



BARGE "HSM 3039"

ULLAGE TRIM TABLE 8" GAUGE HATCH

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 238'-06"

February 12, 2020

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

<http://www.pmacorp.net>



BARGE "HSM 3039"

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"

February 12, 2020

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BARGE "HSM 3039"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	199,759	0	184,789	0	169,803	0	154,788	0	139,774	0	124,759	0	109,745	0	94,725
1/4		1/4		1/4	199,448	1/4	184,477	1/4	169,490	1/4	154,476	1/4	139,461	1/4	124,447	1/4	109,432	1/4	94,412
1/2		1/2		1/2	199,136	1/2	184,166	1/2	169,177	1/2	154,163	1/2	139,148	1/2	124,134	1/2	109,119	1/2	94,099
3/4		3/4		3/4	198,824	3/4	183,854	3/4	168,865	3/4	153,850	3/4	138,836	3/4	123,821	3/4	108,806	3/4	93,786
1		1		1	198,512	1	183,542	1	168,552	1	153,537	1	138,523	1	123,508	1	108,494	1	93,473
1/4		1/4		1/4	198,201	1/4	183,230	1/4	168,239	1/4	153,224	1/4	138,210	1/4	123,195	1/4	108,181	1/4	93,160
1/2		1/2		1/2	197,889	1/2	182,918	1/2	167,926	1/2	152,912	1/2	137,897	1/2	122,883	1/2	107,868	1/2	92,847
3/4		3/4		3/4	197,577	3/4	182,606	3/4	167,613	3/4	152,599	3/4	137,584	3/4	122,570	3/4	107,555	3/4	92,534
2		2		2	197,265	2	182,294	2	167,301	2	152,286	2	137,271	2	122,257	2	107,242	2	92,221
1/4		1/4		1/4	210,873	1/4	196,953	1/4	181,982	1/4	166,988	1/4	151,973	1/4	136,959	1/4	121,944	1/4	106,929
1/2		1/2		1/2	210,694	1/2	196,641	1/2	181,670	1/2	166,675	1/2	151,660	1/2	136,646	1/2	121,631	1/2	106,616
3/4		3/4		3/4	210,514	3/4	196,329	3/4	181,358	3/4	166,362	3/4	151,348	3/4	136,333	3/4	121,319	3/4	106,303
3		3		3	210,335	3	196,017	3	181,047	3	166,049	3	151,035	3	136,020	3	121,006	3	105,990
1/4		1/4		1/4	210,155	1/4	195,705	1/4	180,735	1/4	165,737	1/4	150,722	1/4	135,707	1/4	120,693	1/4	105,678
1/2		1/2		1/2	209,924	1/2	195,394	1/2	180,423	1/2	165,424	1/2	150,409	1/2	135,395	1/2	120,380	1/2	105,365
3/4		3/4		3/4	209,692	3/4	195,082	3/4	180,111	3/4	165,111	3/4	150,096	3/4	135,082	3/4	120,067	3/4	105,052
4		4		4	209,461	4	194,770	4	179,799	4	164,798	4	149,784	4	134,769	4	119,755	4	104,739
1/4		1/4		1/4	209,229	1/4	194,458	1/4	179,487	1/4	164,485	1/4	149,471	1/4	134,456	1/4	119,442	1/4	104,426
1/2		1/2		1/2	208,949	1/2	194,146	1/2	179,175	1/2	164,173	1/2	149,158	1/2	134,143	1/2	119,129	1/2	104,113
3/4		3/4		3/4	208,669	3/4	193,834	3/4	178,863	3/4	163,860	3/4	148,845	3/4	133,831	3/4	118,816	3/4	103,800
5		5		5	208,389	5	193,522	5	178,551	5	163,547	5	148,532	5	133,518	5	118,503	5	103,487
1/4		1/4		1/4	208,109	1/4	193,210	1/4	178,240	1/4	163,234	1/4	148,220	1/4	133,205	1/4	118,190	1/4	103,174
1/2		1/2		1/2	207,803	1/2	192,898	1/2	177,928	1/2	162,921	1/2	147,907	1/2	132,892	1/2	117,878	1/2	102,861
3/4		3/4		3/4	207,497	3/4	192,587	3/4	177,616	3/4	162,609	3/4	147,594	3/4	132,579	3/4	117,565	3/4	102,548
6		6		6	207,192	6	192,275	6	177,304	6	162,296	6	147,281	6	132,267	6	117,252	6	102,235
1/4		1/4		1/4	206,886	1/4	191,963	1/4	176,992	1/4	161,983	1/4	146,968	1/4	131,954	1/4	116,939	1/4	101,922
1/2		1/2		1/2	206,577	1/2	191,651	1/2	176,680	1/2	161,670	1/2	146,656	1/2	131,641	1/2	116,626	1/2	101,609
3/4		3/4		3/4	206,267	3/4	191,339	3/4	176,368	3/4	161,357	3/4	146,343	3/4	131,328	3/4	116,314	3/4	101,296
7		7		7	205,958	7	191,027	7	176,056	7	161,045	7	146,030	7	131,015	7	116,001	7	100,983
1/4		1/4		1/4	205,648	1/4	190,715	1/4	175,744	1/4	160,732	1/4	145,717	1/4	130,703	1/4	115,688	1/4	100,671
1/2		1/2		1/2	205,339	1/2	190,403	1/2	175,432	1/2	160,419	1/2	145,404	1/2	130,390	1/2	115,375	1/2	100,358
3/4		3/4		3/4	205,029	3/4	190,091	3/4	175,120	3/4	160,106	3/4	145,092	3/4	130,077	3/4	115,062	3/4	100,045
8		8		8	204,719	8	189,780	8	174,807	8	159,793	8	144,779	8	129,764	8	114,750	8	99,732
1/4		1/4		1/4	204,409	1/4	189,468	1/4	174,495	1/4	159,481	1/4	144,466	1/4	129,451	1/4	114,437	1/4	99,419
1/2		1/2		1/2	204,099	1/2	189,156	1/2	174,182	1/2	159,168	1/2	144,153	1/2	129,139	1/2	114,124	1/2	99,106
3/4		3/4		3/4	203,789	3/4	188,844	3/4	173,869	3/4	158,855	3/4	143,840	3/4	128,826	3/4	113,811	3/4	98,793
9		9		9	203,480	9	188,532	9	173,557	9	158,542	9	143,528	9	128,513	9	113,498	9	98,480
1/4		1/4		1/4	203,170	1/4	188,220	1/4	173,244	1/4	158,229	1/4	143,215	1/4	128,200	1/4	113,186	1/4	98,167
1/2		1/2		1/2	202,860	1/2	187,908	1/2	172,931	1/2	157,916	1/2	142,902	1/2	127,887	1/2	112,873	1/2	97,854
3/4		3/4		3/4	202,550	3/4	187,596	3/4	172,618	3/4	157,604	3/4	142,589	3/4	127,575	3/4	112,560	3/4	97,541
10		10		10	202,240	10	187,284	10	172,305	10	157,291	10	142,276	10	127,262	10	112,247	10	97,228
1/4		1/4		1/4	201,930	1/4	186,973	1/4	171,993	1/4	156,978	1/4	141,964	1/4	126,949	1/4	111,934	1/4	96,915
1/2		1/2		1/2	201,621	1/2	186,661	1/2	171,680	1/2	156,665	1/2	141,651	1/2	126,636	1/2	111,622	1/2	96,602
3/4		3/4		3/4	201,311	3/4	186,349	3/4	171,367	3/4	156,352	3/4	141,338	3/4	126,323	3/4	111,309	3/4	96,289
11		11		11	201,001	11	186,037	11	171,054	11	156,040	11	141,025	11	126,011	11	110,996	11	95,976
1/4		1/4		1/4	200,691	1/4	185,725	1/4	170,741	1/4	155,727	1/4	140,712	1/4	125,698	1/4	110,683	1/4	95,664
1/2		1/2		1/2	200,381	1/2	185,413	1/2	170,429	1/2	155,414	1/2	140,400	1/2	125,385	1/2	110,370	1/2	95,351
3/4		3/4		3/4	200,070	3/4	185,101	3/4	170,116	3/4	155,101	3/4	140,087	3/4	125,072	3/4	110,058	3/4	95,038

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE OR 8" HATCH.

GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD

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1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	79,704	0	64,683	0	49,762	0	34,746	0	19,725	0	5,517	0		0		0		0	
1/4	79,391	1/4	64,370	1/4	49,450	1/4	34,433	1/4	19,412	1/4	5,243	1/4		1/4		1/4		1/4	
1/2	79,078	1/2	64,059	1/2	49,138	1/2	34,120	1/2	19,099	1/2	4,972	1/2		1/2		1/2		1/2	
3/4	78,765	3/4	63,747	3/4	48,826	3/4	33,807	3/4	18,786	3/4	4,702	3/4		3/4		3/4		3/4	
1	78,452	1	63,435	1	48,514	1	33,494	1	18,473	1	4,431	1		1		1		1	
1/4	78,139	1/4	63,124	1/4	48,201	1/4	33,181	1/4	18,160	1/4	4,161	1/4		1/4		1/4		1/4	
1/2	77,826	1/2	62,813	1/2	47,889	1/2	32,868	1/2	17,848	1/2	3,894	1/2		1/2		1/2		1/2	
3/4	77,513	3/4	62,502	3/4	47,576	3/4	32,555	3/4	17,536	3/4	3,628	3/4		3/4		3/4		3/4	
2	77,200	2	62,191	2	47,263	2	32,242	2	17,224	2	3,361	2		2		2		2	
1/4	76,887	1/4	61,881	1/4	46,950	1/4	31,929	1/4	16,912	1/4	3,095	1/4		1/4		1/4		1/4	
1/2	76,574	1/2	61,570	1/2	46,637	1/2	31,616	1/2	16,603	1/2	2,833	1/2		1/2		1/2		1/2	
3/4	76,261	3/4	61,259	3/4	46,324	3/4	31,303	3/4	16,294	3/4	2,571	3/4		3/4		3/4		3/4	
3	75,948	3	60,949	3	46,011	3	30,990	3	15,985	3	2,309	3		3		3		3	
1/4	75,635	1/4	60,638	1/4	45,698	1/4	30,677	1/4	15,676	1/4	2,047	1/4		1/4		1/4		1/4	
1/2	75,323	1/2	60,328	1/2	45,385	1/2	30,365	1/2	15,371	1/2	1,809	1/2		1/2		1/2		1/2	
3/4	75,010	3/4	60,017	3/4	45,072	3/4	30,052	3/4	15,066	3/4	1,570	3/4		3/4		3/4		3/4	
4	74,697	4	59,706	4	44,759	4	29,739	4	14,760	4	1,331	4		4		4		4	
1/4	74,384	1/4	59,396	1/4	44,446	1/4	29,426	1/4	14,455	1/4	1,093	1/4		1/4		1/4		1/4	
1/2	74,071	1/2	59,085	1/2	44,133	1/2	29,113	1/2	14,154	1/2	916	1/2		1/2		1/2		1/2	
3/4	73,758	3/4	58,775	3/4	43,820	3/4	28,800	3/4	13,852	3/4	739	3/4		3/4		3/4		3/4	
5	73,445	5	58,464	5	43,508	5	28,487	5	13,551	5	562	5		5		5		5	
1/4	73,132	1/4	58,154	1/4	43,195	1/4	28,174	1/4	13,250	1/4	385	1/4		1/4		1/4		1/4	
1/2	72,819	1/2	57,843	1/2	42,882	1/2	27,861	1/2	12,952	1/2		1/2		1/2		1/2		1/2	
3/4	72,506	3/4	57,532	3/4	42,569	3/4	27,548	3/4	12,655	3/4		3/4		3/4		3/4		3/4	
6	72,193	6	57,222	6	42,256	6	27,235	6	12,357	6		6		6		6		6	
1/4	71,880	1/4	56,911	1/4	41,943	1/4	26,922	1/4	12,060	1/4		1/4		1/4		1/4		1/4	
1/2	71,567	1/2	56,601	1/2	41,630	1/2	26,609	1/2	11,766	1/2		1/2		1/2		1/2		1/2	
3/4	71,254	3/4	56,290	3/4	41,317	3/4	26,296	3/4	11,472	3/4		3/4		3/4		3/4		3/4	
7	70,941	7	55,980	7	41,004	7	25,984	7	11,179	7		7		7		7		7	
1/4	70,628	1/4	55,669	1/4	40,691	1/4	25,671	1/4	10,885	1/4		1/4		1/4		1/4		1/4	
1/2	70,315	1/2	55,358	1/2	40,378	1/2	25,358	1/2	10,595	1/2		1/2		1/2		1/2		1/2	
3/4	70,003	3/4	55,048	3/4	40,065	3/4	25,045	3/4	10,305	3/4		3/4		3/4		3/4		3/4	
8	69,690	8	54,737	8	39,752	8	24,732	8	10,016	8		8		8		8		8	
1/4	69,377	1/4	54,427	1/4	39,439	1/4	24,419	1/4	9,726	1/4		1/4		1/4		1/4		1/4	
1/2	69,064	1/2	54,116	1/2	39,127	1/2	24,106	1/2	9,440	1/2		1/2		1/2		1/2		1/2	
3/4	68,751	3/4	53,806	3/4	38,814	3/4	23,793	3/4	9,154	3/4		3/4		3/4		3/4		3/4	
9	68,438	9	53,495	9	38,501	9	23,480	9	8,868	9		9		9		9		9	
1/4	68,125	1/4	53,185	1/4	38,188	1/4	23,167	1/4	8,582	1/4		1/4		1/4		1/4		1/4	
1/2	67,812	1/2	52,874	1/2	37,875	1/2	22,854	1/2	8,300	1/2		1/2		1/2		1/2		1/2	
3/4	67,499	3/4	52,563	3/4	37,562	3/4	22,541	3/4	8,018	3/4		3/4		3/4		3/4		3/4	
10	67,186	10	52,252	10	37,249	10	22,228	10	7,736	10		10		10		10		10	
1/4	66,873	1/4	51,941	1/4	36,936	1/4	21,915	1/4	7,453	1/4		1/4		1/4		1/4		1/4	
1/2	66,560	1/2	51,630	1/2	36,623	1/2	21,603	1/2	7,175	1/2		1/2		1/2		1/2		1/2	
3/4	66,247	3/4	51,319	3/4	36,310	3/4	21,290	3/4	6,897	3/4		3/4		3/4		3/4		3/4	
11	65,934	11	51,008	11	35,997	11	20,977	11	6,619	11		11		11		11		11	
1/4	65,621	1/4	50,696	1/4	35,684	1/4	20,664	1/4	6,340	1/4		1/4		1/4		1/4		1/4	
1/2	65,309	1/2	50,385	1/2	35,371	1/2	20,351	1/2	6,066	1/2		1/2		1/2		1/2		1/2	
3/4	64,996	3/4	50,073	3/4	35,058	3/4	20,038	3/4	5,792	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/11/2020 CL
CALCULATED: 02/11/2020 CL
PRINTED: 02/12/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2020

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



BARGE "HSM 3039"

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	199,902	0	184,929	0	169,939	0	154,921	0	139,902	0	124,884	0	109,867	0	94,843
1/4		1/4		1/4	199,591	1/4	184,617	1/4	169,626	1/4	154,608	1/4	139,590	1/4	124,572	1/4	109,554	1/4	94,530
1/2		1/2		1/2	199,279	1/2	184,305	1/2	169,313	1/2	154,295	1/2	139,277	1/2	124,259	1/2	109,241	1/2	94,217
3/4		3/4		3/4	198,967	3/4	183,993	3/4	169,000	3/4	153,982	3/4	138,964	3/4	123,946	3/4	108,928	3/4	93,904
1		1		1	198,655	1	183,681	1	168,687	1	153,669	1	138,651	1	123,633	1	108,615	1	93,591
1/4		1/4		1/4	198,343	1/4	183,369	1/4	168,374	1/4	153,356	1/4	138,338	1/4	123,320	1/4	108,302	1/4	93,278
1/2		1/2		1/2	198,031	1/2	183,057	1/2	168,062	1/2	153,043	1/2	138,025	1/2	123,007	1/2	107,989	1/2	92,965
3/4		3/4		3/4	197,719	3/4	182,745	3/4	167,749	3/4	152,730	3/4	137,712	3/4	122,694	3/4	107,676	3/4	92,652
2		2		2	197,407	2	182,433	2	167,436	2	152,418	2	137,399	2	122,382	2	107,363	2	92,339
1/4		1/4		1/4	211,019	1/4	197,095	1/4	182,121	1/4	167,123	1/4	152,105	1/4	137,087	1/4	122,069	1/4	107,050
1/2		1/2		1/2	210,840	1/2	196,783	1/2	181,809	1/2	166,810	1/2	151,792	1/2	136,774	1/2	121,756	1/2	106,737
3/4		3/4		3/4	210,660	3/4	196,471	3/4	181,497	3/4	166,497	3/4	151,479	3/4	136,461	3/4	121,443	3/4	106,424
3		3		3	210,480	3	196,159	3	181,185	3	166,184	3	151,166	3	136,148	3	121,130	3	106,111
1/4		1/4		1/4	210,301	1/4	195,847	1/4	180,873	1/4	165,871	1/4	150,853	1/4	135,835	1/4	120,817	1/4	105,798
1/2		1/2		1/2	210,069	1/2	195,535	1/2	180,561	1/2	165,558	1/2	150,540	1/2	135,522	1/2	120,504	1/2	105,485
3/4		3/4		3/4	209,837	3/4	195,223	3/4	180,249	3/4	165,246	3/4	150,227	3/4	135,209	3/4	120,191	3/4	105,172
4		4		4	209,606	4	194,912	4	179,937	4	164,933	4	149,915	4	134,896	4	119,879	4	104,859
1/4		1/4		1/4	209,374	1/4	194,600	1/4	179,625	1/4	164,620	1/4	149,602	1/4	134,584	1/4	119,566	1/4	104,546
1/2		1/2		1/2	209,094	1/2	194,288	1/2	179,313	1/2	164,307	1/2	149,289	1/2	134,271	1/2	119,253	1/2	104,233
3/4		3/4		3/4	208,814	3/4	193,976	3/4	179,001	3/4	163,994	3/4	148,976	3/4	133,958	3/4	118,940	3/4	103,920
5		5		5	208,534	5	193,664	5	178,689	5	163,681	5	148,663	5	133,645	5	118,627	5	103,607
1/4		1/4		1/4	208,254	1/4	193,352	1/4	178,377	1/4	163,368	1/4	148,350	1/4	133,332	1/4	118,314	1/4	103,294
1/2		1/2		1/2	207,948	1/2	193,040	1/2	178,065	1/2	163,055	1/2	148,037	1/2	133,019	1/2	118,001	1/2	102,981
3/4		3/4		3/4	207,642	3/4	192,728	3/4	177,753	3/4	162,743	3/4	147,724	3/4	132,706	3/4	117,688	3/4	102,668
6		6		6	207,336	6	192,416	6	177,441	6	162,430	6	147,412	6	132,393	6	117,376	6	102,355
1/4		1/4		1/4	207,031	1/4	192,104	1/4	177,129	1/4	162,117	1/4	147,099	1/4	132,081	1/4	117,063	1/4	102,042
1/2		1/2		1/2	206,721	1/2	191,792	1/2	176,818	1/2	161,804	1/2	146,786	1/2	131,768	1/2	116,750	1/2	101,729
3/4		3/4		3/4	206,412	3/4	191,480	3/4	176,506	3/4	161,491	3/4	146,473	3/4	131,455	3/4	116,437	3/4	101,416
7		7		7	206,102	7	191,168	7	176,194	7	161,178	7	146,160	7	131,142	7	116,124	7	101,103
1/4		1/4		1/4	205,793	1/4	190,856	1/4	175,882	1/4	160,865	1/4	145,847	1/4	130,829	1/4	115,811	1/4	100,790
1/2		1/2		1/2	205,483	1/2	190,544	1/2	175,569	1/2	160,552	1/2	145,534	1/2	130,516	1/2	115,498	1/2	100,477
3/4		3/4		3/4	205,173	3/4	190,232	3/4	175,257	3/4	160,240	3/4	145,221	3/4	130,203	3/4	115,185	3/4	100,164
8		8		8	204,863	8	189,920	8	174,944	8	159,927	8	144,909	8	129,890	8	114,873	8	99,851
1/4		1/4		1/4	204,553	1/4	189,608	1/4	174,632	1/4	159,614	1/4	144,596	1/4	129,578	1/4	114,560	1/4	99,538
1/2		1/2		1/2	204,243	1/2	189,296	1/2	174,319	1/2	159,301	1/2	144,283	1/2	129,265	1/2	114,247	1/2	99,225
3/4		3/4		3/4	203,933	3/4	188,984	3/4	174,006	3/4	158,988	3/4	143,970	3/4	128,952	3/4	113,934	3/4	98,912
9		9		9	203,623	9	188,672	9	173,693	9	158,675	9	143,657	9	128,639	9	113,621	9	98,599
1/4		1/4		1/4	203,313	1/4	188,360	1/4	173,380	1/4	158,362	1/4	143,344	1/4	128,326	1/4	113,308	1/4	98,286
1/2		1/2		1/2	203,004	1/2	188,048	1/2	173,068	1/2	158,049	1/2	143,031	1/2	128,013	1/2	112,995	1/2	97,973
3/4		3/4		3/4	202,694	3/4	187,736	3/4	172,755	3/4	157,737	3/4	142,718	3/4	127,700	3/4	112,682	3/4	97,660
10		10		10	202,384	10	187,424	10	172,442	10	157,424	10	142,405	10	127,387	10	112,370	10	97,347
1/4		1/4		1/4	202,074	1/4	187,112	1/4	172,129	1/4	157,111	1/4	142,093	1/4	127,075	1/4	112,057	1/4	97,034
1/2		1/2		1/2	201,764	1/2	186,800	1/2	171,816	1/2	156,798	1/2	141,780	1/2	126,762	1/2	111,744	1/2	96,721
3/4		3/4		3/4	201,454	3/4	186,488	3/4	171,503	3/4	156,485	3/4	141,467	3/4	126,449	3/4	111,431	3/4	96,408
11		11		11	201,144	11	186,176	11	171,190	11	156,172	11	141,154	11	126,136	11	111,118	11	96,095
1/4		1/4		1/4	200,835	1/4	185,865	1/4	170,877	1/4	155,859	1/4	140,841	1/4	125,823	1/4	110,805	1/4	95,782
1/2		1/2		1/2	200,524	1/2	185,553	1/2	170,565	1/2	155,546	1/2	140,528	1/2	125,510	1/2	110,492	1/2	95,469
3/4		3/4		3/4	200,213	3/4	185,241	3/4	170,252	3/4	155,233	3/4	140,215	3/4	125,197	3/4	110,179	3/4	95,156

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 3039"

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	79,819	0	64,794	0	49,777	0	34,753	0	19,729	0	5,519	0		0		0		0	
1/4	79,506	1/4	64,481	1/4	49,464	1/4	34,440	1/4	19,416	1/4	5,244	1/4		1/4		1/4		1/4	
1/2	79,193	1/2	64,168	1/2	49,151	1/2	34,127	1/2	19,103	1/2	4,973	1/2		1/2		1/2		1/2	
3/4	78,880	3/4	63,855	3/4	48,838	3/4	33,814	3/4	18,790	3/4	4,703	3/4		3/4		3/4		3/4	
1	78,567	1	63,542	1	48,525	1	33,501	1	18,477	1	4,432	1		1		1		1	
1/4	78,254	1/4	63,229	1/4	48,212	1/4	33,188	1/4	18,164	1/4	4,162	1/4		1/4		1/4		1/4	
1/2	77,941	1/2	62,916	1/2	47,899	1/2	32,875	1/2	17,852	1/2	3,895	1/2		1/2		1/2		1/2	
3/4	77,628	3/4	62,603	3/4	47,586	3/4	32,562	3/4	17,540	3/4	3,629	3/4		3/4		3/4		3/4	
2	77,315	2	62,290	2	47,273	2	32,249	2	17,228	2	3,362	2		2		2		2	
1/4	77,002	1/4	61,977	1/4	46,960	1/4	31,936	1/4	16,916	1/4	3,096	1/4		1/4		1/4		1/4	
1/2	76,689	1/2	61,665	1/2	46,647	1/2	31,623	1/2	16,607	1/2	2,834	1/2		1/2		1/2		1/2	
3/4	76,376	3/4	61,352	3/4	46,334	3/4	31,310	3/4	16,298	3/4	2,572	3/4		3/4		3/4		3/4	
3	76,063	3	61,039	3	46,021	3	30,997	3	15,989	3	2,310	3		3		3		3	
1/4	75,750	1/4	60,726	1/4	45,708	1/4	30,684	1/4	15,680	1/4	2,048	1/4		1/4		1/4		1/4	
1/2	75,437	1/2	60,413	1/2	45,395	1/2	30,371	1/2	15,374	1/2	1,809	1/2		1/2		1/2		1/2	
3/4	75,124	3/4	60,101	3/4	45,082	3/4	30,058	3/4	15,069	3/4	1,571	3/4		3/4		3/4		3/4	
4	74,811	4	59,788	4	44,769	4	29,745	4	14,764	4	1,332	4		4		4		4	
1/4	74,498	1/4	59,475	1/4	44,456	1/4	29,432	1/4	14,459	1/4	1,093	1/4		1/4		1/4		1/4	
1/2	74,185	1/2	59,162	1/2	44,143	1/2	29,119	1/2	14,157	1/2	916	1/2		1/2		1/2		1/2	
3/4	73,872	3/4	58,849	3/4	43,830	3/4	28,806	3/4	13,856	3/4	739	3/4		3/4		3/4		3/4	
5	73,559	5	58,537	5	43,517	5	28,493	5	13,554	5	562	5		5		5		5	
1/4	73,246	1/4	58,224	1/4	43,204	1/4	28,180	1/4	13,253	1/4	385	1/4		1/4		1/4		1/4	
1/2	72,933	1/2	57,911	1/2	42,891	1/2	27,867	1/2	12,955	1/2		1/2		1/2		1/2		1/2	
3/4	72,620	3/4	57,598	3/4	42,578	3/4	27,554	3/4	12,658	3/4		3/4		3/4		3/4		3/4	
6	72,307	6	57,286	6	42,265	6	27,241	6	12,360	6		6		6		6		6	
1/4	71,994	1/4	56,973	1/4	41,952	1/4	26,928	1/4	12,062	1/4		1/4		1/4		1/4		1/4	
1/2	71,681	1/2	56,660	1/2	41,639	1/2	26,615	1/2	11,769	1/2		1/2		1/2		1/2		1/2	
3/4	71,368	3/4	56,347	3/4	41,326	3/4	26,302	3/4	11,475	3/4		3/4		3/4		3/4		3/4	
7	71,054	7	56,034	7	41,013	7	25,989	7	11,181	7		7		7		7		7	
1/4	70,741	1/4	55,722	1/4	40,700	1/4	25,676	1/4	10,888	1/4		1/4		1/4		1/4		1/4	
1/2	70,428	1/2	55,409	1/2	40,387	1/2	25,363	1/2	10,598	1/2		1/2		1/2		1/2		1/2	
3/4	70,115	3/4	55,096	3/4	40,074	3/4	25,050	3/4	10,308	3/4		3/4		3/4		3/4		3/4	
8	69,802	8	54,783	8	39,761	8	24,737	8	10,018	8		8		8		8		8	
1/4	69,489	1/4	54,471	1/4	39,448	1/4	24,424	1/4	9,728	1/4		1/4		1/4		1/4		1/4	
1/2	69,176	1/2	54,158	1/2	39,135	1/2	24,111	1/2	9,442	1/2		1/2		1/2		1/2		1/2	
3/4	68,863	3/4	53,845	3/4	38,822	3/4	23,798	3/4	9,156	3/4		3/4		3/4		3/4		3/4	
9	68,550	9	53,532	9	38,509	9	23,485	9	8,870	9		9		9		9		9	
1/4	68,237	1/4	53,219	1/4	38,196	1/4	23,172	1/4	8,584	1/4		1/4		1/4		1/4		1/4	
1/2	67,924	1/2	52,907	1/2	37,883	1/2	22,859	1/2	8,302	1/2		1/2		1/2		1/2		1/2	
3/4	67,611	3/4	52,594	3/4	37,570	3/4	22,546	3/4	8,020	3/4		3/4		3/4		3/4		3/4	
10	67,298	10	52,281	10	37,257	10	22,233	10	7,737	10		10		10		10		10	
1/4	66,985	1/4	51,968	1/4	36,944	1/4	21,920	1/4	7,455	1/4		1/4		1/4		1/4		1/4	
1/2	66,672	1/2	51,655	1/2	36,631	1/2	21,607	1/2	7,177	1/2		1/2		1/2		1/2		1/2	
3/4	66,359	3/4	51,342	3/4	36,318	3/4	21,294	3/4	6,899	3/4		3/4		3/4		3/4		3/4	
11	66,046	11	51,029	11	36,005	11	20,981	11	6,620	11		11		11		11		11	
1/4	65,733	1/4	50,716	1/4	35,692	1/4	20,668	1/4	6,342	1/4		1/4		1/4		1/4		1/4	
1/2	65,420	1/2	50,403	1/2	35,379	1/2	20,355	1/2	6,067	1/2		1/2		1/2		1/2		1/2	
3/4	65,107	3/4	50,090	3/4	35,066	3/4	20,042	3/4	5,793	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/11/2020 CL
CALCULATED: 02/11/2020 CL
PRINTED: 02/12/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "HSM 3039"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	202,033	0	187,008	0	171,964	0	156,887	0	141,809	0	126,732	0	111,655	0	96,571
1/4		1/4		1/4	201,721	1/4	186,695	1/4	171,650	1/4	156,572	1/4	141,495	1/4	126,418	1/4	111,340	1/4	96,256
1/2		1/2		1/2	201,408	1/2	186,382	1/2	171,336	1/2	156,258	1/2	141,181	1/2	126,104	1/2	111,026	1/2	95,942
3/4		3/4		3/4	201,095	3/4	186,069	3/4	171,022	3/4	155,944	3/4	140,867	3/4	125,790	3/4	110,712	3/4	95,628
1		1		1	200,782	1	185,756	1	170,707	1	155,630	1	140,553	1	125,475	1	110,398	1	95,314
1/4		1/4		1/4	200,469	1/4	185,443	1/4	170,393	1/4	155,316	1/4	140,239	1/4	125,161	1/4	110,084	1/4	94,999
1/2		1/2		1/2	200,156	1/2	185,130	1/2	170,079	1/2	155,002	1/2	139,925	1/2	124,847	1/2	109,770	1/2	94,685
3/4		3/4		3/4	199,843	3/4	184,817	3/4	169,765	3/4	154,688	3/4	139,610	3/4	124,533	3/4	109,456	3/4	94,371
2		2		2	199,530	2	184,504	2	169,451	2	154,374	2	139,296	2	124,219	2	109,141	2	94,057
1/4		1/4		1/4	213,153	1/4	199,217	1/4	184,191	1/4	169,137	1/4	154,060	1/4	138,982	1/4	123,905	1/4	108,827
1/2		1/2		1/2	212,974	1/2	198,904	1/2	183,878	1/2	168,823	1/2	153,745	1/2	138,668	1/2	123,591	1/2	108,513
3/4		3/4		3/4	212,795	3/4	198,591	3/4	183,565	3/4	168,509	3/4	153,431	3/4	138,354	3/4	123,277	3/4	108,199
3		3		3	212,615	3	198,278	3	183,252	3	168,195	3	153,117	3	138,040	3	122,963	3	107,884
1/4		1/4		1/4	212,436	1/4	197,965	1/4	182,939	1/4	167,880	1/4	152,803	1/4	137,726	1/4	122,648	1/4	107,570
1/2		1/2		1/2	212,205	1/2	197,652	1/2	182,626	1/2	167,566	1/2	152,489	1/2	137,412	1/2	122,334	1/2	107,256
3/4		3/4		3/4	211,973	3/4	197,339	3/4	182,313	3/4	167,252	3/4	152,175	3/4	137,098	3/4	122,020	3/4	106,942
4		4		4	211,742	4	197,026	4	182,000	4	166,938	4	151,861	4	136,783	4	121,706	4	106,627
1/4		1/4		1/4	211,510	1/4	196,713	1/4	181,686	1/4	166,624	1/4	151,547	1/4	136,469	1/4	121,392	1/4	106,313
1/2		1/2		1/2	211,230	1/2	196,400	1/2	181,373	1/2	166,310	1/2	151,233	1/2	136,155	1/2	121,078	1/2	105,999
3/4		3/4		3/4	210,950	3/4	196,087	3/4	181,060	3/4	165,996	3/4	150,918	3/4	135,841	3/4	120,764	3/4	105,685
5		5		5	210,670	5	195,774	5	180,747	5	165,682	5	150,604	5	135,527	5	120,450	5	105,370
1/4		1/4		1/4	210,390	1/4	195,460	1/4	180,434	1/4	165,368	1/4	150,290	1/4	135,213	1/4	120,136	1/4	105,056
1/2		1/2		1/2	210,084	1/2	195,147	1/2	180,121	1/2	165,053	1/2	149,976	1/2	134,899	1/2	119,821	1/2	104,742
3/4		3/4		3/4	209,778	3/4	194,834	3/4	179,808	3/4	164,739	3/4	149,662	3/4	134,585	3/4	119,507	3/4	104,427
6		6		6	209,472	6	194,521	6	179,495	6	164,425	6	149,348	6	134,271	6	119,193	6	104,113
1/4		1/4		1/4	209,166	1/4	194,208	1/4	179,182	1/4	164,111	1/4	149,034	1/4	133,956	1/4	118,879	1/4	103,799
1/2		1/2		1/2	208,856	1/2	193,895	1/2	178,869	1/2	163,797	1/2	148,720	1/2	133,642	1/2	118,565	1/2	103,485
3/4		3/4		3/4	208,547	3/4	193,582	3/4	178,556	3/4	163,483	3/4	148,406	3/4	133,328	3/4	118,251	3/4	103,170
7		7		7	208,237	7	193,269	7	178,243	7	163,169	7	148,091	7	133,014	7	117,937	7	102,856
1/4		1/4		1/4	207,928	1/4	192,956	1/4	177,930	1/4	162,855	1/4	147,777	1/4	132,700	1/4	117,623	1/4	102,542
1/2		1/2		1/2	207,618	1/2	192,643	1/2	177,616	1/2	162,541	1/2	147,463	1/2	132,386	1/2	117,309	1/2	102,228
3/4		3/4		3/4	207,308	3/4	192,330	3/4	177,303	3/4	162,226	3/4	147,149	3/4	132,072	3/4	116,994	3/4	101,913
8		8		8	206,998	8	192,017	8	176,989	8	161,912	8	146,835	8	131,758	8	116,680	8	101,599
1/4		1/4		1/4	206,688	1/4	191,704	1/4	176,676	1/4	161,598	1/4	146,521	1/4	131,444	1/4	116,366	1/4	101,285
1/2		1/2		1/2	206,378	1/2	191,391	1/2	176,362	1/2	161,284	1/2	146,207	1/2	131,129	1/2	116,052	1/2	100,970
3/4		3/4		3/4	206,067	3/4	191,078	3/4	176,047	3/4	160,970	3/4	145,893	3/4	130,815	3/4	115,738	3/4	100,656
9		9		9	205,757	9	190,765	9	175,733	9	160,656	9	145,579	9	130,501	9	115,424	9	100,342
1/4		1/4		1/4	205,447	1/4	190,452	1/4	175,419	1/4	160,342	1/4	145,264	1/4	130,187	1/4	115,110	1/4	100,028
1/2		1/2		1/2	205,137	1/2	190,139	1/2	175,105	1/2	160,028	1/2	144,950	1/2	129,873	1/2	114,796	1/2	99,713
3/4		3/4		3/4	204,827	3/4	189,826	3/4	174,791	3/4	159,714	3/4	144,636	3/4	129,559	3/4	114,482	3/4	99,399
10		10		10	204,517	10	189,513	10	174,477	10	159,399	10	144,322	10	129,245	10	114,167	10	99,085
1/4		1/4		1/4	204,207	1/4	189,200	1/4	174,163	1/4	159,085	1/4	144,008	1/4	128,931	1/4	113,853	1/4	98,771
1/2		1/2		1/2	203,897	1/2	188,887	1/2	173,849	1/2	158,771	1/2	143,694	1/2	128,617	1/2	113,539	1/2	98,456
3/4		3/4		3/4	203,587	3/4	188,573	3/4	173,534	3/4	158,457	3/4	143,380	3/4	128,302	3/4	113,225	3/4	98,142
11		11		11	203,277	11	188,260	11	173,220	11	158,143	11	143,066	11	127,988	11	112,911	11	97,828
1/4		1/4		1/4	202,967	1/4	187,947	1/4	172,906	1/4	157,829	1/4	142,752	1/4	127,674	1/4	112,597	1/4	97,514
1/2		1/2		1/2	202,656	1/2	187,634	1/2	172,592	1/2	157,515	1/2	142,437	1/2	127,360	1/2	112,283	1/2	97,199
3/4		3/4		3/4	202,344	3/4	187,321	3/4	172,278	3/4	157,201	3/4	142,123	3/4	127,046	3/4	111,969	3/4	96,885

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 3039"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	81,486	0	66,401	0	51,846	0	37,362	0	22,316	0	7,231	0		0		0		0	
1/4	81,172	1/4	66,087	1/4	51,544	1/4	37,060	1/4	22,001	1/4	6,917	1/4		1/4		1/4		1/4	
1/2	80,857	1/2	65,778	1/2	51,241	1/2	36,752	1/2	21,687	1/2	6,603	1/2		1/2		1/2		1/2	
3/4	80,543	3/4	65,470	3/4	50,939	3/4	36,443	3/4	21,373	3/4	6,288	3/4		3/4		3/4		3/4	
1	80,229	1	65,161	1	50,637	1	36,135	1	21,059	1	5,974	1		1		1		1	
1/4	79,914	1/4	64,853	1/4	50,335	1/4	35,826	1/4	20,744	1/4	5,660	1/4		1/4		1/4		1/4	
1/2	79,600	1/2	64,551	1/2	50,033	1/2	35,512	1/2	20,430	1/2	5,346	1/2		1/2		1/2		1/2	
3/4	79,286	3/4	64,248	3/4	49,732	3/4	35,198	3/4	20,116	3/4	5,032	3/4		3/4		3/4		3/4	
2	78,972	2	63,946	2	49,430	2	34,884	2	19,802	2	4,718	2		2		2		2	
1/4	78,657	1/4	63,643	1/4	49,128	1/4	34,569	1/4	19,487	1/4	4,404	1/4		1/4		1/4		1/4	
1/2	78,343	1/2	63,341	1/2	48,826	1/2	34,255	1/2	19,173	1/2	4,091	1/2		1/2		1/2		1/2	
3/4	78,029	3/4	63,038	3/4	48,525	3/4	33,941	3/4	18,859	3/4	3,777	3/4		3/4		3/4		3/4	
3	77,715	3	62,736	3	48,223	3	33,627	3	18,545	3	3,464	3		3		3		3	
1/4	77,400	1/4	62,433	1/4	47,921	1/4	33,312	1/4	18,230	1/4	3,151	1/4		1/4		1/4		1/4	
1/2	77,086	1/2	62,131	1/2	47,620	1/2	32,998	1/2	17,916	1/2	2,857	1/2		1/2		1/2		1/2	
3/4	76,772	3/4	61,828	3/4	47,318	3/4	32,684	3/4	17,602	3/4	2,563	3/4		3/4		3/4		3/4	
4	76,457	4	61,526	4	47,017	4	32,370	4	17,287	4	2,269	4		4		4		4	
1/4	76,143	1/4	61,223	1/4	46,715	1/4	32,055	1/4	16,973	1/4	1,976	1/4		1/4		1/4		1/4	
1/2	75,829	1/2	60,921	1/2	46,414	1/2	31,741	1/2	16,659	1/2	1,740	1/2		1/2		1/2		1/2	
3/4	75,515	3/4	60,618	3/4	46,112	3/4	31,427	3/4	16,345	3/4	1,504	3/4		3/4		3/4		3/4	
5	75,200	5	60,316	5	45,810	5	31,113	5	16,030	5	1,269	5		5		5		5	
1/4	74,886	1/4	60,013	1/4	45,509	1/4	30,798	1/4	15,716	1/4	1,033	1/4		1/4		1/4		1/4	
1/2	74,572	1/2	59,711	1/2	45,207	1/2	30,484	1/2	15,402	1/2		1/2		1/2		1/2		1/2	
3/4	74,258	3/4	59,408	3/4	44,906	3/4	30,170	3/4	15,088	3/4		3/4		3/4		3/4		3/4	
6	73,943	6	59,106	6	44,604	6	29,856	6	14,773	6		6		6		6		6	
1/4	73,629	1/4	58,803	1/4	44,303	1/4	29,542	1/4	14,459	1/4		1/4		1/4		1/4		1/4	
1/2	73,315	1/2	58,501	1/2	44,001	1/2	29,228	1/2	14,145	1/2		1/2		1/2		1/2		1/2	
3/4	73,001	3/4	58,198	3/4	43,700	3/4	28,913	3/4	13,831	3/4		3/4		3/4		3/4		3/4	
7	72,686	7	57,896	7	43,398	7	28,599	7	13,516	7		7		7		7		7	
1/4	72,372	1/4	57,593	1/4	43,097	1/4	28,285	1/4	13,202	1/4		1/4		1/4		1/4		1/4	
1/2	72,058	1/2	57,291	1/2	42,795	1/2	27,971	1/2	12,888	1/2		1/2		1/2		1/2		1/2	
3/4	71,743	3/4	56,988	3/4	42,493	3/4	27,657	3/4	12,574	3/4		3/4		3/4		3/4		3/4	
8	71,429	8	56,686	8	42,192	8	27,343	8	12,259	8		8		8		8		8	
1/4	71,115	1/4	56,383	1/4	41,890	1/4	27,029	1/4	11,945	1/4		1/4		1/4		1/4		1/4	
1/2	70,801	1/2	56,081	1/2	41,589	1/2	26,715	1/2	11,631	1/2		1/2		1/2		1/2		1/2	
3/4	70,486	3/4	55,778	3/4	41,287	3/4	26,401	3/4	11,317	3/4		3/4		3/4		3/4		3/4	
9	70,172	9	55,476	9	40,986	9	26,087	9	11,002	9		9		9		9		9	
1/4	69,858	1/4	55,173	1/4	40,684	1/4	25,772	1/4	10,688	1/4		1/4		1/4		1/4		1/4	
1/2	69,544	1/2	54,871	1/2	40,383	1/2	25,458	1/2	10,374	1/2		1/2		1/2		1/2		1/2	
3/4	69,229	3/4	54,568	3/4	40,081	3/4	25,144	3/4	10,059	3/4		3/4		3/4		3/4		3/4	
10	68,915	10	54,266	10	39,779	10	24,830	10	9,745	10		10		10		10		10	
1/4	68,601	1/4	53,964	1/4	39,478	1/4	24,515	1/4	9,431	1/4		1/4		1/4		1/4		1/4	
1/2	68,286	1/2	53,661	1/2	39,176	1/2	24,201	1/2	9,117	1/2		1/2		1/2		1/2		1/2	
3/4	67,972	3/4	53,359	3/4	38,874	3/4	23,887	3/4	8,802	3/4		3/4		3/4		3/4		3/4	
11	67,658	11	53,056	11	38,572	11	23,573	11	8,488	11		11		11		11		11	
1/4	67,344	1/4	52,754	1/4	38,270	1/4	23,258	1/4	8,174	1/4		1/4		1/4		1/4		1/4	
1/2	67,029	1/2	52,451	1/2	37,967	1/2	22,944	1/2	7,860	1/2		1/2		1/2		1/2		1/2	
3/4	66,715	3/4	52,149	3/4	37,665	3/4	22,630	3/4	7,545	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/11/2020 CL
CALCULATED: 02/11/2020 CL
PRINTED: 02/12/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 3039"

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

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

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BARGE "HSM 3039"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	82,568	0	67,493	0	52,417	0	37,376	0	22,303	0	7,227	0		0		0		0	
1/4	82,254	1/4	67,178	1/4	52,103	1/4	37,062	1/4	21,989	1/4	6,913	1/4		1/4		1/4		1/4	
1/2	81,940	1/2	66,864	1/2	51,789	1/2	36,748	1/2	21,675	1/2	6,599	1/2		1/2		1/2		1/2	
3/4	81,626	3/4	66,550	3/4	51,475	3/4	36,434	3/4	21,361	3/4	6,285	3/4		3/4		3/4		3/4	
1	81,312	1	66,236	1	51,161	1	36,120	1	21,047	1	5,971	1		1		1		1	
1/4	80,998	1/4	65,922	1/4	50,848	1/4	35,806	1/4	20,732	1/4	5,657	1/4		1/4		1/4		1/4	
1/2	80,684	1/2	65,608	1/2	50,534	1/2	35,492	1/2	20,418	1/2	5,343	1/2		1/2		1/2		1/2	
3/4	80,370	3/4	65,294	3/4	50,221	3/4	35,178	3/4	20,104	3/4	5,029	3/4		3/4		3/4		3/4	
2	80,056	2	64,980	2	49,908	2	34,864	2	19,790	2	4,715	2		2		2		2	
1/4	79,742	1/4	64,666	1/4	49,594	1/4	34,550	1/4	19,476	1/4	4,402	1/4		1/4		1/4		1/4	
1/2	79,428	1/2	64,352	1/2	49,281	1/2	34,236	1/2	19,162	1/2	4,088	1/2		1/2		1/2		1/2	
3/4	79,113	3/4	64,038	3/4	48,968	3/4	33,921	3/4	18,848	3/4	3,775	3/4		3/4		3/4		3/4	
3	78,799	3	63,724	3	48,654	3	33,607	3	18,534	3	3,462	3		3		3		3	
1/4	78,485	1/4	63,409	1/4	48,341	1/4	33,293	1/4	18,220	1/4	3,149	1/4		1/4		1/4		1/4	
1/2	78,171	1/2	63,095	1/2	48,028	1/2	32,979	1/2	17,906	1/2	2,836	1/2		1/2		1/2		1/2	
3/4	77,857	3/4	62,781	3/4	47,715	3/4	32,665	3/4	17,592	3/4	2,522	3/4		3/4		3/4		3/4	
4	77,543	4	62,467	4	47,402	4	32,351	4	17,278	4	2,208	4		4		4		4	
1/4	77,229	1/4	62,153	1/4	47,089	1/4	32,037	1/4	16,964	1/4	1,895	1/4		1/4		1/4		1/4	
1/2	76,915	1/2	61,839	1/2	46,775	1/2	31,723	1/2	16,649	1/2	1,739	1/2		1/2		1/2		1/2	
3/4	76,601	3/4	61,525	3/4	46,462	3/4	31,409	3/4	16,335	3/4	1,504	3/4		3/4		3/4		3/4	
5	76,287	5	61,211	5	46,149	5	31,095	5	16,021	5	1,268	5		5		5		5	
1/4	75,973	1/4	60,897	1/4	45,836	1/4	30,781	1/4	15,707	1/4	1,032	1/4		1/4		1/4		1/4	
1/2	75,659	1/2	60,583	1/2	45,523	1/2	30,467	1/2	15,393	1/2		1/2		1/2		1/2		1/2	
3/4	75,344	3/4	60,269	3/4	45,210	3/4	30,153	3/4	15,079	3/4		3/4		3/4		3/4		3/4	
6	75,030	6	59,955	6	44,897	6	29,839	6	14,765	6		6		6		6		6	
1/4	74,716	1/4	59,641	1/4	44,583	1/4	29,525	1/4	14,451	1/4		1/4		1/4		1/4		1/4	
1/2	74,402	1/2	59,326	1/2	44,270	1/2	29,211	1/2	14,137	1/2		1/2		1/2		1/2		1/2	
3/4	74,088	3/4	59,012	3/4	43,957	3/4	28,897	3/4	13,823	3/4		3/4		3/4		3/4		3/4	
7	73,774	7	58,698	7	43,644	7	28,583	7	13,509	7		7		7		7		7	
1/4	73,460	1/4	58,384	1/4	43,331	1/4	28,269	1/4	13,195	1/4		1/4		1/4		1/4		1/4	
1/2	73,146	1/2	58,070	1/2	43,018	1/2	27,955	1/2	12,881	1/2		1/2		1/2		1/2		1/2	
3/4	72,832	3/4	57,756	3/4	42,705	3/4	27,641	3/4	12,566	3/4		3/4		3/4		3/4		3/4	
8	72,518	8	57,442	8	42,391	8	27,328	8	12,252	8		8		8		8		8	
1/4	72,204	1/4	57,128	1/4	42,078	1/4	27,014	1/4	11,938	1/4		1/4		1/4		1/4		1/4	
1/2	71,890	1/2	56,814	1/2	41,765	1/2	26,700	1/2	11,624	1/2		1/2		1/2		1/2		1/2	
3/4	71,576	3/4	56,500	3/4	41,452	3/4	26,386	3/4	11,310	3/4		3/4		3/4		3/4		3/4	
9	71,261	9	56,186	9	41,139	9	26,072	9	10,996	9		9		9		9		9	
1/4	70,947	1/4	55,872	1/4	40,826	1/4	25,758	1/4	10,682	1/4		1/4		1/4		1/4		1/4	
1/2	70,633	1/2	55,558	1/2	40,512	1/2	25,444	1/2	10,368	1/2		1/2		1/2		1/2		1/2	
3/4	70,319	3/4	55,243	3/4	40,199	3/4	25,130	3/4	10,054	3/4		3/4		3/4		3/4		3/4	
10	70,005	10	54,929	10	39,886	10	24,816	10	9,740	10		10		10		10		10	
1/4	69,691	1/4	54,615	1/4	39,573	1/4	24,501	1/4	9,426	1/4		1/4		1/4		1/4		1/4	
1/2	69,377	1/2	54,301	1/2	39,259	1/2	24,187	1/2	9,112	1/2		1/2		1/2		1/2		1/2	
3/4	69,063	3/4	53,987	3/4	38,946	3/4	23,873	3/4	8,798	3/4		3/4		3/4		3/4		3/4	
11	68,749	11	53,673	11	38,632	11	23,559	11	8,483	11		11		11		11		11	
1/4	68,435	1/4	53,359	1/4	38,319	1/4	23,245	1/4	8,169	1/4		1/4		1/4		1/4		1/4	
1/2	68,121	1/2	53,045	1/2	38,004	1/2	22,931	1/2	7,855	1/2		1/2		1/2		1/2		1/2	
3/4	67,807	3/4	52,731	3/4	37,690	3/4	22,617	3/4	7,541	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/11/2020 CL
CALCULATED: 02/11/2020 CL
PRINTED: 02/12/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 3039"

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	182,705	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	81,353

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "HSM 3039"

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: 02/11/2020 CL
CALCULATED: 02/11/2020 CL
PRINTED: 02/12/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 3039"

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	185,133	0	174,800	0	164,453	0	154,083	0	142,003	0	127,003	0	112,003	0	96,988
1/4		1/4		1/4	184,917	1/4	174,584	1/4	164,237	1/4	153,867	1/4	141,690	1/4	126,690	1/4	111,690	1/4	96,675
1/2		1/2		1/2	184,702	1/2	174,369	1/2	164,021	1/2	153,651	1/2	141,378	1/2	126,378	1/2	111,378	1/2	96,362
3/4		3/4		3/4	184,487	3/4	174,154	3/4	163,805	3/4	153,435	3/4	141,065	3/4	126,065	3/4	111,065	3/4	96,049
1		1		1	184,271	1	173,938	1	163,589	1	153,219	1	140,753	1	125,753	1	110,753	1	95,736
1/4		1/4		1/4	184,056	1/4	173,723	1/4	163,373	1/4	153,003	1/4	140,440	1/4	125,440	1/4	110,440	1/4	95,423
1/2		1/2		1/2	183,841	1/2	173,508	1/2	163,157	1/2	152,787	1/2	140,128	1/2	125,128	1/2	110,128	1/2	95,110
3/4		3/4		3/4	183,626	3/4	173,293	3/4	162,941	3/4	152,571	3/4	139,815	3/4	124,815	3/4	109,815	3/4	94,798
2		2	193,051	2	183,410	2	173,077	2	162,725	2	152,355	2	139,503	2	124,503	2	109,503	2	94,485
1/4		1/4	192,928	1/4	183,195	1/4	172,862	1/4	162,509	1/4	152,139	1/4	139,190	1/4	124,190	1/4	109,190	1/4	94,172
1/2		1/2	192,804	1/2	182,980	1/2	172,647	1/2	162,293	1/2	151,923	1/2	138,878	1/2	123,878	1/2	108,878	1/2	93,859
3/4		3/4	192,680	3/4	182,765	3/4	172,432	3/4	162,077	3/4	151,707	3/4	138,565	3/4	123,565	3/4	108,565	3/4	93,546
3		3	192,557	3	182,549	3	172,216	3	161,861	3	151,491	3	138,253	3	123,253	3	108,252	3	93,233
1/4		1/4	192,397	1/4	182,334	1/4	172,001	1/4	161,644	1/4	151,275	1/4	137,940	1/4	122,940	1/4	107,940	1/4	92,920
1/2		1/2	192,237	1/2	182,119	1/2	171,786	1/2	161,428	1/2	151,059	1/2	137,628	1/2	122,628	1/2	107,627	1/2	92,607
3/4		3/4	192,078	3/4	181,903	3/4	171,571	3/4	161,212	3/4	150,843	3/4	137,315	3/4	122,315	3/4	107,314	3/4	92,294
4		4	191,918	4	181,688	4	171,355	4	160,996	4	150,627	4	137,003	4	122,003	4	107,001	4	91,981
1/4		1/4	191,725	1/4	181,473	1/4	171,140	1/4	160,780	1/4	150,407	1/4	136,690	1/4	121,690	1/4	106,688	1/4	91,668
1/2		1/2	191,532	1/2	181,258	1/2	170,925	1/2	160,564	1/2	150,188	1/2	136,378	1/2	121,378	1/2	106,375	1/2	91,356
3/4		3/4	191,339	3/4	181,042	3/4	170,709	3/4	160,348	3/4	149,968	3/4	136,065	3/4	121,065	3/4	106,063	3/4	91,043
5		5	191,146	5	180,827	5	170,494	5	160,132	5	149,749	5	135,753	5	120,753	5	105,750	5	90,730
1/4		1/4	190,934	1/4	180,612	1/4	170,279	1/4	159,916	1/4	149,517	1/4	135,440	1/4	120,440	1/4	105,437	1/4	90,417
1/2		1/2	190,722	1/2	180,397	1/2	170,064	1/2	159,700	1/2	149,286	1/2	135,128	1/2	120,128	1/2	105,124	1/2	90,104
3/4		3/4	190,511	3/4	180,181	3/4	169,848	3/4	159,484	3/4	149,055	3/4	134,815	3/4	119,815	3/4	104,811	3/4	89,791
6		6	190,299	6	179,966	6	169,633	6	159,268	6	148,824	6	134,503	6	119,503	6	104,498	6	89,478
1/4		1/4	190,084	1/4	179,751	1/4	169,418	1/4	159,052	1/4	148,576	1/4	134,190	1/4	119,190	1/4	104,185	1/4	89,165
1/2		1/2	189,869	1/2	179,536	1/2	169,203	1/2	158,836	1/2	148,329	1/2	133,878	1/2	118,878	1/2	103,872	1/2	88,852
3/4		3/4	189,654	3/4	179,320	3/4	168,987	3/4	158,620	3/4	148,082	3/4	133,565	3/4	118,565	3/4	103,559	3/4	88,539
7		7	189,439	7	179,105	7	168,772	7	158,404	7	147,834	7	133,253	7	118,253	7	103,246	7	88,226
1/4		1/4	189,224	1/4	178,890	1/4	168,556	1/4	158,188	1/4	147,571	1/4	132,940	1/4	117,940	1/4	102,933	1/4	87,913
1/2		1/2	189,008	1/2	178,674	1/2	168,341	1/2	157,972	1/2	147,308	1/2	132,628	1/2	117,628	1/2	102,620	1/2	87,601
3/4		3/4	188,793	3/4	178,459	3/4	168,125	3/4	157,756	3/4	147,044	3/4	132,315	3/4	117,315	3/4	102,308	3/4	87,288
8		8	188,578	8	178,244	8	167,909	8	157,540	8	146,781	8	132,003	8	117,003	8	101,995	8	86,975
1/4		1/4	188,362	1/4	178,029	1/4	167,693	1/4	157,324	1/4	146,502	1/4	131,690	1/4	116,690	1/4	101,682	1/4	86,662
1/2		1/2	188,147	1/2	177,813	1/2	167,477	1/2	157,108	1/2	146,223	1/2	131,378	1/2	116,378	1/2	101,369	1/2	86,349
3/4		3/4	187,931	3/4	177,598	3/4	167,261	3/4	156,892	3/4	145,943	3/4	131,065	3/4	116,065	3/4	101,056	3/4	86,036
9		9	187,716	9	177,383	9	167,045	9	156,676	9	145,664	9	130,753	9	115,753	9	100,743	9	85,723
1/4		1/4	187,501	1/4	177,168	1/4	166,829	1/4	156,460	1/4	145,369	1/4	130,440	1/4	115,440	1/4	100,430	1/4	85,410
1/2		1/2	187,285	1/2	176,952	1/2	166,613	1/2	156,244	1/2	145,073	1/2	130,128	1/2	115,128	1/2	100,117	1/2	85,097
3/4		3/4	187,070	3/4	176,737	3/4	166,397	3/4	156,028	3/4	144,778	3/4	129,815	3/4	114,815	3/4	99,804	3/4	84,784
10		10	186,855	10	176,522	10	166,181	10	155,812	10	144,482	10	129,503	10	114,503	10	99,491	10	84,471
1/4		1/4	186,639	1/4	176,306	1/4	165,965	1/4	155,596	1/4	144,175	1/4	129,190	1/4	114,190	1/4	99,178	1/4	84,158
1/2		1/2	186,424	1/2	176,091	1/2	165,749	1/2	155,380	1/2	143,867	1/2	128,878	1/2	113,878	1/2	98,865	1/2	83,846
3/4		3/4	186,209	3/4	175,876	3/4	165,533	3/4	155,164	3/4	143,559	3/4	128,565	3/4	113,565	3/4	98,553	3/4	83,533
11		11	185,994	11	175,661	11	165,317	11	154,948	11	143,251	11	128,253	11	113,253	11	98,240	11	83,220
1/4		1/4	185,778	1/4	175,445	1/4	165,101	1/4	154,731	1/4	142,939	1/4	127,940	1/4	112,940	1/4	97,927	1/4	82,907
1/2		1/2	185,563	1/2	175,230	1/2	164,885	1/2	154,515	1/2	142,627	1/2	127,628	1/2	112,628	1/2	97,614	1/2	82,594
3/4		3/4	185,348	3/4	175,015	3/4	164,669	3/4	154,299	3/4	142,315	3/4	127,315	3/4	112,315	3/4	97,301	3/4	82,281

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE OR 8" HATCH.

GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 41'-09" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 40'-09" FORWARD OF AFT BULKHEAD

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HSM 3039"

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	81,968	0	66,948	0	51,928	0	36,923	0	21,907	0	6,887	0		0		0		0	
1/4	81,655	1/4	66,635	1/4	51,615	1/4	36,611	1/4	21,594	1/4	6,574	1/4		1/4		1/4		1/4	
1/2	81,342	1/2	66,322	1/2	51,302	1/2	36,298	1/2	21,281	1/2	6,261	1/2		1/2		1/2		1/2	
3/4	81,029	3/4	66,009	3/4	50,989	3/4	35,986	3/4	20,968	3/4	5,949	3/4		3/4		3/4		3/4	
1	80,716	1	65,696	1	50,677	1	35,674	1	20,655	1	5,636	1		1		1		1	
1/4	80,403	1/4	65,384	1/4	50,364	1/4	35,361	1/4	20,342	1/4	5,323	1/4		1/4		1/4		1/4	
1/2	80,091	1/2	65,071	1/2	50,051	1/2	35,048	1/2	20,029	1/2	5,010	1/2		1/2		1/2		1/2	
3/4	79,778	3/4	64,758	3/4	49,738	3/4	34,736	3/4	19,716	3/4	4,698	3/4		3/4		3/4		3/4	
2	79,465	2	64,445	2	49,425	2	34,423	2	19,403	2	4,385	2		2		2		2	
1/4	79,152	1/4	64,132	1/4	49,112	1/4	34,110	1/4	19,091	1/4	4,073	1/4		1/4		1/4		1/4	
1/2	78,839	1/2	63,819	1/2	48,799	1/2	33,797	1/2	18,778	1/2	3,761	1/2		1/2		1/2		1/2	
3/4	78,526	3/4	63,506	3/4	48,486	3/4	33,484	3/4	18,465	3/4	3,449	3/4		3/4		3/4		3/4	
3	78,213	3	63,193	3	48,173	3	33,171	3	18,152	3	3,137	3		3		3		3	
1/4	77,900	1/4	62,880	1/4	47,860	1/4	32,858	1/4	17,839	1/4	2,845	1/4		1/4		1/4		1/4	
1/2	77,587	1/2	62,567	1/2	47,548	1/2	32,546	1/2	17,526	1/2	2,552	1/2		1/2		1/2		1/2	
3/4	77,274	3/4	62,254	3/4	47,235	3/4	32,233	3/4	17,213	3/4	2,260	3/4		3/4		3/4		3/4	
4	76,961	4	61,941	4	46,922	4	31,920	4	16,900	4	1,967	4		4		4		4	
1/4	76,648	1/4	61,629	1/4	46,609	1/4	31,607	1/4	16,587	1/4	1,732	1/4		1/4		1/4		1/4	
1/2	76,336	1/2	61,316	1/2	46,297	1/2	31,294	1/2	16,274	1/2	1,498	1/2		1/2		1/2		1/2	
3/4	76,023	3/4	61,003	3/4	45,984	3/4	30,981	3/4	15,961	3/4	1,263	3/4		3/4		3/4		3/4	
5	75,710	5	60,690	5	45,671	5	30,668	5	15,649	5	1,029	5		5		5		5	
1/4	75,397	1/4	60,377	1/4	45,359	1/4	30,355	1/4	15,336	1/4		1/4		1/4		1/4		1/4	
1/2	75,084	1/2	60,064	1/2	45,046	1/2	30,042	1/2	15,023	1/2		1/2		1/2		1/2		1/2	
3/4	74,771	3/4	59,751	3/4	44,734	3/4	29,729	3/4	14,710	3/4		3/4		3/4		3/4		3/4	
6	74,458	6	59,438	6	44,421	6	29,416	6	14,397	6		6		6		6		6	
1/4	74,145	1/4	59,125	1/4	44,109	1/4	29,104	1/4	14,084	1/4		1/4		1/4		1/4		1/4	
1/2	73,832	1/2	58,812	1/2	43,796	1/2	28,791	1/2	13,771	1/2		1/2		1/2		1/2		1/2	
3/4	73,519	3/4	58,499	3/4	43,484	3/4	28,478	3/4	13,458	3/4		3/4		3/4		3/4		3/4	
7	73,206	7	58,186	7	43,172	7	28,165	7	13,145	7		7		7		7		7	
1/4	72,894	1/4	57,874	1/4	42,859	1/4	27,852	1/4	12,832	1/4		1/4		1/4		1/4		1/4	
1/2	72,581	1/2	57,561	1/2	42,547	1/2	27,539	1/2	12,520	1/2		1/2		1/2		1/2		1/2	
3/4	72,268	3/4	57,248	3/4	42,234	3/4	27,226	3/4	12,207	3/4		3/4		3/4		3/4		3/4	
8	71,955	8	56,935	8	41,922	8	26,913	8	11,894	8		8		8		8		8	
1/4	71,642	1/4	56,622	1/4	41,610	1/4	26,600	1/4	11,581	1/4		1/4		1/4		1/4		1/4	
1/2	71,329	1/2	56,309	1/2	41,297	1/2	26,287	1/2	11,268	1/2		1/2		1/2		1/2		1/2	
3/4	71,016	3/4	55,996	3/4	40,985	3/4	25,974	3/4	10,955	3/4		3/4		3/4		3/4		3/4	
9	70,703	9	55,683	9	40,672	9	25,662	9	10,642	9		9		9		9		9	
1/4	70,390	1/4	55,370	1/4	40,360	1/4	25,349	1/4	10,329	1/4		1/4		1/4		1/4		1/4	
1/2	70,077	1/2	55,057	1/2	40,047	1/2	25,036	1/2	10,016	1/2		1/2		1/2		1/2		1/2	
3/4	69,764	3/4	54,744	3/4	39,735	3/4	24,723	3/4	9,703	3/4		3/4		3/4		3/4		3/4	
10	69,451	10	54,432	10	39,423	10	24,410	10	9,390	10		10		10		10		10	
1/4	69,139	1/4	54,119	1/4	39,110	1/4	24,097	1/4	9,078	1/4		1/4		1/4		1/4		1/4	
1/2	68,826	1/2	53,806	1/2	38,798	1/2	23,784	1/2	8,765	1/2		1/2		1/2		1/2		1/2	
3/4	68,513	3/4	53,493	3/4	38,485	3/4	23,471	3/4	8,452	3/4		3/4		3/4		3/4		3/4	
11	68,200	11	53,180	11	38,173	11	23,158	11	8,139	11		11		11		11		11	
1/4	67,887	1/4	52,867	1/4	37,861	1/4	22,845	1/4	7,826	1/4		1/4		1/4		1/4		1/4	
1/2	67,574	1/2	52,554	1/2	37,548	1/2	22,533	1/2	7,513	1/2		1/2		1/2		1/2		1/2	
3/4	67,261	3/4	52,241	3/4	37,236	3/4	22,220	3/4	7,200	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/11/2020 CL
CALCULATED: 02/11/2020 CL
PRINTED: 02/12/2020 CL

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2020



BARGE "HSM 3039"

PORT SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-06 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	0	0	0	4,209	0	3,054	0	1,901	0	746	0	0	0	0	0	0	0	0
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	1/4
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	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	3/4
1	1	1	1	1	4,113	1	2,958	1	1,804	1	650	1	1	1	1	1	1	1	1
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	1/4
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	1/2
3/4	3/4	3/4	3/4	3/4	5,140	3/4	4,041	3/4	2,886	3/4	1,732	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	4,017	2	2,862	2	1,708	2	553	2	2	2	2	2	2	2	2
1/4	1/4	1/4	1/4	1/4	3,993	1/4	2,838	1/4	1,684	1/4	529	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	3,969	1/2	2,814	1/2	1,660	1/2	505	1/2	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	3/4
3	3	3	3	3	5,070	3	3,921	3	2,766	3	457	3	3	3	3	3	3	3	3
1/4	1/4	1/4	1/4	1/4	3,897	1/4	2,742	1/4	1,588	1/4	433	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	3,873	1/2	2,718	1/2	1,564	1/2	409	1/2	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	2,693	3/4	385	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	4	4,975	4	3,824	4	2,669	4	361	4	4	4	4	4	4	4	4
1/4	1/4	1/4	1/4	1/4	3,800	1/4	2,645	1/4	1,492	1/4	337	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	3,776	1/2	2,621	1/2	1,468	1/2	313	1/2	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	3/4
5	5	5	5	5	4,881	5	3,728	5	2,573	5	265	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1/4	1/4	3,704	1/4	2,550	1/4	1,395	1/4	241	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	3,680	1/2	2,526	1/2	1,371	1/2	217	1/2	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	192	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	4,786	6	3,632	6	2,478	6	168	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1/4	1/4	3,608	1/4	2,454	1/4	1,299	1/4	144	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	3,584	1/2	2,430	1/2	1,275	1/2	120	1/2	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	3/4
7	7	7	7	7	4,691	7	3,536	7	2,382	7	1,227	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1/4	1/4	3,512	1/4	2,358	1/4	1,203	1/4	7	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	3,488	1/2	2,334	1/2	1,179	1/2	1,179	1/2	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	3/4
8	8	8	8	8	4,594	8	3,439	8	2,286	8	1,131	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1/4	1/4	3,415	1/4	2,262	1/4	1,107	1/4	1,107	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	3,391	1/2	2,238	1/2	1,083	1/2	1,083	1/2	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	3/4
9	9	9	9	9	4,498	9	3,343	9	2,189	9	1,035	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1/4	1/4	3,319	1/4	2,165	1/4	1,011	1/4	1,011	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	3,295	1/2	2,141	1/2	987	1/2	987	1/2	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	962	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	4,402	10	3,247	10	2,093	10	938	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1/4	1/4	3,223	1/4	2,069	1/4	914	1/4	914	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	3,199	1/2	2,045	1/2	890	1/2	890	1/2	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	3/4
11	11	11	11	11	4,306	11	3,151	11	1,997	11	842	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1/4	1/4	3,127	1/4	1,973	1/4	818	1/4	818	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	3,103	1/2	1,949	1/2	794	1/2	794	1/2	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	3,078	3/4	1,925	3/4	770	3/4	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: 02/11/2020 CL
CALCULATED: 02/11/2020 CL
PRINTED: 02/12/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2020

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "HSM 3039"

STBD SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-07"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0	4,234	0	3,079	0	1,925	0	770	0		0		0		0	
1/4	1/4	1/4	1/4	1/4	4,210	1/4	3,054	1/4	1,901	1/4	746	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,185	1/2	3,030	1/2	1,877	1/2	722	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,161	3/4	3,006	3/4	1,853	3/4	698	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	4,137	1	2,982	1	1,829	1	674	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	4,113	1/4	2,958	1/4	1,805	1/4	650	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,089	1/2	2,934	1/2	1,780	1/2	626	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,065	3/4	2,910	3/4	1,756	3/4	602	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	5,140	2	4,041	2	2,886	2	1,732	2	2	2	2	2	2	2	2
1/4	1/4	1/4	1/4	1/4	5,128	1/4	4,017	1/4	2,862	1/4	1,708	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	5,117	1/2	3,993	1/2	2,838	1/2	1,684	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	5,105	3/4	3,969	3/4	2,814	3/4	1,660	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	3	3	5,093	3	3,945	3	2,790	3	1,636	3	3	3	3	3	3	3	3
1/4	1/4	1/4	1/4	1/4	5,070	1/4	3,921	1/4	2,766	1/4	1,612	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	5,046	1/2	3,897	1/2	2,742	1/2	1,588	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	5,023	3/4	3,873	3/4	2,718	3/4	1,564	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	4	4,999	4	3,849	4	2,694	4	1,540	4	4	4	4	4	4	4	4
1/4	1/4	1/4	1/4	1/4	4,975	1/4	3,825	1/4	2,670	1/4	1,516	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,952	1/2	3,800	1/2	2,646	1/2	1,492	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,928	3/4	3,776	3/4	2,622	3/4	1,468	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	4,904	5	3,752	5	2,597	5	1,444	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1/4	1/4	4,881	1/4	3,728	1/4	2,574	1/4	1,419	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,857	1/2	3,704	1/2	2,550	1/2	1,395	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,833	3/4	3,680	3/4	2,526	3/4	1,371	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	4,810	6	3,656	6	2,502	6	1,347	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1/4	1/4	4,786	1/4	3,632	1/4	2,478	1/4	1,323	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,762	1/2	3,608	1/2	2,454	1/2	1,299	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,739	3/4	3,584	3/4	2,430	3/4	1,275	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	7	4,715	7	3,560	7	2,406	7	1,251	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1/4	1/4	4,691	1/4	3,536	1/4	2,382	1/4	1,227	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,667	1/2	3,512	1/2	2,358	1/2	1,203	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,643	3/4	3,488	3/4	2,334	3/4	1,179	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	8	4,619	8	3,464	8	2,310	8	1,155	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1/4	1/4	4,595	1/4	3,440	1/4	2,286	1/4	1,131	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,570	1/2	3,415	1/2	2,262	1/2	1,107	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,546	3/4	3,391	3/4	2,238	3/4	1,083	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	9	4,522	9	3,367	9	2,214	9	1,059	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1/4	1/4	4,498	1/4	3,343	1/4	2,190	1/4	1,035	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,474	1/2	3,319	1/2	2,165	1/2	1,011	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,450	3/4	3,295	3/4	2,141	3/4	987	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	4,426	10	3,271	10	2,117	10	963	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1/4	1/4	4,402	1/4	3,247	1/4	2,093	1/4	938	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,378	1/2	3,223	1/2	2,069	1/2	914	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,354	3/4	3,199	3/4	2,045	3/4	890	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	4,330	11	3,175	11	2,021	11	866	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1/4	1/4	4,306	1/4	3,151	1/4	1,997	1/4	842	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,282	1/2	3,127	1/2	1,973	1/2	818	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,258	3/4	3,103	3/4	1,949	3/4	794	3/4	3/4	3/4	3/4	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: 02/11/2020 CL
CALCULATED: 02/11/2020 CL
PRINTED: 02/12/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2020

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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