



BARGE "HSM 3029"

ULLAGE TRIM TABLE "MMC" GAUGE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 238'-06"

November 25, 2019

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

<http://www.pmacorp.net>



BARGE "HSM 3029"

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"

November 25, 2019

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BARGE "HSM 3029"

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	199,618	0	184,634	0	169,634	0	154,607	0	139,580	0	124,552	0	109,525	0	94,492
1/4		1/4		1/4	199,306	1/4	184,322	1/4	169,321	1/4	154,294	1/4	139,267	1/4	124,239	1/4	109,212	1/4	94,179
1/2		1/2		1/2	198,994	1/2	184,010	1/2	169,008	1/2	153,981	1/2	138,954	1/2	123,926	1/2	108,899	1/2	93,866
3/4		3/4		3/4	198,681	3/4	183,698	3/4	168,695	3/4	153,668	3/4	138,641	3/4	123,613	3/4	108,586	3/4	93,552
1		1		1	198,369	1	183,386	1	168,382	1	153,355	1	138,328	1	123,300	1	108,273	1	93,239
1/4		1/4		1/4	198,057	1/4	183,074	1/4	168,069	1/4	153,042	1/4	138,014	1/4	122,987	1/4	107,960	1/4	92,926
1/2		1/2		1/2	197,745	1/2	182,761	1/2	167,756	1/2	152,729	1/2	137,701	1/2	122,674	1/2	107,647	1/2	92,613
3/4		3/4		3/4	197,433	3/4	182,449	3/4	167,443	3/4	152,416	3/4	137,388	3/4	122,361	3/4	107,333	3/4	92,300
2		2	211,053	2	197,121	2	182,137	2	167,130	2	152,103	2	137,075	2	122,048	2	107,020	2	91,986
1/4		1/4	210,873	1/4	196,808	1/4	181,825	1/4	166,817	1/4	151,789	1/4	136,762	1/4	121,735	1/4	106,707	1/4	91,673
1/2		1/2	210,694	1/2	196,496	1/2	181,513	1/2	166,504	1/2	151,476	1/2	136,449	1/2	121,422	1/2	106,394	1/2	91,360
3/4		3/4	210,514	3/4	196,184	3/4	181,201	3/4	166,191	3/4	151,163	3/4	136,136	3/4	121,109	3/4	106,081	3/4	91,047
3		3	210,334	3	195,872	3	180,889	3	165,878	3	150,850	3	135,823	3	120,796	3	105,767	3	90,734
1/4		1/4	210,102	1/4	195,560	1/4	180,576	1/4	165,565	1/4	150,537	1/4	135,510	1/4	120,483	1/4	105,454	1/4	90,420
1/2		1/2	209,871	1/2	195,248	1/2	180,264	1/2	165,251	1/2	150,224	1/2	135,197	1/2	120,169	1/2	105,141	1/2	90,107
3/4		3/4	209,639	3/4	194,936	3/4	179,952	3/4	164,938	3/4	149,911	3/4	134,884	3/4	119,856	3/4	104,828	3/4	89,794
4		4	209,407	4	194,623	4	179,640	4	164,625	4	149,598	4	134,571	4	119,543	4	104,515	4	89,481
1/4		1/4	209,127	1/4	194,311	1/4	179,328	1/4	164,312	1/4	149,285	1/4	134,258	1/4	119,230	1/4	104,201	1/4	89,168
1/2		1/2	208,846	1/2	193,999	1/2	179,016	1/2	163,999	1/2	148,972	1/2	133,945	1/2	118,917	1/2	103,888	1/2	88,854
3/4		3/4	208,566	3/4	193,687	3/4	178,703	3/4	163,686	3/4	148,659	3/4	133,631	3/4	118,604	3/4	103,575	3/4	88,541
5		5	208,286	5	193,375	5	178,391	5	163,373	5	148,346	5	133,318	5	118,291	5	103,262	5	88,228
1/4		1/4	207,980	1/4	193,063	1/4	178,079	1/4	163,060	1/4	148,033	1/4	133,005	1/4	117,978	1/4	102,949	1/4	87,915
1/2		1/2	207,674	1/2	192,750	1/2	177,767	1/2	162,747	1/2	147,720	1/2	132,692	1/2	117,665	1/2	102,635	1/2	87,602
3/4		3/4	207,368	3/4	192,438	3/4	177,455	3/4	162,434	3/4	147,407	3/4	132,379	3/4	117,352	3/4	102,322	3/4	87,288
6		6	207,062	6	192,126	6	177,143	6	162,121	6	147,093	6	132,066	6	117,039	6	102,009	6	86,975
1/4		1/4	206,752	1/4	191,814	1/4	176,830	1/4	161,808	1/4	146,780	1/4	131,753	1/4	116,726	1/4	101,696	1/4	86,662
1/2		1/2	206,443	1/2	191,502	1/2	176,518	1/2	161,495	1/2	146,467	1/2	131,440	1/2	116,413	1/2	101,383	1/2	86,349
3/4		3/4	206,133	3/4	191,190	3/4	176,206	3/4	161,182	3/4	146,154	3/4	131,127	3/4	116,100	3/4	101,069	3/4	86,036
7		7	205,823	7	190,878	7	175,894	7	160,869	7	145,841	7	130,814	7	115,787	7	100,756	7	85,722
1/4		1/4	205,513	1/4	190,565	1/4	175,581	1/4	160,555	1/4	145,528	1/4	130,501	1/4	115,473	1/4	100,443	1/4	85,409
1/2		1/2	205,203	1/2	190,253	1/2	175,269	1/2	160,242	1/2	145,215	1/2	130,188	1/2	115,160	1/2	100,130	1/2	85,096
3/4		3/4	204,893	3/4	189,941	3/4	174,956	3/4	159,929	3/4	144,902	3/4	129,875	3/4	114,847	3/4	99,817	3/4	84,783
8		8	204,583	8	189,629	8	174,644	8	159,616	8	144,589	8	129,562	8	114,534	8	99,503	8	84,470
1/4		1/4	204,273	1/4	189,317	1/4	174,330	1/4	159,303	1/4	144,276	1/4	129,249	1/4	114,221	1/4	99,190	1/4	84,156
1/2		1/2	203,963	1/2	189,005	1/2	174,017	1/2	158,990	1/2	143,963	1/2	128,935	1/2	113,908	1/2	98,877	1/2	83,843
3/4		3/4	203,653	3/4	188,692	3/4	173,704	3/4	158,677	3/4	143,650	3/4	128,622	3/4	113,595	3/4	98,564	3/4	83,530
9		9	203,343	9	188,380	9	173,391	9	158,364	9	143,337	9	128,309	9	113,282	9	98,251	9	83,217
1/4		1/4	203,033	1/4	188,068	1/4	173,078	1/4	158,051	1/4	143,024	1/4	127,996	1/4	112,969	1/4	97,937	1/4	82,904
1/2		1/2	202,722	1/2	187,756	1/2	172,765	1/2	157,738	1/2	142,710	1/2	127,683	1/2	112,656	1/2	97,624	1/2	82,590
3/4		3/4	202,412	3/4	187,444	3/4	172,452	3/4	157,425	3/4	142,397	3/4	127,370	3/4	112,343	3/4	97,311	3/4	82,277
10		10	202,102	10	187,132	10	172,139	10	157,112	10	142,084	10	127,057	10	112,030	10	96,998	10	81,964
1/4		1/4	201,792	1/4	186,819	1/4	171,826	1/4	156,799	1/4	141,771	1/4	126,744	1/4	111,717	1/4	96,685	1/4	81,651
1/2		1/2	201,482	1/2	186,507	1/2	171,513	1/2	156,486	1/2	141,458	1/2	126,431	1/2	111,404	1/2	96,371	1/2	81,337
3/4		3/4	201,172	3/4	186,195	3/4	171,200	3/4	156,172	3/4	141,145	3/4	126,118	3/4	111,090	3/4	96,058	3/4	81,024
11		11	200,862	11	185,883	11	170,887	11	155,859	11	140,832	11	125,805	11	110,777	11	95,745	11	80,711
1/4		1/4	200,551	1/4	185,571	1/4	170,574	1/4	155,546	1/4	140,519	1/4	125,492	1/4	110,464	1/4	95,432	1/4	80,398
1/2		1/2	200,240	1/2	185,259	1/2	170,261	1/2	155,233	1/2	140,206	1/2	125,179	1/2	110,151	1/2	95,119	1/2	80,085
3/4		3/4	199,929	3/4	184,947	3/4	169,948	3/4	154,920	3/4	139,893	3/4	124,866	3/4	109,838	3/4	94,805	3/4	79,771

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	79,458	0	64,425	0	49,492	0	34,462	0	19,429	0	5,247	0		0		0		0	
1/4	79,145	1/4	64,113	1/4	49,180	1/4	34,149	1/4	19,115	1/4	4,976	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,832	1/2	63,801	1/2	48,867	1/2	33,836	1/2	18,802	1/2	4,706	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,519	3/4	63,489	3/4	48,555	3/4	33,522	3/4	18,489	3/4	4,435	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	78,205	1	63,177	1	48,243	1	33,209	1	18,176	1	4,164	1	1	1	1	1	1	1	1
1/4	77,892	1/4	62,866	1/4	47,929	1/4	32,896	1/4	17,864	1/4	3,897	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,579	1/2	62,555	1/2	47,616	1/2	32,583	1/2	17,551	1/2	3,631	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,266	3/4	62,244	3/4	47,303	3/4	32,270	3/4	17,239	3/4	3,364	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	76,953	2	61,933	2	46,990	2	31,956	2	16,927	2	3,097	2	2	2	2	2	2	2	2
1/4	76,639	1/4	61,622	1/4	46,677	1/4	31,643	1/4	16,617	1/4	2,835	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,326	1/2	61,312	1/2	46,363	1/2	31,330	1/2	16,308	1/2	2,573	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,013	3/4	61,001	3/4	46,050	3/4	31,017	3/4	15,999	3/4	2,311	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	75,700	3	60,690	3	45,737	3	30,704	3	15,689	3	2,049	3	3	3	3	3	3	3	3
1/4	75,387	1/4	60,379	1/4	45,424	1/4	30,390	1/4	15,384	1/4	1,810	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,073	1/2	60,068	1/2	45,111	1/2	30,077	1/2	15,078	1/2	1,571	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,760	3/4	59,757	3/4	44,797	3/4	29,764	3/4	14,773	3/4	1,333	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	74,447	4	59,446	4	44,484	4	29,451	4	14,468	4	1,094	4	4	4	4	4	4	4	4
1/4	74,134	1/4	59,136	1/4	44,171	1/4	29,138	1/4	14,166	1/4	917	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,821	1/2	58,825	1/2	43,858	1/2	28,824	1/2	13,864	1/2	740	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,507	3/4	58,514	3/4	43,545	3/4	28,511	3/4	13,563	3/4	563	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	73,194	5	58,203	5	43,231	5	28,198	5	13,261	5	386	5	5	5	5	5	5	5	5
1/4	72,881	1/4	57,892	1/4	42,918	1/4	27,885	1/4	12,963	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,568	1/2	57,581	1/2	42,605	1/2	27,572	1/2	12,665	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,255	3/4	57,271	3/4	42,292	3/4	27,258	3/4	12,368	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	71,941	6	56,960	6	41,979	6	26,945	6	12,070	6	6	6	6	6	6	6	6	6	6
1/4	71,628	1/4	56,649	1/4	41,665	1/4	26,632	1/4	11,776	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,315	1/2	56,338	1/2	41,352	1/2	26,319	1/2	11,482	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,002	3/4	56,027	3/4	41,039	3/4	26,006	3/4	11,188	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	70,689	7	55,716	7	40,726	7	25,692	7	10,894	7	7	7	7	7	7	7	7	7	7
1/4	70,375	1/4	55,406	1/4	40,413	1/4	25,379	1/4	10,604	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	70,062	1/2	55,095	1/2	40,099	1/2	25,066	1/2	10,314	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69,749	3/4	54,784	3/4	39,786	3/4	24,753	3/4	10,024	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	69,436	8	54,473	8	39,473	8	24,440	8	9,734	8	8	8	8	8	8	8	8	8	8
1/4	69,123	1/4	54,162	1/4	39,160	1/4	24,126	1/4	9,448	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,809	1/2	53,851	1/2	38,847	1/2	23,813	1/2	9,162	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,496	3/4	53,541	3/4	38,533	3/4	23,500	3/4	8,875	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	68,183	9	53,230	9	38,220	9	23,187	9	8,589	9	9	9	9	9	9	9	9	9	9
1/4	67,870	1/4	52,919	1/4	37,907	1/4	22,874	1/4	8,307	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,556	1/2	52,608	1/2	37,594	1/2	22,560	1/2	8,024	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,243	3/4	52,297	3/4	37,281	3/4	22,247	3/4	7,742	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	66,930	10	51,986	10	36,967	10	21,934	10	7,460	10	10	10	10	10	10	10	10	10	10
1/4	66,617	1/4	51,674	1/4	36,654	1/4	21,621	1/4	7,181	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,304	1/2	51,362	1/2	36,341	1/2	21,308	1/2	6,903	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,990	3/4	51,051	3/4	36,028	3/4	20,994	3/4	6,624	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	65,677	11	50,739	11	35,715	11	20,681	11	6,346	11	11	11	11	11	11	11	11	11	11
1/4	65,364	1/4	50,428	1/4	35,401	1/4	20,368	1/4	6,071	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,051	1/2	50,116	1/2	35,088	1/2	20,055	1/2	5,796	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	64,738	3/4	49,804	3/4	34,775	3/4	19,742	3/4	5,522	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/25/2019 CL
CALCULATED: 11/25/2019 CL
PRINTED: 11/25/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2019

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



BARGE "HSM 3029"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	199,975	0	184,996	0	170,001	0	154,977	0	139,953	0	124,930	0	109,907	0	94,878
1/4		1/4		1/4	199,664	1/4	184,684	1/4	169,688	1/4	154,664	1/4	139,640	1/4	124,617	1/4	109,594	1/4	94,565
1/2		1/2		1/2	199,352	1/2	184,372	1/2	169,375	1/2	154,351	1/2	139,327	1/2	124,304	1/2	109,281	1/2	94,251
3/4		3/4		3/4	199,040	3/4	184,060	3/4	169,062	3/4	154,038	3/4	139,014	3/4	123,991	3/4	108,968	3/4	93,938
1		1		1	198,728	1	183,748	1	168,749	1	153,725	1	138,701	1	123,678	1	108,655	1	93,625
1/4		1/4		1/4	198,415	1/4	183,436	1/4	168,436	1/4	153,412	1/4	138,389	1/4	123,365	1/4	108,342	1/4	93,312
1/2		1/2		1/2	198,103	1/2	183,124	1/2	168,123	1/2	153,099	1/2	138,076	1/2	123,052	1/2	108,029	1/2	92,999
3/4		3/4		3/4	197,791	3/4	182,811	3/4	167,810	3/4	152,786	3/4	137,763	3/4	122,739	3/4	107,716	3/4	92,686
2		2		2	197,479	2	182,499	2	167,497	2	152,473	2	137,450	2	122,426	2	107,403	2	92,373
1/4		1/4		1/4	211,096	1/4	197,167	1/4	182,187	1/4	167,184	1/4	152,160	1/4	137,137	1/4	122,113	1/4	107,089
1/2		1/2		1/2	210,916	1/2	196,855	1/2	181,875	1/2	166,871	1/2	151,847	1/2	136,824	1/2	121,800	1/2	106,776
3/4		3/4		3/4	210,737	3/4	196,543	3/4	181,563	3/4	166,558	3/4	151,534	3/4	136,511	3/4	121,487	3/4	106,463
3		3		3	210,557	3	196,231	3	181,251	3	166,245	3	151,221	3	136,198	3	121,174	3	106,150
1/4		1/4		1/4	210,378	1/4	195,919	1/4	180,939	1/4	165,932	1/4	150,908	1/4	135,885	1/4	120,861	1/4	105,837
1/2		1/2		1/2	210,146	1/2	195,607	1/2	180,627	1/2	165,619	1/2	150,595	1/2	135,572	1/2	120,548	1/2	105,524
3/4		3/4		3/4	209,914	3/4	195,295	3/4	180,315	3/4	165,306	3/4	150,282	3/4	135,259	3/4	120,235	3/4	105,211
4		4		4	209,682	4	194,983	4	180,003	4	164,993	4	149,969	4	134,946	4	119,922	4	104,898
1/4		1/4		1/4	209,450	1/4	194,671	1/4	179,691	1/4	164,680	1/4	149,656	1/4	134,633	1/4	119,609	1/4	104,585
1/2		1/2		1/2	209,170	1/2	194,358	1/2	179,379	1/2	164,367	1/2	149,343	1/2	134,320	1/2	119,296	1/2	104,271
3/4		3/4		3/4	208,890	3/4	194,046	3/4	179,067	3/4	164,054	3/4	149,030	3/4	134,007	3/4	118,983	3/4	103,958
5		5		5	208,610	5	193,734	5	178,754	5	163,741	5	148,717	5	133,694	5	118,670	5	103,645
1/4		1/4		1/4	208,330	1/4	193,422	1/4	178,442	1/4	163,428	1/4	148,404	1/4	133,381	1/4	118,357	1/4	103,332
1/2		1/2		1/2	208,024	1/2	193,110	1/2	178,130	1/2	163,115	1/2	148,091	1/2	133,068	1/2	118,044	1/2	103,019
3/4		3/4		3/4	207,718	3/4	192,798	3/4	177,818	3/4	162,802	3/4	147,778	3/4	132,755	3/4	117,731	3/4	102,706
6		6		6	207,412	6	192,486	6	177,506	6	162,489	6	147,465	6	132,442	6	117,418	6	102,393
1/4		1/4		1/4	207,106	1/4	192,174	1/4	177,194	1/4	162,176	1/4	147,152	1/4	132,129	1/4	117,105	1/4	102,080
1/2		1/2		1/2	206,797	1/2	191,862	1/2	176,882	1/2	161,863	1/2	146,839	1/2	131,816	1/2	116,792	1/2	101,766
3/4		3/4		3/4	206,487	3/4	191,550	3/4	176,570	3/4	161,550	3/4	146,526	3/4	131,503	3/4	116,479	3/4	101,453
7		7		7	206,177	7	191,238	7	176,258	7	161,237	7	146,213	7	131,190	7	116,166	7	101,140
1/4		1/4		1/4	205,868	1/4	190,926	1/4	175,946	1/4	160,924	1/4	145,900	1/4	130,877	1/4	115,853	1/4	100,827
1/2		1/2		1/2	205,558	1/2	190,613	1/2	175,633	1/2	160,611	1/2	145,587	1/2	130,564	1/2	115,540	1/2	100,514
3/4		3/4		3/4	205,248	3/4	190,301	3/4	175,321	3/4	160,298	3/4	145,274	3/4	130,251	3/4	115,227	3/4	100,201
8		8		8	204,938	8	189,989	8	175,008	8	159,985	8	144,961	8	129,938	8	114,914	8	99,888
1/4		1/4		1/4	204,628	1/4	189,677	1/4	174,696	1/4	159,672	1/4	144,648	1/4	129,625	1/4	114,601	1/4	99,575
1/2		1/2		1/2	204,318	1/2	189,365	1/2	174,383	1/2	159,359	1/2	144,335	1/2	129,312	1/2	114,288	1/2	99,261
3/4		3/4		3/4	204,008	3/4	189,053	3/4	174,070	3/4	159,046	3/4	144,022	3/4	128,999	3/4	113,975	3/4	98,948
9		9		9	203,698	9	188,741	9	173,757	9	158,733	9	143,709	9	128,686	9	113,662	9	98,635
1/4		1/4		1/4	203,388	1/4	188,429	1/4	173,444	1/4	158,420	1/4	143,396	1/4	128,373	1/4	113,350	1/4	98,322
1/2		1/2		1/2	203,078	1/2	188,117	1/2	173,131	1/2	158,107	1/2	143,083	1/2	128,060	1/2	113,037	1/2	98,009
3/4		3/4		3/4	202,768	3/4	187,805	3/4	172,818	3/4	157,794	3/4	142,770	3/4	127,747	3/4	112,724	3/4	97,696
10		10		10	202,458	10	187,493	10	172,505	10	157,481	10	142,457	10	127,434	10	112,411	10	97,383
1/4		1/4		1/4	202,148	1/4	187,181	1/4	172,192	1/4	157,168	1/4	142,144	1/4	127,121	1/4	112,098	1/4	97,070
1/2		1/2		1/2	201,838	1/2	186,869	1/2	171,879	1/2	156,855	1/2	141,831	1/2	126,808	1/2	111,785	1/2	96,756
3/4		3/4		3/4	201,528	3/4	186,556	3/4	171,566	3/4	156,542	3/4	141,518	3/4	126,495	3/4	111,472	3/4	96,443
11		11		11	201,218	11	186,244	11	171,253	11	156,229	11	141,205	11	126,182	11	111,159	11	96,130
1/4		1/4		1/4	200,908	1/4	185,932	1/4	170,940	1/4	155,916	1/4	140,892	1/4	125,869	1/4	110,846	1/4	95,817
1/2		1/2		1/2	200,597	1/2	185,620	1/2	170,627	1/2	155,603	1/2	140,579	1/2	125,556	1/2	110,533	1/2	95,504
3/4		3/4		3/4	200,286	3/4	185,308	3/4	170,314	3/4	155,290	3/4	140,266	3/4	125,243	3/4	110,220	3/4	95,191

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 3029"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	79,848	0	64,818	0	49,795	0	34,766	0	19,737	0	5,521	0		0		0		0	
1/4	79,535	1/4	64,505	1/4	49,482	1/4	34,453	1/4	19,424	1/4	5,246	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	79,222	1/2	64,192	1/2	49,169	1/2	34,140	1/2	19,110	1/2	4,975	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,908	3/4	63,879	3/4	48,856	3/4	33,827	3/4	18,797	3/4	4,705	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	78,595	1	63,565	1	48,543	1	33,514	1	18,484	1	4,434	1	1	1	1	1	1	1	1
1/4	78,282	1/4	63,252	1/4	48,230	1/4	33,200	1/4	18,171	1/4	4,163	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,969	1/2	62,939	1/2	47,917	1/2	32,887	1/2	17,859	1/2	3,897	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,656	3/4	62,626	3/4	47,604	3/4	32,574	3/4	17,547	3/4	3,630	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	77,343	2	62,313	2	47,291	2	32,261	2	17,235	2	3,363	2	2	2	2	2	2	2	2
1/4	77,030	1/4	62,000	1/4	46,977	1/4	31,948	1/4	16,922	1/4	3,097	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,717	1/2	61,687	1/2	46,664	1/2	31,635	1/2	16,613	1/2	2,835	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,403	3/4	61,374	3/4	46,351	3/4	31,322	3/4	16,304	3/4	2,573	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	76,090	3	61,061	3	46,038	3	31,009	3	15,995	3	2,311	3	3	3	3	3	3	3	3
1/4	75,777	1/4	60,748	1/4	45,725	1/4	30,696	1/4	15,685	1/4	2,049	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,464	1/2	60,435	1/2	45,412	1/2	30,382	1/2	15,380	1/2	1,810	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,151	3/4	60,122	3/4	45,099	3/4	30,069	3/4	15,075	3/4	1,571	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	74,838	4	59,810	4	44,786	4	29,756	4	14,769	4	1,332	4	4	4	4	4	4	4	4
1/4	74,525	1/4	59,497	1/4	44,473	1/4	29,443	1/4	14,464	1/4	1,093	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,212	1/2	59,184	1/2	44,159	1/2	29,130	1/2	14,162	1/2	917	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,899	3/4	58,871	3/4	43,846	3/4	28,817	3/4	13,861	3/4	740	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	73,585	5	58,558	5	43,533	5	28,504	5	13,559	5	563	5	5	5	5	5	5	5	5
1/4	73,272	1/4	58,245	1/4	43,220	1/4	28,191	1/4	13,258	1/4	386	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,959	1/2	57,932	1/2	42,907	1/2	27,878	1/2	12,960	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,646	3/4	57,619	3/4	42,594	3/4	27,564	3/4	12,662	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	72,333	6	57,306	6	42,281	6	27,251	6	12,365	6	6	6	6	6	6	6	6	6	6
1/4	72,020	1/4	56,994	1/4	41,968	1/4	26,938	1/4	12,067	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,707	1/2	56,681	1/2	41,655	1/2	26,625	1/2	11,773	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,394	3/4	56,368	3/4	41,341	3/4	26,312	3/4	11,479	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	71,080	7	56,055	7	41,028	7	25,999	7	11,185	7	7	7	7	7	7	7	7	7	7
1/4	70,767	1/4	55,742	1/4	40,715	1/4	25,686	1/4	10,891	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	70,454	1/2	55,429	1/2	40,402	1/2	25,373	1/2	10,601	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70,141	3/4	55,116	3/4	40,089	3/4	25,060	3/4	10,312	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	69,828	8	54,803	8	39,776	8	24,746	8	10,022	8	8	8	8	8	8	8	8	8	8
1/4	69,515	1/4	54,490	1/4	39,463	1/4	24,433	1/4	9,732	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	69,202	1/2	54,178	1/2	39,150	1/2	24,120	1/2	9,445	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,889	3/4	53,865	3/4	38,837	3/4	23,807	3/4	9,159	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	68,575	9	53,552	9	38,523	9	23,494	9	8,873	9	9	9	9	9	9	9	9	9	9
1/4	68,262	1/4	53,239	1/4	38,210	1/4	23,181	1/4	8,587	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,949	1/2	52,926	1/2	37,897	1/2	22,868	1/2	8,305	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,636	3/4	52,613	3/4	37,584	3/4	22,555	3/4	8,022	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	67,323	10	52,300	10	37,271	10	22,242	10	7,740	10	10	10	10	10	10	10	10	10	10
1/4	67,010	1/4	51,987	1/4	36,958	1/4	21,928	1/4	7,458	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,697	1/2	51,674	1/2	36,645	1/2	21,615	1/2	7,179	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,384	3/4	51,361	3/4	36,332	3/4	21,302	3/4	6,901	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	66,070	11	51,048	11	36,019	11	20,989	11	6,623	11	11	11	11	11	11	11	11	11	11
1/4	65,757	1/4	50,735	1/4	35,705	1/4	20,676	1/4	6,344	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,444	1/2	50,422	1/2	35,392	1/2	20,363	1/2	6,070	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,131	3/4	50,109	3/4	35,079	3/4	20,050	3/4	5,795	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/25/2019 CL
CALCULATED: 11/25/2019 CL
PRINTED: 11/25/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2019

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





BARGE "HSM 3029"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	81,044	0	65,983	0	51,462	0	37,002	0	21,967	0	6,906	0		0		0		0	
1/4	80,730	1/4	65,675	1/4	51,161	1/4	36,694	1/4	21,653	1/4	6,592	1/4		1/4		1/4		1/4	
1/2	80,416	1/2	65,367	1/2	50,859	1/2	36,386	1/2	21,339	1/2	6,279	1/2		1/2		1/2		1/2	
3/4	80,102	3/4	65,059	3/4	50,558	3/4	36,078	3/4	21,025	3/4	5,965	3/4		3/4		3/4		3/4	
1	79,789	1	64,751	1	50,256	1	35,770	1	20,712	1	5,651	1		1		1		1	
1/4	79,475	1/4	64,449	1/4	49,955	1/4	35,456	1/4	20,398	1/4	5,338	1/4		1/4		1/4		1/4	
1/2	79,161	1/2	64,147	1/2	49,653	1/2	35,143	1/2	20,084	1/2	5,024	1/2		1/2		1/2		1/2	
3/4	78,847	3/4	63,845	3/4	49,352	3/4	34,829	3/4	19,770	3/4	4,711	3/4		3/4		3/4		3/4	
2	78,534	2	63,543	2	49,051	2	34,515	2	19,457	2	4,397	2		2		2		2	
1/4	78,220	1/4	63,241	1/4	48,749	1/4	34,201	1/4	19,143	1/4	4,084	1/4		1/4		1/4		1/4	
1/2	77,906	1/2	62,939	1/2	48,448	1/2	33,888	1/2	18,829	1/2	3,771	1/2		1/2		1/2		1/2	
3/4	77,592	3/4	62,637	3/4	48,147	3/4	33,574	3/4	18,515	3/4	3,459	3/4		3/4		3/4		3/4	
3	77,278	3	62,335	3	47,846	3	33,260	3	18,202	3	3,146	3		3		3		3	
1/4	76,965	1/4	62,033	1/4	47,545	1/4	32,946	1/4	17,888	1/4	2,853	1/4		1/4		1/4		1/4	
1/2	76,651	1/2	61,731	1/2	47,244	1/2	32,632	1/2	17,574	1/2	2,559	1/2		1/2		1/2		1/2	
3/4	76,337	3/4	61,429	3/4	46,943	3/4	32,319	3/4	17,260	3/4	2,266	3/4		3/4		3/4		3/4	
4	76,023	4	61,127	4	46,642	4	32,005	4	16,946	4	1,972	4		4		4		4	
1/4	75,710	1/4	60,825	1/4	46,341	1/4	31,691	1/4	16,633	1/4	1,737	1/4		1/4		1/4		1/4	
1/2	75,396	1/2	60,523	1/2	46,039	1/2	31,377	1/2	16,319	1/2	1,502	1/2		1/2		1/2		1/2	
3/4	75,082	3/4	60,221	3/4	45,738	3/4	31,064	3/4	16,005	3/4	1,267	3/4		3/4		3/4		3/4	
5	74,768	5	59,919	5	45,437	5	30,750	5	15,691	5	1,031	5		5		5		5	
1/4	74,454	1/4	59,617	1/4	45,136	1/4	30,436	1/4	15,378	1/4		1/4		1/4		1/4		1/4	
1/2	74,141	1/2	59,315	1/2	44,835	1/2	30,122	1/2	15,064	1/2		1/2		1/2		1/2		1/2	
3/4	73,827	3/4	59,013	3/4	44,534	3/4	29,809	3/4	14,750	3/4		3/4		3/4		3/4		3/4	
6	73,513	6	58,711	6	44,233	6	29,495	6	14,436	6		6		6		6		6	
1/4	73,199	1/4	58,409	1/4	43,932	1/4	29,182	1/4	14,123	1/4		1/4		1/4		1/4		1/4	
1/2	72,886	1/2	58,107	1/2	43,631	1/2	28,868	1/2	13,809	1/2		1/2		1/2		1/2		1/2	
3/4	72,572	3/4	57,805	3/4	43,330	3/4	28,554	3/4	13,495	3/4		3/4		3/4		3/4		3/4	
7	72,258	7	57,503	7	43,029	7	28,241	7	13,181	7		7		7		7		7	
1/4	71,944	1/4	57,201	1/4	42,728	1/4	27,927	1/4	12,868	1/4		1/4		1/4		1/4		1/4	
1/2	71,631	1/2	56,899	1/2	42,427	1/2	27,614	1/2	12,554	1/2		1/2		1/2		1/2		1/2	
3/4	71,317	3/4	56,597	3/4	42,125	3/4	27,300	3/4	12,240	3/4		3/4		3/4		3/4		3/4	
8	71,003	8	56,295	8	41,824	8	26,987	8	11,926	8		8		8		8		8	
1/4	70,689	1/4	55,993	1/4	41,523	1/4	26,673	1/4	11,612	1/4		1/4		1/4		1/4		1/4	
1/2	70,375	1/2	55,691	1/2	41,222	1/2	26,359	1/2	11,299	1/2		1/2		1/2		1/2		1/2	
3/4	70,062	3/4	55,389	3/4	40,921	3/4	26,046	3/4	10,985	3/4		3/4		3/4		3/4		3/4	
9	69,748	9	55,087	9	40,620	9	25,732	9	10,671	9		9		9		9		9	
1/4	69,434	1/4	54,785	1/4	40,319	1/4	25,418	1/4	10,357	1/4		1/4		1/4		1/4		1/4	
1/2	69,120	1/2	54,483	1/2	40,018	1/2	25,104	1/2	10,044	1/2		1/2		1/2		1/2		1/2	
3/4	68,807	3/4	54,181	3/4	39,717	3/4	24,791	3/4	9,730	3/4		3/4		3/4		3/4		3/4	
10	68,493	10	53,879	10	39,416	10	24,477	10	9,416	10		10		10		10		10	
1/4	68,179	1/4	53,577	1/4	39,114	1/4	24,163	1/4	9,102	1/4		1/4		1/4		1/4		1/4	
1/2	67,865	1/2	53,275	1/2	38,813	1/2	23,849	1/2	8,789	1/2		1/2		1/2		1/2		1/2	
3/4	67,551	3/4	52,973	3/4	38,511	3/4	23,536	3/4	8,475	3/4		3/4		3/4		3/4		3/4	
11	67,238	11	52,671	11	38,210	11	23,222	11	8,161	11		11		11		11		11	
1/4	66,924	1/4	52,369	1/4	37,908	1/4	22,908	1/4	7,847	1/4		1/4		1/4		1/4		1/4	
1/2	66,610	1/2	52,067	1/2	37,606	1/2	22,594	1/2	7,534	1/2		1/2		1/2		1/2		1/2	
3/4	66,296	3/4	51,765	3/4	37,304	3/4	22,281	3/4	7,220	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 11/2019

PRECISION MEASUREMENT
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Pearland, Texas 77588
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BARGE "HSM 3029"

2 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-04 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	202,320	0	187,310	0	172,280	0	157,219	0	142,158	0	127,098	0	112,037	0	96,969
1/4		1/4		1/4	202,008	1/4	186,998	1/4	171,967	1/4	156,906	1/4	141,845	1/4	126,784	1/4	111,723	1/4	96,655
1/2		1/2		1/2	201,695	1/2	186,685	1/2	171,653	1/2	156,592	1/2	141,531	1/2	126,470	1/2	111,409	1/2	96,341
3/4		3/4		3/4	201,382	3/4	186,372	3/4	171,339	3/4	156,278	3/4	141,217	3/4	126,156	3/4	111,095	3/4	96,027
1		1		1	201,069	1	186,060	1	171,025	1	155,964	1	140,903	1	125,842	1	110,781	1	95,713
1/4		1/4		1/4	200,757	1/4	185,747	1/4	170,712	1/4	155,651	1/4	140,590	1/4	125,529	1/4	110,468	1/4	95,399
1/2		1/2		1/2	200,444	1/2	185,434	1/2	170,398	1/2	155,337	1/2	140,276	1/2	125,215	1/2	110,154	1/2	95,085
3/4		3/4		3/4	214,052	3/4	200,131	3/4	185,121	3/4	170,084	3/4	155,023	3/4	139,962	3/4	124,901	3/4	109,840
2		2		2	213,873	2	199,819	2	184,809	2	169,770	2	154,709	2	139,648	2	124,587	2	109,526
1/4		1/4		1/4	213,694	1/4	199,506	1/4	184,496	1/4	169,456	1/4	154,395	1/4	139,335	1/4	124,274	1/4	109,212
1/2		1/2		1/2	213,515	1/2	199,193	1/2	184,183	1/2	169,143	1/2	154,082	1/2	139,021	1/2	123,960	1/2	108,898
3/4		3/4		3/4	213,336	3/4	198,880	3/4	183,871	3/4	168,829	3/4	153,768	3/4	138,707	3/4	123,646	3/4	108,584
3		3		3	213,105	3	198,568	3	183,558	3	168,515	3	153,454	3	138,393	3	123,332	3	108,270
1/4		1/4		1/4	212,874	1/4	198,255	1/4	183,245	1/4	168,201	1/4	153,140	1/4	138,079	1/4	123,019	1/4	107,956
1/2		1/2		1/2	212,642	1/2	197,942	1/2	182,933	1/2	167,888	1/2	152,827	1/2	137,766	1/2	122,705	1/2	107,642
3/4		3/4		3/4	212,411	3/4	197,630	3/4	182,620	3/4	167,574	3/4	152,513	3/4	137,452	3/4	122,391	3/4	107,329
4		4		4	212,131	4	197,317	4	182,307	4	167,260	4	152,199	4	137,138	4	122,077	4	107,015
1/4		1/4		1/4	211,851	1/4	197,004	1/4	181,994	1/4	166,946	1/4	151,885	1/4	136,824	1/4	121,763	1/4	106,701
1/2		1/2		1/2	211,572	1/2	196,692	1/2	181,682	1/2	166,633	1/2	151,572	1/2	136,511	1/2	121,450	1/2	106,387
3/4		3/4		3/4	211,292	3/4	196,379	3/4	181,369	3/4	166,319	3/4	151,258	3/4	136,197	3/4	121,136	3/4	106,073
5		5		5	210,986	5	196,066	5	181,056	5	166,005	5	150,944	5	135,883	5	120,822	5	105,759
1/4		1/4		1/4	210,681	1/4	195,753	1/4	180,744	1/4	165,691	1/4	150,630	1/4	135,569	1/4	120,508	1/4	105,445
1/2		1/2		1/2	210,375	1/2	195,441	1/2	180,431	1/2	165,377	1/2	150,316	1/2	135,256	1/2	120,195	1/2	105,131
3/4		3/4		3/4	210,070	3/4	195,128	3/4	180,118	3/4	165,064	3/4	150,003	3/4	134,942	3/4	119,881	3/4	104,817
6		6		6	209,760	6	194,815	6	179,805	6	164,750	6	149,689	6	134,628	6	119,567	6	104,503
1/4		1/4		1/4	209,451	1/4	194,503	1/4	179,493	1/4	164,436	1/4	149,375	1/4	134,314	1/4	119,253	1/4	104,189
1/2		1/2		1/2	209,142	1/2	194,190	1/2	179,180	1/2	164,122	1/2	149,061	1/2	134,000	1/2	118,940	1/2	103,875
3/4		3/4		3/4	208,833	3/4	193,877	3/4	178,867	3/4	163,809	3/4	148,748	3/4	133,687	3/4	118,626	3/4	103,561
7		7		7	208,523	7	193,565	7	178,554	7	163,495	7	148,434	7	133,373	7	118,312	7	103,247
1/4		1/4		1/4	208,213	1/4	193,252	1/4	178,241	1/4	163,181	1/4	148,120	1/4	133,059	1/4	117,998	1/4	102,934
1/2		1/2		1/2	207,904	1/2	192,939	1/2	177,928	1/2	162,867	1/2	147,806	1/2	132,745	1/2	117,684	1/2	102,620
3/4		3/4		3/4	207,594	3/4	192,626	3/4	177,614	3/4	162,554	3/4	147,493	3/4	132,432	3/4	117,371	3/4	102,306
8		8		8	207,284	8	192,314	8	177,301	8	162,240	8	147,179	8	132,118	8	117,057	8	101,992
1/4		1/4		1/4	206,974	1/4	192,001	1/4	176,987	1/4	161,926	1/4	146,865	1/4	131,804	1/4	116,743	1/4	101,678
1/2		1/2		1/2	206,665	1/2	191,688	1/2	176,673	1/2	161,612	1/2	146,551	1/2	131,490	1/2	116,429	1/2	101,364
3/4		3/4		3/4	206,355	3/4	191,376	3/4	176,359	3/4	161,298	3/4	146,237	3/4	131,177	3/4	116,116	3/4	101,050
9		9		9	206,045	9	191,063	9	176,046	9	160,985	9	145,924	9	130,863	9	115,802	9	100,736
1/4		1/4		1/4	205,735	1/4	190,750	1/4	175,732	1/4	160,671	1/4	145,610	1/4	130,549	1/4	115,488	1/4	100,422
1/2		1/2		1/2	205,426	1/2	190,437	1/2	175,418	1/2	160,357	1/2	145,296	1/2	130,235	1/2	115,174	1/2	100,108
3/4		3/4		3/4	205,116	3/4	190,125	3/4	175,104	3/4	160,043	3/4	144,982	3/4	129,921	3/4	114,861	3/4	99,794
10		10		10	204,806	10	189,812	10	174,791	10	159,730	10	144,669	10	129,608	10	114,547	10	99,480
1/4		1/4		1/4	204,497	1/4	189,499	1/4	174,477	1/4	159,416	1/4	144,355	1/4	129,294	1/4	114,233	1/4	99,166
1/2		1/2		1/2	204,187	1/2	189,187	1/2	174,163	1/2	159,102	1/2	144,041	1/2	128,980	1/2	113,919	1/2	98,852
3/4		3/4		3/4	203,878	3/4	188,874	3/4	173,849	3/4	158,788	3/4	143,727	3/4	128,666	3/4	113,605	3/4	98,539
11		11		11	203,566	11	188,561	11	173,535	11	158,474	11	143,414	11	128,353	11	113,292	11	98,225
1/4		1/4		1/4	203,255	1/4	188,249	1/4	173,222	1/4	158,161	1/4	143,100	1/4	128,039	1/4	112,978	1/4	97,911
1/2		1/2		1/2	202,944	1/2	187,936	1/2	172,908	1/2	157,847	1/2	142,786	1/2	127,725	1/2	112,664	1/2	97,597
3/4		3/4		3/4	202,633	3/4	187,623	3/4	172,594	3/4	157,533	3/4	142,472	3/4	127,411	3/4	112,350	3/4	97,283

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
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BARGE "HSM 3029"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-04 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	81,900	0	66,832	0	51,764	0	36,730	0	21,664	0	6,596	0		0		0		0	
1/4	81,587	1/4	66,518	1/4	51,450	1/4	36,416	1/4	21,350	1/4	6,282	1/4		1/4		1/4		1/4	
1/2	81,273	1/2	66,204	1/2	51,137	1/2	36,103	1/2	21,036	1/2	5,968	1/2		1/2		1/2		1/2	
3/4	80,959	3/4	65,890	3/4	50,823	3/4	35,789	3/4	20,722	3/4	5,654	3/4		3/4		3/4		3/4	
1	80,645	1	65,576	1	50,510	1	35,475	1	20,409	1	5,340	1		1		1		1	
1/4	80,331	1/4	65,262	1/4	50,197	1/4	35,161	1/4	20,095	1/4	5,027	1/4		1/4		1/4		1/4	
1/2	80,017	1/2	64,948	1/2	49,883	1/2	34,847	1/2	19,781	1/2	4,713	1/2		1/2		1/2		1/2	
3/4	79,703	3/4	64,634	3/4	49,570	3/4	34,533	3/4	19,467	3/4	4,399	3/4		3/4		3/4		3/4	
2	79,389	2	64,321	2	49,257	2	34,219	2	19,153	2	4,086	2		2		2		2	
1/4	79,075	1/4	64,007	1/4	48,944	1/4	33,905	1/4	18,839	1/4	3,774	1/4		1/4		1/4		1/4	
1/2	78,761	1/2	63,693	1/2	48,631	1/2	33,591	1/2	18,525	1/2	3,461	1/2		1/2		1/2		1/2	
3/4	78,447	3/4	63,379	3/4	48,318	3/4	33,277	3/4	18,211	3/4	3,148	3/4		3/4		3/4		3/4	
3	78,133	3	63,065	3	48,005	3	32,963	3	17,897	3	2,854	3		3		3		3	
1/4	77,819	1/4	62,751	1/4	47,692	1/4	32,649	1/4	17,583	1/4	2,561	1/4		1/4		1/4		1/4	
1/2	77,505	1/2	62,437	1/2	47,379	1/2	32,335	1/2	17,269	1/2	2,267	1/2		1/2		1/2		1/2	
3/4	77,192	3/4	62,123	3/4	47,066	3/4	32,021	3/4	16,955	3/4	1,974	3/4		3/4		3/4		3/4	
4	76,878	4	61,809	4	46,753	4	31,708	4	16,641	4	1,738	4		4		4		4	
1/4	76,564	1/4	61,495	1/4	46,440	1/4	31,394	1/4	16,327	1/4	1,503	1/4		1/4		1/4		1/4	
1/2	76,250	1/2	61,181	1/2	46,127	1/2	31,080	1/2	16,014	1/2	1,267	1/2		1/2		1/2		1/2	
3/4	75,936	3/4	60,867	3/4	45,814	3/4	30,766	3/4	15,700	3/4	1,032	3/4		3/4		3/4		3/4	
5	75,622	5	60,553	5	45,501	5	30,452	5	15,386	5		5		5		5		5	
1/4	75,308	1/4	60,239	1/4	45,188	1/4	30,138	1/4	15,072	1/4		1/4		1/4		1/4		1/4	
1/2	74,994	1/2	59,926	1/2	44,875	1/2	29,824	1/2	14,758	1/2		1/2		1/2		1/2		1/2	
3/4	74,680	3/4	59,612	3/4	44,562	3/4	29,510	3/4	14,444	3/4		3/4		3/4		3/4		3/4	
6	74,366	6	59,298	6	44,249	6	29,197	6	14,130	6		6		6		6		6	
1/4	74,052	1/4	58,984	1/4	43,936	1/4	28,883	1/4	13,816	1/4		1/4		1/4		1/4		1/4	
1/2	73,738	1/2	58,670	1/2	43,623	1/2	28,569	1/2	13,502	1/2		1/2		1/2		1/2		1/2	
3/4	73,424	3/4	58,356	3/4	43,310	3/4	28,256	3/4	13,188	3/4		3/4		3/4		3/4		3/4	
7	73,110	7	58,042	7	42,997	7	27,942	7	12,874	7		7		7		7		7	
1/4	72,797	1/4	57,728	1/4	42,684	1/4	27,628	1/4	12,560	1/4		1/4		1/4		1/4		1/4	
1/2	72,483	1/2	57,414	1/2	42,371	1/2	27,314	1/2	12,246	1/2		1/2		1/2		1/2		1/2	
3/4	72,169	3/4	57,100	3/4	42,058	3/4	27,001	3/4	11,933	3/4		3/4		3/4		3/4		3/4	
8	71,855	8	56,786	8	41,745	8	26,687	8	11,619	8		8		8		8		8	
1/4	71,541	1/4	56,472	1/4	41,432	1/4	26,373	1/4	11,305	1/4		1/4		1/4		1/4		1/4	
1/2	71,227	1/2	56,158	1/2	41,119	1/2	26,059	1/2	10,991	1/2		1/2		1/2		1/2		1/2	
3/4	70,913	3/4	55,845	3/4	40,806	3/4	25,745	3/4	10,677	3/4		3/4		3/4		3/4		3/4	
9	70,599	9	55,531	9	40,493	9	25,431	9	10,363	9		9		9		9		9	
1/4	70,285	1/4	55,217	1/4	40,180	1/4	25,117	1/4	10,049	1/4		1/4		1/4		1/4		1/4	
1/2	69,971	1/2	54,903	1/2	39,867	1/2	24,803	1/2	9,735	1/2		1/2		1/2		1/2		1/2	
3/4	69,657	3/4	54,589	3/4	39,554	3/4	24,490	3/4	9,421	3/4		3/4		3/4		3/4		3/4	
10	69,343	10	54,275	10	39,240	10	24,176	10	9,107	10		10		10		10		10	
1/4	69,029	1/4	53,961	1/4	38,927	1/4	23,862	1/4	8,793	1/4		1/4		1/4		1/4		1/4	
1/2	68,716	1/2	53,647	1/2	38,613	1/2	23,548	1/2	8,479	1/2		1/2		1/2		1/2		1/2	
3/4	68,402	3/4	53,333	3/4	38,300	3/4	23,234	3/4	8,165	3/4		3/4		3/4		3/4		3/4	
11	68,088	11	53,019	11	37,986	11	22,920	11	7,851	11		11		11		11		11	
1/4	67,774	1/4	52,705	1/4	37,672	1/4	22,606	1/4	7,538	1/4		1/4		1/4		1/4		1/4	
1/2	67,460	1/2	52,391	1/2	37,358	1/2	22,292	1/2	7,224	1/2		1/2		1/2		1/2		1/2	
3/4	67,146	3/4	52,077	3/4	37,044	3/4	21,978	3/4	6,910	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/25/2019 CL
CALCULATED: 11/25/2019 CL
PRINTED: 11/25/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2019

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



BARGE "HSM 3029"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	184,028	0	173,699	0	163,356	0	152,991	0	140,928	0	125,967	0	111,006	0	96,031
1/4	1/4	1/4	183,813	1/4	173,484	1/4	163,140	1/4	152,775	1/4	140,616	1/4	125,655	1/4	110,694	1/4	95,719		
1/2	1/2	1/2	183,597	1/2	173,268	1/2	162,924	1/2	152,559	1/2	140,305	1/2	125,344	1/2	110,382	1/2	95,407		
3/4	3/4	3/4	183,382	3/4	173,053	3/4	162,708	3/4	152,343	3/4	139,993	3/4	125,032	3/4	110,071	3/4	95,096		
1	1	1	183,167	1	172,838	1	162,492	1	152,127	1	139,681	1	124,720	1	109,759	1	94,784		
1/4	1/4	1/4	182,952	1/4	172,623	1/4	162,277	1/4	151,911	1/4	139,370	1/4	124,409	1/4	109,447	1/4	94,472		
1/2	1/2	1/2	182,737	1/2	172,408	1/2	162,061	1/2	151,695	1/2	139,058	1/2	124,097	1/2	109,136	1/2	94,160		
3/4	3/4	3/4	182,521	3/4	172,193	3/4	161,845	3/4	151,479	3/4	138,746	3/4	123,785	3/4	108,824	3/4	93,848		
2	2	2	191,943	2	182,306	2	171,977	2	161,629	2	151,263	2	138,435	2	123,473	2	108,512	2	93,536
1/4	1/4	1/4	191,820	1/4	182,091	1/4	171,762	1/4	161,413	1/4	151,047	1/4	138,123	1/4	123,162	1/4	108,200	1/4	93,224
1/2	1/2	1/2	191,696	1/2	181,876	1/2	171,547	1/2	161,197	1/2	150,831	1/2	137,811	1/2	122,850	1/2	107,889	1/2	92,913
3/4	3/4	3/4	191,573	3/4	181,661	3/4	171,332	3/4	160,981	3/4	150,615	3/4	137,500	3/4	122,538	3/4	107,577	3/4	92,601
3	3	3	191,449	3	181,446	3	171,117	3	160,765	3	150,400	3	137,188	3	122,227	3	107,265	3	92,289
1/4	1/4	1/4	191,289	1/4	181,230	1/4	170,901	1/4	160,549	1/4	150,184	1/4	136,876	1/4	121,915	1/4	106,953	1/4	91,977
1/2	1/2	1/2	191,130	1/2	181,015	1/2	170,686	1/2	160,333	1/2	149,968	1/2	136,565	1/2	121,603	1/2	106,641	1/2	91,665
3/4	3/4	3/4	190,970	3/4	180,800	3/4	170,471	3/4	160,117	3/4	149,752	3/4	136,253	3/4	121,292	3/4	106,329	3/4	91,353
4	4	4	190,811	4	180,585	4	170,256	4	159,901	4	149,536	4	135,941	4	120,980	4	106,017	4	91,042
1/4	1/4	1/4	190,618	1/4	180,370	1/4	170,041	1/4	159,685	1/4	149,316	1/4	135,629	1/4	120,668	1/4	105,705	1/4	90,730
1/2	1/2	1/2	190,425	1/2	180,154	1/2	169,826	1/2	159,469	1/2	149,097	1/2	135,318	1/2	120,357	1/2	105,393	1/2	90,418
3/4	3/4	3/4	190,232	3/4	179,939	3/4	169,610	3/4	159,253	3/4	148,877	3/4	135,006	3/4	120,045	3/4	105,081	3/4	90,106
5	5	5	190,038	5	179,724	5	169,395	5	159,037	5	148,658	5	134,694	5	119,733	5	104,769	5	89,794
1/4	1/4	1/4	189,827	1/4	179,509	1/4	169,180	1/4	158,821	1/4	148,427	1/4	134,383	1/4	119,422	1/4	104,457	1/4	89,482
1/2	1/2	1/2	189,615	1/2	179,294	1/2	168,965	1/2	158,605	1/2	148,196	1/2	134,071	1/2	119,110	1/2	104,144	1/2	89,170
3/4	3/4	3/4	189,404	3/4	179,079	3/4	168,750	3/4	158,390	3/4	147,965	3/4	133,759	3/4	118,798	3/4	103,832	3/4	88,859
6	6	6	189,192	6	178,863	6	168,534	6	158,174	6	147,734	6	133,448	6	118,486	6	103,520	6	88,547
1/4	1/4	1/4	188,977	1/4	178,648	1/4	168,319	1/4	157,958	1/4	147,487	1/4	133,136	1/4	118,175	1/4	103,208	1/4	88,235
1/2	1/2	1/2	188,762	1/2	178,433	1/2	168,104	1/2	157,742	1/2	147,239	1/2	132,824	1/2	117,863	1/2	102,896	1/2	87,923
3/4	3/4	3/4	188,547	3/4	178,218	3/4	167,889	3/4	157,526	3/4	146,992	3/4	132,513	3/4	117,551	3/4	102,584	3/4	87,611
7	7	7	188,332	7	178,003	7	167,674	7	157,310	7	146,745	7	132,201	7	117,240	7	102,272	7	87,299
1/4	1/4	1/4	188,117	1/4	177,787	1/4	167,458	1/4	157,094	1/4	146,482	1/4	131,889	1/4	116,928	1/4	101,960	1/4	86,986
1/2	1/2	1/2	187,902	1/2	177,572	1/2	167,243	1/2	156,878	1/2	146,219	1/2	131,577	1/2	116,616	1/2	101,648	1/2	86,674
3/4	3/4	3/4	187,687	3/4	177,357	3/4	167,027	3/4	156,662	3/4	145,957	3/4	131,266	3/4	116,305	3/4	101,335	3/4	86,362
8	8	8	187,471	8	177,142	8	166,811	8	156,446	8	145,694	8	130,954	8	115,993	8	101,023	8	86,050
1/4	1/4	1/4	187,256	1/4	176,927	1/4	166,595	1/4	156,230	1/4	145,415	1/4	130,642	1/4	115,681	1/4	100,711	1/4	85,738
1/2	1/2	1/2	187,041	1/2	176,711	1/2	166,380	1/2	156,014	1/2	145,137	1/2	130,331	1/2	115,370	1/2	100,399	1/2	85,426
3/4	3/4	3/4	186,826	3/4	176,496	3/4	166,164	3/4	155,798	3/4	144,858	3/4	130,019	3/4	115,058	3/4	100,087	3/4	85,113
9	9	9	186,610	9	176,281	9	165,948	9	155,582	9	144,580	9	129,707	9	114,746	9	99,775	9	84,801
1/4	1/4	1/4	186,395	1/4	176,066	1/4	165,732	1/4	155,366	1/4	144,285	1/4	129,396	1/4	114,434	1/4	99,463	1/4	84,489
1/2	1/2	1/2	186,180	1/2	175,851	1/2	165,516	1/2	155,150	1/2	143,991	1/2	129,084	1/2	114,123	1/2	99,151	1/2	84,177
3/4	3/4	3/4	185,965	3/4	175,636	3/4	165,300	3/4	154,934	3/4	143,696	3/4	128,772	3/4	113,811	3/4	98,839	3/4	83,865
10	10	10	185,749	10	175,420	10	165,084	10	154,718	10	143,401	10	128,461	10	113,499	10	98,527	10	83,553
1/4	1/4	1/4	185,534	1/4	175,205	1/4	164,868	1/4	154,502	1/4	143,094	1/4	128,149	1/4	113,188	1/4	98,215	1/4	83,240
1/2	1/2	1/2	185,319	1/2	174,990	1/2	164,652	1/2	154,287	1/2	142,787	1/2	127,837	1/2	112,876	1/2	97,903	1/2	82,928
3/4	3/4	3/4	185,104	3/4	174,775	3/4	164,436	3/4	154,071	3/4	142,480	3/4	127,525	3/4	112,564	3/4	97,591	3/4	82,616
11	11	11	184,889	11	174,560	11	164,220	11	153,855	11	142,173	11	127,214	11	112,253	11	97,279	11	82,304
1/4	1/4	1/4	184,673	1/4	174,344	1/4	164,004	1/4	153,639	1/4	141,862	1/4	126,902	1/4	111,941	1/4	96,967	1/4	81,992
1/2	1/2	1/2	184,458	1/2	174,129	1/2	163,788	1/2	153,423	1/2	141,551	1/2	126,590	1/2	111,629	1/2	96,655	1/2	81,680
3/4	3/4	3/4	184,243	3/4	173,914	3/4	163,572	3/4	153,207	3/4	141,239	3/4	126,279	3/4	111,318	3/4	96,343	3/4	81,367

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 3029"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	81,055	0	66,146	0	51,414	0	36,841	0	21,874	0	6,882	0		0		0		0	
1/4	80,743	1/4	65,835	1/4	51,112	1/4	36,533	1/4	21,562	1/4	6,569	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,431	1/2	65,525	1/2	50,809	1/2	36,224	1/2	21,250	1/2	6,257	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,119	3/4	65,215	3/4	50,507	3/4	35,916	3/4	20,938	3/4	5,944	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	79,807	1	64,905	1	50,205	1	35,608	1	20,625	1	5,632	1	1	1	1	1	1	1	1
1/4	79,494	1/4	64,595	1/4	49,902	1/4	35,297	1/4	20,313	1/4	5,320	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	79,182	1/2	64,284	1/2	49,600	1/2	34,985	1/2	20,001	1/2	5,007	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,870	3/4	63,974	3/4	49,298	3/4	34,673	3/4	19,689	3/4	4,695	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	78,558	2	63,664	2	48,995	2	34,361	2	19,376	2	4,382	2	2	2	2	2	2	2	2
1/4	78,247	1/4	63,353	1/4	48,693	1/4	34,049	1/4	19,064	1/4	4,071	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,935	1/2	63,042	1/2	48,390	1/2	33,737	1/2	18,752	1/2	3,759	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,624	3/4	62,731	3/4	48,088	3/4	33,425	3/4	18,440	3/4	3,447	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	77,313	3	62,420	3	47,786	3	33,113	3	18,127	3	3,135	3	3	3	3	3	3	3	3
1/4	77,003	1/4	62,108	1/4	47,484	1/4	32,800	1/4	17,815	1/4	2,843	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,693	1/2	61,796	1/2	47,182	1/2	32,488	1/2	17,503	1/2	2,551	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,382	3/4	61,484	3/4	46,880	3/4	32,176	3/4	17,191	3/4	2,258	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	76,072	4	61,172	4	46,578	4	31,864	4	16,878	4	1,966	4	4	4	4	4	4	4	4
1/4	75,762	1/4	60,861	1/4	46,276	1/4	31,551	1/4	16,566	1/4	1,731	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,452	1/2	60,549	1/2	45,975	1/2	31,239	1/2	16,254	1/2	1,497	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,142	3/4	60,237	3/4	45,673	3/4	30,927	3/4	15,942	3/4	1,262	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	74,831	5	59,925	5	45,371	5	30,615	5	15,630	5	1,028	5	5	5	5	5	5	5	5
1/4	74,521	1/4	59,616	1/4	45,068	1/4	30,303	1/4	15,317	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,211	1/2	59,308	1/2	44,765	1/2	29,990	1/2	15,005	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,901	3/4	58,999	3/4	44,462	3/4	29,678	3/4	14,693	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	73,591	6	58,690	6	44,158	6	29,366	6	14,381	6	6	6	6	6	6	6	6	6	6
1/4	73,280	1/4	58,385	1/4	43,853	1/4	29,054	1/4	14,068	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,970	1/2	58,079	1/2	43,549	1/2	28,742	1/2	13,756	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,660	3/4	57,773	3/4	43,244	3/4	28,430	3/4	13,444	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	72,350	7	57,468	7	42,939	7	28,118	7	13,132	7	7	7	7	7	7	7	7	7	7
1/4	72,040	1/4	57,164	1/4	42,634	1/4	27,806	1/4	12,819	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,729	1/2	56,860	1/2	42,329	1/2	27,494	1/2	12,507	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,419	3/4	56,556	3/4	42,024	3/4	27,182	3/4	12,195	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	71,109	8	56,252	8	41,719	8	26,870	8	11,883	8	8	8	8	8	8	8	8	8	8
1/4	70,799	1/4	55,950	1/4	41,414	1/4	26,558	1/4	11,570	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	70,489	1/2	55,647	1/2	41,109	1/2	26,245	1/2	11,258	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70,178	3/4	55,345	3/4	40,804	3/4	25,933	3/4	10,945	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	69,868	9	55,043	9	40,500	9	25,621	9	10,633	9		9	9	9	9	9	9	9	9
1/4	69,558	1/4	54,740	1/4	40,195	1/4	25,309	1/4	10,320	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	69,248	1/2	54,438	1/2	39,890	1/2	24,997	1/2	10,007	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,938	3/4	54,135	3/4	39,585	3/4	24,684	3/4	9,695	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	68,627	10	53,833	10	39,280	10	24,372	10	9,382	10		10	10	10	10	10	10	10	10
1/4	68,317	1/4	53,531	1/4	38,975	1/4	24,060	1/4	9,069	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,007	1/2	53,228	1/2	38,670	1/2	23,748	1/2	8,757	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,697	3/4	52,926	3/4	38,365	3/4	23,435	3/4	8,444	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	67,386	11	52,624	11	38,060	11	23,123	11	8,131	11		11	11	11	11	11	11	11	11
1/4	67,076	1/4	52,321	1/4	37,755	1/4	22,811	1/4	7,819	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,766	1/2	52,019	1/2	37,450	1/2	22,499	1/2	7,507	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,456	3/4	51,716	3/4	37,146	3/4	22,186	3/4	7,194	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/25/2019 CL
CALCULATED: 11/25/2019 CL
PRINTED: 11/25/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2019

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



BARGE "HSM 3029"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE OR 8" HATCH.
 GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 41'-09" FORWARD OF AFT BULKHEAD.
 GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 40'-09" FORWARD OF AFT BULKHEAD.

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





BARGE "HSM 3029"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/25/2019 CL
CALCULATED: 11/25/2019 CL
PRINTED: 11/25/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2019

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



BARGE "HSM 3029"

PORT SLOP TANK

ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-07 3/4"

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

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

STRAPPED: 11/25/2019 CL
 CALCULATED: 11/25/2019 CL
 PRINTED: 11/25/2019 CL

CANCELS AND SUPERCEDES
 ALL PRIOR TO 11/2019

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 3029"

STBD SLOP TANK

ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-07 1/2"

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

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

STRAPPED: 11/25/2019 CL
CALCULATED: 11/25/2019 CL
PRINTED: 11/25/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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