/4	3/4	3/4	3/4	199,402	3/4	184,411	3/4	169,403	3/4	154,369	3/4	139,334	3/4	124,299	3/4	109,265	3/4	94,224	
1	1	1	1	199,090	1	184,099	1	169,090	1	154,055	1	139,021	1	123,986	1	108,951	1	93,911	
1/4	1/4	1/4	1/4	198,777	1/4	183,787	1/4	168,777	1/4	153,742	1/4	138,707	1/4	123,673	1/4	108,638	1/4	93,597	
1/2	1/2	1/2	1/2	198,465	1/2	183,474	1/2	168,464	1/2	153,429	1/2	138,394	1/2	123,360	1/2	108,325	1/2	93,284	
3/4	3/4	3/4	3/4	198,153	3/4	183,162	3/4	168,150	3/4	153,116	3/4	138,081	3/4	123,046	3/4	108,012	3/4	92,971	
2	2	2	2	197,841	2	182,850	2	167,837	2	152,802	2	137,768	2	122,733	2	107,698	2	92,657	
1/4	1/4	1/4	1/4	197,528	1/4	182,537	1/4	167,524	1/4	152,489	1/4	137,455	1/4	122,420	1/4	107,385	1/4	92,344	
1/2	1/2	211,155	1/2	197,216	1/2	182,225	1/2	167,211	1/2	152,176	1/2	137,141	1/2	122,107	1/2	107,072	1/2	92,031	
3/4	3/4	210,975	3/4	196,904	3/4	181,913	3/4	166,897	3/4	151,863	3/4	136,828	3/4	121,794	3/4	106,758	3/4	91,717	
3	3	210,796	3	196,591	3	181,601	3	166,584	3	151,550	3	136,515	3	121,480	3	106,445	3	91,404	
1/4	1/4	210,616	1/4	196,279	1/4	181,288	1/4	166,271	1/4	151,236	1/4	136,202	1/4	121,167	1/4	106,132	1/4	91,091	
1/2	1/2	210,423	1/2	195,967	1/2	180,976	1/2	165,958	1/2	150,923	1/2	135,888	1/2	120,854	1/2	105,818	1/2	90,777	
3/4	3/4	210,204	3/4	195,654	3/4	180,664	3/4	165,645	3/4	150,610	3/4	135,575	3/4	120,541	3/4	105,505	3/4	90,464	
4	4	209,972	4	195,342	4	180,351	4	165,331	4	150,297	4	135,262	4	120,227	4	105,192	4	90,151	
1/4	1/4	209,740	1/4	195,030	1/4	180,039	1/4	165,018	1/4	149,983	1/4	134,949	1/4	119,914	1/4	104,878	1/4	89,837	
1/2	1/2	209,496	1/2	194,717	1/2	179,727	1/2	164,705	1/2	149,670	1/2	134,636	1/2	119,601	1/2	104,565	1/2	89,524	
3/4	3/4	209,228	3/4	194,405	3/4	179,414	3/4	164,392	3/4	149,357	3/4	134,322	3/4	119,288	3/4	104,252	3/4	89,210	
5	5	208,947	5	194,093	5	179,102	5	164,078	5	149,044	5	134,009	5	118,975	5	103,938	5	88,897	
1/4	1/4	208,667	1/4	193,781	1/4	178,790	1/4	163,765	1/4	148,731	1/4	133,696	1/4	118,661	1/4	103,625	1/4	88,584	
1/2	1/2	208,380	1/2	193,468	1/2	178,477	1/2	163,452	1/2	148,417	1/2	133,383	1/2	118,348	1/2	103,312	1/2	88,270	
3/4	3/4	208,080	3/4	193,156	3/4	178,165	3/4	163,139	3/4	148,104	3/4	133,070	3/4	118,035	3/4	102,998	3/4	87,957	
6	6	207,774	6	192,844	6	177,853	6	162,826	6	147,791	6	132,756	6	117,722	6	102,685	6	87,644	
1/4	1/4	207,468	1/4	192,531	1/4	177,541	1/4	162,512	1/4	147,478	1/4	132,443	1/4	117,408	1/4	102,371	1/4	87,330	
1/2	1/2	207,161	1/2	192,219	1/2	177,228	1/2	162,199	1/2	147,164	1/2	132,130	1/2	117,095	1/2	102,058	1/2	87,017	
3/4	3/4	206,852	3/4	191,907	3/4	176,916	3/4	161,886	3/4	146,851	3/4	131,817	3/4	116,782	3/4	101,745	3/4	86,704	
7	7	206,543	7	191,594	7	176,604	7	161,573	7	146,538	7	131,503	7	116,469	7	101,431	7	86,390	
1/4	1/4	206,233	1/4	191,282	1/4	176,291	1/4	161,259	1/4	146,225	1/4	131,190	1/4	116,156	1/4	101,118	1/4	86,077	
1/2	1/2	205,923	1/2	190,970	1/2	175,979	1/2	160,946	1/2	145,912	1/2	130,877	1/2	115,842	1/2	100,805	1/2	85,764	
3/4	3/4	205,613	3/4	190,657	3/4	175,666	3/4	160,633	3/4	145,598	3/4	130,564	3/4	115,529	3/4	100,491	3/4	85,450	
8	8	205,303	8	190,345	8	175,353	8	160,320	8	145,285	8	130,251	8	115,216	8	100,178	8	85,137	
1/4	1/4	204,992	1/4	190,033	1/4	175,041	1/4	160,007	1/4	144,972	1/4	129,937	1/4	114,903	1/4	99,865	1/4	84,823	
1/2	1/2	204,682	1/2	189,721	1/2	174,728	1/2	159,693	1/2	144,659	1/2	129,624	1/2	114,589	1/2	99,551	1/2	84,510	
3/4	3/4	204,372	3/4	189,408	3/4	174,415	3/4	159,380	3/4	144,345	3/4	129,311	3/4	114,276	3/4	99,238	3/4	84,197	
9	9	204,062	9	189,096	9	174,102	9	159,067	9	144,032	9	128,998	9	113,963	9	98,925	9	83,883	
1/4	1/4	203,751	1/4	188,784	1/4	173,788	1/4	158,754	1/4	143,719	1/4	128,684	1/4	113,650	1/4	98,611	1/4	83,570	
1/2	1/2	203,441	1/2	188,471	1/2	173,475	1/2	158,440	1/2	143,406	1/2	128,371	1/2	113,337	1/2	98,298	1/2	83,257	
3/4	3/4	203,131	3/4	188,159	3/4	173,162	3/4	158,127	3/4	143,093	3/4	128,058	3/4	113,023	3/4	97,984	3/4	82,943	
10	10	202,820	10	187,847	10	172,849	10	157,814	10	142,779	10	127,745	10	112,710	10	97,671	10	82,630	
1/4	1/4	202,510	1/4	187,534	1/4	172,535	1/4	157,501	1/4	142,466	1/4	127,432	1/4	112,397	1/4	97,358	1/4	82,317	
1/2	1/2	202,200	1/2	187,222	1/2	172,222	1/2	157,188	1/2	142,153	1/2	127,118	1/2	112,084	1/2	97,044	1/2	82,003	
3/4	3/4	201,890	3/4	186,910	3/4	171,909	3/4	156,874	3/4	141,840	3/4	126,805	3/4	111,770	3/4	96,731	3/4	81,690	
11	11	201,580	11	186,597	11	171,596	11	156,561	11	141,526	11	126,492	11	111,457	11	96,418	11	81,377	
1/4	1/4	201,270	1/4	186,285	1/4	171,283	1/4	156,248	1/4	141,213	1/4	126,179	1/4	111,144	1/4	96,104	1/4	81,063	
1/2	1/2	200,959	1/2	185,973	1/2	170,969	1/2	155,935	1/2	140,900	1/2	125,865	1/2	110,831	1/2	95,791	1/2	80,750	
3/4	3/4	200,648	3/4	185,661	3/4	170,656	3/4	155,621	3/4	140,587	3/4	125,552	3/4	110,518	3/4	95,478	3/4	80,436	

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 3/8"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	80,123	0	65,082	0	50,140	0	35,105	0	20,064	0	5,799	0		0		0		0	
1/4	79,810	1/4	64,769	1/4	49,828	1/4	34,792	1/4	19,751	1/4	5,524	1/4		1/4		1/4		1/4	
1/2	79,496	1/2	64,456	1/2	49,516	1/2	34,478	1/2	19,437	1/2	5,250	1/2		1/2		1/2		1/2	
3/4	79,183	3/4	64,144	3/4	49,203	3/4	34,165	3/4	19,124	3/4	4,978	3/4		3/4		3/4		3/4	
1	78,870	1	63,832	1	48,891	1	33,851	1	18,811	1	4,708	1		1		1		1	
1/4	78,556	1/4	63,520	1/4	48,578	1/4	33,538	1/4	18,497	1/4	4,437	1/4		1/4		1/4		1/4	
1/2	78,243	1/2	63,208	1/2	48,265	1/2	33,225	1/2	18,184	1/2	4,167	1/2		1/2		1/2		1/2	
3/4	77,930	3/4	62,896	3/4	47,952	3/4	32,911	3/4	17,872	3/4	3,899	3/4		3/4		3/4		3/4	
2	77,616	2	62,585	2	47,639	2	32,598	2	17,559	2	3,632	2		2		2		2	
1/4	77,303	1/4	62,274	1/4	47,325	1/4	32,285	1/4	17,247	1/4	3,365	1/4		1/4		1/4		1/4	
1/2	76,990	1/2	61,963	1/2	47,012	1/2	31,971	1/2	16,935	1/2	3,100	1/2		1/2		1/2		1/2	
3/4	76,676	3/4	61,652	3/4	46,699	3/4	31,658	3/4	16,625	3/4	2,836	3/4		3/4		3/4		3/4	
3	76,363	3	61,341	3	46,385	3	31,345	3	16,316	3	2,574	3		3		3		3	
1/4	76,049	1/4	61,030	1/4	46,072	1/4	31,031	1/4	16,006	1/4	2,312	1/4		1/4		1/4		1/4	
1/2	75,736	1/2	60,719	1/2	45,759	1/2	30,718	1/2	15,698	1/2	2,055	1/2		1/2		1/2		1/2	
3/4	75,423	3/4	60,408	3/4	45,445	3/4	30,405	3/4	15,391	3/4	1,811	3/4		3/4		3/4		3/4	
4	75,109	4	60,097	4	45,132	4	30,091	4	15,085	4	1,572	4		4		4		4	
1/4	74,796	1/4	59,786	1/4	44,819	1/4	29,778	1/4	14,780	1/4	1,333	1/4		1/4		1/4		1/4	
1/2	74,483	1/2	59,475	1/2	44,505	1/2	29,465	1/2	14,475	1/2	1,109	1/2		1/2		1/2		1/2	
3/4	74,169	3/4	59,164	3/4	44,192	3/4	29,151	3/4	14,172	3/4	917	3/4		3/4		3/4		3/4	
5	73,856	5	58,853	5	43,879	5	28,838	5	13,871	5	740	5		5		5		5	
1/4	73,543	1/4	58,542	1/4	43,565	1/4	28,525	1/4	13,569	1/4	562	1/4		1/4		1/4		1/4	
1/2	73,229	1/2	58,231	1/2	43,252	1/2	28,211	1/2	13,268	3/8	474	1/2		1/2		1/2		1/2	
3/4	72,916	3/4	57,920	3/4	42,939	3/4	27,898	3/4	12,969	3/4		3/4		3/4		3/4		3/4	
6	72,603	6	57,609	6	42,625	6	27,585	6	12,671	6		6		6		6		6	
1/4	72,289	1/4	57,298	1/4	42,312	1/4	27,271	1/4	12,373	1/4		1/4		1/4		1/4		1/4	
1/2	71,976	1/2	56,987	1/2	41,999	1/2	26,958	1/2	12,076	1/2		1/2		1/2		1/2		1/2	
3/4	71,662	3/4	56,676	3/4	41,685	3/4	26,644	3/4	11,781	3/4		3/4		3/4		3/4		3/4	
7	71,349	7	56,365	7	41,372	7	26,331	7	11,487	7		7		7		7		7	
1/4	71,036	1/4	56,054	1/4	41,058	1/4	26,018	1/4	11,193	1/4		1/4		1/4		1/4		1/4	
1/2	70,722	1/2	55,743	1/2	40,745	1/2	25,704	1/2	10,900	1/2		1/2		1/2		1/2		1/2	
3/4	70,409	3/4	55,432	3/4	40,432	3/4	25,391	3/4	10,609	3/4		3/4		3/4		3/4		3/4	
8	70,096	8	55,121	8	40,118	8	25,078	8	10,319	8		8		8		8		8	
1/4	69,782	1/4	54,810	1/4	39,805	1/4	24,764	1/4	10,028	1/4		1/4		1/4		1/4		1/4	
1/2	69,469	1/2	54,499	1/2	39,492	1/2	24,451	1/2	9,739	1/2		1/2		1/2		1/2		1/2	
3/4	69,156	3/4	54,188	3/4	39,178	3/4	24,138	3/4	9,452	3/4		3/4		3/4		3/4		3/4	
9	68,842	9	53,877	9	38,865	9	23,824	9	9,166	9		9		9		9		9	
1/4	68,529	1/4	53,566	1/4	38,552	1/4	23,511	1/4	8,879	1/4		1/4		1/4		1/4		1/4	
1/2	68,216	1/2	53,255	1/2	38,238	1/2	23,198	1/2	8,594	1/2		1/2		1/2		1/2		1/2	
3/4	67,902	3/4	52,944	3/4	37,925	3/4	22,884	3/4	8,310	3/4		3/4		3/4		3/4		3/4	
10	67,589	10	52,633	10	37,612	10	22,571	10	8,028	10		10		10		10		10	
1/4	67,275	1/4	52,322	1/4	37,298	1/4	22,258	1/4	7,745	1/4		1/4		1/4		1/4		1/4	
1/2	66,962	1/2	52,010	1/2	36,985	1/2	21,944	1/2	7,464	1/2		1/2		1/2		1/2		1/2	
3/4	66,649	3/4	51,699	3/4	36,672	3/4	21,631	3/4	7,184	3/4		3/4		3/4		3/4		3/4	
11	66,335	11	51,387	11	36,358	11	21,318	11	6,906	11		11		11		11		11	
1/4	66,022	1/4	51,075	1/4	36,045	1/4	21,004	1/4	6,627	1/4		1/4		1/4		1/4		1/4	
1/2	65,709	1/2	50,764	1/2	35,732	1/2	20,691	1/2	6,349	1/2		1/2		1/2		1/2		1/2	
3/4	65,396	3/4	50,452	3/4	35,418	3/4	20,378	3/4	6,074	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/09/2019 CL
CALCULATED: 09/09/2019 CL
REPRINTED: 10/10/2019 SW

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 3018"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 3/8"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	200,334	0	185,353	0	170,355	0	155,328	0	140,300	0	125,273	0	110,246	0	95,214
1/4	1/4	1/4	1/4	1/4	200,023	1/4	185,041	1/4	170,042	1/4	155,014	1/4	139,987	1/4	124,960	1/4	109,933	1/4	94,900
1/2	1/2	1/2	1/2	1/2	199,712	1/2	184,729	1/2	169,729	1/2	154,701	1/2	139,674	1/2	124,647	1/2	109,620	1/2	94,587
3/4	3/4	3/4	3/4	3/4	199,400	3/4	184,416	3/4	169,416	3/4	154,388	3/4	139,361	3/4	124,334	3/4	109,307	3/4	94,274
1		1		1	199,088	1	184,104	1	169,103	1	154,075	1	139,048	1	124,021	1	108,994	1	93,961
1/4	1/4	1/4	1/4	1/4	198,776	1/4	183,792	1/4	168,789	1/4	153,762	1/4	138,735	1/4	123,708	1/4	108,681	1/4	93,648
1/2	1/2	1/2	1/2	1/2	198,463	1/2	183,480	1/2	168,476	1/2	153,449	1/2	138,422	1/2	123,395	1/2	108,368	1/2	93,334
3/4	3/4	3/4	3/4	3/4	198,151	3/4	183,168	3/4	168,163	3/4	153,136	3/4	138,109	3/4	123,082	3/4	108,055	3/4	93,021
2		2		2	197,839	2	182,856	2	167,850	2	152,823	2	137,796	2	122,769	2	107,741	2	92,708
1/4	1/4	1/4	1/4	1/4	197,527	1/4	182,543	1/4	167,537	1/4	152,510	1/4	137,483	1/4	122,456	1/4	107,428	1/4	92,395
1/2	1/2	1/2	211,147	1/2	197,215	1/2	182,231	1/2	167,224	1/2	152,197	1/2	137,170	1/2	122,143	1/2	107,115	1/2	92,082
3/4	3/4	3/4	210,967	3/4	196,903	3/4	181,919	3/4	166,911	3/4	151,884	3/4	136,857	3/4	121,829	3/4	106,802	3/4	91,768
3		3	210,788	3	196,590	3	181,607	3	166,598	3	151,571	3	136,543	3	121,516	3	106,489	3	91,455
1/4	1/4	1/4	210,608	1/4	196,278	1/4	181,295	1/4	166,285	1/4	151,258	1/4	136,230	1/4	121,203	1/4	106,176	1/4	91,142
1/2	1/2	1/2	210,415	1/2	195,966	1/2	180,983	1/2	165,972	1/2	150,945	1/2	135,917	1/2	120,890	1/2	105,862	1/2	90,829
3/4	3/4	3/4	210,197	3/4	195,654	3/4	180,671	3/4	165,659	3/4	150,632	3/4	135,604	3/4	120,577	3/4	105,549	3/4	90,516
4		4	209,965	4	195,342	4	180,358	4	165,346	4	150,318	4	135,291	4	120,264	4	105,236	4	90,203
1/4	1/4	1/4	209,733	1/4	195,030	1/4	180,046	1/4	165,033	1/4	150,005	1/4	134,978	1/4	119,951	1/4	104,923	1/4	89,889
1/2	1/2	1/2	209,489	1/2	194,718	1/2	179,734	1/2	164,720	1/2	149,692	1/2	134,665	1/2	119,638	1/2	104,610	1/2	89,576
3/4	3/4	3/4	209,221	3/4	194,405	3/4	179,422	3/4	164,407	3/4	149,379	3/4	134,352	3/4	119,325	3/4	104,296	3/4	89,263
5		5	208,940	5	194,093	5	179,110	5	164,093	5	149,066	5	134,039	5	119,012	5	103,983	5	88,950
1/4	1/4	1/4	208,660	1/4	193,781	1/4	178,798	1/4	163,780	1/4	148,753	1/4	133,726	1/4	118,699	1/4	103,670	1/4	88,637
1/2	1/2	1/2	208,374	1/2	193,469	1/2	178,485	1/2	163,467	1/2	148,440	1/2	133,413	1/2	118,386	1/2	103,357	1/2	88,323
3/4	3/4	3/4	208,074	3/4	193,157	3/4	178,173	3/4	163,154	3/4	148,127	3/4	133,100	3/4	118,073	3/4	103,044	3/4	88,010
6		6	207,768	6	192,845	6	177,861	6	162,841	6	147,814	6	132,787	6	117,760	6	102,730	6	87,697
1/4	1/4	1/4	207,462	1/4	192,532	1/4	177,549	1/4	162,528	1/4	147,501	1/4	132,474	1/4	117,447	1/4	102,417	1/4	87,384
1/2	1/2	1/2	207,155	1/2	192,220	1/2	177,237	1/2	162,215	1/2	147,188	1/2	132,161	1/2	117,134	1/2	102,104	1/2	87,071
3/4	3/4	3/4	206,846	3/4	191,908	3/4	176,925	3/4	161,902	3/4	146,875	3/4	131,847	3/4	116,820	3/4	101,791	3/4	86,757
7		7	206,537	7	191,596	7	176,613	7	161,589	7	146,562	7	131,534	7	116,507	7	101,478	7	86,444
1/4	1/4	1/4	206,227	1/4	191,284	1/4	176,300	1/4	161,276	1/4	146,249	1/4	131,221	1/4	116,194	1/4	101,164	1/4	86,131
1/2	1/2	1/2	205,917	1/2	190,972	1/2	175,988	1/2	160,963	1/2	145,935	1/2	130,908	1/2	115,881	1/2	100,851	1/2	85,818
3/4	3/4	3/4	205,607	3/4	190,660	3/4	175,676	3/4	160,650	3/4	145,622	3/4	130,595	3/4	115,568	3/4	100,538	3/4	85,505
8		8	205,297	8	190,347	8	175,363	8	160,337	8	145,309	8	130,282	8	115,255	8	100,225	8	85,191
1/4	1/4	1/4	204,987	1/4	190,035	1/4	175,050	1/4	160,024	1/4	144,996	1/4	129,969	1/4	114,942	1/4	99,912	1/4	84,878
1/2	1/2	1/2	204,677	1/2	189,723	1/2	174,738	1/2	159,710	1/2	144,683	1/2	129,656	1/2	114,629	1/2	99,598	1/2	84,565
3/4	3/4	3/4	204,367	3/4	189,411	3/4	174,425	3/4	159,397	3/4	144,370	3/4	129,343	3/4	114,316	3/4	99,285	3/4	84,252
9		9	204,057	9	189,099	9	174,112	9	159,084	9	144,057	9	129,030	9	114,003	9	98,972	9	83,939
1/4	1/4	1/4	203,747	1/4	188,787	1/4	173,799	1/4	158,771	1/4	143,744	1/4	128,717	1/4	113,690	1/4	98,659	1/4	83,625
1/2	1/2	1/2	203,437	1/2	188,474	1/2	173,486	1/2	158,458	1/2	143,431	1/2	128,404	1/2	113,377	1/2	98,346	1/2	83,312
3/4	3/4	3/4	203,127	3/4	188,162	3/4	173,172	3/4	158,145	3/4	143,118	3/4	128,091	3/4	113,064	3/4	98,032	3/4	82,999
10		10	202,817	10	187,850	10	172,859	10	157,832	10	142,805	10	127,778	10	112,751	10	97,719	10	82,686
1/4	1/4	1/4	202,506	1/4	187,538	1/4	172,546	1/4	157,519	1/4	142,492	1/4	127,465	1/4	112,438	1/4	97,406	1/4	82,373
1/2	1/2	1/2	202,196	1/2	187,226	1/2	172,233	1/2	157,206	1/2	142,179	1/2	127,152	1/2	112,125	1/2	97,093	1/2	82,059
3/4	3/4	3/4	201,886	3/4	186,914	3/4	171,920	3/4	156,893	3/4	141,866	3/4	126,838	3/4	111,811	3/4	96,780	3/4	81,746
11		11	201,576	11	186,601	11	171,607	11	156,580	11	141,553	11	126,525	11	111,498	11	96,466	11	81,433
1/4	1/4	1/4	201,266	1/4	186,289	1/4	171,294	1/4	156,267	1/4	141,239	1/4	126,212	1/4	111,185	1/4	96,153	1/4	81,120
1/2	1/2	1/2	200,956	1/2	185,977	1/2	170,981	1/2	155,954	1/2	140,926	1/2	125,899	1/2	110,872	1/2	95,840	1/2	80,807
3/4	3/4	3/4	200,645	3/4	185,665	3/4	170,668	3/4	155,641	3/4	140,613	3/4	125,586	3/4	110,559	3/4	95,527	3/4	80,493

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "HSM 3018"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 3/8"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	80,180	0	65,147	0	50,120	0	35,087	0	20,054	0	5,796	0		0		0		0	
1/4	79,867	1/4	64,833	1/4	49,807	1/4	34,774	1/4	19,741	1/4	5,522	1/4		1/4		1/4		1/4	
1/2	79,554	1/2	64,520	1/2	49,494	1/2	34,461	1/2	19,428	1/2	5,248	1/2		1/2		1/2		1/2	
3/4	79,241	3/4	64,207	3/4	49,181	3/4	34,148	3/4	19,115	3/4	4,976	3/4		3/4		3/4		3/4	
1	78,927	1	63,894	1	48,868	1	33,835	1	18,802	1	4,705	1		1		1		1	
1/4	78,614	1/4	63,581	1/4	48,555	1/4	33,521	1/4	18,488	1/4	4,435	1/4		1/4		1/4		1/4	
1/2	78,301	1/2	63,267	1/2	48,241	1/2	33,208	1/2	18,175	1/2	4,165	1/2		1/2		1/2		1/2	
3/4	77,988	3/4	62,954	3/4	47,928	3/4	32,895	3/4	17,863	3/4	3,897	3/4		3/4		3/4		3/4	
2	77,675	2	62,641	2	47,615	2	32,582	2	17,551	2	3,631	2		2		2		2	
1/4	77,361	1/4	62,328	1/4	47,302	1/4	32,269	1/4	17,239	1/4	3,364	1/4		1/4		1/4		1/4	
1/2	77,048	1/2	62,015	1/2	46,989	1/2	31,956	1/2	16,927	1/2	3,098	1/2		1/2		1/2		1/2	
3/4	76,735	3/4	61,702	3/4	46,675	3/4	31,642	3/4	16,617	3/4	2,835	3/4		3/4		3/4		3/4	
3	76,422	3	61,389	3	46,362	3	31,329	3	16,308	3	2,573	3		3		3		3	
1/4	76,109	1/4	61,076	1/4	46,049	1/4	31,016	1/4	15,998	1/4	2,311	1/4		1/4		1/4		1/4	
1/2	75,795	1/2	60,763	1/2	45,736	1/2	30,703	1/2	15,690	1/2	2,055	1/2		1/2		1/2		1/2	
3/4	75,482	3/4	60,450	3/4	45,423	3/4	30,390	3/4	15,383	3/4	1,810	3/4		3/4		3/4		3/4	
4	75,169	4	60,137	4	45,109	4	30,076	4	15,078	4	1,571	4		4		4		4	
1/4	74,856	1/4	59,824	1/4	44,796	1/4	29,763	1/4	14,773	1/4	1,332	1/4		1/4		1/4		1/4	
1/2	74,543	1/2	59,511	1/2	44,483	1/2	29,450	1/2	14,468	1/2	1,109	1/2		1/2		1/2		1/2	
3/4	74,229	3/4	59,198	3/4	44,170	3/4	29,137	3/4	14,165	3/4	916	3/4		3/4		3/4		3/4	
5	73,916	5	58,885	5	43,857	5	28,824	5	13,864	5	739	5		5		5		5	
1/4	73,603	1/4	58,572	1/4	43,544	1/4	28,510	1/4	13,562	1/4	562	1/4		1/4		1/4		1/4	
1/2	73,290	1/2	58,259	1/2	43,230	1/2	28,197	1/2	13,262	3/8	474	1/2		1/2		1/2		1/2	
3/4	72,977	3/4	57,946	3/4	42,917	3/4	27,884	3/4	12,963	3/4		3/4		3/4		3/4		3/4	
6	72,663	6	57,633	6	42,604	6	27,571	6	12,665	6		6		6		6		6	
1/4	72,350	1/4	57,320	1/4	42,291	1/4	27,258	1/4	12,367	1/4		1/4		1/4		1/4		1/4	
1/2	72,037	1/2	57,007	1/2	41,978	1/2	26,944	1/2	12,070	1/2		1/2		1/2		1/2		1/2	
3/4	71,724	3/4	56,694	3/4	41,664	3/4	26,631	3/4	11,776	3/4		3/4		3/4		3/4		3/4	
7	71,411	7	56,381	7	41,351	7	26,318	7	11,482	7		7		7		7		7	
1/4	71,097	1/4	56,068	1/4	41,038	1/4	26,005	1/4	11,188	1/4		1/4		1/4		1/4		1/4	
1/2	70,784	1/2	55,755	1/2	40,725	1/2	25,692	1/2	10,895	1/2		1/2		1/2		1/2		1/2	
3/4	70,471	3/4	55,442	3/4	40,412	3/4	25,379	3/4	10,604	3/4		3/4		3/4		3/4		3/4	
8	70,158	8	55,129	8	40,098	8	25,065	8	10,314	8		8		8		8		8	
1/4	69,845	1/4	54,816	1/4	39,785	1/4	24,752	1/4	10,024	1/4		1/4		1/4		1/4		1/4	
1/2	69,531	1/2	54,503	1/2	39,472	1/2	24,439	1/2	9,735	1/2		1/2		1/2		1/2		1/2	
3/4	69,218	3/4	54,190	3/4	39,159	3/4	24,126	3/4	9,447	3/4		3/4		3/4		3/4		3/4	
9	68,905	9	53,877	9	38,846	9	23,813	9	9,161	9		9		9		9		9	
1/4	68,592	1/4	53,564	1/4	38,532	1/4	23,499	1/4	8,875	1/4		1/4		1/4		1/4		1/4	
1/2	68,279	1/2	53,251	1/2	38,219	1/2	23,186	1/2	8,590	1/2		1/2		1/2		1/2		1/2	
3/4	67,965	3/4	52,938	3/4	37,906	3/4	22,873	3/4	8,306	3/4		3/4		3/4		3/4		3/4	
10	67,652	10	52,625	10	37,593	10	22,560	10	8,024	10		10		10		10		10	
1/4	67,339	1/4	52,312	1/4	37,280	1/4	22,247	1/4	7,742	1/4		1/4		1/4		1/4		1/4	
1/2	67,026	1/2	51,999	1/2	36,967	1/2	21,933	1/2	7,460	1/2		1/2		1/2		1/2		1/2	
3/4	66,713	3/4	51,686	3/4	36,653	3/4	21,620	3/4	7,181	3/4		3/4		3/4		3/4		3/4	
11	66,399	11	51,373	11	36,340	11	21,307	11	6,902	11		11		11		11		11	
1/4	66,086	1/4	51,060	1/4	36,027	1/4	20,994	1/4	6,624	1/4		1/4		1/4		1/4		1/4	
1/2	65,773	1/2	50,747	1/2	35,714	1/2	20,681	1/2	6,346	1/2		1/2		1/2		1/2		1/2	
3/4	65,460	3/4	50,434	3/4	35,401	3/4	20,368	3/4	6,071	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "HSM 3018"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/8"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0	201,886	0	186,872	0	171,839	0	156,773	0	141,706	0	126,640	0	111,573	0	96,501		
1/4		1/4		1/4	201,574	1/4	186,560	1/4	171,525	1/4	156,459	1/4	141,392	1/4	126,326	1/4	111,259	1/4	96,186		
1/2		1/2		1/2	201,262	1/2	186,247	1/2	171,211	1/2	156,145	1/2	141,078	1/2	126,012	1/2	110,946	1/2	95,872		
3/4		3/4		3/4	200,949	3/4	185,934	3/4	170,897	3/4	155,831	3/4	140,765	3/4	125,698	3/4	110,632	3/4	95,558		
1		1		1	200,636	1	185,621	1	170,583	1	155,517	1	140,451	1	125,384	1	110,318	1	95,244		
1/4		1/4		1/4	200,324	1/4	185,308	1/4	170,270	1/4	155,203	1/4	140,137	1/4	125,070	1/4	110,004	1/4	94,930		
1/2		1/2		1/2	200,011	1/2	184,995	1/2	169,956	1/2	154,889	1/2	139,823	1/2	124,756	1/2	109,690	1/2	94,616		
3/4		3/4		3/4	199,698	3/4	184,683	3/4	169,642	3/4	154,575	3/4	139,509	3/4	124,443	3/4	109,376	3/4	94,302		
2		2		2	199,385	2	184,370	2	169,328	2	154,262	2	139,195	2	124,129	2	109,062	2	93,988		
1/4		1/4		1/4	212,998	1/4	199,072	1/4	184,057	1/4	169,014	1/4	153,948	1/4	138,881	1/4	123,815	1/4	108,748	1/4	93,674
1/2		1/2		1/2	212,819	1/2	198,759	1/2	183,744	1/2	168,700	1/2	153,634	1/2	138,567	1/2	123,501	1/2	108,434	1/2	93,360
3/4		3/4		3/4	212,640	3/4	198,447	3/4	183,431	3/4	168,386	3/4	153,320	3/4	138,253	3/4	123,187	3/4	108,120	3/4	93,046
3		3		3	212,461	3	198,134	3	183,119	3	168,072	3	153,006	3	137,940	3	122,873	3	107,806	3	92,732
1/4		1/4		1/4	212,269	1/4	197,821	1/4	182,806	1/4	167,758	1/4	152,692	1/4	137,626	1/4	122,559	1/4	107,492	1/4	92,418
1/2		1/2		1/2	212,051	1/2	197,508	1/2	182,493	1/2	167,445	1/2	152,378	1/2	137,312	1/2	122,245	1/2	107,178	1/2	92,104
3/4		3/4		3/4	211,819	3/4	197,195	3/4	182,180	3/4	167,131	3/4	152,064	3/4	136,998	3/4	121,932	3/4	106,864	3/4	91,790
4		4		4	211,588	4	196,883	4	181,867	4	166,817	4	151,750	4	136,684	4	121,618	4	106,550	4	91,476
1/4		1/4		1/4	211,344	1/4	196,570	1/4	181,554	1/4	166,503	1/4	151,437	1/4	136,370	1/4	121,304	1/4	106,236	1/4	91,162
1/2		1/2		1/2	211,077	1/2	196,257	1/2	181,242	1/2	166,189	1/2	151,123	1/2	136,056	1/2	120,990	1/2	105,922	1/2	90,848
3/4		3/4		3/4	210,797	3/4	195,944	3/4	180,929	3/4	165,875	3/4	150,809	3/4	135,742	3/4	120,676	3/4	105,608	3/4	90,534
5		5		5	210,517	5	195,631	5	180,616	5	165,561	5	150,495	5	135,429	5	120,362	5	105,294	5	90,220
1/4		1/4		1/4	210,230	1/4	195,318	1/4	180,303	1/4	165,247	1/4	150,181	1/4	135,115	1/4	120,048	1/4	104,980	1/4	89,906
1/2		1/2		1/2	209,931	1/2	195,006	1/2	179,990	1/2	164,934	1/2	149,867	1/2	134,801	1/2	119,734	1/2	104,666	1/2	89,592
3/4		3/4		3/4	209,625	3/4	194,693	3/4	179,678	3/4	164,620	3/4	149,553	3/4	134,487	3/4	119,420	3/4	104,352	3/4	89,278
6		6		6	209,320	6	194,380	6	179,365	6	164,306	6	149,239	6	134,173	6	119,107	6	104,037	6	88,964
1/4		1/4		1/4	209,013	1/4	194,067	1/4	179,052	1/4	163,992	1/4	148,925	1/4	133,859	1/4	118,793	1/4	103,723	1/4	88,649
1/2		1/2		1/2	208,705	1/2	193,754	1/2	178,739	1/2	163,678	1/2	148,612	1/2	133,545	1/2	118,479	1/2	103,409	1/2	88,335
3/4		3/4		3/4	208,395	3/4	193,442	3/4	178,426	3/4	163,364	3/4	148,298	3/4	133,231	3/4	118,165	3/4	103,095	3/4	88,021
7		7		7	208,086	7	193,129	7	178,113	7	163,050	7	147,984	7	132,917	7	117,851	7	102,781	7	87,707
1/4		1/4		1/4	207,776	1/4	192,816	1/4	177,800	1/4	162,736	1/4	147,670	1/4	132,604	1/4	117,537	1/4	102,467	1/4	87,393
1/2		1/2		1/2	207,467	1/2	192,503	1/2	177,487	1/2	162,422	1/2	147,356	1/2	132,290	1/2	117,223	1/2	102,153	1/2	87,079
3/4		3/4		3/4	207,157	3/4	192,190	3/4	177,174	3/4	162,109	3/4	147,042	3/4	131,976	3/4	116,909	3/4	101,839	3/4	86,765
8		8		8	206,847	8	191,877	8	176,861	8	161,795	8	146,728	8	131,662	8	116,596	8	101,525	8	86,451
1/4		1/4		1/4	206,537	1/4	191,565	1/4	176,547	1/4	161,481	1/4	146,414	1/4	131,348	1/4	116,282	1/4	101,211	1/4	86,137
1/2		1/2		1/2	206,228	1/2	191,252	1/2	176,233	1/2	161,167	1/2	146,101	1/2	131,034	1/2	115,968	1/2	100,897	1/2	85,823
3/4		3/4		3/4	205,918	3/4	190,939	3/4	175,919	3/4	160,853	3/4	145,787	3/4	130,720	3/4	115,654	3/4	100,583	3/4	85,509
9		9		9	205,608	9	190,626	9	175,606	9	160,539	9	145,473	9	130,406	9	115,340	9	100,269	9	85,195
1/4		1/4		1/4	205,298	1/4	190,313	1/4	175,292	1/4	160,225	1/4	145,159	1/4	130,092	1/4	115,026	1/4	99,955	1/4	84,881
1/2		1/2		1/2	204,988	1/2	190,001	1/2	174,978	1/2	159,911	1/2	144,845	1/2	129,779	1/2	114,712	1/2	99,641	1/2	84,567
3/4		3/4		3/4	204,678	3/4	189,688	3/4	174,664	3/4	159,598	3/4	144,531	3/4	129,465	3/4	114,398	3/4	99,327	3/4	84,253
10		10		10	204,369	10	189,375	10	174,350	10	159,284	10	144,217	10	129,151	10	114,084	10	99,013	10	83,939
1/4		1/4		1/4	204,059	1/4	189,062	1/4	174,036	1/4	158,970	1/4	143,903	1/4	128,837	1/4	113,771	1/4	98,699	1/4	83,625
1/2		1/2		1/2	203,749	1/2	188,749	1/2	173,722	1/2	158,656	1/2	143,589	1/2	128,523	1/2	113,457	1/2	98,385	1/2	83,311
3/4		3/4		3/4	203,439	3/4	188,436	3/4	173,408	3/4	158,342	3/4	143,276	3/4	128,209	3/4	113,143	3/4	98,071	3/4	82,997
11		11		11	203,130	11	188,124	11	173,095	11	158,028	11	142,962	11	127,895	11	112,829	11	97,757	11	82,683
1/4		1/4		1/4	202,819	1/4	187,811	1/4	172,781	1/4	157,714	1/4	142,648	1/4	127,581	1/4	112,515	1/4	97,443	1/4	82,369
1/2		1/2		1/2	202,509	1/2	187,498	1/2	172,467	1/2	157,400	1/2	142,334	1/2	127,268	1/2	112,201	1/2	97,129	1/2	82,055
3/4		3/4		3/4	202,197	3/4	187,185	3/4	172,153	3/4	157,086	3/4	142,020	3/4	126,954	3/4	111,887	3/4	96,815	3/4	81,741

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 3018"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/8"

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	81,427	0	66,353	0	51,808	0	37,335	0	22,299	0	7,226	0		0		0		0	
1/4	81,112	1/4	66,040	1/4	51,506	1/4	37,032	1/4	21,985	1/4	6,912	1/4		1/4		1/4		1/4	
1/2	80,798	1/2	65,730	1/2	51,204	1/2	36,725	1/2	21,671	1/2	6,598	1/2		1/2		1/2		1/2	
3/4	80,484	3/4	65,422	3/4	50,902	3/4	36,417	3/4	21,357	3/4	6,284	3/4		3/4		3/4		3/4	
1	80,170	1	65,114	1	50,600	1	36,109	1	21,043	1	5,970	1		1		1		1	
1/4	79,856	1/4	64,807	1/4	50,299	1/4	35,799	1/4	20,729	1/4	5,656	1/4		1/4		1/4		1/4	
1/2	79,542	1/2	64,504	1/2	49,997	1/2	35,486	1/2	20,415	1/2	5,342	1/2		1/2		1/2		1/2	
3/4	79,228	3/4	64,201	3/4	49,695	3/4	35,172	3/4	20,101	3/4	5,028	3/4		3/4		3/4		3/4	
2	78,914	2	63,899	2	49,394	2	34,858	2	19,787	2	4,714	2		2		2		2	
1/4	78,600	1/4	63,597	1/4	49,092	1/4	34,544	1/4	19,473	1/4	4,401	1/4		1/4		1/4		1/4	
1/2	78,286	1/2	63,295	1/2	48,791	1/2	34,230	1/2	19,159	1/2	4,088	1/2		1/2		1/2		1/2	
3/4	77,972	3/4	62,992	3/4	48,489	3/4	33,916	3/4	18,845	3/4	3,775	3/4		3/4		3/4		3/4	
3	77,658	3	62,690	3	48,188	3	33,602	3	18,531	3	3,462	3		3		3		3	
1/4	77,344	1/4	62,388	1/4	47,886	1/4	33,288	1/4	18,217	1/4	3,153	1/4		1/4		1/4		1/4	
1/2	77,030	1/2	62,085	1/2	47,585	1/2	32,974	1/2	17,903	1/2	2,855	1/2		1/2		1/2		1/2	
3/4	76,716	3/4	61,783	3/4	47,284	3/4	32,660	3/4	17,589	3/4	2,561	3/4		3/4		3/4		3/4	
4	76,402	4	61,481	4	46,982	4	32,346	4	17,275	4	2,268	4		4		4		4	
1/4	76,088	1/4	61,179	1/4	46,681	1/4	32,032	1/4	16,961	1/4	1,989	1/4		1/4		1/4		1/4	
1/2	75,774	1/2	60,876	1/2	46,380	1/2	31,718	1/2	16,647	1/2	1,739	1/2		1/2		1/2		1/2	
3/4	75,460	3/4	60,574	3/4	46,078	3/4	31,404	3/4	16,333	3/4	1,503	3/4		3/4		3/4		3/4	
5	75,146	5	60,272	5	45,777	5	31,090	5	16,019	5	1,268	5		5		5		5	
1/4	74,832	1/4	59,970	1/4	45,476	1/4	30,776	1/4	15,705	1/4	1,150	1/4		1/4		1/4		1/4	
1/2	74,518	1/2	59,667	1/2	45,174	1/2	30,462	1/2	15,391	1/2		1/2		1/2		1/2		1/2	
3/4	74,204	3/4	59,365	3/4	44,873	3/4	30,148	3/4	15,077	3/4		3/4		3/4		3/4		3/4	
6	73,890	6	59,063	6	44,572	6	29,834	6	14,763	6		6		6		6		6	
1/4	73,576	1/4	58,761	1/4	44,270	1/4	29,520	1/4	14,449	1/4		1/4		1/4		1/4		1/4	
1/2	73,261	1/2	58,458	1/2	43,969	1/2	29,206	1/2	14,135	1/2		1/2		1/2		1/2		1/2	
3/4	72,947	3/4	58,156	3/4	43,668	3/4	28,892	3/4	13,821	3/4		3/4		3/4		3/4		3/4	
7	72,633	7	57,854	7	43,366	7	28,579	7	13,506	7		7		7		7		7	
1/4	72,319	1/4	57,551	1/4	43,065	1/4	28,265	1/4	13,192	1/4		1/4		1/4		1/4		1/4	
1/2	72,005	1/2	57,249	1/2	42,764	1/2	27,951	1/2	12,878	1/2		1/2		1/2		1/2		1/2	
3/4	71,691	3/4	56,947	3/4	42,462	3/4	27,637	3/4	12,564	3/4		3/4		3/4		3/4		3/4	
8	71,377	8	56,645	8	42,161	8	27,323	8	12,250	8		8		8		8		8	
1/4	71,063	1/4	56,342	1/4	41,860	1/4	27,010	1/4	11,936	1/4		1/4		1/4		1/4		1/4	
1/2	70,749	1/2	56,040	1/2	41,559	1/2	26,696	1/2	11,622	1/2		1/2		1/2		1/2		1/2	
3/4	70,435	3/4	55,738	3/4	41,257	3/4	26,382	3/4	11,308	3/4		3/4		3/4		3/4		3/4	
9	70,121	9	55,436	9	40,956	9	26,068	9	10,994	9		9		9		9		9	
1/4	69,807	1/4	55,133	1/4	40,655	1/4	25,754	1/4	10,680	1/4		1/4		1/4		1/4		1/4	
1/2	69,493	1/2	54,831	1/2	40,353	1/2	25,440	1/2	10,366	1/2		1/2		1/2		1/2		1/2	
3/4	69,179	3/4	54,529	3/4	40,052	3/4	25,126	3/4	10,052	3/4		3/4		3/4		3/4		3/4	
10	68,865	10	54,227	10	39,751	10	24,812	10	9,738	10		10		10		10		10	
1/4	68,551	1/4	53,924	1/4	39,449	1/4	24,498	1/4	9,424	1/4		1/4		1/4		1/4		1/4	
1/2	68,237	1/2	53,622	1/2	39,147	1/2	24,184	1/2	9,110	1/2		1/2		1/2		1/2		1/2	
3/4	67,923	3/4	53,320	3/4	38,846	3/4	23,870	3/4	8,796	3/4		3/4		3/4		3/4		3/4	
11	67,609	11	53,017	11	38,544	11	23,555	11	8,482	11		11		11		11		11	
1/4	67,295	1/4	52,715	1/4	38,242	1/4	23,241	1/4	8,168	1/4		1/4		1/4		1/4		1/4	
1/2	66,981	1/2	52,413	1/2	37,940	1/2	22,927	1/2	7,854	1/2		1/2		1/2		1/2		1/2	
3/4	66,667	3/4	52,111	3/4	37,638	3/4	22,613	3/4	7,540	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/09/2019 CL
CALCULATED: 09/09/2019 CL
REPRINTED: 10/10/2019 SW

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 3018"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/8"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	203,117	0	188,096	0	173,055	0	157,981	0	142,907	0	127,834	0	112,760	0	97,680
1/4		1/4		1/4	202,805	1/4	187,783	1/4	172,741	1/4	157,667	1/4	142,593	1/4	127,520	1/4	112,446	1/4	97,366
1/2		1/2		1/2	202,492	1/2	187,470	1/2	172,427	1/2	157,353	1/2	142,279	1/2	127,206	1/2	112,132	1/2	97,051
3/4		3/4		3/4	202,179	3/4	187,157	3/4	172,113	3/4	157,039	3/4	141,965	3/4	126,892	3/4	111,818	3/4	96,737
1		1		1	201,866	1	186,844	1	171,799	1	156,725	1	141,651	1	126,578	1	111,504	1	96,423
1/4		1/4		1/4	201,553	1/4	186,531	1/4	171,485	1/4	156,411	1/4	141,337	1/4	126,264	1/4	111,190	1/4	96,109
1/2		1/2		1/2	201,240	1/2	186,218	1/2	171,171	1/2	156,097	1/2	141,023	1/2	125,950	1/2	110,876	1/2	95,795
3/4		3/4		3/4	200,927	3/4	185,905	3/4	170,857	3/4	155,783	3/4	140,709	3/4	125,635	3/4	110,562	3/4	95,481
2		2		2	200,614	2	185,592	2	170,543	2	155,469	2	140,395	2	125,321	2	110,248	2	95,166
1/4		1/4	214,234	1/4	200,301	1/4	185,279	1/4	170,229	1/4	155,155	1/4	140,081	1/4	125,007	1/4	109,933	1/4	94,852
1/2		1/2	214,055	1/2	199,988	1/2	184,966	1/2	169,915	1/2	154,841	1/2	139,767	1/2	124,693	1/2	109,619	1/2	94,538
3/4		3/4	213,876	3/4	199,675	3/4	184,653	3/4	169,600	3/4	154,527	3/4	139,453	3/4	124,379	3/4	109,305	3/4	94,224
3		3	213,697	3	199,362	3	184,340	3	169,286	3	154,213	3	139,139	3	124,065	3	108,991	3	93,910
1/4		1/4	213,504	1/4	199,050	1/4	184,027	1/4	168,972	1/4	153,899	1/4	138,825	1/4	123,751	1/4	108,677	1/4	93,595
1/2		1/2	213,286	1/2	198,737	1/2	183,714	1/2	168,658	1/2	153,585	1/2	138,511	1/2	123,437	1/2	108,362	1/2	93,281
3/4		3/4	213,055	3/4	198,424	3/4	183,401	3/4	168,344	3/4	153,271	3/4	138,197	3/4	123,123	3/4	108,048	3/4	92,967
4		4	212,823	4	198,111	4	183,088	4	168,030	4	152,957	4	137,883	4	122,809	4	107,734	4	92,653
1/4		1/4	212,579	1/4	197,798	1/4	182,775	1/4	167,716	1/4	152,643	1/4	137,569	1/4	122,495	1/4	107,420	1/4	92,339
1/2		1/2	212,312	1/2	197,485	1/2	182,462	1/2	167,402	1/2	152,329	1/2	137,255	1/2	122,181	1/2	107,106	1/2	92,024
3/4		3/4	212,032	3/4	197,172	3/4	182,149	3/4	167,088	3/4	152,014	3/4	136,941	3/4	121,867	3/4	106,791	3/4	91,710
5		5	211,751	5	196,859	5	181,836	5	166,774	5	151,700	5	136,627	5	121,553	5	106,477	5	91,396
1/4		1/4	211,465	1/4	196,546	1/4	181,523	1/4	166,460	1/4	151,386	1/4	136,313	1/4	121,239	1/4	106,163	1/4	91,082
1/2		1/2	211,166	1/2	196,233	1/2	181,210	1/2	166,146	1/2	151,072	1/2	135,999	1/2	120,925	1/2	105,849	1/2	90,768
3/4		3/4	210,860	3/4	195,920	3/4	180,897	3/4	165,832	3/4	150,758	3/4	135,685	3/4	120,611	3/4	105,535	3/4	90,453
6		6	210,554	6	195,607	6	180,584	6	165,518	6	150,444	6	135,371	6	120,297	6	105,221	6	90,139
1/4		1/4	210,247	1/4	195,294	1/4	180,271	1/4	165,204	1/4	150,130	1/4	135,057	1/4	119,983	1/4	104,906	1/4	89,825
1/2		1/2	209,939	1/2	194,981	1/2	179,958	1/2	164,890	1/2	149,816	1/2	134,743	1/2	119,669	1/2	104,592	1/2	89,511
3/4		3/4	209,629	3/4	194,668	3/4	179,645	3/4	164,576	3/4	149,502	3/4	134,428	3/4	119,355	3/4	104,278	3/4	89,197
7		7	209,320	7	194,355	7	179,332	7	164,262	7	149,188	7	134,114	7	119,041	7	103,964	7	88,882
1/4		1/4	209,010	1/4	194,042	1/4	179,019	1/4	163,948	1/4	148,874	1/4	133,800	1/4	118,727	1/4	103,650	1/4	88,568
1/2		1/2	208,700	1/2	193,729	1/2	178,706	1/2	163,634	1/2	148,560	1/2	133,486	1/2	118,413	1/2	103,335	1/2	88,254
3/4		3/4	208,390	3/4	193,416	3/4	178,392	3/4	163,320	3/4	148,246	3/4	133,172	3/4	118,099	3/4	103,021	3/4	87,940
8		8	208,080	8	193,103	8	178,079	8	163,006	8	147,932	8	132,858	8	117,785	8	102,707	8	87,626
1/4		1/4	207,770	1/4	192,790	1/4	177,765	1/4	162,692	1/4	147,618	1/4	132,544	1/4	117,471	1/4	102,393	1/4	87,311
1/2		1/2	207,460	1/2	192,477	1/2	177,451	1/2	162,378	1/2	147,304	1/2	132,230	1/2	117,157	1/2	102,079	1/2	86,997
3/4		3/4	207,150	3/4	192,164	3/4	177,137	3/4	162,064	3/4	146,990	3/4	131,916	3/4	116,843	3/4	101,764	3/4	86,683
9		9	206,840	9	191,851	9	176,823	9	161,750	9	146,676	9	131,602	9	116,528	9	101,450	9	86,369
1/4		1/4	206,530	1/4	191,538	1/4	176,509	1/4	161,436	1/4	146,362	1/4	131,288	1/4	116,214	1/4	101,136	1/4	86,055
1/2		1/2	206,220	1/2	191,225	1/2	176,195	1/2	161,122	1/2	146,048	1/2	130,974	1/2	115,900	1/2	100,822	1/2	85,741
3/4		3/4	205,910	3/4	190,912	3/4	175,881	3/4	160,807	3/4	145,734	3/4	130,660	3/4	115,586	3/4	100,508	3/4	85,426
10		10	205,600	10	190,599	10	175,567	10	160,493	10	145,420	10	130,346	10	115,272	10	100,193	10	85,112
1/4		1/4	205,290	1/4	190,286	1/4	175,253	1/4	160,179	1/4	145,106	1/4	130,032	1/4	114,958	1/4	99,879	1/4	84,798
1/2		1/2	204,980	1/2	189,973	1/2	174,939	1/2	159,865	1/2	144,792	1/2	129,718	1/2	114,644	1/2	99,565	1/2	84,484
3/4		3/4	204,671	3/4	189,660	3/4	174,625	3/4	159,551	3/4	144,478	3/4	129,404	3/4	114,330	3/4	99,251	3/4	84,170
11		11	204,361	11	189,347	11	174,311	11	159,237	11	144,164	11	129,090	11	114,016	11	98,937	11	83,855
1/4		1/4	204,050	1/4	189,034	1/4	173,997	1/4	158,923	1/4	143,850	1/4	128,776	1/4	113,702	1/4	98,622	1/4	83,541
1/2		1/2	203,739	1/2	188,721	1/2	173,683	1/2	158,609	1/2	143,536	1/2	128,462	1/2	113,388	1/2	98,308	1/2	83,227
3/4		3/4	203,428	3/4	188,409	3/4	173,369	3/4	158,295	3/4	143,221	3/4	128,148	3/4	113,074	3/4	97,994	3/4	82,913

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 3018"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/8"

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	82,599	0	67,517	0	52,436	0	37,390	0	22,311	0	7,230	0		0		0		0	
1/4	82,284	1/4	67,203	1/4	52,122	1/4	37,076	1/4	21,997	1/4	6,916	1/4		1/4		1/4		1/4	
1/2	81,970	1/2	66,889	1/2	51,808	1/2	36,762	1/2	21,683	1/2	6,602	1/2		1/2		1/2		1/2	
3/4	81,656	3/4	66,575	3/4	51,494	3/4	36,448	3/4	21,369	3/4	6,288	3/4		3/4		3/4		3/4	
1	81,342	1	66,261	1	51,180	1	36,133	1	21,055	1	5,973	1		1		1		1	
1/4	81,028	1/4	65,946	1/4	50,867	1/4	35,819	1/4	20,740	1/4	5,659	1/4		1/4		1/4		1/4	
1/2	80,713	1/2	65,632	1/2	50,553	1/2	35,505	1/2	20,426	1/2	5,345	1/2		1/2		1/2		1/2	
3/4	80,399	3/4	65,318	3/4	50,240	3/4	35,191	3/4	20,112	3/4	5,031	3/4		3/4		3/4		3/4	
2	80,085	2	65,004	2	49,926	2	34,877	2	19,798	2	4,717	2		2		2		2	
1/4	79,771	1/4	64,690	1/4	49,613	1/4	34,562	1/4	19,484	1/4	4,404	1/4		1/4		1/4		1/4	
1/2	79,457	1/2	64,375	1/2	49,299	1/2	34,248	1/2	19,169	1/2	4,090	1/2		1/2		1/2		1/2	
3/4	79,142	3/4	64,061	3/4	48,986	3/4	33,934	3/4	18,855	3/4	3,777	3/4		3/4		3/4		3/4	
3	78,828	3	63,747	3	48,672	3	33,620	3	18,541	3	3,464	3		3		3		3	
1/4	78,514	1/4	63,433	1/4	48,359	1/4	33,306	1/4	18,227	1/4	3,155	1/4		1/4		1/4		1/4	
1/2	78,200	1/2	63,119	1/2	48,046	1/2	32,992	1/2	17,913	1/2	2,857	1/2		1/2		1/2		1/2	
3/4	77,886	3/4	62,804	3/4	47,733	3/4	32,677	3/4	17,598	3/4	2,563	3/4		3/4		3/4		3/4	
4	77,572	4	62,490	4	47,419	4	32,363	4	17,284	4	2,269	4		4		4		4	
1/4	77,257	1/4	62,176	1/4	47,106	1/4	32,049	1/4	16,970	1/4	1,990	1/4		1/4		1/4		1/4	
1/2	76,943	1/2	61,862	1/2	46,793	1/2	31,735	1/2	16,656	1/2	1,740	1/2		1/2		1/2		1/2	
3/4	76,629	3/4	61,548	3/4	46,479	3/4	31,421	3/4	16,342	3/4	1,504	3/4		3/4		3/4		3/4	
5	76,315	5	61,233	5	46,166	5	31,106	5	16,027	5	1,269	5		5		5		5	
1/4	76,001	1/4	60,919	1/4	45,853	1/4	30,792	1/4	15,713	1/4	1,151	1/4		1/4		1/4		1/4	
1/2	75,686	1/2	60,605	1/2	45,540	1/2	30,478	1/2	15,399	1/2		1/2		1/2		1/2		1/2	
3/4	75,372	3/4	60,291	3/4	45,226	3/4	30,164	3/4	15,085	3/4		3/4		3/4		3/4		3/4	
6	75,058	6	59,977	6	44,913	6	29,850	6	14,771	6		6		6		6		6	
1/4	74,744	1/4	59,662	1/4	44,600	1/4	29,536	1/4	14,456	1/4		1/4		1/4		1/4		1/4	
1/2	74,430	1/2	59,348	1/2	44,287	1/2	29,222	1/2	14,142	1/2		1/2		1/2		1/2		1/2	
3/4	74,115	3/4	59,034	3/4	43,973	3/4	28,908	3/4	13,828	3/4		3/4		3/4		3/4		3/4	
7	73,801	7	58,720	7	43,660	7	28,594	7	13,514	7		7		7		7		7	
1/4	73,487	1/4	58,406	1/4	43,347	1/4	28,280	1/4	13,200	1/4		1/4		1/4		1/4		1/4	
1/2	73,173	1/2	58,092	1/2	43,034	1/2	27,966	1/2	12,886	1/2		1/2		1/2		1/2		1/2	
3/4	72,859	3/4	57,777	3/4	42,720	3/4	27,652	3/4	12,571	3/4		3/4		3/4		3/4		3/4	
8	72,544	8	57,463	8	42,407	8	27,338	8	12,257	8		8		8		8		8	
1/4	72,230	1/4	57,149	1/4	42,094	1/4	27,024	1/4	11,943	1/4		1/4		1/4		1/4		1/4	
1/2	71,916	1/2	56,835	1/2	41,781	1/2	26,710	1/2	11,629	1/2		1/2		1/2		1/2		1/2	
3/4	71,602	3/4	56,521	3/4	41,467	3/4	26,396	3/4	11,315	3/4		3/4		3/4		3/4		3/4	
9	71,288	9	56,206	9	41,154	9	26,082	9	11,000	9		9		9		9		9	
1/4	70,973	1/4	55,892	1/4	40,841	1/4	25,767	1/4	10,686	1/4		1/4		1/4		1/4		1/4	
1/2	70,659	1/2	55,578	1/2	40,527	1/2	25,453	1/2	10,372	1/2		1/2		1/2		1/2		1/2	
3/4	70,345	3/4	55,264	3/4	40,214	3/4	25,139	3/4	10,058	3/4		3/4		3/4		3/4		3/4	
10	70,031	10	54,950	10	39,901	10	24,825	10	9,744	10		10		10		10		10	
1/4	69,717	1/4	54,635	1/4	39,588	1/4	24,511	1/4	9,429	1/4		1/4		1/4		1/4		1/4	
1/2	69,402	1/2	54,321	1/2	39,274	1/2	24,196	1/2	9,115	1/2		1/2		1/2		1/2		1/2	
3/4	69,088	3/4	54,007	3/4	38,960	3/4	23,882	3/4	8,801	3/4		3/4		3/4		3/4		3/4	
11	68,774	11	53,693	11	38,647	11	23,568	11	8,487	11		11		11		11		11	
1/4	68,460	1/4	53,379	1/4	38,333	1/4	23,254	1/4	8,173	1/4		1/4		1/4		1/4		1/4	
1/2	68,146	1/2	53,064	1/2	38,019	1/2	22,940	1/2	7,858	1/2		1/2		1/2		1/2		1/2	
3/4	67,832	3/4	52,750	3/4	37,704	3/4	22,625	3/4	7,544	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/09/2019 CL
CALCULATED: 09/09/2019 CL
REPRINTED: 10/10/2019 SW

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 3018"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/8"

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	184,340	0	174,006	0	163,659	0	153,288	0	141,314	0	126,346	0	111,377	0	96,394
1/4		1/4		1/4	184,125	1/4	173,791	1/4	163,443	1/4	153,072	1/4	141,002	1/4	126,034	1/4	111,065	1/4	96,082
1/2		1/2		1/2	183,910	1/2	173,575	1/2	163,227	1/2	152,856	1/2	140,691	1/2	125,722	1/2	110,753	1/2	95,770
3/4		3/4		3/4	183,695	3/4	173,360	3/4	163,011	3/4	152,640	3/4	140,379	3/4	125,410	3/4	110,441	3/4	95,458
1		1		1	183,479	1	173,145	1	162,795	1	152,424	1	140,067	1	125,098	1	110,129	1	95,146
1/4		1/4		1/4	183,264	1/4	172,930	1/4	162,578	1/4	152,208	1/4	139,755	1/4	124,786	1/4	109,817	1/4	94,834
1/2		1/2		1/2	183,049	1/2	172,714	1/2	162,362	1/2	151,992	1/2	139,444	1/2	124,474	1/2	109,505	1/2	94,522
3/4		3/4		3/4	182,833	3/4	172,499	3/4	162,146	3/4	151,775	3/4	139,132	3/4	124,163	3/4	109,193	3/4	94,210
2		2		2	182,618	2	172,284	2	161,930	2	151,559	2	138,820	2	123,851	2	108,882	2	93,898
1/4		1/4		1/4	192,045	1/4	182,403	1/4	172,068	1/4	161,714	1/4	151,343	1/4	138,508	1/4	123,539	1/4	93,586
1/2		1/2		1/2	191,921	1/2	182,187	1/2	171,853	1/2	161,498	1/2	151,127	1/2	138,196	1/2	123,227	1/2	93,274
3/4		3/4		3/4	191,798	3/4	181,972	3/4	171,638	3/4	161,282	3/4	150,911	3/4	137,884	3/4	122,915	3/4	92,962
3		3		3	191,674	3	181,757	3	171,422	3	161,066	3	150,695	3	137,572	3	122,603	3	92,650
1/4		1/4		1/4	191,541	1/4	181,542	1/4	171,207	1/4	160,850	1/4	150,479	1/4	137,261	1/4	122,291	1/4	92,338
1/2		1/2		1/2	191,391	1/2	181,326	1/2	170,992	1/2	160,634	1/2	150,263	1/2	136,949	1/2	121,980	1/2	92,026
3/4		3/4		3/4	191,231	3/4	181,111	3/4	170,777	3/4	160,418	3/4	150,047	3/4	136,637	3/4	121,668	3/4	91,714
4		4		4	191,071	4	180,896	4	170,561	4	160,202	4	149,831	4	136,325	4	121,356	4	91,402
1/4		1/4		1/4	190,903	1/4	180,680	1/4	170,346	1/4	159,986	1/4	149,614	1/4	136,013	1/4	121,044	1/4	91,090
1/2		1/2		1/2	190,718	1/2	180,465	1/2	170,131	1/2	159,770	1/2	149,395	1/2	135,701	1/2	120,732	1/2	90,778
3/4		3/4		3/4	190,525	3/4	180,250	3/4	169,915	3/4	159,554	3/4	149,176	3/4	135,389	3/4	120,420	3/4	90,466
5		5		5	190,332	5	180,034	5	169,700	5	159,338	5	148,956	5	135,078	5	120,108	5	90,154
1/4		1/4		1/4	190,134	1/4	179,819	1/4	169,485	1/4	159,122	1/4	148,734	1/4	134,766	1/4	119,797	1/4	89,842
1/2		1/2		1/2	189,927	1/2	179,604	1/2	169,269	1/2	158,905	1/2	148,505	1/2	134,454	1/2	119,485	1/2	89,530
3/4		3/4		3/4	189,716	3/4	179,389	3/4	169,054	3/4	158,689	3/4	148,274	3/4	134,142	3/4	119,173	3/4	89,218
6		6		6	189,504	6	179,173	6	168,839	6	158,473	6	148,043	6	133,830	6	118,861	6	88,906
1/4		1/4		1/4	189,291	1/4	178,958	1/4	168,624	1/4	158,257	1/4	147,808	1/4	133,518	1/4	118,549	1/4	88,594
1/2		1/2		1/2	189,077	1/2	178,743	1/2	168,408	1/2	158,041	1/2	147,565	1/2	133,206	1/2	118,237	1/2	88,281
3/4		3/4		3/4	188,862	3/4	178,527	3/4	168,193	3/4	157,825	3/4	147,317	3/4	132,895	3/4	117,925	3/4	87,969
7		7		7	188,647	7	178,312	7	167,978	7	157,609	7	147,070	7	132,583	7	117,614	7	87,657
1/4		1/4		1/4	188,432	1/4	178,097	1/4	167,762	1/4	157,393	1/4	146,819	1/4	132,271	1/4	117,302	1/4	87,345
1/2		1/2		1/2	188,217	1/2	177,881	1/2	167,547	1/2	157,177	1/2	146,560	1/2	131,959	1/2	116,990	1/2	87,033
3/4		3/4		3/4	188,001	3/4	177,666	3/4	167,331	3/4	156,961	3/4	146,297	3/4	131,647	3/4	116,678	3/4	86,720
8		8		8	187,786	8	177,451	8	167,115	8	156,745	8	146,034	8	131,335	8	116,366	8	86,408
1/4		1/4		1/4	187,571	1/4	177,236	1/4	166,900	1/4	156,529	1/4	145,767	1/4	131,023	1/4	116,054	1/4	86,096
1/2		1/2		1/2	187,355	1/2	177,020	1/2	166,684	1/2	156,313	1/2	145,492	1/2	130,712	1/2	115,743	1/2	85,783
3/4		3/4		3/4	187,140	3/4	176,805	3/4	166,468	3/4	156,097	3/4	145,214	3/4	130,400	3/4	115,431	3/4	85,471
9		9		9	186,924	9	176,590	9	166,252	9	155,881	9	144,935	9	130,088	9	115,119	9	85,159
1/4		1/4		1/4	186,709	1/4	176,374	1/4	166,035	1/4	155,665	1/4	144,652	1/4	129,776	1/4	114,807	1/4	84,846
1/2		1/2		1/2	186,494	1/2	176,159	1/2	165,819	1/2	155,449	1/2	144,362	1/2	129,464	1/2	114,495	1/2	84,534
3/4		3/4		3/4	186,278	3/4	175,944	3/4	165,603	3/4	155,232	3/4	144,067	3/4	129,152	3/4	114,183	3/4	84,222
10		10		10	186,063	10	175,728	10	165,387	10	155,016	10	143,772	10	128,840	10	113,871	10	83,909
1/4		1/4		1/4	185,848	1/4	175,513	1/4	165,171	1/4	154,800	1/4	143,474	1/4	128,529	1/4	113,560	1/4	83,597
1/2		1/2		1/2	185,632	1/2	175,298	1/2	164,955	1/2	154,584	1/2	143,170	1/2	128,217	1/2	113,248	1/2	83,285
3/4		3/4		3/4	185,417	3/4	175,083	3/4	164,739	3/4	154,368	3/4	142,863	3/4	127,905	3/4	112,936	3/4	82,972
11		11		11	185,202	11	174,867	11	164,523	11	154,152	11	142,556	11	127,593	11	112,624	11	82,660
1/4		1/4		1/4	184,986	1/4	174,652	1/4	164,307	1/4	153,936	1/4	142,248	1/4	127,281	1/4	112,312	1/4	82,348
1/2		1/2		1/2	184,771	1/2	174,437	1/2	164,091	1/2	153,720	1/2	141,937	1/2	126,969	1/2	112,000	1/2	82,035
3/4		3/4		3/4	184,556	3/4	174,221	3/4	163,875	3/4	153,504	3/4	141,626	3/4	126,657	3/4	111,688	3/4	81,723

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "HSM 3018"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/8"

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	81,411	0	66,491	0	51,744	0	37,165	0	22,198	0	7,198	0		0		0		0	
1/4	81,098	1/4	66,181	1/4	51,441	1/4	36,859	1/4	21,886	1/4	6,885	1/4		1/4		1/4		1/4	
1/2	80,786	1/2	65,870	1/2	51,139	1/2	36,552	1/2	21,574	1/2	6,573	1/2		1/2		1/2		1/2	
3/4	80,474	3/4	65,560	3/4	50,836	3/4	36,244	3/4	21,261	3/4	6,260	3/4		3/4		3/4		3/4	
1	80,161	1	65,250	1	50,534	1	35,936	1	20,949	1	5,948	1		1		1		1	
1/4	79,849	1/4	64,939	1/4	50,231	1/4	35,626	1/4	20,636	1/4	5,635	1/4		1/4		1/4		1/4	
1/2	79,537	1/2	64,629	1/2	49,929	1/2	35,315	1/2	20,324	1/2	5,323	1/2		1/2		1/2		1/2	
3/4	79,224	3/4	64,319	3/4	49,626	3/4	35,004	3/4	20,012	3/4	5,010	3/4		3/4		3/4		3/4	
2	78,912	2	64,008	2	49,324	2	34,692	2	19,699	2	4,697	2		2		2		2	
1/4	78,600	1/4	63,698	1/4	49,021	1/4	34,380	1/4	19,387	1/4	4,385	1/4		1/4		1/4		1/4	
1/2	78,288	1/2	63,387	1/2	48,719	1/2	34,067	1/2	19,074	1/2	4,073	1/2		1/2		1/2		1/2	
3/4	77,977	3/4	63,075	3/4	48,416	3/4	33,755	3/4	18,762	3/4	3,761	3/4		3/4		3/4		3/4	
3	77,665	3	62,764	3	48,114	3	33,443	3	18,450	3	3,449	3		3		3		3	
1/4	77,354	1/4	62,453	1/4	47,811	1/4	33,130	1/4	18,137	1/4	3,142	1/4		1/4		1/4		1/4	
1/2	77,044	1/2	62,141	1/2	47,509	1/2	32,818	1/2	17,825	1/2	2,845	1/2		1/2		1/2		1/2	
3/4	76,733	3/4	61,829	3/4	47,207	3/4	32,505	3/4	17,512	3/4	2,552	3/4		3/4		3/4		3/4	
4	76,423	4	61,517	4	46,905	4	32,193	4	17,200	4	2,260	4		4		4		4	
1/4	76,113	1/4	61,205	1/4	46,603	1/4	31,881	1/4	16,888	1/4	1,982	1/4		1/4		1/4		1/4	
1/2	75,802	1/2	60,893	1/2	46,301	1/2	31,568	1/2	16,575	1/2	1,732	1/2		1/2		1/2		1/2	
3/4	75,492	3/4	60,581	3/4	45,999	3/4	31,256	3/4	16,263	3/4	1,498	3/4		3/4		3/4		3/4	
5	75,182	5	60,269	5	45,697	5	30,944	5	15,950	5	1,263	5		5		5		5	
1/4	74,871	1/4	59,958	1/4	45,395	1/4	30,631	1/4	15,638	1/4	1,146	1/4		1/4		1/4		1/4	
1/2	74,561	1/2	59,648	1/2	45,092	1/2	30,319	1/2	15,326	1/2		1/2		1/2		1/2		1/2	
3/4	74,250	3/4	59,339	3/4	44,789	3/4	30,006	3/4	15,013	3/4		3/4		3/4		3/4		3/4	
6	73,940	6	59,030	6	44,485	6	29,694	6	14,701	6		6		6		6		6	
1/4	73,630	1/4	58,722	1/4	44,181	1/4	29,382	1/4	14,388	1/4		1/4		1/4		1/4		1/4	
1/2	73,319	1/2	58,416	1/2	43,877	1/2	29,070	1/2	14,076	1/2		1/2		1/2		1/2		1/2	
3/4	73,009	3/4	58,110	3/4	43,572	3/4	28,757	3/4	13,764	3/4		3/4		3/4		3/4		3/4	
7	72,699	7	57,804	7	43,267	7	28,445	7	13,451	7		7		7		7		7	
1/4	72,388	1/4	57,499	1/4	42,962	1/4	28,133	1/4	13,139	1/4		1/4		1/4		1/4		1/4	
1/2	72,078	1/2	57,194	1/2	42,657	1/2	27,821	1/2	12,826	1/2		1/2		1/2		1/2		1/2	
3/4	71,767	3/4	56,890	3/4	42,351	3/4	27,509	3/4	12,514	3/4		3/4		3/4		3/4		3/4	
8	71,457	8	56,586	8	42,046	8	27,196	8	12,202	8		8		8		8		8	
1/4	71,147	1/4	56,282	1/4	41,741	1/4	26,884	1/4	11,889	1/4		1/4		1/4		1/4		1/4	
1/2	70,836	1/2	55,979	1/2	41,436	1/2	26,572	1/2	11,577	1/2		1/2		1/2		1/2		1/2	
3/4	70,526	3/4	55,677	3/4	41,131	3/4	26,259	3/4	11,264	3/4		3/4		3/4		3/4		3/4	
9	70,216	9	55,374	9	40,826	9	25,947	9	10,951	9		9		9		9		9	
1/4	69,905	1/4	55,072	1/4	40,521	1/4	25,635	1/4	10,639	1/4		1/4		1/4		1/4		1/4	
1/2	69,595	1/2	54,769	1/2	40,216	1/2	25,322	1/2	10,326	1/2		1/2		1/2		1/2		1/2	
3/4	69,284	3/4	54,467	3/4	39,911	3/4	25,010	3/4	10,013	3/4		3/4		3/4		3/4		3/4	
10	68,974	10	54,164	10	39,606	10	24,698	10	9,700	10		10		10		10		10	
1/4	68,664	1/4	53,862	1/4	39,301	1/4	24,385	1/4	9,387	1/4		1/4		1/4		1/4		1/4	
1/2	68,353	1/2	53,559	1/2	38,996	1/2	24,073	1/2	9,074	1/2		1/2		1/2		1/2		1/2	
3/4	68,043	3/4	53,257	3/4	38,691	3/4	23,760	3/4	8,761	3/4		3/4		3/4		3/4		3/4	
11	67,733	11	52,954	11	38,386	11	23,448	11	8,449	11		11		11		11		11	
1/4	67,422	1/4	52,652	1/4	38,081	1/4	23,136	1/4	8,136	1/4		1/4		1/4		1/4		1/4	
1/2	67,112	1/2	52,349	1/2	37,775	1/2	22,823	1/2	7,823	1/2		1/2		1/2		1/2		1/2	
3/4	66,802	3/4	52,047	3/4	37,470	3/4	22,511	3/4	7,511	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/09/2019 CL
CALCULATED: 09/09/2019 CL
REPRINTED: 10/10/2019 SW

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 3018"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/8"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	185,380	0	175,045	0	164,698	0	154,326	0	142,339	0	127,337	0	112,335	0	97,318	
1/4	1/4	1/4	1/4	185,165	1/4	174,830	1/4	164,482	1/4	154,110	1/4	142,027	1/4	127,025	1/4	112,022	1/4	97,005	
1/2	1/2	1/2	1/2	184,950	1/2	174,615	1/2	164,265	1/2	153,894	1/2	141,715	1/2	126,712	1/2	111,710	1/2	96,692	
3/4	3/4	3/4	3/4	184,734	3/4	174,399	3/4	164,049	3/4	153,678	3/4	141,402	3/4	126,400	3/4	111,397	3/4	96,379	
1	1	1	1	184,519	1	174,184	1	163,833	1	153,462	1	141,090	1	126,087	1	111,085	1	96,066	
1/4	1/4	1/4	1/4	184,304	1/4	173,969	1/4	163,617	1/4	153,246	1/4	140,777	1/4	125,775	1/4	110,772	1/4	95,753	
1/2	1/2	1/2	1/2	184,088	1/2	173,753	1/2	163,401	1/2	153,030	1/2	140,465	1/2	125,462	1/2	110,460	1/2	95,440	
3/4	3/4	3/4	3/4	183,873	3/4	173,538	3/4	163,185	3/4	152,814	3/4	140,152	3/4	125,150	3/4	110,147	3/4	95,127	
2	2	2	2	183,658	2	173,323	2	162,969	2	152,598	2	139,840	2	124,837	2	109,834	2	94,814	
1/4	1/4	193,085	1/4	183,442	1/4	173,108	1/4	162,753	1/4	152,382	1/4	139,527	1/4	124,525	1/4	109,522	1/4	94,501	
1/2	1/2	192,961	1/2	183,227	1/2	172,892	1/2	162,537	1/2	152,166	1/2	139,215	1/2	124,212	1/2	109,209	1/2	94,188	
3/4	3/4	192,838	3/4	183,012	3/4	172,677	3/4	162,321	3/4	151,950	3/4	138,902	3/4	123,899	3/4	108,896	3/4	93,875	
3	3	192,714	3	182,796	3	172,462	3	162,105	3	151,733	3	138,589	3	123,587	3	108,584	3	93,562	
1/4	1/4	192,581	1/4	182,581	1/4	172,246	1/4	161,889	1/4	151,517	1/4	138,277	1/4	123,274	1/4	108,271	1/4	93,249	
1/2	1/2	192,431	1/2	182,366	1/2	172,031	1/2	161,673	1/2	151,301	1/2	137,964	1/2	122,962	1/2	107,958	1/2	92,936	
3/4	3/4	192,271	3/4	182,151	3/4	171,816	3/4	161,457	3/4	151,085	3/4	137,652	3/4	122,649	3/4	107,645	3/4	92,623	
4	4	192,111	4	181,935	4	171,600	4	161,240	4	150,869	4	137,339	4	122,337	4	107,333	4	92,310	
1/4	1/4	191,943	1/4	181,720	1/4	171,385	1/4	161,024	1/4	150,652	1/4	137,027	1/4	122,024	1/4	107,020	1/4	91,997	
1/2	1/2	191,758	1/2	181,505	1/2	171,170	1/2	160,808	1/2	150,433	1/2	136,714	1/2	121,712	1/2	106,707	1/2	91,684	
3/4	3/4	191,565	3/4	181,289	3/4	170,954	3/4	160,592	3/4	150,214	3/4	136,402	3/4	121,399	3/4	106,394	3/4	91,371	
5	5	191,372	5	181,074	5	170,739	5	160,376	5	149,994	5	136,089	5	121,086	5	106,081	5	91,058	
1/4	1/4	191,174	1/4	180,859	1/4	170,524	1/4	160,160	1/4	149,772	1/4	135,776	1/4	120,774	1/4	105,768	1/4	90,745	
1/2	1/2	190,967	1/2	180,643	1/2	170,309	1/2	159,944	1/2	149,543	1/2	135,464	1/2	120,461	1/2	105,455	1/2	90,432	
3/4	3/4	190,756	3/4	180,428	3/4	170,093	3/4	159,728	3/4	149,312	3/4	135,151	3/4	120,149	3/4	105,142	3/4	90,119	
6	6	190,544	6	180,213	6	169,878	6	159,512	6	149,081	6	134,839	6	119,836	6	104,829	6	89,806	
1/4	1/4	190,331	1/4	179,997	1/4	169,663	1/4	159,296	1/4	148,846	1/4	134,526	1/4	119,524	1/4	104,516	1/4	89,493	
1/2	1/2	190,117	1/2	179,782	1/2	169,447	1/2	159,080	1/2	148,602	1/2	134,214	1/2	119,211	1/2	104,203	1/2	89,181	
3/4	3/4	189,902	3/4	179,567	3/4	169,232	3/4	158,864	3/4	148,355	3/4	133,901	3/4	118,899	3/4	103,890	3/4	88,868	
7	7	189,687	7	179,352	7	169,017	7	158,648	7	148,107	7	133,589	7	118,586	7	103,577	7	88,555	
1/4	1/4	189,472	1/4	179,136	1/4	168,801	1/4	158,432	1/4	147,856	1/4	133,276	1/4	118,273	1/4	103,264	1/4	88,242	
1/2	1/2	189,257	1/2	178,921	1/2	168,586	1/2	158,216	1/2	147,597	1/2	132,963	1/2	117,961	1/2	102,951	1/2	87,929	
3/4	3/4	189,041	3/4	178,706	3/4	168,370	3/4	157,999	3/4	147,333	3/4	132,651	3/4	117,648	3/4	102,638	3/4	87,616	
8	8	188,826	8	178,490	8	168,154	8	157,783	8	147,070	8	132,338	8	117,336	8	102,325	8	87,303	
1/4	1/4	188,610	1/4	178,275	1/4	167,939	1/4	157,567	1/4	146,803	1/4	132,026	1/4	117,023	1/4	102,012	1/4	86,990	
1/2	1/2	188,395	1/2	178,060	1/2	167,723	1/2	157,351	1/2	146,527	1/2	131,713	1/2	116,711	1/2	101,699	1/2	86,677	
3/4	3/4	188,180	3/4	177,844	3/4	167,506	3/4	157,135	3/4	146,248	3/4	131,401	3/4	116,398	3/4	101,386	3/4	86,364	
9	9	187,964	9	177,629	9	167,290	9	156,919	9	145,969	9	131,088	9	116,086	9	101,073	9	86,051	
1/4	1/4	187,749	1/4	177,414	1/4	167,074	1/4	156,703	1/4	145,685	1/4	130,776	1/4	115,773	1/4	100,760	1/4	85,738	
1/2	1/2	187,533	1/2	177,198	1/2	166,858	1/2	156,487	1/2	145,394	1/2	130,463	1/2	115,460	1/2	100,447	1/2	85,425	
3/4	3/4	187,318	3/4	176,983	3/4	166,642	3/4	156,271	3/4	145,098	3/4	130,150	3/4	115,148	3/4	100,134	3/4	85,112	
10	10	187,103	10	176,768	10	166,426	10	156,055	10	144,803	10	129,838	10	114,835	10	99,821	10	84,799	
1/4	1/4	186,887	1/4	176,553	1/4	166,210	1/4	155,839	1/4	144,504	1/4	129,525	1/4	114,523	1/4	99,509	1/4	84,486	
1/2	1/2	186,672	1/2	176,337	1/2	165,994	1/2	155,623	1/2	144,200	1/2	129,213	1/2	114,210	1/2	99,196	1/2	84,173	
3/4	3/4	186,457	3/4	176,122	3/4	165,778	3/4	155,407	3/4	143,892	3/4	128,900	3/4	113,898	3/4	98,883	3/4	83,860	
11	11	186,241	11	175,907	11	165,562	11	155,191	11	143,584	11	128,588	11	113,585	11	98,570	11	83,547	
1/4	1/4	186,026	1/4	175,691	1/4	165,346	1/4	154,974	1/4	143,275	1/4	128,275	1/4	113,273	1/4	98,257	1/4	83,234	
1/2	1/2	185,811	1/2	175,476	1/2	165,130	1/2	154,758	1/2	142,964	1/2	127,963	1/2	112,960	1/2	97,944	1/2	82,921	
3/4	3/4	185,595	3/4	175,261	3/4	164,914	3/4	154,542	3/4	142,652	3/4	127,650	3/4	112,648	3/4	97,631	3/4	82,608	

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 3018"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/8"

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	82,295	0	67,273	0	52,250	0	37,242	0	22,223	0	7,201	0		0		0		0	
1/4	81,982	1/4	66,960	1/4	51,937	1/4	36,929	1/4	21,910	1/4	6,888	1/4		1/4		1/4		1/4	
1/2	81,669	1/2	66,647	1/2	51,624	1/2	36,617	1/2	21,597	1/2	6,575	1/2		1/2		1/2		1/2	
3/4	81,356	3/4	66,334	3/4	51,311	3/4	36,305	3/4	21,284	3/4	6,262	3/4		3/4		3/4		3/4	
1	81,043	1	66,021	1	50,998	1	35,992	1	20,971	1	5,949	1		1		1		1	
1/4	80,730	1/4	65,708	1/4	50,685	1/4	35,680	1/4	20,658	1/4	5,636	1/4		1/4		1/4		1/4	
1/2	80,417	1/2	65,395	1/2	50,372	1/2	35,367	1/2	20,345	1/2	5,324	1/2		1/2		1/2		1/2	
3/4	80,104	3/4	65,082	3/4	50,059	3/4	35,054	3/4	20,032	3/4	5,011	3/4		3/4		3/4		3/4	
2	79,791	2	64,769	2	49,746	2	34,741	2	19,720	2	4,698	2		2		2		2	
1/4	79,478	1/4	64,456	1/4	49,433	1/4	34,429	1/4	19,407	1/4	4,386	1/4		1/4		1/4		1/4	
1/2	79,165	1/2	64,143	1/2	49,120	1/2	34,116	1/2	19,094	1/2	4,074	1/2		1/2		1/2		1/2	
3/4	78,852	3/4	63,830	3/4	48,807	3/4	33,803	3/4	18,781	3/4	3,762	3/4		3/4		3/4		3/4	
3	78,540	3	63,517	3	48,494	3	33,490	3	18,468	3	3,450	3		3		3		3	
1/4	78,227	1/4	63,204	1/4	48,181	1/4	33,177	1/4	18,155	1/4	3,142	1/4		1/4		1/4		1/4	
1/2	77,914	1/2	62,891	1/2	47,869	1/2	32,864	1/2	17,842	1/2	2,845	1/2		1/2		1/2		1/2	
3/4	77,601	3/4	62,578	3/4	47,556	3/4	32,551	3/4	17,529	3/4	2,552	3/4		3/4		3/4		3/4	
4	77,288	4	62,265	4	47,243	4	32,238	4	17,216	4	2,260	4		4		4		4	
1/4	76,975	1/4	61,952	1/4	46,930	1/4	31,925	1/4	16,903	1/4	1,982	1/4		1/4		1/4		1/4	
1/2	76,662	1/2	61,639	1/2	46,617	1/2	31,612	1/2	16,590	1/2	1,732	1/2		1/2		1/2		1/2	
3/4	76,349	3/4	61,326	3/4	46,305	3/4	31,299	3/4	16,277	3/4	1,498	3/4		3/4		3/4		3/4	
5	76,036	5	61,013	5	45,992	5	30,986	5	15,964	5	1,263	5		5		5		5	
1/4	75,723	1/4	60,700	1/4	45,679	1/4	30,673	1/4	15,651	1/4	1,146	1/4		1/4		1/4		1/4	
1/2	75,410	1/2	60,387	1/2	45,367	1/2	30,360	1/2	15,338	1/2		1/2		1/2		1/2		1/2	
3/4	75,097	3/4	60,074	3/4	45,054	3/4	30,047	3/4	15,025	3/4		3/4		3/4		3/4		3/4	
6	74,784	6	59,761	6	44,741	6	29,734	6	14,712	6		6		6		6		6	
1/4	74,471	1/4	59,448	1/4	44,429	1/4	29,421	1/4	14,399	1/4		1/4		1/4		1/4		1/4	
1/2	74,158	1/2	59,135	1/2	44,116	1/2	29,108	1/2	14,086	1/2		1/2		1/2		1/2		1/2	
3/4	73,845	3/4	58,822	3/4	43,804	3/4	28,795	3/4	13,773	3/4		3/4		3/4		3/4		3/4	
7	73,532	7	58,509	7	43,491	7	28,482	7	13,460	7		7		7		7		7	
1/4	73,219	1/4	58,196	1/4	43,179	1/4	28,169	1/4	13,147	1/4		1/4		1/4		1/4		1/4	
1/2	72,906	1/2	57,883	1/2	42,866	1/2	27,857	1/2	12,834	1/2		1/2		1/2		1/2		1/2	
3/4	72,593	3/4	57,570	3/4	42,554	3/4	27,544	3/4	12,521	3/4		3/4		3/4		3/4		3/4	
8	72,280	8	57,258	8	42,242	8	27,231	8	12,208	8		8		8		8		8	
1/4	71,967	1/4	56,945	1/4	41,929	1/4	26,918	1/4	11,896	1/4		1/4		1/4		1/4		1/4	
1/2	71,654	1/2	56,632	1/2	41,617	1/2	26,605	1/2	11,583	1/2		1/2		1/2		1/2		1/2	
3/4	71,341	3/4	56,319	3/4	41,304	3/4	26,292	3/4	11,270	3/4		3/4		3/4		3/4		3/4	
9	71,028	9	56,006	9	40,992	9	25,979	9	10,957	9		9		9		9		9	
1/4	70,715	1/4	55,693	1/4	40,679	1/4	25,666	1/4	10,644	1/4		1/4		1/4		1/4		1/4	
1/2	70,402	1/2	55,380	1/2	40,367	1/2	25,353	1/2	10,331	1/2		1/2		1/2		1/2		1/2	
3/4	70,089	3/4	55,067	3/4	40,054	3/4	25,040	3/4	10,018	3/4		3/4		3/4		3/4		3/4	
10	69,776	10	54,754	10	39,742	10	24,727	10	9,705	10		10		10		10		10	
1/4	69,463	1/4	54,441	1/4	39,429	1/4	24,414	1/4	9,392	1/4		1/4		1/4		1/4		1/4	
1/2	69,150	1/2	54,128	1/2	39,117	1/2	24,101	1/2	9,079	1/2		1/2		1/2		1/2		1/2	
3/4	68,837	3/4	53,815	3/4	38,804	3/4	23,788	3/4	8,766	3/4		3/4		3/4		3/4		3/4	
11	68,524	11	53,502	11	38,492	11	23,475	11	8,453	11		11		11		11		11	
1/4	68,211	1/4	53,189	1/4	38,179	1/4	23,162	1/4	8,140	1/4		1/4		1/4		1/4		1/4	
1/2	67,899	1/2	52,876	1/2	37,867	1/2	22,849	1/2	7,827	1/2		1/2		1/2		1/2		1/2	
3/4	67,586	3/4	52,563	3/4	37,554	3/4	22,536	3/4	7,514	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019

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