



BARGE "HSM 3028"

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 19, 2019

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HSM 3028"

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 19, 2019

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 & ANALYSIS, INC.
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BARGE "HSM 3028"

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	0	0	199,666	0	184,679	0	169,676	0	154,645	0	139,614	0	124,583	0	109,552	0	94,515	
1/4	1/4	1/4	1/4	1/4	199,354	1/4	184,367	1/4	169,363	1/4	154,332	1/4	139,301	1/4	124,270	1/4	109,239	1/4	94,202	
1/2	1/2	1/2	1/2	199,042	1/2	184,055	1/2	169,049	1/2	154,018	1/2	138,987	1/2	123,956	1/2	108,925	1/2	93,889	1/2	93,889
3/4	3/4	3/4	3/4	198,730	3/4	183,743	3/4	168,736	3/4	153,705	3/4	138,674	3/4	123,643	3/4	108,612	3/4	93,575	3/4	93,575
1	1	1	1	198,417	1	183,430	1	168,423	1	153,392	1	138,361	1	123,330	1	108,299	1	93,262	1	93,262
1/4	1/4	1/4	1/4	198,105	1/4	183,118	1/4	168,110	1/4	153,079	1/4	138,048	1/4	123,017	1/4	107,986	1/4	92,949	1/4	92,949
1/2	1/2	1/2	1/2	197,793	1/2	182,806	1/2	167,797	1/2	152,766	1/2	137,735	1/2	122,704	1/2	107,673	1/2	92,635	1/2	92,635
3/4	3/4	3/4	3/4	197,481	3/4	182,494	3/4	167,484	3/4	152,453	3/4	137,422	3/4	122,391	3/4	107,360	3/4	92,322	3/4	92,322
2	2	2	2	211,104	2	197,169	2	182,181	2	167,171	2	152,140	2	137,109	2	122,078	2	107,046	2	92,009
1/4	1/4	1/4	1/4	210,925	1/4	196,856	1/4	181,869	1/4	166,857	1/4	151,826	1/4	136,795	1/4	121,764	1/4	106,733	1/4	91,696
1/2	1/2	1/2	1/2	210,745	1/2	196,544	1/2	181,557	1/2	166,544	1/2	151,513	1/2	136,482	1/2	121,451	1/2	106,420	1/2	91,382
3/4	3/4	3/4	3/4	210,565	3/4	196,232	3/4	181,245	3/4	166,231	3/4	151,200	3/4	136,169	3/4	121,138	3/4	106,106	3/4	91,069
3	3	3	3	210,385	3	195,920	3	180,932	3	165,918	3	150,887	3	135,856	3	120,825	3	105,793	3	90,756
1/4	1/4	1/4	1/4	210,154	1/4	195,607	1/4	180,620	1/4	165,605	1/4	150,574	1/4	135,543	1/4	120,512	1/4	105,480	1/4	90,442
1/2	1/2	1/2	1/2	209,922	1/2	195,295	1/2	180,308	1/2	165,292	1/2	150,261	1/2	135,230	1/2	120,199	1/2	105,167	1/2	90,129
3/4	3/4	3/4	3/4	209,690	3/4	194,983	3/4	179,996	3/4	164,978	3/4	149,948	3/4	134,917	3/4	119,886	3/4	104,853	3/4	89,816
4	4	4	4	209,458	4	194,671	4	179,684	4	164,665	4	149,634	4	134,603	4	119,572	4	104,540	4	89,503
1/4	1/4	1/4	1/4	209,177	1/4	194,358	1/4	179,371	1/4	164,352	1/4	149,321	1/4	134,290	1/4	119,259	1/4	104,227	1/4	89,189
1/2	1/2	1/2	1/2	208,897	1/2	194,046	1/2	179,059	1/2	164,039	1/2	149,008	1/2	133,977	1/2	118,946	1/2	103,913	1/2	88,876
3/4	3/4	3/4	3/4	208,617	3/4	193,734	3/4	178,747	3/4	163,726	3/4	148,695	3/4	133,664	3/4	118,633	3/4	103,600	3/4	88,563
5	5	5	5	208,336	5	193,422	5	178,435	5	163,413	5	148,382	5	133,351	5	118,320	5	103,287	5	88,249
1/4	1/4	1/4	1/4	208,030	1/4	193,110	1/4	178,122	1/4	163,100	1/4	148,069	1/4	133,038	1/4	118,007	1/4	102,974	1/4	87,936
1/2	1/2	1/2	1/2	207,724	1/2	192,797	1/2	177,810	1/2	162,786	1/2	147,755	1/2	132,725	1/2	117,694	1/2	102,660	1/2	87,623
3/4	3/4	3/4	3/4	207,418	3/4	192,485	3/4	177,498	3/4	162,473	3/4	147,442	3/4	132,411	3/4	117,380	3/4	102,347	3/4	87,310
6	6	6	6	207,112	6	192,173	6	177,186	6	162,160	6	147,129	6	132,098	6	117,067	6	102,034	6	86,996
1/4	1/4	1/4	1/4	206,803	1/4	191,861	1/4	176,873	1/4	161,847	1/4	146,816	1/4	131,785	1/4	116,754	1/4	101,721	1/4	86,683
1/2	1/2	1/2	1/2	206,493	1/2	191,548	1/2	176,561	1/2	161,534	1/2	146,503	1/2	131,472	1/2	116,441	1/2	101,407	1/2	86,370
3/4	3/4	3/4	3/4	206,183	3/4	191,236	3/4	176,249	3/4	161,221	3/4	146,190	3/4	131,159	3/4	116,128	3/4	101,094	3/4	86,056
7	7	7	7	205,873	7	190,924	7	175,937	7	160,908	7	145,877	7	130,846	7	115,815	7	100,781	7	85,743
1/4	1/4	1/4	1/4	205,563	1/4	190,612	1/4	175,624	1/4	160,594	1/4	145,563	1/4	130,532	1/4	115,502	1/4	100,467	1/4	85,430
1/2	1/2	1/2	1/2	205,253	1/2	190,299	1/2	175,311	1/2	160,281	1/2	145,250	1/2	130,219	1/2	115,188	1/2	100,154	1/2	85,117
3/4	3/4	3/4	3/4	204,943	3/4	189,987	3/4	174,999	3/4	159,968	3/4	144,937	3/4	129,906	3/4	114,875	3/4	99,841	3/4	84,803
8	8	8	8	204,633	8	189,675	8	174,686	8	159,655	8	144,624	8	129,593	8	114,562	8	99,528	8	84,490
1/4	1/4	1/4	1/4	204,323	1/4	189,363	1/4	174,373	1/4	159,342	1/4	144,311	1/4	129,280	1/4	114,249	1/4	99,214	1/4	84,177
1/2	1/2	1/2	1/2	204,012	1/2	189,050	1/2	174,060	1/2	159,029	1/2	143,998	1/2	128,967	1/2	113,936	1/2	98,901	1/2	83,864
3/4	3/4	3/4	3/4	203,702	3/4	188,738	3/4	173,747	3/4	158,716	3/4	143,685	3/4	128,654	3/4	113,623	3/4	98,588	3/4	83,550
9	9	9	9	203,392	9	188,426	9	173,433	9	158,402	9	143,371	9	128,340	9	113,309	9	98,274	9	83,237
1/4	1/4	1/4	1/4	203,082	1/4	188,114	1/4	173,120	1/4	158,089	1/4	143,058	1/4	128,027	1/4	112,996	1/4	97,961	1/4	82,924
1/2	1/2	1/2	1/2	202,772	1/2	187,802	1/2	172,807	1/2	157,776	1/2	142,745	1/2	127,714	1/2	112,683	1/2	97,648	1/2	82,610
3/4	3/4	3/4	3/4	202,462	3/4	187,489	3/4	172,494	3/4	157,463	3/4	142,432	3/4	127,401	3/4	112,370	3/4	97,335	3/4	82,297
10	10	10	10	202,151	10	187,177	10	172,181	10	157,150	10	142,119	10	127,088	10	112,057	10	97,021	10	81,984
1/4	1/4	1/4	1/4	201,841	1/4	186,865	1/4	171,868	1/4	156,837	1/4	141,806	1/4	126,775	1/4	111,744	1/4	96,708	1/4	81,671
1/2	1/2	1/2	1/2	201,531	1/2	186,553	1/2	171,555	1/2	156,524	1/2	141,493	1/2	126,462	1/2	111,431	1/2	96,395	1/2	81,357
3/4	3/4	3/4	3/4	201,221	3/4	186,240	3/4	171,241	3/4	156,210	3/4	141,179	3/4	126,148	3/4	111,117	3/4	96,081	3/4	81,044
11	11	11	11	200,911	11	185,928	11	170,928	11	155,897	11	140,866	11	125,835	11	110,804	11	95,768	11	80,731
1/4	1/4	1/4	1/4	200,600	1/4	185,616	1/4	170,615	1/4	155,584	1/4	140,553	1/4	125,522	1/4	110,491	1/4	95,455	1/4	80,417
1/2	1/2	1/2	1/2	200,289	1/2	185,304	1/2	170,302	1/2	155,271	1/2	140,240	1/2	125,209	1/2	110,178	1/2	95,142	1/2	80,104
3/4	3/4	3/4	3/4	199,978	3/4	184,991	3/4	169,989	3/4	154,958	3/4	139,927	3/4	124,896	3/4	109,865	3/4	94,828	3/4	79,791

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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BARGE "HSM 3028"

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	79,478	0	64,441	0	49,504	0	34,470	0	19,433	0	5,248	0		0		0		0	
1/4	79,164	1/4	64,129	1/4	49,192	1/4	34,157	1/4	19,120	1/4	4,978	1/4		1/4		1/4		1/4	
1/2	78,851	1/2	63,817	1/2	48,879	1/2	33,844	1/2	18,807	1/2	4,707	1/2		1/2		1/2		1/2	
3/4	78,538	3/4	63,505	3/4	48,567	3/4	33,530	3/4	18,493	3/4	4,436	3/4		3/4		3/4		3/4	
1	78,224	1	63,193	1	48,254	1	33,217	1	18,180	1	4,165	1		1		1		1	
1/4	77,911	1/4	62,882	1/4	47,941	1/4	32,904	1/4	17,868	1/4	3,898	1/4		1/4		1/4		1/4	
1/2	77,598	1/2	62,571	1/2	47,628	1/2	32,591	1/2	17,556	1/2	3,632	1/2		1/2		1/2		1/2	
3/4	77,285	3/4	62,259	3/4	47,314	3/4	32,277	3/4	17,243	3/4	3,365	3/4		3/4		3/4		3/4	
2	76,971	2	61,948	2	47,001	2	31,964	2	16,931	2	3,098	2		2		2		2	
1/4	76,658	1/4	61,637	1/4	46,688	1/4	31,651	1/4	16,622	1/4	2,836	1/4		1/4		1/4		1/4	
1/2	76,345	1/2	61,326	1/2	46,375	1/2	31,338	1/2	16,312	1/2	2,574	1/2		1/2		1/2		1/2	
3/4	76,031	3/4	61,015	3/4	46,061	3/4	31,024	3/4	16,003	3/4	2,312	3/4		3/4		3/4		3/4	
3	75,718	3	60,705	3	45,748	3	30,711	3	15,693	3	2,050	3		3		3		3	
1/4	75,405	1/4	60,394	1/4	45,435	1/4	30,398	1/4	15,388	1/4	1,811	1/4		1/4		1/4		1/4	
1/2	75,092	1/2	60,083	1/2	45,122	1/2	30,084	1/2	15,082	1/2	1,572	1/2		1/2		1/2		1/2	
3/4	74,778	3/4	59,772	3/4	44,808	3/4	29,771	3/4	14,777	3/4	1,333	3/4		3/4		3/4		3/4	
4	74,465	4	59,461	4	44,495	4	29,458	4	14,471	4	1,094	4		4		4		4	
1/4	74,152	1/4	59,150	1/4	44,182	1/4	29,145	1/4	14,169	1/4	917	1/4		1/4		1/4		1/4	
1/2	73,839	1/2	58,839	1/2	43,868	1/2	28,831	1/2	13,868	1/2	740	1/2		1/2		1/2		1/2	
3/4	73,525	3/4	58,528	3/4	43,555	3/4	28,518	3/4	13,566	3/4	563	3/4		3/4		3/4		3/4	
5	73,212	5	58,217	5	43,242	5	28,205	5	13,264	5	386	5		5		5		5	
1/4	72,899	1/4	57,906	1/4	42,929	1/4	27,892	1/4	12,966	1/4		1/4		1/4		1/4		1/4	
1/2	72,585	1/2	57,595	1/2	42,615	1/2	27,578	1/2	12,669	1/2		1/2		1/2		1/2		1/2	
3/4	72,272	3/4	57,285	3/4	42,302	3/4	27,265	3/4	12,371	3/4		3/4		3/4		3/4		3/4	
6	71,959	6	56,974	6	41,989	6	26,952	6	12,073	6		6		6		6		6	
1/4	71,646	1/4	56,663	1/4	41,676	1/4	26,638	1/4	11,779	1/4		1/4		1/4		1/4		1/4	
1/2	71,332	1/2	56,352	1/2	41,362	1/2	26,325	1/2	11,485	1/2		1/2		1/2		1/2		1/2	
3/4	71,019	3/4	56,041	3/4	41,049	3/4	26,012	3/4	11,191	3/4		3/4		3/4		3/4		3/4	
7	70,706	7	55,730	7	40,736	7	25,699	7	10,897	7		7		7		7		7	
1/4	70,392	1/4	55,419	1/4	40,422	1/4	25,385	1/4	10,607	1/4		1/4		1/4		1/4		1/4	
1/2	70,079	1/2	55,108	1/2	40,109	1/2	25,072	1/2	10,317	1/2		1/2		1/2		1/2		1/2	
3/4	69,766	3/4	54,797	3/4	39,796	3/4	24,759	3/4	10,026	3/4		3/4		3/4		3/4		3/4	
8	69,453	8	54,486	8	39,483	8	24,446	8	9,736	8		8		8		8		8	
1/4	69,139	1/4	54,175	1/4	39,169	1/4	24,132	1/4	9,450	1/4		1/4		1/4		1/4		1/4	
1/2	68,826	1/2	53,865	1/2	38,856	1/2	23,819	1/2	9,164	1/2		1/2		1/2		1/2		1/2	
3/4	68,513	3/4	53,554	3/4	38,543	3/4	23,506	3/4	8,878	3/4		3/4		3/4		3/4		3/4	
9	68,199	9	53,243	9	38,230	9	23,192	9	8,591	9		9		9		9		9	
1/4	67,886	1/4	52,932	1/4	37,916	1/4	22,879	1/4	8,309	1/4		1/4		1/4		1/4		1/4	
1/2	67,573	1/2	52,620	1/2	37,603	1/2	22,566	1/2	8,026	1/2		1/2		1/2		1/2		1/2	
3/4	67,260	3/4	52,309	3/4	37,290	3/4	22,253	3/4	7,744	3/4		3/4		3/4		3/4		3/4	
10	66,946	10	51,998	10	36,976	10	21,939	10	7,462	10		10		10		10		10	
1/4	66,633	1/4	51,687	1/4	36,663	1/4	21,626	1/4	7,183	1/4		1/4		1/4		1/4		1/4	
1/2	66,320	1/2	51,375	1/2	36,350	1/2	21,313	1/2	6,904	1/2		1/2		1/2		1/2		1/2	
3/4	66,006	3/4	51,063	3/4	36,037	3/4	21,000	3/4	6,626	3/4		3/4		3/4		3/4		3/4	
11	65,693	11	50,752	11	35,723	11	20,686	11	6,347	11		11		11		11		11	
1/4	65,380	1/4	50,440	1/4	35,410	1/4	20,373	1/4	6,073	1/4		1/4		1/4		1/4		1/4	
1/2	65,067	1/2	50,128	1/2	35,097	1/2	20,060	1/2	5,798	1/2		1/2		1/2		1/2		1/2	
3/4	64,754	3/4	49,816	3/4	34,784	3/4	19,747	3/4	5,523	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/18/2019 CL
CALCULATED: 11/19/2019 CL
PRINTED: 11/19/2019 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 3028"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	199,712	0	184,729	0	169,729	0	154,702	0	139,674	0	124,647	0	109,620	0	94,588		
1/4	1/4	1/4	199,400	1/4	184,417	1/4	169,416	1/4	154,389	1/4	139,361	1/4	124,334	1/4	109,307	1/4	94,274		
1/2	1/2	1/2	199,088	1/2	184,105	1/2	169,103	1/2	154,076	1/2	139,048	1/2	124,021	1/2	108,994	1/2	93,961		
3/4	3/4	3/4	198,776	3/4	183,792	3/4	168,790	3/4	153,762	3/4	138,735	3/4	123,708	3/4	108,681	3/4	93,648		
1	1	1	198,464	1	183,480	1	168,477	1	153,449	1	138,422	1	123,395	1	108,368	1	93,335		
1/4	1/4	1/4	198,152	1/4	183,168	1/4	168,164	1/4	153,136	1/4	138,109	1/4	123,082	1/4	108,055	1/4	93,022		
1/2	1/2	1/2	197,839	1/2	182,856	1/2	167,851	1/2	152,823	1/2	137,796	1/2	122,769	1/2	107,742	1/2	92,708		
3/4	3/4	3/4	197,527	3/4	182,544	3/4	167,537	3/4	152,510	3/4	137,483	3/4	122,456	3/4	107,429	3/4	92,395		
2	2	2	211,147	2	197,215	2	182,232	2	167,224	2	152,197	2	137,170	2	122,143	2	107,116	2	92,082
1/4	1/4	1/4	210,968	1/4	196,903	1/4	181,919	1/4	166,911	1/4	151,884	1/4	136,857	1/4	121,830	1/4	106,802	1/4	91,769
1/2	1/2	1/2	210,788	1/2	196,591	1/2	181,607	1/2	166,598	1/2	151,571	1/2	136,544	1/2	121,517	1/2	106,489	1/2	91,456
3/4	3/4	3/4	210,608	3/4	196,279	3/4	181,295	3/4	166,285	3/4	151,258	3/4	136,231	3/4	121,204	3/4	106,176	3/4	91,142
3	3	3	210,429	3	195,966	3	180,983	3	165,972	3	150,945	3	135,918	3	120,891	3	105,863	3	90,829
1/4	1/4	1/4	210,197	1/4	195,654	1/4	180,671	1/4	165,659	1/4	150,632	1/4	135,605	1/4	120,578	1/4	105,550	1/4	90,516
1/2	1/2	1/2	209,965	1/2	195,342	1/2	180,359	1/2	165,346	1/2	150,319	1/2	135,291	1/2	120,264	1/2	105,236	1/2	90,203
3/4	3/4	3/4	209,733	3/4	195,030	3/4	180,047	3/4	165,033	3/4	150,006	3/4	134,978	3/4	119,951	3/4	104,923	3/4	89,890
4	4	4	209,501	4	194,718	4	179,734	4	164,720	4	149,693	4	134,665	4	119,638	4	104,610	4	89,576
1/4	1/4	1/4	209,221	1/4	194,406	1/4	179,422	1/4	164,407	1/4	149,380	1/4	134,352	1/4	119,325	1/4	104,297	1/4	89,263
1/2	1/2	1/2	208,941	1/2	194,094	1/2	179,110	1/2	164,094	1/2	149,066	1/2	134,039	1/2	119,012	1/2	103,984	1/2	88,950
3/4	3/4	3/4	208,661	3/4	193,781	3/4	178,798	3/4	163,781	3/4	148,753	3/4	133,726	3/4	118,699	3/4	103,670	3/4	88,637
5	5	5	208,380	5	193,469	5	178,486	5	163,468	5	148,440	5	133,413	5	118,386	5	103,357	5	88,324
1/4	1/4	1/4	208,074	1/4	193,157	1/4	178,174	1/4	163,155	1/4	148,127	1/4	133,100	1/4	118,073	1/4	103,044	1/4	88,010
1/2	1/2	1/2	207,768	1/2	192,845	1/2	177,861	1/2	162,841	1/2	147,814	1/2	132,787	1/2	117,760	1/2	102,731	1/2	87,697
3/4	3/4	3/4	207,462	3/4	192,533	3/4	177,549	3/4	162,528	3/4	147,501	3/4	132,474	3/4	117,447	3/4	102,418	3/4	87,384
6	6	6	207,156	6	192,221	6	177,237	6	162,215	6	147,188	6	132,161	6	117,134	6	102,104	6	87,071
1/4	1/4	1/4	206,847	1/4	191,908	1/4	176,925	1/4	161,902	1/4	146,875	1/4	131,848	1/4	116,821	1/4	101,791	1/4	86,758
1/2	1/2	1/2	206,537	1/2	191,596	1/2	176,613	1/2	161,589	1/2	146,562	1/2	131,535	1/2	116,508	1/2	101,478	1/2	86,444
3/4	3/4	3/4	206,227	3/4	191,284	3/4	176,301	3/4	161,276	3/4	146,249	3/4	131,222	3/4	116,195	3/4	101,165	3/4	86,131
7	7	7	205,918	7	190,972	7	175,989	7	160,963	7	145,936	7	130,909	7	115,882	7	100,852	7	85,818
1/4	1/4	1/4	205,608	1/4	190,660	1/4	175,676	1/4	160,650	1/4	145,623	1/4	130,596	1/4	115,568	1/4	100,538	1/4	85,505
1/2	1/2	1/2	205,298	1/2	190,348	1/2	175,363	1/2	160,337	1/2	145,310	1/2	130,282	1/2	115,255	1/2	100,225	1/2	85,192
3/4	3/4	3/4	204,988	3/4	190,035	3/4	175,051	3/4	160,024	3/4	144,997	3/4	129,969	3/4	114,942	3/4	99,912	3/4	84,878
8	8	8	204,678	8	189,723	8	174,738	8	159,711	8	144,684	8	129,656	8	114,629	8	99,599	8	84,565
1/4	1/4	1/4	204,367	1/4	189,411	1/4	174,425	1/4	159,398	1/4	144,370	1/4	129,343	1/4	114,316	1/4	99,286	1/4	84,252
1/2	1/2	1/2	204,057	1/2	189,099	1/2	174,112	1/2	159,085	1/2	144,057	1/2	129,030	1/2	114,003	1/2	98,972	1/2	83,939
3/4	3/4	3/4	203,747	3/4	188,787	3/4	173,799	3/4	158,772	3/4	143,744	3/4	128,717	3/4	113,690	3/4	98,659	3/4	83,626
9	9	9	203,437	9	188,475	9	173,486	9	158,459	9	143,431	9	128,404	9	113,377	9	98,346	9	83,312
1/4	1/4	1/4	203,127	1/4	188,163	1/4	173,173	1/4	158,145	1/4	143,118	1/4	128,091	1/4	113,064	1/4	98,033	1/4	82,999
1/2	1/2	1/2	202,817	1/2	187,850	1/2	172,860	1/2	157,832	1/2	142,805	1/2	127,778	1/2	112,751	1/2	97,720	1/2	82,686
3/4	3/4	3/4	202,507	3/4	187,538	3/4	172,547	3/4	157,519	3/4	142,492	3/4	127,465	3/4	112,438	3/4	97,406	3/4	82,373
10	10	10	202,197	10	187,226	10	172,234	10	157,206	10	142,179	10	127,152	10	112,125	10	97,093	10	82,060
1/4	1/4	1/4	201,887	1/4	186,914	1/4	171,920	1/4	156,893	1/4	141,866	1/4	126,839	1/4	111,812	1/4	96,780	1/4	81,746
1/2	1/2	1/2	201,577	1/2	186,602	1/2	171,607	1/2	156,580	1/2	141,553	1/2	126,526	1/2	111,499	1/2	96,467	1/2	81,433
3/4	3/4	3/4	201,267	3/4	186,290	3/4	171,294	3/4	156,267	3/4	141,240	3/4	126,213	3/4	111,186	3/4	96,154	3/4	81,120
11	11	11	200,957	11	185,977	11	170,981	11	155,954	11	140,927	11	125,900	11	110,873	11	95,840	11	80,807
1/4	1/4	1/4	200,646	1/4	185,665	1/4	170,668	1/4	155,641	1/4	140,614	1/4	125,587	1/4	110,559	1/4	95,527	1/4	80,494
1/2	1/2	1/2	200,334	1/2	185,353	1/2	170,355	1/2	155,328	1/2	140,301	1/2	125,273	1/2	110,246	1/2	95,214	1/2	80,180
3/4	3/4	3/4	200,023	3/4	185,041	3/4	170,042	3/4	155,015	3/4	139,987	3/4	124,960	3/4	109,933	3/4	94,901	3/4	79,867

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
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BARGE "HSM 3028"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	79,554	0	64,521	0	49,494	0	34,461	0	19,428	0	5,247	0		0		0		0	
1/4	79,241	1/4	64,207	1/4	49,181	1/4	34,148	1/4	19,115	1/4	4,976	1/4		0		0		0	
1/2	78,928	1/2	63,894	1/2	48,868	1/2	33,835	1/2	18,802	1/2	4,706	1/2		0		0		0	
3/4	78,614	3/4	63,581	3/4	48,555	3/4	33,522	3/4	18,489	3/4	4,435	3/4		0		0		0	
1	78,301	1	63,268	1	48,242	1	33,209	1	18,175	1	4,164	1		1		1		1	
1/4	77,988	1/4	62,955	1/4	47,928	1/4	32,895	1/4	17,863	1/4	3,898	1/4		1		1		1	
1/2	77,675	1/2	62,641	1/2	47,615	1/2	32,582	1/2	17,551	1/2	3,631	1/2		1		1		1	
3/4	77,362	3/4	62,328	3/4	47,302	3/4	32,269	3/4	17,239	3/4	3,364	3/4		1		1		1	
2	77,048	2	62,015	2	46,989	2	31,956	2	16,927	2	3,098	2		2		2		2	
1/4	76,735	1/4	61,702	1/4	46,676	1/4	31,643	1/4	16,617	1/4	2,835	1/4		2		2		2	
1/2	76,422	1/2	61,389	1/2	46,363	1/2	31,329	1/2	16,308	1/2	2,573	1/2		2		2		2	
3/4	76,109	3/4	61,076	3/4	46,049	3/4	31,016	3/4	15,999	3/4	2,311	3/4		2		2		2	
3	75,796	3	60,763	3	45,736	3	30,703	3	15,689	3	2,049	3		3		3		3	
1/4	75,482	1/4	60,450	1/4	45,423	1/4	30,390	1/4	15,384	1/4	1,810	1/4		3		3		3	
1/2	75,169	1/2	60,137	1/2	45,110	1/2	30,077	1/2	15,078	1/2	1,571	1/2		3		3		3	
3/4	74,856	3/4	59,824	3/4	44,797	3/4	29,763	3/4	14,773	3/4	1,333	3/4		3		3		3	
4	74,543	4	59,511	4	44,483	4	29,450	4	14,467	4	1,094	4		4		4		4	
1/4	74,230	1/4	59,198	1/4	44,170	1/4	29,137	1/4	14,166	1/4	917	1/4		4		4		4	
1/2	73,916	1/2	58,885	1/2	43,857	1/2	28,824	1/2	13,864	1/2	740	1/2		4		4		4	
3/4	73,603	3/4	58,572	3/4	43,544	3/4	28,511	3/4	13,562	3/4	563	3/4		4		4		4	
5	73,290	5	58,259	5	43,231	5	28,198	5	13,261	5	386	5		5		5		5	
1/4	72,977	1/4	57,946	1/4	42,917	1/4	27,884	1/4	12,963	1/4		1/4		5		5		5	
1/2	72,664	1/2	57,633	1/2	42,604	1/2	27,571	1/2	12,665	1/2		1/2		5		5		5	
3/4	72,350	3/4	57,320	3/4	42,291	3/4	27,258	3/4	12,368	3/4		3/4		5		5		5	
6	72,037	6	57,007	6	41,978	6	26,945	6	12,070	6		6		6		6		6	
1/4	71,724	1/4	56,694	1/4	41,665	1/4	26,632	1/4	11,776	1/4		1/4		6		6		6	
1/2	71,411	1/2	56,381	1/2	41,351	1/2	26,318	1/2	11,482	1/2		1/2		6		6		6	
3/4	71,098	3/4	56,069	3/4	41,038	3/4	26,005	3/4	11,188	3/4		3/4		6		6		6	
7	70,784	7	55,756	7	40,725	7	25,692	7	10,894	7		7		7		7		7	
1/4	70,471	1/4	55,443	1/4	40,412	1/4	25,379	1/4	10,604	1/4		1/4		7		7		7	
1/2	70,158	1/2	55,130	1/2	40,099	1/2	25,066	1/2	10,314	1/2		1/2		7		7		7	
3/4	69,845	3/4	54,817	3/4	39,786	3/4	24,752	3/4	10,024	3/4		3/4		7		7		7	
8	69,532	8	54,504	8	39,472	8	24,439	8	9,734	8		8		8		8		8	
1/4	69,218	1/4	54,191	1/4	39,159	1/4	24,126	1/4	9,448	1/4		1/4		8		8		8	
1/2	68,905	1/2	53,878	1/2	38,846	1/2	23,813	1/2	9,162	1/2		1/2		8		8		8	
3/4	68,592	3/4	53,565	3/4	38,533	3/4	23,500	3/4	8,875	3/4		3/4		8		8		8	
9	68,279	9	53,252	9	38,220	9	23,187	9	8,589	9		9		9		9		9	
1/4	67,966	1/4	52,939	1/4	37,906	1/4	22,873	1/4	8,307	1/4		1/4		9		9		9	
1/2	67,652	1/2	52,626	1/2	37,593	1/2	22,560	1/2	8,024	1/2		1/2		9		9		9	
3/4	67,339	3/4	52,313	3/4	37,280	3/4	22,247	3/4	7,742	3/4		3/4		9		9		9	
10	67,026	10	52,000	10	36,967	10	21,934	10	7,460	10		10		10		10		10	
1/4	66,713	1/4	51,687	1/4	36,654	1/4	21,621	1/4	7,181	1/4		1/4		10		10		10	
1/2	66,400	1/2	51,373	1/2	36,340	1/2	21,307	1/2	6,903	1/2		1/2		10		10		10	
3/4	66,086	3/4	51,060	3/4	36,027	3/4	20,994	3/4	6,624	3/4		3/4		10		10		10	
11	65,773	11	50,747	11	35,714	11	20,681	11	6,346	11		11		11		11		11	
1/4	65,460	1/4	50,434	1/4	35,401	1/4	20,368	1/4	6,071	1/4		1/4		11		11		11	
1/2	65,147	1/2	50,121	1/2	35,088	1/2	20,055	1/2	5,796	1/2		1/2		11		11		11	
3/4	64,834	3/4	49,808	3/4	34,775	3/4	19,741	3/4	5,522	3/4		3/4		11		11		11	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2019

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BARGE "HSM 3028"

2 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	0	0	201,868	0	186,831	0	171,775	0	156,686	0	141,598	0	126,510	0	111,421	0	96,326
1/4		1/4		1/4	201,555	1/4	186,518	1/4	171,460	1/4	156,372	1/4	141,284	1/4	126,195	1/4	111,107	1/4	96,012
1/2		1/2		1/2	201,241	1/2	186,204	1/2	171,146	1/2	156,058	1/2	140,969	1/2	125,881	1/2	110,793	1/2	95,697
3/4		3/4		3/4	200,928	3/4	185,891	3/4	170,831	3/4	155,743	3/4	140,655	3/4	125,567	3/4	110,478	3/4	95,383
1	1	1	1	1	200,615	1	185,578	1	170,517	1	155,429	1	140,341	1	125,252	1	110,164	1	95,068
1/4		1/4		1/4	200,302	1/4	185,264	1/4	170,203	1/4	155,115	1/4	140,026	1/4	124,938	1/4	109,850	1/4	94,754
1/2		1/2		1/2	199,988	1/2	184,951	1/2	169,888	1/2	154,800	1/2	139,712	1/2	124,624	1/2	109,535	1/2	94,439
3/4		3/4		3/4	199,675	3/4	184,638	3/4	169,574	3/4	154,486	3/4	139,398	3/4	124,309	3/4	109,221	3/4	94,125
2	2	2	2	2	199,362	2	184,325	2	169,260	2	154,171	2	139,083	2	123,995	2	108,906	2	93,810
1/4		1/4		1/4	199,048	1/4	184,011	1/4	168,945	1/4	153,857	1/4	138,769	1/4	123,681	1/4	108,592	1/4	93,496
1/2		1/2		1/2	198,735	1/2	183,698	1/2	168,631	1/2	153,543	1/2	138,455	1/2	123,366	1/2	108,277	1/2	93,181
3/4		3/4		3/4	198,422	3/4	183,385	3/4	168,317	3/4	153,228	3/4	138,140	3/4	123,052	3/4	107,963	3/4	92,867
3	3	3	3	3	198,109	3	183,072	3	168,002	3	152,914	3	137,826	3	122,738	3	107,648	3	92,552
1/4		1/4		1/4	197,795	1/4	182,758	1/4	167,688	1/4	152,600	1/4	137,511	1/4	122,423	1/4	107,334	1/4	92,238
1/2		1/2		1/2	197,482	1/2	182,445	1/2	167,374	1/2	152,285	1/2	137,197	1/2	122,109	1/2	107,019	1/2	91,923
3/4		3/4		3/4	197,169	3/4	182,132	3/4	167,059	3/4	151,971	3/4	136,883	3/4	121,795	3/4	106,705	3/4	91,609
4	4	4	4	4	196,856	4	181,818	4	166,745	4	151,657	4	136,568	4	121,480	4	106,390	4	91,294
1/4		1/4		1/4	196,542	1/4	181,505	1/4	166,431	1/4	151,342	1/4	136,254	1/4	121,166	1/4	106,076	1/4	90,980
1/2		1/2		1/2	196,229	1/2	181,192	1/2	166,116	1/2	151,028	1/2	135,940	1/2	120,851	1/2	105,761	1/2	90,665
3/4		3/4		3/4	195,916	3/4	180,879	3/4	165,802	3/4	150,714	3/4	135,625	3/4	120,537	3/4	105,447	3/4	90,351
5	5	5	5	5	195,602	5	180,565	5	165,488	5	150,399	5	135,311	5	120,223	5	105,132	5	90,036
1/4		1/4		1/4	195,289	1/4	180,252	1/4	165,173	1/4	150,085	1/4	134,997	1/4	119,908	1/4	104,818	1/4	89,722
1/2		1/2		1/2	194,976	1/2	179,939	1/2	164,859	1/2	149,771	1/2	134,682	1/2	119,594	1/2	104,503	1/2	89,407
3/4		3/4		3/4	194,663	3/4	179,626	3/4	164,545	3/4	149,456	3/4	134,368	3/4	119,280	3/4	104,189	3/4	89,093
6	6	6	6	6	194,349	6	179,312	6	164,230	6	149,142	6	134,054	6	118,965	6	103,874	6	88,778
1/4		1/4		1/4	194,036	1/4	178,999	1/4	163,916	1/4	148,828	1/4	133,739	1/4	118,651	1/4	103,560	1/4	88,464
1/2		1/2		1/2	193,723	1/2	178,686	1/2	163,602	1/2	148,513	1/2	133,425	1/2	118,337	1/2	103,245	1/2	88,149
3/4		3/4		3/4	193,410	3/4	178,372	3/4	163,287	3/4	148,199	3/4	133,111	3/4	118,022	3/4	102,931	3/4	87,835
7	7	7	7	7	193,096	7	178,059	7	162,973	7	147,885	7	132,796	7	117,708	7	102,616	7	87,520
1/4		1/4		1/4	192,783	1/4	177,745	1/4	162,659	1/4	147,570	1/4	132,482	1/4	117,394	1/4	102,302	1/4	87,206
1/2		1/2		1/2	192,470	1/2	177,432	1/2	162,344	1/2	147,256	1/2	132,168	1/2	117,079	1/2	101,987	1/2	86,891
3/4		3/4		3/4	192,156	3/4	177,118	3/4	162,030	3/4	146,942	3/4	131,853	3/4	116,765	3/4	101,673	3/4	86,577
8	8	8	8	8	191,843	8	176,804	8	161,716	8	146,627	8	131,539	8	116,451	8	101,358	8	86,262
1/4		1/4		1/4	191,530	1/4	176,490	1/4	161,401	1/4	146,313	1/4	131,225	1/4	116,136	1/4	101,044	1/4	85,948
1/2		1/2		1/2	191,217	1/2	176,175	1/2	161,087	1/2	145,999	1/2	130,910	1/2	115,822	1/2	100,729	1/2	85,633
3/4		3/4		3/4	190,903	3/4	175,861	3/4	160,773	3/4	145,684	3/4	130,596	3/4	115,508	3/4	100,415	3/4	85,319
9	9	9	9	9	190,590	9	175,547	9	160,458	9	145,370	9	130,282	9	115,193	9	100,100	9	85,004
1/4		1/4		1/4	190,277	1/4	175,232	1/4	160,144	1/4	145,056	1/4	129,967	1/4	114,879	1/4	99,786	1/4	84,690
1/2		1/2		1/2	189,964	1/2	174,918	1/2	159,830	1/2	144,741	1/2	129,653	1/2	114,565	1/2	99,471	1/2	84,375
3/4		3/4		3/4	189,650	3/4	174,604	3/4	159,515	3/4	144,427	3/4	129,339	3/4	114,250	3/4	99,157	3/4	84,061
10	10	10	10	10	189,337	10	174,289	10	159,201	10	144,113	10	129,024	10	113,936	10	98,842	10	83,746
1/4		1/4		1/4	189,024	1/4	173,975	1/4	158,887	1/4	143,798	1/4	128,710	1/4	113,622	1/4	98,528	1/4	83,432
1/2		1/2		1/2	188,710	1/2	173,661	1/2	158,572	1/2	143,484	1/2	128,396	1/2	113,307	1/2	98,213	1/2	83,117
3/4		3/4		3/4	188,397	3/4	173,346	3/4	158,258	3/4	143,170	3/4	128,081	3/4	112,993	3/4	97,899	3/4	82,803
11	11	11	11	11	188,084	11	173,032	11	157,944	11	142,855	11	127,767	11	112,679	11	97,584	11	82,488
1/4		1/4		1/4	187,771	1/4	172,718	1/4	157,629	1/4	142,541	1/4	127,453	1/4	112,364	1/4	97,270	1/4	82,174
1/2		1/2		1/2	187,457	1/2	172,403	1/2	157,315	1/2	142,227	1/2	127,138	1/2	112,050	1/2	96,955	1/2	81,859
3/4		3/4		3/4	187,144	3/4	172,089	3/4	157,001	3/4	141,912	3/4	126,824	3/4	111,736	3/4	96,641	3/4	81,545

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 3028"

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	81,230	0	66,135	0	51,581	0	37,087	0	22,017	0	6,922	0		0		0		0	
1/4	80,916	1/4	65,826	1/4	51,279	1/4	36,778	1/4	21,703	1/4	6,607	1/4			1/4		1/4		1/4
1/2	80,601	1/2	65,517	1/2	50,976	1/2	36,470	1/2	21,388	1/2	6,293	1/2			1/2		1/2		1/2
3/4	80,287	3/4	65,209	3/4	50,674	3/4	36,161	3/4	21,074	3/4	5,979	3/4			3/4		3/4		3/4
1	79,972	1	64,900	1	50,372	1	35,853	1	20,759	1	5,664	1			1		1		1
1/4	79,658	1/4	64,597	1/4	50,070	1/4	35,538	1/4	20,445	1/4	5,350	1/4			1/4		1/4		1/4
1/2	79,343	1/2	64,295	1/2	49,768	1/2	35,224	1/2	20,130	1/2	5,036	1/2			1/2		1/2		1/2
3/4	79,029	3/4	63,992	3/4	49,466	3/4	34,909	3/4	19,816	3/4	4,721	3/4			3/4		3/4		3/4
2	78,714	2	63,689	2	49,164	2	34,595	2	19,501	2	4,407	2			2		2		2
1/4	78,400	1/4	63,387	1/4	48,862	1/4	34,280	1/4	19,187	1/4	4,094	1/4			1/4		1/4		1/4
1/2	78,086	1/2	63,084	1/2	48,560	1/2	33,966	1/2	18,872	1/2	3,780	1/2			1/2		1/2		1/2
3/4	77,771	3/4	62,781	3/4	48,258	3/4	33,651	3/4	18,558	3/4	3,467	3/4			3/4		3/4		3/4
3	77,457	3	62,479	3	47,956	3	33,337	3	18,243	3	3,153	3			3		3		3
1/4	77,142	1/4	62,176	1/4	47,654	1/4	33,022	1/4	17,929	1/4	2,839	1/4			1/4		1/4		1/4
1/2	76,828	1/2	61,873	1/2	47,353	1/2	32,708	1/2	17,615	1/2	2,525	1/2			1/2		1/2		1/2
3/4	76,513	3/4	61,570	3/4	47,051	3/4	32,393	3/4	17,300	3/4	2,211	3/4			3/4		3/4		3/4
4	76,199	4	61,268	4	46,749	4	32,079	4	16,986	4	1,897	4			4		4		4
1/4	75,884	1/4	60,965	1/4	46,447	1/4	31,764	1/4	16,671	1/4	1,741	1/4			1/4		1/4		1/4
1/2	75,570	1/2	60,662	1/2	46,146	1/2	31,450	1/2	16,357	1/2	1,505	1/2			1/2		1/2		1/2
3/4	75,255	3/4	60,360	3/4	45,844	3/4	31,135	3/4	16,042	3/4	1,269	3/4			3/4		3/4		3/4
5	74,941	5	60,057	5	45,542	5	30,821	5	15,728	5	1,034	5			5		5		5
1/4	74,626	1/4	59,754	1/4	45,240	1/4	30,506	1/4	15,413	1/4		1/4			1/4		1/4		1/4
1/2	74,312	1/2	59,451	1/2	44,938	1/2	30,192	1/2	15,099	1/2		1/2			1/2		1/2		1/2
3/4	73,997	3/4	59,149	3/4	44,637	3/4	29,877	3/4	14,784	3/4		3/4			3/4		3/4		3/4
6	73,683	6	58,846	6	44,335	6	29,563	6	14,470	6		6			6		6		6
1/4	73,368	1/4	58,543	1/4	44,033	1/4	29,249	1/4	14,155	1/4		1/4			1/4		1/4		1/4
1/2	73,054	1/2	58,241	1/2	43,731	1/2	28,934	1/2	13,841	1/2		1/2			1/2		1/2		1/2
3/4	72,739	3/4	57,938	3/4	43,430	3/4	28,620	3/4	13,526	3/4		3/4			3/4		3/4		3/4
7	72,425	7	57,635	7	43,128	7	28,306	7	13,212	7		7			7		7		7
1/4	72,110	1/4	57,332	1/4	42,826	1/4	27,992	1/4	12,897	1/4		1/4			1/4		1/4		1/4
1/2	71,796	1/2	57,030	1/2	42,524	1/2	27,677	1/2	12,583	1/2		1/2			1/2		1/2		1/2
3/4	71,481	3/4	56,727	3/4	42,223	3/4	27,363	3/4	12,268	3/4		3/4			3/4		3/4		3/4
8	71,167	8	56,424	8	41,921	8	27,049	8	11,954	8		8			8		8		8
1/4	70,852	1/4	56,122	1/4	41,619	1/4	26,734	1/4	11,639	1/4		1/4			1/4		1/4		1/4
1/2	70,538	1/2	55,819	1/2	41,317	1/2	26,420	1/2	11,325	1/2		1/2			1/2		1/2		1/2
3/4	70,223	3/4	55,516	3/4	41,015	3/4	26,106	3/4	11,010	3/4		3/4			3/4		3/4		3/4
9	69,909	9	55,214	9	40,714	9	25,791	9	10,696	9		9			9		9		9
1/4	69,594	1/4	54,911	1/4	40,412	1/4	25,477	1/4	10,381	1/4		1/4			1/4		1/4		1/4
1/2	69,280	1/2	54,608	1/2	40,110	1/2	25,162	1/2	10,067	1/2		1/2			1/2		1/2		1/2
3/4	68,965	3/4	54,305	3/4	39,808	3/4	24,848	3/4	9,752	3/4		3/4			3/4		3/4		3/4
10	68,651	10	54,003	10	39,507	10	24,533	10	9,438	10		10			10		10		10
1/4	68,336	1/4	53,700	1/4	39,204	1/4	24,219	1/4	9,123	1/4		1/4			1/4		1/4		1/4
1/2	68,022	1/2	53,397	1/2	38,902	1/2	23,904	1/2	8,809	1/2		1/2			1/2		1/2		1/2
3/4	67,707	3/4	53,095	3/4	38,600	3/4	23,590	3/4	8,494	3/4		3/4			3/4		3/4		3/4
11	67,393	11	52,792	11	38,298	11	23,275	11	8,180	11		11			11		11		11
1/4	67,078	1/4	52,489	1/4	37,995	1/4	22,961	1/4	7,865	1/4		1/4			1/4		1/4		1/4
1/2	66,764	1/2	52,186	1/2	37,692	1/2	22,646	1/2	7,551	1/2		1/2			1/2		1/2		1/2
3/4	66,449	3/4	51,884	3/4	37,390	3/4	22,332	3/4	7,236	3/4		3/4			3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/18/2019 CL
CALCULATED: 11/19/2019 CL
PRINTED: 11/19/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 3028"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	202,952	0	187,919	0	172,866	0	157,781	0	142,697	0	127,612	0	112,527	0	97,436		
1/4	1/4	1/4	202,639	1/4	187,606	1/4	172,552	1/4	157,467	1/4	142,382	1/4	127,298	1/4	112,213	1/4	97,122		
1/2	1/2	1/2	202,326	1/2	187,292	1/2	172,238	1/2	157,153	1/2	142,068	1/2	126,984	1/2	111,899	1/2	96,807		
3/4	3/4	3/4	202,013	3/4	186,979	3/4	171,923	3/4	156,839	3/4	141,754	3/4	126,669	3/4	111,585	3/4	96,493		
1	1	1	201,699	1	186,666	1	171,609	1	156,524	1	141,440	1	126,355	1	111,270	1	96,178		
1/4	1/4	1/4	201,386	1/4	186,353	1/4	171,295	1/4	156,210	1/4	141,125	1/4	126,041	1/4	110,956	1/4	95,864		
1/2	1/2	1/2	201,073	1/2	186,040	1/2	170,980	1/2	155,896	1/2	140,811	1/2	125,726	1/2	110,642	1/2	95,550		
3/4	3/4	3/4	200,760	3/4	185,726	3/4	170,666	3/4	155,582	3/4	140,497	3/4	125,412	3/4	110,327	3/4	95,235		
2	2	2	214,389	2	200,447	2	185,413	2	170,352	2	155,267	2	140,183	2	125,098	2	110,013	2	94,921
1/4	1/4	1/4	214,210	1/4	200,133	1/4	185,100	1/4	170,038	1/4	154,953	1/4	139,868	1/4	124,784	1/4	109,699	1/4	94,606
1/2	1/2	1/2	214,031	1/2	199,820	1/2	184,787	1/2	169,723	1/2	154,639	1/2	139,554	1/2	124,469	1/2	109,384	1/2	94,292
3/4	3/4	3/4	213,852	3/4	199,507	3/4	184,474	3/4	169,409	3/4	154,324	3/4	139,240	3/4	124,155	3/4	109,070	3/4	93,978
3	3	3	213,672	3	199,194	3	184,160	3	169,095	3	154,010	3	138,926	3	123,841	3	108,755	3	93,663
1/4	1/4	1/4	213,441	1/4	198,881	1/4	183,847	1/4	168,781	1/4	153,696	1/4	138,611	1/4	123,527	1/4	108,441	1/4	93,349
1/2	1/2	1/2	213,209	1/2	198,567	1/2	183,534	1/2	168,466	1/2	153,382	1/2	138,297	1/2	123,212	1/2	108,126	1/2	93,034
3/4	3/4	3/4	212,977	3/4	198,254	3/4	183,221	3/4	168,152	3/4	153,067	3/4	137,983	3/4	122,898	3/4	107,812	3/4	92,720
4	4	4	212,746	4	197,941	4	182,908	4	167,838	4	152,753	4	137,669	4	122,584	4	107,498	4	92,405
1/4	1/4	1/4	212,466	1/4	197,628	1/4	182,594	1/4	167,524	1/4	152,439	1/4	137,354	1/4	122,270	1/4	107,183	1/4	92,091
1/2	1/2	1/2	212,185	1/2	197,315	1/2	182,281	1/2	167,209	1/2	152,125	1/2	137,040	1/2	121,955	1/2	106,869	1/2	91,777
3/4	3/4	3/4	211,905	3/4	197,001	3/4	181,968	3/4	166,895	3/4	151,810	3/4	136,726	3/4	121,641	3/4	106,554	3/4	91,462
5	5	5	211,625	5	196,688	5	181,655	5	166,581	5	151,496	5	136,411	5	121,327	5	106,240	5	91,148
1/4	1/4	1/4	211,319	1/4	196,375	1/4	181,342	1/4	166,267	1/4	151,182	1/4	136,097	1/4	121,013	1/4	105,926	1/4	90,833
1/2	1/2	1/2	211,013	1/2	196,062	1/2	181,028	1/2	165,952	1/2	150,868	1/2	135,783	1/2	120,698	1/2	105,611	1/2	90,519
3/4	3/4	3/4	210,707	3/4	195,749	3/4	180,715	3/4	165,638	3/4	150,553	3/4	135,469	3/4	120,384	3/4	105,297	3/4	90,204
6	6	6	210,401	6	195,435	6	180,402	6	165,324	6	150,239	6	135,154	6	120,070	6	104,982	6	89,890
1/4	1/4	1/4	210,091	1/4	195,122	1/4	180,089	1/4	165,009	1/4	149,925	1/4	134,840	1/4	119,755	1/4	104,668	1/4	89,576
1/2	1/2	1/2	209,781	1/2	194,809	1/2	179,776	1/2	164,695	1/2	149,611	1/2	134,526	1/2	119,441	1/2	104,353	1/2	89,261
3/4	3/4	3/4	209,471	3/4	194,496	3/4	179,462	3/4	164,381	3/4	149,296	3/4	134,212	3/4	119,127	3/4	104,039	3/4	88,947
7	7	7	209,162	7	194,183	7	179,149	7	164,067	7	148,982	7	133,897	7	118,813	7	103,725	7	88,632
1/4	1/4	1/4	208,851	1/4	193,869	1/4	178,835	1/4	163,752	1/4	148,668	1/4	133,583	1/4	118,498	1/4	103,410	1/4	88,318
1/2	1/2	1/2	208,541	1/2	193,556	1/2	178,522	1/2	163,438	1/2	148,353	1/2	133,269	1/2	118,184	1/2	103,096	1/2	88,003
3/4	3/4	3/4	208,231	3/4	193,243	3/4	178,208	3/4	163,124	3/4	148,039	3/4	132,955	3/4	117,870	3/4	102,781	3/4	87,689
8	8	8	207,921	8	192,930	8	177,894	8	162,810	8	147,725	8	132,640	8	117,556	8	102,467	8	87,375
1/4	1/4	1/4	207,611	1/4	192,617	1/4	177,580	1/4	162,495	1/4	147,411	1/4	132,326	1/4	117,241	1/4	102,152	1/4	87,060
1/2	1/2	1/2	207,300	1/2	192,303	1/2	177,266	1/2	162,181	1/2	147,096	1/2	132,012	1/2	116,927	1/2	101,838	1/2	86,746
3/4	3/4	3/4	206,990	3/4	191,990	3/4	176,951	3/4	161,867	3/4	146,782	3/4	131,698	3/4	116,613	3/4	101,524	3/4	86,431
9	9	9	206,680	9	191,677	9	176,637	9	161,553	9	146,468	9	131,383	9	116,299	9	101,209	9	86,117
1/4	1/4	1/4	206,370	1/4	191,364	1/4	176,323	1/4	161,238	1/4	146,154	1/4	131,069	1/4	115,984	1/4	100,895	1/4	85,803
1/2	1/2	1/2	206,060	1/2	191,051	1/2	176,009	1/2	160,924	1/2	145,839	1/2	130,755	1/2	115,670	1/2	100,580	1/2	85,488
3/4	3/4	3/4	205,749	3/4	190,738	3/4	175,694	3/4	160,610	3/4	145,525	3/4	130,440	3/4	115,356	3/4	100,266	3/4	85,174
10	10	10	205,439	10	190,424	10	175,380	10	160,296	10	145,211	10	130,126	10	115,042	10	99,952	10	84,859
1/4	1/4	1/4	205,129	1/4	190,111	1/4	175,066	1/4	159,981	1/4	144,897	1/4	129,812	1/4	114,727	1/4	99,637	1/4	84,545
1/2	1/2	1/2	204,819	1/2	189,798	1/2	174,752	1/2	159,667	1/2	144,582	1/2	129,498	1/2	114,413	1/2	99,323	1/2	84,230
3/4	3/4	3/4	204,509	3/4	189,485	3/4	174,437	3/4	159,353	3/4	144,268	3/4	129,183	3/4	114,099	3/4	99,008	3/4	83,916
11	11	11	204,199	11	189,172	11	174,123	11	159,038	11	143,954	11	128,869	11	113,784	11	98,694	11	83,602
1/4	1/4	1/4	203,887	1/4	188,858	1/4	173,809	1/4	158,724	1/4	143,640	1/4	128,555	1/4	113,470	1/4	98,379	1/4	83,287
1/2	1/2	1/2	203,576	1/2	188,545	1/2	173,495	1/2	158,410	1/2	143,325	1/2	128,241	1/2	113,156	1/2	98,065	1/2	82,973
3/4	3/4	3/4	203,264	3/4	188,232	3/4	173,180	3/4	158,096	3/4	143,011	3/4	127,926	3/4	112,842	3/4	97,751	3/4	82,658

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 3028"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	82,344	0	67,252	0	52,159	0	37,103	0	22,013	0	6,921	0		0		0		0	
1/4	82,029	1/4	66,937	1/4	51,845	1/4	36,788	1/4	21,698	1/4	6,606	1/4		1/4		1/4		1/4	
1/2	81,715	1/2	66,623	1/2	51,531	1/2	36,474	1/2	21,384	1/2	6,292	1/2		1/2		1/2		1/2	
3/4	81,401	3/4	66,308	3/4	51,217	3/4	36,159	3/4	21,070	3/4	5,977	3/4		3/4		3/4		3/4	
1	81,086	1	65,994	1	50,903	1	35,845	1	20,755	1	5,663	1		1		1		1	
1/4	80,772	1/4	65,680	1/4	50,589	1/4	35,531	1/4	20,441	1/4	5,349	1/4		1/4		1/4		1/4	
1/2	80,457	1/2	65,365	1/2	50,276	1/2	35,216	1/2	20,126	1/2	5,035	1/2		1/2		1/2		1/2	
3/4	80,143	3/4	65,051	3/4	49,962	3/4	34,902	3/4	19,812	3/4	4,721	3/4		3/4		3/4		3/4	
2	79,829	2	64,736	2	49,648	2	34,587	2	19,497	2	4,406	2		2		2		2	
1/4	79,514	1/4	64,422	1/4	49,335	1/4	34,273	1/4	19,183	1/4	4,093	1/4		1/4		1/4		1/4	
1/2	79,200	1/2	64,107	1/2	49,021	1/2	33,958	1/2	18,869	1/2	3,779	1/2		1/2		1/2		1/2	
3/4	78,885	3/4	63,793	3/4	48,708	3/4	33,644	3/4	18,554	3/4	3,466	3/4		3/4		3/4		3/4	
3	78,571	3	63,479	3	48,394	3	33,330	3	18,240	3	3,153	3		3		3		3	
1/4	78,256	1/4	63,164	1/4	48,080	1/4	33,015	1/4	17,925	1/4	2,859	1/4		1/4		1/4		1/4	
1/2	77,942	1/2	62,850	1/2	47,767	1/2	32,701	1/2	17,611	1/2	2,565	1/2		1/2		1/2		1/2	
3/4	77,628	3/4	62,535	3/4	47,453	3/4	32,386	3/4	17,296	3/4	2,271	3/4		3/4		3/4		3/4	
4	77,313	4	62,221	4	47,140	4	32,072	4	16,982	4	1,977	4		4		4		4	
1/4	76,999	1/4	61,907	1/4	46,826	1/4	31,758	1/4	16,668	1/4	1,741	1/4		1/4		1/4		1/4	
1/2	76,684	1/2	61,592	1/2	46,513	1/2	31,443	1/2	16,353	1/2	1,505	1/2		1/2		1/2		1/2	
3/4	76,370	3/4	61,278	3/4	46,199	3/4	31,129	3/4	16,039	3/4	1,269	3/4		3/4		3/4		3/4	
5	76,055	5	60,963	5	45,886	5	30,814	5	15,724	5	1,034	5		5		5		5	
1/4	75,741	1/4	60,649	1/4	45,572	1/4	30,500	1/4	15,410	1/4		1/4		1/4		1/4		1/4	
1/2	75,427	1/2	60,334	1/2	45,259	1/2	30,186	1/2	15,096	1/2		1/2		1/2		1/2		1/2	
3/4	75,112	3/4	60,020	3/4	44,946	3/4	29,871	3/4	14,781	3/4		3/4		3/4		3/4		3/4	
6	74,798	6	59,706	6	44,632	6	29,557	6	14,467	6		6		6		6		6	
1/4	74,483	1/4	59,391	1/4	44,319	1/4	29,243	1/4	14,152	1/4		1/4		1/4		1/4		1/4	
1/2	74,169	1/2	59,077	1/2	44,005	1/2	28,928	1/2	13,838	1/2		1/2		1/2		1/2		1/2	
3/4	73,855	3/4	58,762	3/4	43,692	3/4	28,614	3/4	13,523	3/4		3/4		3/4		3/4		3/4	
7	73,540	7	58,448	7	43,378	7	28,300	7	13,209	7		7		7		7		7	
1/4	73,226	1/4	58,133	1/4	43,065	1/4	27,986	1/4	12,895	1/4		1/4		1/4		1/4		1/4	
1/2	72,911	1/2	57,819	1/2	42,751	1/2	27,672	1/2	12,580	1/2		1/2		1/2		1/2		1/2	
3/4	72,597	3/4	57,505	3/4	42,438	3/4	27,357	3/4	12,266	3/4		3/4		3/4		3/4		3/4	
8	72,282	8	57,190	8	42,124	8	27,043	8	11,951	8		8		8		8		8	
1/4	71,968	1/4	56,876	1/4	41,811	1/4	26,729	1/4	11,637	1/4		1/4		1/4		1/4		1/4	
1/2	71,654	1/2	56,561	1/2	41,497	1/2	26,415	1/2	11,322	1/2		1/2		1/2		1/2		1/2	
3/4	71,339	3/4	56,247	3/4	41,184	3/4	26,100	3/4	11,008	3/4		3/4		3/4		3/4		3/4	
9	71,025	9	55,932	9	40,870	9	25,786	9	10,694	9		9		9		9		9	
1/4	70,710	1/4	55,618	1/4	40,557	1/4	25,471	1/4	10,379	1/4		1/4		1/4		1/4		1/4	
1/2	70,396	1/2	55,304	1/2	40,243	1/2	25,157	1/2	10,065	1/2		1/2		1/2		1/2		1/2	
3/4	70,081	3/4	54,989	3/4	39,930	3/4	24,843	3/4	9,750	3/4		3/4		3/4		3/4		3/4	
10	69,767	10	54,675	10	39,616	10	24,528	10	9,436	10		10		10		10		10	
1/4	69,453	1/4	54,360	1/4	39,302	1/4	24,214	1/4	9,122	1/4		1/4		1/4		1/4		1/4	
1/2	69,138	1/2	54,046	1/2	38,988	1/2	23,899	1/2	8,807	1/2		1/2		1/2		1/2		1/2	
3/4	68,824	3/4	53,732	3/4	38,674	3/4	23,585	3/4	8,493	3/4		3/4		3/4		3/4		3/4	
11	68,509	11	53,417	11	38,360	11	23,270	11	8,178	11		11		11		11		11	
1/4	68,195	1/4	53,103	1/4	38,046	1/4	22,956	1/4	7,864	1/4		1/4		1/4		1/4		1/4	
1/2	67,881	1/2	52,788	1/2	37,731	1/2	22,642	1/2	7,549	1/2		1/2		1/2		1/2		1/2	
3/4	67,566	3/4	52,474	3/4	37,417	3/4	22,327	3/4	7,235	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/18/2019 CL
CALCULATED: 11/19/2019 CL
PRINTED: 11/19/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "HSM 3028"

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	183,995	0	173,668	0	163,327	0	152,964	0	140,903	0	125,945	0	110,986	0	96,014		
1/4	1/4	1/4	183,780	1/4	173,453	1/4	163,112	1/4	152,748	1/4	140,592	1/4	125,633	1/4	110,675	1/4	95,702		
1/2	1/2	1/2	183,565	1/2	173,238	1/2	162,896	1/2	152,532	1/2	140,280	1/2	125,322	1/2	110,363	1/2	95,391		
3/4	3/4	3/4	183,350	3/4	173,023	3/4	162,680	3/4	152,316	3/4	139,968	3/4	125,010	3/4	110,051	3/4	95,079		
1	1	1	183,135	1	172,808	1	162,464	1	152,100	1	139,657	1	124,698	1	109,740	1	94,767		
1/4	1/4	1/4	182,920	1/4	172,593	1/4	162,248	1/4	151,884	1/4	139,345	1/4	124,387	1/4	109,428	1/4	94,455		
1/2	1/2	1/2	182,704	1/2	172,377	1/2	162,032	1/2	151,668	1/2	139,034	1/2	124,075	1/2	109,116	1/2	94,143		
3/4	3/4	3/4	182,489	3/4	172,162	3/4	161,816	3/4	151,453	3/4	138,722	3/4	123,763	3/4	108,805	3/4	93,832		
2	2	2	191,910	2	182,274	2	171,947	2	161,600	2	151,237	2	138,410	2	123,452	2	108,493	2	93,520
1/4	1/4	1/4	191,786	1/4	182,059	1/4	171,732	1/4	161,384	1/4	151,021	1/4	138,099	1/4	123,140	1/4	108,181	1/4	93,208
1/2	1/2	1/2	191,662	1/2	181,844	1/2	171,517	1/2	161,168	1/2	150,805	1/2	137,787	1/2	122,828	1/2	107,870	1/2	92,896
3/4	3/4	3/4	191,539	3/4	181,629	3/4	171,302	3/4	160,953	3/4	150,589	3/4	137,475	3/4	122,517	3/4	107,558	3/4	92,584
3	3	3	191,415	3	181,414	3	171,087	3	160,737	3	150,373	3	137,164	3	122,205	3	107,246	3	92,273
1/4	1/4	1/4	191,256	1/4	181,198	1/4	170,871	1/4	160,521	1/4	150,157	1/4	136,852	1/4	121,894	1/4	106,934	1/4	91,961
1/2	1/2	1/2	191,096	1/2	180,983	1/2	170,656	1/2	160,305	1/2	149,941	1/2	136,540	1/2	121,582	1/2	106,622	1/2	91,649
3/4	3/4	3/4	190,937	3/4	180,768	3/4	170,441	3/4	160,089	3/4	149,725	3/4	136,229	3/4	121,270	3/4	106,310	3/4	91,337
4	4	4	190,777	4	180,553	4	170,226	4	159,873	4	149,509	4	135,917	4	120,959	4	105,998	4	91,025
1/4	1/4	1/4	190,584	1/4	180,338	1/4	170,011	1/4	159,657	1/4	149,290	1/4	135,606	1/4	120,647	1/4	105,686	1/4	90,714
1/2	1/2	1/2	190,391	1/2	180,123	1/2	169,796	1/2	159,441	1/2	149,071	1/2	135,294	1/2	120,335	1/2	105,374	1/2	90,402
3/4	3/4	3/4	190,198	3/4	179,908	3/4	169,580	3/4	159,225	3/4	148,851	3/4	134,982	3/4	120,024	3/4	105,062	3/4	90,090
5	5	5	190,005	5	179,692	5	169,365	5	159,009	5	148,632	5	134,671	5	119,712	5	104,750	5	89,778
1/4	1/4	1/4	189,793	1/4	179,477	1/4	169,150	1/4	158,793	1/4	148,401	1/4	134,359	1/4	119,400	1/4	104,438	1/4	89,466
1/2	1/2	1/2	189,582	1/2	179,262	1/2	168,935	1/2	158,578	1/2	148,170	1/2	134,047	1/2	119,089	1/2	104,126	1/2	89,155
3/4	3/4	3/4	189,370	3/4	179,047	3/4	168,720	3/4	158,362	3/4	147,939	3/4	133,736	3/4	118,777	3/4	103,814	3/4	88,843
6	6	6	189,159	6	178,832	6	168,505	6	158,146	6	147,708	6	133,424	6	118,466	6	103,502	6	88,531
1/4	1/4	1/4	188,944	1/4	178,617	1/4	168,290	1/4	157,930	1/4	147,461	1/4	133,112	1/4	118,154	1/4	103,190	1/4	88,219
1/2	1/2	1/2	188,729	1/2	178,402	1/2	168,074	1/2	157,714	1/2	147,214	1/2	132,801	1/2	117,842	1/2	102,878	1/2	87,907
3/4	3/4	3/4	188,514	3/4	178,186	3/4	167,859	3/4	157,498	3/4	146,966	3/4	132,489	3/4	117,531	3/4	102,566	3/4	87,595
7	7	7	188,299	7	177,971	7	167,644	7	157,282	7	146,719	7	132,178	7	117,219	7	102,254	7	87,283
1/4	1/4	1/4	188,084	1/4	177,756	1/4	167,429	1/4	157,066	1/4	146,457	1/4	131,866	1/4	116,907	1/4	101,942	1/4	86,971
1/2	1/2	1/2	187,869	1/2	177,541	1/2	167,213	1/2	156,850	1/2	146,194	1/2	131,554	1/2	116,596	1/2	101,630	1/2	86,659
3/4	3/4	3/4	187,654	3/4	177,326	3/4	166,998	3/4	156,634	3/4	145,931	3/4	131,243	3/4	116,284	3/4	101,318	3/4	86,347
8	8	8	187,438	8	177,111	8	166,782	8	156,418	8	145,668	8	130,931	8	115,972	8	101,006	8	86,035
1/4	1/4	1/4	187,223	1/4	176,896	1/4	166,566	1/4	156,203	1/4	145,390	1/4	130,619	1/4	115,661	1/4	100,694	1/4	85,723
1/2	1/2	1/2	187,008	1/2	176,680	1/2	166,350	1/2	155,987	1/2	145,111	1/2	130,308	1/2	115,349	1/2	100,381	1/2	85,411
3/4	3/4	3/4	186,793	3/4	176,465	3/4	166,134	3/4	155,771	3/4	144,833	3/4	129,996	3/4	115,038	3/4	100,069	3/4	85,098
9	9	9	186,577	9	176,250	9	165,918	9	155,555	9	144,554	9	129,684	9	114,726	9	99,757	9	84,786
1/4	1/4	1/4	186,362	1/4	176,035	1/4	165,702	1/4	155,339	1/4	144,260	1/4	129,373	1/4	114,414	1/4	99,445	1/4	84,474
1/2	1/2	1/2	186,147	1/2	175,820	1/2	165,487	1/2	155,123	1/2	143,965	1/2	129,061	1/2	114,103	1/2	99,133	1/2	84,162
3/4	3/4	3/4	185,932	3/4	175,605	3/4	165,271	3/4	154,907	3/4	143,671	3/4	128,750	3/4	113,791	3/4	98,821	3/4	83,850
10	10	10	185,717	10	175,389	10	165,055	10	154,691	10	143,376	10	128,438	10	113,479	10	98,509	10	83,538
1/4	1/4	1/4	185,501	1/4	175,174	1/4	164,839	1/4	154,475	1/4	143,069	1/4	128,126	1/4	113,168	1/4	98,197	1/4	83,226
1/2	1/2	1/2	185,286	1/2	174,959	1/2	164,623	1/2	154,259	1/2	142,762	1/2	127,815	1/2	112,856	1/2	97,885	1/2	82,914
3/4	3/4	3/4	185,071	3/4	174,744	3/4	164,407	3/4	154,043	3/4	142,455	3/4	127,503	3/4	112,545	3/4	97,573	3/4	82,602
11	11	11	184,856	11	174,529	11	164,191	11	153,828	11	142,148	11	127,191	11	112,233	11	97,261	11	82,289
1/4	1/4	1/4	184,641	1/4	174,314	1/4	163,975	1/4	153,612	1/4	141,837	1/4	126,880	1/4	111,921	1/4	96,950	1/4	81,977
1/2	1/2	1/2	184,426	1/2	174,099	1/2	163,759	1/2	153,396	1/2	141,526	1/2	126,568	1/2	111,610	1/2	96,638	1/2	81,665
3/4	3/4	3/4	184,211	3/4	173,883	3/4	163,543	3/4	153,180	3/4	141,214	3/4	126,256	3/4	111,298	3/4	96,326	3/4	81,353

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 3028"

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	81,041	0	66,134	0	51,405	0	36,834	0	21,870	0	6,880	0		0		0		0	
1/4	80,729	1/4	65,824	1/4	51,103	1/4	36,526	1/4	21,558	1/4	6,568	1/4		1/4		1/4		1/4	
1/2	80,417	1/2	65,514	1/2	50,800	1/2	36,218	1/2	21,246	1/2	6,256	1/2		1/2		1/2		1/2	
3/4	80,105	3/4	65,204	3/4	50,498	3/4	35,910	3/4	20,934	3/4	5,943	3/4		3/4		3/4		3/4	
1	79,792	1	64,893	1	50,196	1	35,602	1	20,622	1	5,631	1		1		1		1	
1/4	79,480	1/4	64,583	1/4	49,893	1/4	35,290	1/4	20,309	1/4	5,319	1/4		1/4		1/4		1/4	
1/2	79,168	1/2	64,273	1/2	49,591	1/2	34,979	1/2	19,997	1/2	5,006	1/2		1/2		1/2		1/2	
3/4	78,856	3/4	63,963	3/4	49,289	3/4	34,667	3/4	19,685	3/4	4,694	3/4		3/4		3/4		3/4	
2	78,544	2	63,653	2	48,987	2	34,355	2	19,373	2	4,382	2		2		2		2	
1/4	78,233	1/4	63,342	1/4	48,684	1/4	34,043	1/4	19,061	1/4	4,070	1/4		1/4		1/4		1/4	
1/2	77,922	1/2	63,031	1/2	48,382	1/2	33,731	1/2	18,749	1/2	3,758	1/2		1/2		1/2		1/2	
3/4	77,611	3/4	62,720	3/4	48,080	3/4	33,419	3/4	18,436	3/4	3,447	3/4		3/4		3/4		3/4	
3	77,299	3	62,409	3	47,777	3	33,107	3	18,124	3	3,135	3		3		3		3	
1/4	76,989	1/4	62,097	1/4	47,475	1/4	32,795	1/4	17,812	1/4	2,843	1/4		1/4		1/4		1/4	
1/2	76,679	1/2	61,785	1/2	47,173	1/2	32,482	1/2	17,500	1/2	2,550	1/2		1/2		1/2		1/2	
3/4	76,369	3/4	61,473	3/4	46,871	3/4	32,170	3/4	17,188	3/4	2,258	3/4		3/4		3/4		3/4	
4	76,059	4	61,162	4	46,570	4	31,858	4	16,875	4	1,966	4		4		4		4	
1/4	75,749	1/4	60,850	1/4	46,268	1/4	31,546	1/4	16,563	1/4	1,731	1/4		1/4		1/4		1/4	
1/2	75,439	1/2	60,538	1/2	45,966	1/2	31,234	1/2	16,251	1/2	1,497	1/2		1/2		1/2		1/2	
3/4	75,128	3/4	60,226	3/4	45,665	3/4	30,922	3/4	15,939	3/4	1,262	3/4		3/4		3/4		3/4	
5	74,818	5	59,914	5	45,363	5	30,609	5	15,627	5	1,028	5		5		5		5	
1/4	74,508	1/4	59,606	1/4	45,060	1/4	30,297	1/4	15,315	1/4		1/4		1/4		1/4		1/4	
1/2	74,198	1/2	59,297	1/2	44,757	1/2	29,985	1/2	15,002	1/2		1/2		1/2		1/2		1/2	
3/4	73,888	3/4	58,988	3/4	44,454	3/4	29,673	3/4	14,690	3/4		3/4		3/4		3/4		3/4	
6	73,578	6	58,680	6	44,151	6	29,361	6	14,378	6		6		6		6		6	
1/4	73,268	1/4	58,374	1/4	43,846	1/4	29,049	1/4	14,066	1/4		1/4		1/4		1/4		1/4	
1/2	72,957	1/2	58,069	1/2	43,541	1/2	28,737	1/2	13,754	1/2		1/2		1/2		1/2		1/2	
3/4	72,647	3/4	57,763	3/4	43,236	3/4	28,425	3/4	13,442	3/4		3/4		3/4		3/4		3/4	
7	72,337	7	57,458	7	42,931	7	28,113	7	13,129	7		7		7		7		7	
1/4	72,027	1/4	57,154	1/4	42,626	1/4	27,801	1/4	12,817	1/4		1/4		1/4		1/4		1/4	
1/2	71,717	1/2	56,850	1/2	42,321	1/2	27,489	1/2	12,505	1/2		1/2		1/2		1/2		1/2	
3/4	71,407	3/4	56,546	3/4	42,017	3/4	27,177	3/4	12,193	3/4		3/4		3/4		3/4		3/4	
8	71,096	8	56,242	8	41,712	8	26,865	8	11,881	8		8		8		8		8	
1/4	70,786	1/4	55,940	1/4	41,407	1/4	26,553	1/4	11,568	1/4		1/4		1/4		1/4		1/4	
1/2	70,476	1/2	55,638	1/2	41,102	1/2	26,241	1/2	11,256	1/2		1/2		1/2		1/2		1/2	
3/4	70,166	3/4	55,335	3/4	40,797	3/4	25,929	3/4	10,943	3/4		3/4		3/4		3/4		3/4	
9	69,856	9	55,033	9	40,492	9	25,616	9	10,631	9		9		9		9		9	
1/4	69,546	1/4	54,731	1/4	40,188	1/4	25,304	1/4	10,318	1/4		1/4		1/4		1/4		1/4	
1/2	69,236	1/2	54,428	1/2	39,883	1/2	24,992	1/2	10,006	1/2		1/2		1/2		1/2		1/2	
3/4	68,925	3/4	54,126	3/4	39,578	3/4	24,680	3/4	9,693	3/4		3/4		3/4		3/4		3/4	
10	68,615	10	53,824	10	39,273	10	24,368	10	9,380	10		10		10		10		10	
1/4	68,305	1/4	53,521	1/4	38,968	1/4	24,056	1/4	9,068	1/4		1/4		1/4		1/4		1/4	
1/2	67,995	1/2	53,219	1/2	38,663	1/2	23,743	1/2	8,755	1/2		1/2		1/2		1/2		1/2	
3/4	67,685	3/4	52,917	3/4	38,358	3/4	23,431	3/4	8,443	3/4		3/4		3/4		3/4		3/4	
11	67,375	11	52,614	11	38,054	11	23,119	11	8,130	11		11		11		11		11	
1/4	67,064	1/4	52,312	1/4	37,749	1/4	22,807	1/4	7,818	1/4		1/4		1/4		1/4		1/4	
1/2	66,754	1/2	52,010	1/2	37,444	1/2	22,495	1/2	7,505	1/2		1/2		1/2		1/2		1/2	
3/4	66,444	3/4	51,707	3/4	37,139	3/4	22,183	3/4	7,193	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/18/2019 CL
CALCULATED: 11/19/2019 CL
PRINTED: 11/19/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "HSM 3028"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-04 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	184,852	0	174,523	0	164,179	0	153,813	0	141,640	0	126,646	0	111,651	0	96,641		
1/4	1/4	1/4	184,637	1/4	174,308	1/4	163,963	1/4	153,597	1/4	141,328	1/4	126,333	1/4	111,339	1/4	96,328		
1/2	1/2	1/2	184,422	1/2	174,092	1/2	163,747	1/2	153,381	1/2	141,016	1/2	126,021	1/2	111,026	1/2	96,015		
3/4	3/4	3/4	184,207	3/4	173,877	3/4	163,531	3/4	153,165	3/4	140,703	3/4	125,709	3/4	110,714	3/4	95,703		
1	1	1	183,991	1	173,662	1	163,315	1	152,949	1	140,391	1	125,396	1	110,402	1	95,390		
1/4	1/4	1/4	183,776	1/4	173,447	1/4	163,099	1/4	152,733	1/4	140,079	1/4	125,084	1/4	110,089	1/4	95,077		
1/2	1/2	1/2	183,561	1/2	173,232	1/2	162,883	1/2	152,517	1/2	139,766	1/2	124,771	1/2	109,777	1/2	94,764		
3/4	3/4	3/4	192,983	3/4	183,346	3/4	173,016	3/4	162,667	3/4	152,302	3/4	139,454	3/4	124,459	3/4	109,464	3/4	94,451
2	2	2	192,860	2	183,131	2	172,801	2	162,451	2	152,086	2	139,141	2	124,147	2	109,152	2	94,139
1/4	1/4	1/4	192,736	1/4	182,915	1/4	172,586	1/4	162,235	1/4	151,870	1/4	138,829	1/4	123,834	1/4	108,839	1/4	93,826
1/2	1/2	1/2	192,613	1/2	182,700	1/2	172,371	1/2	162,019	1/2	151,654	1/2	138,517	1/2	123,522	1/2	108,527	1/2	93,513
3/4	3/4	3/4	192,489	3/4	182,485	3/4	172,156	3/4	161,804	3/4	151,438	3/4	138,204	3/4	123,210	3/4	108,214	3/4	93,200
3	3	3	192,329	3	182,270	3	171,941	3	161,588	3	151,222	3	137,892	3	122,897	3	107,902	3	92,887
1/4	1/4	1/4	192,170	1/4	182,055	1/4	171,725	1/4	161,372	1/4	151,006	1/4	137,579	1/4	122,585	1/4	107,589	1/4	92,575
1/2	1/2	1/2	192,010	1/2	181,839	1/2	171,510	1/2	161,156	1/2	150,790	1/2	137,267	1/2	122,272	1/2	107,276	1/2	92,262
3/4	3/4	3/4	191,850	3/4	181,624	3/4	171,295	3/4	160,940	3/4	150,574	3/4	136,955	3/4	121,960	3/4	106,964	3/4	91,949
4	4	4	191,657	4	181,409	4	171,080	4	160,724	4	150,354	4	136,642	4	121,648	4	106,651	4	91,636
1/4	1/4	1/4	191,464	1/4	181,194	1/4	170,865	1/4	160,508	1/4	150,135	1/4	136,330	1/4	121,335	1/4	106,338	1/4	91,323
1/2	1/2	1/2	191,271	1/2	180,979	1/2	170,649	1/2	160,292	1/2	149,915	1/2	136,017	1/2	121,023	1/2	106,025	1/2	91,011
3/4	3/4	3/4	191,078	3/4	180,763	3/4	170,434	3/4	160,076	3/4	149,696	3/4	135,705	3/4	120,710	3/4	105,712	3/4	90,698
5	5	5	190,867	5	180,548	5	170,219	5	159,860	5	149,465	5	135,393	5	120,398	5	105,400	5	90,385
1/4	1/4	1/4	190,655	1/4	180,333	1/4	170,004	1/4	159,644	1/4	149,234	1/4	135,080	1/4	120,086	1/4	105,087	1/4	90,072
1/2	1/2	1/2	190,444	1/2	180,118	1/2	169,789	1/2	159,428	1/2	149,002	1/2	134,768	1/2	119,773	1/2	104,774	1/2	89,759
3/4	3/4	3/4	190,232	3/4	179,903	3/4	169,573	3/4	159,212	3/4	148,771	3/4	134,456	3/4	119,461	3/4	104,461	3/4	89,447
6	6	6	190,017	6	179,688	6	169,358	6	158,996	6	148,524	6	134,143	6	119,148	6	104,148	6	89,134
1/4	1/4	1/4	189,802	1/4	179,472	1/4	169,143	1/4	158,780	1/4	148,277	1/4	133,831	1/4	118,836	1/4	103,836	1/4	88,821
1/2	1/2	1/2	189,587	1/2	179,257	1/2	168,928	1/2	158,564	1/2	148,030	1/2	133,518	1/2	118,524	1/2	103,523	1/2	88,508
3/4	3/4	3/4	189,372	3/4	179,042	3/4	168,713	3/4	158,348	3/4	147,782	3/4	133,206	3/4	118,211	3/4	103,210	3/4	88,195
7	7	7	189,157	7	178,827	7	168,497	7	158,132	7	147,519	7	132,894	7	117,899	7	102,897	7	87,883
1/4	1/4	1/4	188,942	1/4	178,612	1/4	168,281	1/4	157,916	1/4	147,256	1/4	132,581	1/4	117,587	1/4	102,584	1/4	87,570
1/2	1/2	1/2	188,726	1/2	178,396	1/2	168,066	1/2	157,700	1/2	146,993	1/2	132,269	1/2	117,274	1/2	102,272	1/2	87,257
3/4	3/4	3/4	188,511	3/4	178,181	3/4	167,850	3/4	157,484	3/4	146,729	3/4	131,956	3/4	116,962	3/4	101,959	3/4	86,944
8	8	8	188,296	8	177,966	8	167,634	8	157,268	8	146,450	8	131,644	8	116,649	8	101,646	8	86,631
1/4	1/4	1/4	188,081	1/4	177,751	1/4	167,418	1/4	157,053	1/4	146,171	1/4	131,332	1/4	116,337	1/4	101,333	1/4	86,318
1/2	1/2	1/2	187,865	1/2	177,536	1/2	167,202	1/2	156,837	1/2	145,892	1/2	131,019	1/2	116,025	1/2	101,020	1/2	86,006
3/4	3/4	3/4	187,650	3/4	177,320	3/4	166,986	3/4	156,621	3/4	145,613	3/4	130,707	3/4	115,712	3/4	100,708	3/4	85,693
9	9	9	187,435	9	177,105	9	166,771	9	156,405	9	145,317	9	130,394	9	115,400	9	100,395	9	85,380
1/4	1/4	1/4	187,219	1/4	176,890	1/4	166,555	1/4	156,189	1/4	145,022	1/4	130,082	1/4	115,087	1/4	100,082	1/4	85,067
1/2	1/2	1/2	187,004	1/2	176,675	1/2	166,339	1/2	155,973	1/2	144,727	1/2	129,770	1/2	114,775	1/2	99,769	1/2	84,754
3/4	3/4	3/4	186,789	3/4	176,460	3/4	166,123	3/4	155,757	3/4	144,432	3/4	129,457	3/4	114,463	3/4	99,456	3/4	84,442
10	10	10	186,574	10	176,244	10	165,907	10	155,541	10	144,124	10	129,145	10	114,150	10	99,143	10	84,129
1/4	1/4	1/4	186,359	1/4	176,029	1/4	165,691	1/4	155,325	1/4	143,816	1/4	128,833	1/4	113,838	1/4	98,831	1/4	83,816
1/2	1/2	1/2	186,143	1/2	175,814	1/2	165,475	1/2	155,109	1/2	143,509	1/2	128,520	1/2	113,526	1/2	98,518	1/2	83,503
3/4	3/4	3/4	185,928	3/4	175,599	3/4	165,259	3/4	154,893	3/4	143,201	3/4	128,208	3/4	113,213	3/4	98,205	3/4	83,190
11	11	11	185,713	11	175,384	11	165,043	11	154,677	11	142,889	11	127,895	11	112,901	11	97,892	11	82,878
1/4	1/4	1/4	185,498	1/4	175,168	1/4	164,827	1/4	154,461	1/4	142,577	1/4	127,583	1/4	112,588	1/4	97,579	1/4	82,565
1/2	1/2	1/2	185,283	1/2	174,953	1/2	164,611	1/2	154,245	1/2	142,265	1/2	127,271	1/2	112,276	1/2	97,267	1/2	82,252
3/4	3/4	3/4	185,067	3/4	174,738	3/4	164,395	3/4	154,029	3/4	141,953	3/4	126,958	3/4	111,964	3/4	96,954	3/4	81,939

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "HSM 3028"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-04 3/4"

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/18/2019 CL
CALCULATED: 11/19/2019 CL
PRINTED: 11/19/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "HSM 3028"

PORT 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	4,282	0	3,127	0	1,973	0	818	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	4,185	1	3,030	1	1,877	1	722	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	4,089	2	2,934	2	1,780	2	626	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		1/2	5,140	1/2	4,041	1/2	2,886	1/2	578	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	5,128	3/4	4,017	3/4	2,862	3/4	553	3/4		3/4		3/4		3/4	
3		3		3	5,117	3	3,993	3	2,838	3	529	3		3		3		3	
1/4		1/4		1/4	5,105	1/4	3,969	1/4	2,814	1/4	505	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	5,093	1/2	3,945	1/2	2,790	1/2	481	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	5,070	3/4	3,921	3/4	2,766	3/4	457	3/4		3/4		3/4		3/4	
4		4		4	5,046	4	3,897	4	2,742	4	433	4		4		4		4	
1/4		1/4		1/4	5,023	1/4	3,873	1/4	2,718	1/4	409	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,999	1/2	3,849	1/2	2,694	1/2	385	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,975	3/4	3,825	3/4	2,670	3/4	361	3/4		3/4		3/4		3/4	
5		5		5	4,952	5	3,800	5	2,646	5	337	5		5		5		5	
1/4		1/4		1/4	4,928	1/4	3,776	1/4	2,622	1/4	313	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,904	1/2	3,752	1/2	2,597	1/2	289	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,881	3/4	3,728	3/4	2,574	3/4	265	3/4		3/4		3/4		3/4	
6		6		6	4,857	6	3,704	6	2,550	6	241	6		6		6		6	
1/4		1/4		1/4	4,833	1/4	3,680	1/4	2,526	1/4	217	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,810	1/2	3,656	1/2	2,502	1/2	193	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,786	3/4	3,632	3/4	2,478	3/4	168	3/4		3/4		3/4		3/4	
7		7		7	4,762	7	3,608	7	2,454	7	144	7		7		7		7	
1/4		1/4		1/4	4,739	1/4	3,584	1/4	2,430	1/4	120	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,715	1/2	3,560	1/2	2,406	1/2	96	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,691	3/4	3,536	3/4	2,382	3/4	72	3/4		3/4		3/4		3/4	
8		8		8	4,667	8	3,512	8	2,358	8	1,203	8		8		8		8	
1/4		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	
1/2		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	
3/4		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	
9		9		9	4,570	9	3,415	9	2,262	9	1,107	9		9		9		9	
1/4		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	
1/2		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	
3/4		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	
10		10		10	4,474	10	3,319	10	2,165	10	1,011	10		10		10		10	
1/4		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	
1/2		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	
3/4		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	
11		11		11	4,378	11	3,223	11	2,069	11	914	11		11		11		11	
1/4		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	
1/2		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	
3/4		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	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

STRAPPED: 11/18/2019 CL
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CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 3028"

STBD SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-07 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	4,258	0	3,103	0	1,949	0	794	0		0		0		0	
1/4		1/4		1/4	4,234	1/4	3,079	1/4	1,925	1/4	770	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,210	1/2	3,054	1/2	1,901	1/2	746	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,185	3/4	3,030	3/4	1,877	3/4	722	3/4		3/4		3/4		3/4	
1		1		1	4,161	1	3,006	1	1,853	1	698	1		1		1		1	
1/4		1/4		1/4	4,137	1/4	2,982	1/4	1,829	1/4	674	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,113	1/2	2,958	1/2	1,805	1/2	650	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,089	3/4	2,934	3/4	1,780	3/4	626	3/4		3/4		3/4		3/4	
2		2		2	4,065	2	2,910	2	1,756	2	602	2		2		2		2	
1/4		1/4	5,140	1/4	4,041	1/4	2,886	1/4	1,732	1/4	578	1/4		1/4		1/4		1/4	
1/2		1/2	5,128	1/2	4,017	1/2	2,862	1/2	1,708	1/2	553	1/2		1/2		1/2		1/2	
3/4		3/4	5,117	3/4	3,993	3/4	2,838	3/4	1,684	3/4	529	3/4		3/4		3/4		3/4	
3		3	5,105	3	3,969	3	2,814	3	1,660	3	505	3		3		3		3	
1/4		1/4	5,093	1/4	3,945	1/4	2,790	1/4	1,636	1/4	481	1/4		1/4		1/4		1/4	
1/2		1/2	5,070	1/2	3,921	1/2	2,766	1/2	1,612	1/2	457	1/2		1/2		1/2		1/2	
3/4		3/4	5,046	3/4	3,897	3/4	2,742	3/4	1,588	3/4	433	3/4		3/4		3/4		3/4	
4		4	5,023	4	3,873	4	2,718	4	1,564	4	409	4		4		4		4	
1/4		1/4	4,999	1/4	3,849	1/4	2,694	1/4	1,540	1/4	385	1/4		1/4		1/4		1/4	
1/2		1/2	4,975	1/2	3,825	1/2	2,670	1/2	1,516	1/2	361	1/2		1/2		1/2		1/2	
3/4		3/4	4,952	3/4	3,800	3/4	2,646	3/4	1,492	3/4	337	3/4		3/4		3/4		3/4	
5		5	4,928	5	3,776	5	2,622	5	1,468	5	313	5		5		5		5	
1/4		1/4	4,904	1/4	3,752	1/4	2,597	1/4	1,444	1/4	289	1/4		1/4		1/4		1/4	
1/2		1/2	4,881	1/2	3,728	1/2	2,574	1/2	1,419	1/2	265	1/2		1/2		1/2		1/2	
3/4		3/4	4,857	3/4	3,704	3/4	2,550	3/4	1,395	3/4	241	3/4		3/4		3/4		3/4	
6		6	4,833	6	3,680	6	2,526	6	1,371	6	217	6		6		6		6	
1/4		1/4	4,810	1/4	3,656	1/4	2,502	1/4	1,347	1/4	193	1/4		1/4		1/4		1/4	
1/2		1/2	4,786	1/2	3,632	1/2	2,478	1/2	1,323	1/2	168	1/2		1/2		1/2		1/2	
3/4		3/4	4,762	3/4	3,608	3/4	2,454	3/4	1,299	3/4	144	3/4		3/4		3/4		3/4	
7		7	4,739	7	3,584	7	2,430	7	1,275	7	120	7		7		7		7	
1/4		1/4	4,715	1/4	3,560	1/4	2,406	1/4	1,251	1/4	96	1/4		1/4		1/4		1/4	
1/2		1/2	4,691	1/2	3,536	1/2	2,382	1/2	1,227	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,667	3/4	3,512	3/4	2,358	3/4	1,203	3/4		3/4		3/4		3/4		3/4	
8		8	4,643	8	3,488	8	2,334	8	1,179	8		8		8		8		8	
1/4		1/4	4,619	1/4	3,464	1/4	2,310	1/4	1,155	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,595	1/2	3,440	1/2	2,286	1/2	1,131	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,570	3/4	3,415	3/4	2,262	3/4	1,107	3/4		3/4		3/4		3/4		3/4	
9		9	4,546	9	3,391	9	2,238	9	1,083	9		9		9		9		9	
1/4		1/4	4,522	1/4	3,367	1/4	2,214	1/4	1,059	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,498	1/2	3,343	1/2	2,190	1/2	1,035	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,474	3/4	3,319	3/4	2,165	3/4	1,011	3/4		3/4		3/4		3/4		3/4	
10		10	4,450	10	3,295	10	2,141	10	987	10		10		10		10		10	
1/4		1/4	4,426	1/4	3,271	1/4	2,117	1/4	963	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,402	1/2	3,247	1/2	2,093	1/2	938	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,378	3/4	3,223	3/4	2,069	3/4	914	3/4		3/4		3/4		3/4		3/4	
11		11	4,354	11	3,199	11	2,045	11	890	11		11		11		11		11	
1/4		1/4	4,330	1/4	3,175	1/4	2,021	1/4	866	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,306	1/2	3,151	1/2	1,997	1/2	842	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,282	3/4	3,127	3/4	1,973	3/4	818	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

STRAPPED: 11/18/2019 CL
CALCULATED: 11/19/2019 CL
PRINTED: 11/19/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2019

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