



BARGE "HSM 3043"

INNAGE TRIM TABLE "MMC"

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

(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 1 PORT IS 00-1/8"
FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 238'-09"

May 12, 2019

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HSM 3043"

1 PORT INNAGE TABLE

GAUGE HEIGHT 15'-07 3/4"

CAPACITIES GIVEN IN WHOLE GALLONS

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	329	0	13,322	0	28,287	0	43,232	0	58,312	0	73,401	0	88,490	0	103,579	0	118,667	0	133,756
1/4	531	1/4	13,623	1/4	28,601	1/4	43,544	1/4	58,627	1/4	73,715	1/4	88,804	1/4	103,893	1/4	118,982	1/4	134,071
1/2	733	1/2	13,923	1/2	28,915	1/2	43,856	1/2	58,941	1/2	74,030	1/2	89,119	1/2	104,207	1/2	119,296	1/2	134,385
3/4	935	3/4	14,224	3/4	29,230	3/4	44,169	3/4	59,255	3/4	74,344	3/4	89,433	3/4	104,522	3/4	119,610	3/4	134,699
1	1,137	1	14,525	1	29,544	1	44,481	1	59,570	1	74,658	1	89,747	1	104,836	1	119,925	1	135,014
1/4	1,391	1/4	14,830	1/4	29,855	1/4	44,795	1/4	59,884	1/4	74,973	1/4	90,062	1/4	105,150	1/4	120,239	1/4	135,328
1/2	1,645	1/2	15,134	1/2	30,166	1/2	45,110	1/2	60,198	1/2	75,287	1/2	90,376	1/2	105,465	1/2	120,554	1/2	135,642
3/4	1,900	3/4	15,439	3/4	30,477	3/4	45,424	3/4	60,513	3/4	75,602	3/4	90,690	3/4	105,779	3/4	120,868	3/4	135,957
2	2,154	2	15,744	2	30,788	2	45,738	2	60,827	2	75,916	2	91,005	2	106,093	2	121,182	2	136,271
1/4	2,414	1/4	16,052	1/4	31,098	1/4	46,053	1/4	61,141	1/4	76,230	1/4	91,319	1/4	106,408	1/4	121,497	1/4	136,585
1/2	2,674	1/2	16,361	1/2	31,409	1/2	46,367	1/2	61,456	1/2	76,545	1/2	91,633	1/2	106,722	1/2	121,811	1/2	136,900
3/4	2,934	3/4	16,669	3/4	31,720	3/4	46,681	3/4	61,770	3/4	76,859	3/4	91,948	3/4	107,036	3/4	122,125	3/4	137,214
3	3,194	3	16,978	3	32,031	3	46,996	3	62,085	3	77,173	3	92,262	3	107,351	3	122,440	3	137,528
1/4	3,459	1/4	17,290	1/4	32,342	1/4	47,310	1/4	62,399	1/4	77,488	1/4	92,576	1/4	107,665	1/4	122,754	1/4	137,843
1/2	3,724	1/2	17,603	1/2	32,653	1/2	47,624	1/2	62,713	1/2	77,802	1/2	92,891	1/2	107,980	1/2	123,068	1/2	138,157
3/4	3,989	3/4	17,915	3/4	32,964	3/4	47,939	3/4	63,028	3/4	78,116	3/4	93,205	3/4	108,294	3/4	123,383	3/4	138,471
4	4,254	4	18,228	4	33,275	4	48,253	4	63,342	4	78,431	4	93,519	4	108,608	4	123,697	4	138,786
1/4	4,523	1/4	18,542	1/4	33,586	1/4	48,567	1/4	63,656	1/4	78,745	1/4	93,834	1/4	108,923	1/4	124,011	1/4	139,100
1/2	4,793	1/2	18,856	1/2	33,897	1/2	48,882	1/2	63,971	1/2	79,059	1/2	94,148	1/2	109,237	1/2	124,326	1/2	139,414
3/4	5,062	3/4	19,171	3/4	34,207	3/4	49,196	3/4	64,285	3/4	79,374	3/4	94,463	3/4	109,551	3/4	124,640	3/4	139,729
5	5,331	5	19,485	5	34,518	5	49,511	5	64,599	5	79,688	5	94,777	5	109,866	5	124,954	5	140,043
1/4	5,605	1/4	19,799	1/4	34,829	1/4	49,825	1/4	64,914	1/4	80,002	1/4	95,091	1/4	110,180	1/4	125,269	1/4	140,358
1/2	5,879	1/2	20,114	1/2	35,140	1/2	50,139	1/2	65,228	1/2	80,317	1/2	95,406	1/2	110,494	1/2	125,583	1/2	140,672
3/4	6,152	3/4	20,428	3/4	35,451	3/4	50,454	3/4	65,542	3/4	80,631	3/4	95,720	3/4	110,809	3/4	125,897	3/4	140,986
6	6,426	6	20,742	6	35,762	6	50,768	6	65,857	6	80,945	6	96,034	6	111,123	6	126,212	6	141,301
1/4	6,704	1/4	21,057	1/4	36,073	1/4	51,082	1/4	66,171	1/4	81,260	1/4	96,349	1/4	111,437	1/4	126,526	1/4	141,615
1/2	6,981	1/2	21,371	1/2	36,384	1/2	51,397	1/2	66,485	1/2	81,574	1/2	96,663	1/2	111,752	1/2	126,841	1/2	141,929
3/4	7,259	3/4	21,685	3/4	36,695	3/4	51,711	3/4	66,800	3/4	81,889	3/4	96,977	3/4	112,066	3/4	127,155	3/4	142,244
7	7,537	7	22,000	7	37,006	7	52,025	7	67,114	7	82,203	7	97,292	7	112,380	7	127,469	7	142,558
1/4	7,818	1/4	22,314	1/4	37,317	1/4	52,340	1/4	67,428	1/4	82,517	1/4	97,606	1/4	112,695	1/4	127,784	1/4	142,872
1/2	8,100	1/2	22,628	1/2	37,627	1/2	52,654	1/2	67,743	1/2	82,832	1/2	97,920	1/2	113,009	1/2	128,098	1/2	143,187
3/4	8,381	3/4	22,943	3/4	37,938	3/4	52,968	3/4	68,057	3/4	83,146	3/4	98,235	3/4	113,323	3/4	128,412	3/4	143,501
8	8,663	8	23,257	8	38,249	8	53,283	8	68,371	8	83,460	8	98,549	8	113,638	8	128,727	8	143,815
1/4	8,948	1/4	23,571	1/4	38,560	1/4	53,597	1/4	68,686	1/4	83,775	1/4	98,863	1/4	113,952	1/4	129,041	1/4	144,130
1/2	9,233	1/2	23,886	1/2	38,871	1/2	53,911	1/2	69,000	1/2	84,089	1/2	99,178	1/2	114,267	1/2	129,355	1/2	144,444
3/4	9,519	3/4	24,200	3/4	39,182	3/4	54,226	3/4	69,315	3/4	84,403	3/4	99,492	3/4	114,581	3/4	129,670	3/4	144,758
9	9,804	9	24,514	9	39,493	9	54,540	9	69,629	9	84,718	9	99,806	9	114,895	9	129,984	9	145,073
1/4	10,094	1/4	24,829	1/4	39,804	1/4	54,854	1/4	69,943	1/4	85,032	1/4	100,121	1/4	115,210	1/4	130,298	1/4	145,387
1/2	10,383	1/2	25,143	1/2	40,115	1/2	55,169	1/2	70,258	1/2	85,346	1/2	100,435	1/2	115,524	1/2	130,613	1/2	145,701
3/4	10,672	3/4	25,457	3/4	40,427	3/4	55,483	3/4	70,572	3/4	85,661	3/4	100,749	3/4	115,838	3/4	130,927	3/4	146,016
10	10,961	10	25,772	10	40,738	10	55,798	10	70,886	10	85,975	10	101,064	10	116,153	10	131,241	10	146,330
1/4	11,254	1/4	26,086	1/4	41,049	1/4	56,112	1/4	71,201	1/4	86,289	1/4	101,378	1/4	116,467	1/4	131,556	1/4	146,645
1/2	11,548	1/2	26,400	1/2	41,360	1/2	56,426	1/2	71,515	1/2	86,604	1/2	101,693	1/2	116,781	1/2	131,870	1/2	146,959
3/4	11,841	3/4	26,715	3/4	41,672	3/4	56,741	3/4	71,829	3/4	86,918	3/4	102,007	3/4	117,096	3/4	132,184	3/4	147,273
11	12,134	11	27,029	11	41,983	11	57,055	11	72,144	11	87,232	11	102,321	11	117,410	11	132,499	11	147,588
1/4	12,431	1/4	27,344	1/4	42,295	1/4	57,369	1/4	72,458	1/4	87,547	1/4	102,636	1/4	117,724	1/4	132,813	1/4	147,902
1/2	12,728	1/2	27,658	1/2	42,607	1/2	57,684	1/2	72,772	1/2	87,861	1/2	102,950	1/2	118,039	1/2	133,127	1/2	148,216
3/4	13,025	3/4	27,972	3/4	42,920	3/4	57,998	3/4	73,087	3/4	88,176	3/4	103,264	3/4	118,353	3/4	133,442	3/4	148,531

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 INNAGE GAUGES TAKEN TO TOP LIP OF 2" MMC VALVE
GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Tom Pearson



BARGE "HSM 3043"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-07 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	148,845	0	163,934	0	179,023	0	194,082	0	209,099	0		0		0		0		0	
1/4	149,159	1/4	164,248	1/4	179,337	1/4	194,396	1/4	209,374	1/4		1/4		1/4		1/4		1/4	
1/2	149,474	1/2	164,562	1/2	179,651	1/2	194,709	1/2	209,648	1/2		1/2		1/2		1/2		1/2	
3/4	149,788	3/4	164,877	3/4	179,966	3/4	195,022	3/4	209,922	3/4		3/4		3/4		3/4		3/4	
1	150,102	1	165,191	1	180,280	1	195,336	1	210,196	1		1		1		1		1	
1/4	150,417	1/4	165,505	1/4	180,594	1/4	195,649	1/4	210,425	1/4		1/4		1/4		1/4		1/4	
1/2	150,731	1/2	165,820	1/2	180,909	1/2	195,963	1/2	210,653	1/2		1/2		1/2		1/2		1/2	
3/4	151,045	3/4	166,134	3/4	181,223	3/4	196,276	3/4	210,882	3/4		3/4		3/4		3/4		3/4	
2	151,360	2	166,449	2	181,537	2	196,590	2	211,111	2		2		2		2		2	
1/4	151,674	1/4	166,763	1/4	181,852	1/4	196,903	1/4	211,300	1/4		1/4		1/4		1/4		1/4	
1/2	151,988	1/2	167,077	1/2	182,166	1/2	197,216	1/2	211,489	1/2		1/2		1/2		1/2		1/2	
3/4	152,303	3/4	167,392	3/4	182,480	3/4	197,530	3/4	211,679	3/4		3/4		3/4		3/4		3/4	
3	152,617	3	167,706	3	182,795	3	197,843	3	211,868	3		3		3		3		3	
1/4	152,932	1/4	168,020	1/4	183,109	1/4	198,157	1/4	212,018	1/4		1/4		1/4		1/4		1/4	
1/2	153,246	1/2	168,335	1/2	183,423	1/2	198,470	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,560	3/4	168,649	3/4	183,738	3/4	198,784	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,875	4	168,963	4	184,052	4	199,097	4		4		4		4		4		4	
1/4	154,189	1/4	169,278	1/4	184,366	1/4	199,411	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,503	1/2	169,592	1/2	184,679	1/2	199,724	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,818	3/4	169,906	3/4	184,992	3/4	200,037	3/4		3/4		3/4		3/4		3/4		3/4	
5	155,132	5	170,221	5	185,306	5	200,351	5		5		5		5		5		5	
1/4	155,446	1/4	170,535	1/4	185,619	1/4	200,664	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,761	1/2	170,849	1/2	185,933	1/2	200,978	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,075	3/4	171,164	3/4	186,246	3/4	201,291	3/4		3/4		3/4		3/4		3/4		3/4	
6	156,389	6	171,478	6	186,560	6	201,605	6		6		6		6		6		6	
1/4	156,704	1/4	171,792	1/4	186,873	1/4	201,918	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,018	1/2	172,107	1/2	187,186	1/2	202,231	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,332	3/4	172,421	3/4	187,500	3/4	202,545	3/4		3/4		3/4		3/4		3/4		3/4	
7	157,647	7	172,736	7	187,813	7	202,858	7		7		7		7		7		7	
1/4	157,961	1/4	173,050	1/4	188,127	1/4	203,172	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,275	1/2	173,364	1/2	188,440	1/2	203,485	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,590	3/4	173,679	3/4	188,754	3/4	203,799	3/4		3/4		3/4		3/4		3/4		3/4	
8	158,904	8	173,993	8	189,067	8	204,112	8		8		8		8		8		8	
1/4	159,219	1/4	174,307	1/4	189,381	1/4	204,426	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,533	1/2	174,622	1/2	189,694	1/2	204,739	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,847	3/4	174,936	3/4	190,007	3/4	205,052	3/4		3/4		3/4		3/4		3/4		3/4	
9	160,162	9	175,250	9	190,321	9	205,366	9		9		9		9		9		9	
1/4	160,476	1/4	175,565	1/4	190,634	1/4	205,679	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,790	1/2	175,879	1/2	190,948	1/2	205,992	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,105	3/4	176,193	3/4	191,261	3/4	206,306	3/4		3/4		3/4		3/4		3/4		3/4	
10	161,419	10	176,508	10	191,575	10	206,619	10		10		10		10		10		10	
1/4	161,733	1/4	176,822	1/4	191,888	1/4	206,931	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,048	1/2	177,136	1/2	192,201	1/2	207,244	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,362	3/4	177,451	3/4	192,515	3/4	207,557	3/4		3/4		3/4		3/4		3/4		3/4	
11	162,676	11	177,765	11	192,828	11	207,869	11		11		11		11		11		11	
1/4	162,991	1/4	178,079	1/4	193,142	1/4	208,177	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,305	1/2	178,394	1/2	193,455	1/2	208,484	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,619	3/4	178,708	3/4	193,769	3/4	208,792	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 04/23/2019 CL
CALCULATED: 05/09/2019 CL
PRINTED: 05/12/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 3043"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08"

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	328	0	13,301	0	28,246	0	43,284	0	58,352	0	73,421	0	88,490	0	103,559	0	118,627	0	133,696
1/4	529	1/4	13,601	1/4	28,559	1/4	43,598	1/4	58,666	1/4	73,735	1/4	88,804	1/4	103,873	1/4	118,941	1/4	134,010
1/2	731	1/2	13,902	1/2	28,873	1/2	43,912	1/2	58,980	1/2	74,049	1/2	89,118	1/2	104,186	1/2	119,255	1/2	134,324
3/4	933	3/4	14,202	3/4	29,187	3/4	44,226	3/4	59,294	3/4	74,363	3/4	89,432	3/4	104,500	3/4	119,569	3/4	134,638
1	1,134	1	14,502	1	29,501	1	44,539	1	59,608	1	74,677	1	89,746	1	104,814	1	119,883	1	134,952
1/4	1,388	1/4	14,807	1/4	29,814	1/4	44,853	1/4	59,922	1/4	74,991	1/4	90,060	1/4	105,128	1/4	120,197	1/4	135,266
1/2	1,642	1/2	15,111	1/2	30,127	1/2	45,167	1/2	60,236	1/2	75,305	1/2	90,373	1/2	105,442	1/2	120,511	1/2	135,580
3/4	1,896	3/4	15,415	3/4	30,441	3/4	45,481	3/4	60,550	3/4	75,619	3/4	90,687	3/4	105,756	3/4	120,825	3/4	135,894
2	2,150	2	15,720	2	30,754	2	45,795	2	60,864	2	75,933	2	91,001	2	106,070	2	121,139	2	136,207
1/4	2,410	1/4	16,028	1/4	31,067	1/4	46,109	1/4	61,178	1/4	76,247	1/4	91,315	1/4	106,384	1/4	121,453	1/4	136,521
1/2	2,669	1/2	16,336	1/2	31,380	1/2	46,423	1/2	61,492	1/2	76,560	1/2	91,629	1/2	106,698	1/2	121,767	1/2	136,835
3/4	2,929	3/4	16,644	3/4	31,693	3/4	46,737	3/4	61,806	3/4	76,874	3/4	91,943	3/4	107,012	3/4	122,081	3/4	137,149
3	3,189	3	16,952	3	32,006	3	47,051	3	62,120	3	77,188	3	92,257	3	107,326	3	122,394	3	137,463
1/4	3,453	1/4	17,264	1/4	32,319	1/4	47,365	1/4	62,434	1/4	77,502	1/4	92,571	1/4	107,640	1/4	122,708	1/4	137,777
1/2	3,717	1/2	17,576	1/2	32,632	1/2	47,679	1/2	62,748	1/2	77,816	1/2	92,885	1/2	107,954	1/2	123,022	1/2	138,091
3/4	3,982	3/4	17,888	3/4	32,945	3/4	47,993	3/4	63,061	3/4	78,130	3/4	93,199	3/4	108,268	3/4	123,336	3/4	138,405
4	4,246	4	18,200	4	33,258	4	48,307	4	63,375	4	78,444	4	93,513	4	108,581	4	123,650	4	138,719
1/4	4,515	1/4	18,514	1/4	33,572	1/4	48,621	1/4	63,689	1/4	78,758	1/4	93,827	1/4	108,895	1/4	123,964	1/4	139,033
1/2	4,784	1/2	18,828	1/2	33,885	1/2	48,935	1/2	64,003	1/2	79,072	1/2	94,141	1/2	109,209	1/2	124,278	1/2	139,347
3/4	5,053	3/4	19,142	3/4	34,198	3/4	49,248	3/4	64,317	3/4	79,386	3/4	94,455	3/4	109,523	3/4	124,592	3/4	139,661
5	5,322	5	19,456	5	34,511	5	49,562	5	64,631	5	79,700	5	94,769	5	109,837	5	124,906	5	139,975
1/4	5,595	1/4	19,770	1/4	34,824	1/4	49,876	1/4	64,945	1/4	80,014	1/4	95,082	1/4	110,151	1/4	125,220	1/4	140,289
1/2	5,869	1/2	20,084	1/2	35,137	1/2	50,190	1/2	65,259	1/2	80,328	1/2	95,396	1/2	110,465	1/2	125,534	1/2	140,603
3/4	6,142	3/4	20,397	3/4	35,450	3/4	50,504	3/4	65,573	3/4	80,642	3/4	95,710	3/4	110,779	3/4	125,848	3/4	140,916
6	6,415	6	20,711	6	35,763	6	50,818	6	65,887	6	80,956	6	96,024	6	111,093	6	126,162	6	141,230
1/4	6,692	1/4	21,025	1/4	36,076	1/4	51,132	1/4	66,201	1/4	81,269	1/4	96,338	1/4	111,407	1/4	126,476	1/4	141,544
1/2	6,970	1/2	21,339	1/2	36,389	1/2	51,446	1/2	66,515	1/2	81,583	1/2	96,652	1/2	111,721	1/2	126,790	1/2	141,858
3/4	7,247	3/4	21,653	3/4	36,703	3/4	51,760	3/4	66,829	3/4	81,897	3/4	96,966	3/4	112,035	3/4	127,103	3/4	142,172
7	7,524	7	21,967	7	37,016	7	52,074	7	67,143	7	82,211	7	97,280	7	112,349	7	127,417	7	142,486
1/4	7,805	1/4	22,281	1/4	37,329	1/4	52,388	1/4	67,456	1/4	82,525	1/4	97,594	1/4	112,663	1/4	127,731	1/4	142,800
1/2	8,086	1/2	22,595	1/2	37,642	1/2	52,702	1/2	67,770	1/2	82,839	1/2	97,908	1/2	112,977	1/2	128,045	1/2	143,114
3/4	8,367	3/4	22,909	3/4	37,955	3/4	53,016	3/4	68,084	3/4	83,153	3/4	98,222	3/4	113,290	3/4	128,359	3/4	143,428
8	8,648	8	23,223	8	38,268	8	53,330	8	68,398	8	83,467	8	98,536	8	113,604	8	128,673	8	143,742
1/4	8,933	1/4	23,537	1/4	38,581	1/4	53,644	1/4	68,712	1/4	83,781	1/4	98,850	1/4	113,918	1/4	128,987	1/4	144,056
1/2	9,218	1/2	23,851	1/2	38,894	1/2	53,957	1/2	69,026	1/2	84,095	1/2	99,164	1/2	114,232	1/2	129,301	1/2	144,370
3/4	9,503	3/4	24,165	3/4	39,207	3/4	54,271	3/4	69,340	3/4	84,409	3/4	99,477	3/4	114,546	3/4	129,615	3/4	144,684
9	9,788	9	24,478	9	39,521	9	54,585	9	69,654	9	84,723	9	99,791	9	114,860	9	129,929	9	144,998
1/4	10,077	1/4	24,792	1/4	39,834	1/4	54,899	1/4	69,968	1/4	85,037	1/4	100,105	1/4	115,174	1/4	130,243	1/4	145,311
1/2	10,366	1/2	25,106	1/2	40,147	1/2	55,213	1/2	70,282	1/2	85,351	1/2	100,419	1/2	115,488	1/2	130,557	1/2	145,625
3/4	10,655	3/4	25,420	3/4	40,461	3/4	55,527	3/4	70,596	3/4	85,665	3/4	100,733	3/4	115,802	3/4	130,871	3/4	145,939
10	10,944	10	25,734	10	40,774	10	55,841	10	70,910	10	85,978	10	101,047	10	116,116	10	131,185	10	146,253
1/4	11,236	1/4	26,048	1/4	41,088	1/4	56,155	1/4	71,224	1/4	86,292	1/4	101,361	1/4	116,430	1/4	131,498	1/4	146,567
1/2	11,529	1/2	26,362	1/2	41,401	1/2	56,469	1/2	71,538	1/2	86,606	1/2	101,675	1/2	116,744	1/2	131,812	1/2	146,881
3/4	11,822	3/4	26,676	3/4	41,715	3/4	56,783	3/4	71,852	3/4	86,920	3/4	101,989	3/4	117,058	3/4	132,126	3/4	147,195
11	12,115	11	26,990	11	42,028	11	57,097	11	72,165	11	87,234	11	102,303	11	117,372	11	132,440	11	147,509
1/4	12,411	1/4	27,304	1/4	42,342	1/4	57,411	1/4	72,479	1/4	87,548	1/4	102,617	1/4	117,686	1/4	132,754	1/4	147,823
1/2	12,708	1/2	27,618	1/2	42,656	1/2	57,725	1/2	72,793	1/2	87,862	1/2	102,931	1/2	117,999	1/2	133,068	1/2	148,137
3/4	13,004	3/4	27,932	3/4	42,970	3/4	58,039	3/4	73,107	3/4	88,176	3/4	103,245	3/4	118,313	3/4	133,382	3/4	148,451

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 INNAGE GAUGES TAKEN TO TOP LIP OF 2" MMC VALVE
GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "HSM 3043"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08"

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	148,765	0	163,833	0	178,902	0	193,942	0	208,939	0		0		0		0		0	
1/4	149,079	1/4	164,147	1/4	179,216	1/4	194,255	1/4	209,213	1/4		1/4	1/4	1/4		1/4		1/4	
1/2	149,393	1/2	164,461	1/2	179,530	1/2	194,568	1/2	209,486	1/2		1/2	1/2	1/2		1/2		1/2	
3/4	149,707	3/4	164,775	3/4	179,844	3/4	194,881	3/4	209,760	3/4		3/4	3/4	3/4		3/4		3/4	
1	150,020	1	165,089	1	180,158	1	195,194	1	210,034	1		1		1		1		1	
1/4	150,334	1/4	165,403	1/4	180,472	1/4	195,507	1/4	210,262	1/4		1/4	1/4	1/4		1/4		1/4	
1/2	150,648	1/2	165,717	1/2	180,786	1/2	195,820	1/2	210,491	1/2		1/2	1/2	1/2		1/2		1/2	
3/4	150,962	3/4	166,031	3/4	181,100	3/4	196,133	3/4	210,719	3/4		3/4	3/4	3/4		3/4		3/4	
2	151,276	2	166,345	2	181,414	2	196,446	2	210,947	2		2		2		2		2	
1/4	151,590	1/4	166,659	1/4	181,728	1/4	196,759	1/4	211,136	1/4		1/4	1/4	1/4		1/4		1/4	
1/2	151,904	1/2	166,973	1/2	182,041	1/2	197,072	1/2	211,326	1/2		1/2	1/2	1/2		1/2		1/2	
3/4	152,218	3/4	167,287	3/4	182,355	3/4	197,385	3/4	211,515	3/4		3/4	3/4	3/4		3/4		3/4	
3	152,532	3	167,601	3	182,669	3	197,698	3	211,704	3		3		3		3		3	
1/4	152,846	1/4	167,915	1/4	182,983	1/4	198,011	1/4	211,854	1/4		1/4	1/4	1/4		1/4		1/4	
1/2	153,160	1/2	168,228	1/2	183,297	1/2	198,324	1/2		1/2		1/2	1/2	1/2		1/2		1/2	
3/4	153,474	3/4	168,542	3/4	183,611	3/4	198,637	3/4		3/4		3/4	3/4	3/4		3/4		3/4	
4	153,788	4	168,856	4	183,925	4	198,950	4		4		4		4		4		4	
1/4	154,102	1/4	169,170	1/4	184,238	1/4	199,263	1/4		1/4		1/4	1/4	1/4		1/4		1/4	
1/2	154,415	1/2	169,484	1/2	184,551	1/2	199,576	1/2		1/2		1/2	1/2	1/2		1/2		1/2	
3/4	154,729	3/4	169,798	3/4	184,864	3/4	199,889	3/4		3/4		3/4	3/4	3/4		3/4		3/4	
5	155,043	5	170,112	5	185,177	5	200,202	5		5		5		5		5		5	
1/4	155,357	1/4	170,426	1/4	185,490	1/4	200,515	1/4		1/4		1/4	1/4	1/4		1/4		1/4	
1/2	155,671	1/2	170,740	1/2	185,803	1/2	200,828	1/2		1/2		1/2	1/2	1/2		1/2		1/2	
3/4	155,985	3/4	171,054	3/4	186,116	3/4	201,141	3/4		3/4		3/4	3/4	3/4		3/4		3/4	
6	156,299	6	171,368	6	186,429	6	201,454	6		6		6		6		6		6	
1/4	156,613	1/4	171,682	1/4	186,742	1/4	201,767	1/4		1/4		1/4	1/4	1/4		1/4		1/4	
1/2	156,927	1/2	171,996	1/2	187,055	1/2	202,080	1/2		1/2		1/2	1/2	1/2		1/2		1/2	
3/4	157,241	3/4	172,310	3/4	187,368	3/4	202,393	3/4		3/4		3/4	3/4	3/4		3/4		3/4	
7	157,555	7	172,624	7	187,681	7	202,706	7		7		7		7		7		7	
1/4	157,869	1/4	172,937	1/4	187,994	1/4	203,019	1/4		1/4		1/4	1/4	1/4		1/4		1/4	
1/2	158,183	1/2	173,251	1/2	188,307	1/2	203,332	1/2		1/2		1/2	1/2	1/2		1/2		1/2	
3/4	158,497	3/4	173,565	3/4	188,620	3/4	203,645	3/4		3/4		3/4	3/4	3/4		3/4		3/4	
8	158,811	8	173,879	8	188,933	8	203,958	8		8		8		8		8		8	
1/4	159,124	1/4	174,193	1/4	189,246	1/4	204,271	1/4		1/4		1/4	1/4	1/4		1/4		1/4	
1/2	159,438	1/2	174,507	1/2	189,559	1/2	204,584	1/2		1/2		1/2	1/2	1/2		1/2		1/2	
3/4	159,752	3/4	174,821	3/4	189,872	3/4	204,897	3/4		3/4		3/4	3/4	3/4		3/4		3/4	
9	160,066	9	175,135	9	190,185	9	205,210	9		9		9		9		9		9	
1/4	160,380	1/4	175,449	1/4	190,498	1/4	205,523	1/4		1/4		1/4	1/4	1/4		1/4		1/4	
1/2	160,694	1/2	175,763	1/2	190,811	1/2	205,836	1/2		1/2		1/2	1/2	1/2		1/2		1/2	
3/4	161,008	3/4	176,077	3/4	191,124	3/4	206,149	3/4		3/4		3/4	3/4	3/4		3/4		3/4	
10	161,322	10	176,391	10	191,437	10	206,462	10		10		10		10		10		10	
1/4	161,636	1/4	176,705	1/4	191,751	1/4	206,774	1/4		1/4		1/4	1/4	1/4		1/4		1/4	
1/2	161,950	1/2	177,019	1/2	192,064	1/2	207,086	1/2		1/2		1/2	1/2	1/2		1/2		1/2	
3/4	162,264	3/4	177,332	3/4	192,377	3/4	207,398	3/4		3/4		3/4	3/4	3/4		3/4		3/4	
11	162,578	11	177,646	11	192,690	11	207,711	11		11		11		11		11		11	
1/4	162,892	1/4	177,960	1/4	193,003	1/4	208,018	1/4		1/4		1/4	1/4	1/4		1/4		1/4	
1/2	163,206	1/2	178,274	1/2	193,316	1/2	208,325	1/2		1/2		1/2	1/2	1/2		1/2		1/2	
3/4	163,519	3/4	178,588	3/4	193,629	3/4	208,632	3/4		3/4		3/4	3/4	3/4		3/4		3/4	

STRAPPED: 04/23/2019 CL
CALCULATED: 05/09/2019 CL
PRINTED: 05/12/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

True Seams



BARGE "HSM 3043"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08"

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	854	0	15,713	0	30,815	0	45,342	0	60,396	0	75,499	0	90,601	0	105,703	0	120,805	0	135,907
1/4	1,116	1/4	16,027	1/4	31,129	1/4	45,644	1/4	60,711	1/4	75,813	1/4	90,915	1/4	106,018	1/4	121,120	1/4	136,222
1/2	1,378	1/2	16,342	1/2	31,444	1/2	45,947	1/2	61,026	1/2	76,128	1/2	91,230	1/2	106,332	1/2	121,435	1/2	136,537
3/4	1,640	3/4	16,657	3/4	31,758	3/4	46,250	3/4	61,340	3/4	76,442	3/4	91,545	3/4	106,647	3/4	121,749	3/4	136,851
1	1,902	1	16,971	1	32,073	1	46,553	1	61,655	1	76,757	1	91,859	1	106,962	1	122,064	1	137,166
1/4	2,213	1/4	17,286	1/4	32,374	1/4	46,867	1/4	61,969	1/4	77,072	1/4	92,174	1/4	107,276	1/4	122,378	1/4	137,481
1/2	2,524	1/2	17,600	1/2	32,676	1/2	47,182	1/2	62,284	1/2	77,386	1/2	92,489	1/2	107,591	1/2	122,693	1/2	137,795
3/4	2,834	3/4	17,915	3/4	32,977	3/4	47,496	3/4	62,599	3/4	77,701	3/4	92,803	3/4	107,905	3/4	123,008	3/4	138,110
2	3,145	2	18,230	2	33,279	2	47,811	2	62,913	2	78,016	2	93,118	2	108,220	2	123,322	2	138,425
1/4	3,457	1/4	18,544	1/4	33,580	1/4	48,126	1/4	63,228	1/4	78,330	1/4	93,432	1/4	108,535	1/4	123,637	1/4	138,739
1/2	3,770	1/2	18,859	1/2	33,881	1/2	48,440	1/2	63,543	1/2	78,645	1/2	93,747	1/2	108,849	1/2	123,952	1/2	139,054
3/4	4,082	3/4	19,174	3/4	34,183	3/4	48,755	3/4	63,857	3/4	78,959	3/4	94,062	3/4	109,164	3/4	124,266	3/4	139,368
3	4,395	3	19,488	3	34,484	3	49,070	3	64,172	3	79,274	3	94,376	3	109,479	3	124,581	3	139,683
1/4	4,708	1/4	19,803	1/4	34,785	1/4	49,384	1/4	64,487	1/4	79,589	1/4	94,691	1/4	109,793	1/4	124,895	1/4	139,998
1/2	5,021	1/2	20,117	1/2	35,087	1/2	49,699	1/2	64,801	1/2	79,903	1/2	95,006	1/2	110,108	1/2	125,210	1/2	140,312
3/4	5,335	3/4	20,432	3/4	35,388	3/4	50,014	3/4	65,116	3/4	80,218	3/4	95,320	3/4	110,422	3/4	125,525	3/4	140,627
4	5,648	4	20,747	4	35,690	4	50,328	4	65,430	4	80,533	4	95,635	4	110,737	4	125,839	4	140,942
1/4	5,962	1/4	21,061	1/4	35,991	1/4	50,643	1/4	65,745	1/4	80,847	1/4	95,949	1/4	111,052	1/4	126,154	1/4	141,256
1/2	6,276	1/2	21,376	1/2	36,292	1/2	50,957	1/2	66,060	1/2	81,162	1/2	96,264	1/2	111,366	1/2	126,469	1/2	141,571
3/4	6,590	3/4	21,691	3/4	36,594	3/4	51,272	3/4	66,374	3/4	81,477	3/4	96,579	3/4	111,681	3/4	126,783	3/4	141,885
5	6,904	5	22,005	5	36,895	5	51,587	5	66,689	5	81,791	5	96,893	5	111,996	5	127,098	5	142,200
1/4	7,219	1/4	22,320	1/4	37,196	1/4	51,901	1/4	67,004	1/4	82,106	1/4	97,208	1/4	112,310	1/4	127,412	1/4	142,515
1/2	7,533	1/2	22,634	1/2	37,498	1/2	52,216	1/2	67,318	1/2	82,420	1/2	97,523	1/2	112,625	1/2	127,727	1/2	142,829
3/4	7,848	3/4	22,949	3/4	37,799	3/4	52,531	3/4	67,633	3/4	82,735	3/4	97,837	3/4	112,940	3/4	128,042	3/4	143,144
6	8,162	6	23,264	6	38,101	6	52,845	6	67,947	6	83,050	6	98,152	6	113,254	6	128,356	6	143,459
1/4	8,477	1/4	23,578	1/4	38,402	1/4	53,160	1/4	68,262	1/4	83,364	1/4	98,467	1/4	113,569	1/4	128,671	1/4	143,773
1/2	8,791	1/2	23,893	1/2	38,703	1/2	53,474	1/2	68,577	1/2	83,679	1/2	98,781	1/2	113,883	1/2	128,986	1/2	144,088
3/4	9,106	3/4	24,207	3/4	39,005	3/4	53,789	3/4	68,891	3/4	83,994	3/4	99,096	3/4	114,198	3/4	129,300	3/4	144,402
7	9,420	7	24,522	7	39,306	7	54,104	7	69,206	7	84,308	7	99,410	7	114,513	7	129,615	7	144,717
1/4	9,735	1/4	24,837	1/4	39,607	1/4	54,418	1/4	69,521	1/4	84,623	1/4	99,725	1/4	114,827	1/4	129,930	1/4	145,032
1/2	10,050	1/2	25,151	1/2	39,909	1/2	54,733	1/2	69,835	1/2	84,937	1/2	100,040	1/2	115,142	1/2	130,244	1/2	145,346
3/4	10,364	3/4	25,466	3/4	40,210	3/4	55,048	3/4	70,150	3/4	85,252	3/4	100,354	3/4	115,457	3/4	130,559	3/4	145,661
8	10,679	8	25,781	8	40,512	8	55,362	8	70,464	8	85,567	8	100,669	8	115,771	8	130,873	8	145,976
1/4	10,993	1/4	26,095	1/4	40,813	1/4	55,677	1/4	70,779	1/4	85,881	1/4	100,984	1/4	116,086	1/4	131,188	1/4	146,290
1/2	11,308	1/2	26,410	1/2	41,114	1/2	55,991	1/2	71,094	1/2	86,196	1/2	101,298	1/2	116,400	1/2	131,503	1/2	146,605
3/4	11,623	3/4	26,724	3/4	41,416	3/4	56,306	3/4	71,408	3/4	86,511	3/4	101,613	3/4	116,715	3/4	131,817	3/4	146,920
9	11,937	9	27,039	9	41,717	9	56,621	9	71,723	9	86,825	9	101,927	9	117,030	9	132,132	9	147,234
1/4	12,252	1/4	27,354	1/4	42,019	1/4	56,935	1/4	72,038	1/4	87,140	1/4	102,242	1/4	117,344	1/4	132,447	1/4	147,549
1/2	12,567	1/2	27,668	1/2	42,320	1/2	57,250	1/2	72,352	1/2	87,454	1/2	102,557	1/2	117,659	1/2	132,761	1/2	147,863
3/4	12,881	3/4	27,983	3/4	42,622	3/4	57,565	3/4	72,667	3/4	87,769	3/4	102,871	3/4	117,974	3/4	133,076	3/4	148,178
10	13,196	10	28,298	10	42,924	10	57,879	10	72,982	10	88,084	10	103,186	10	118,288	10	133,390	10	148,493
1/4	13,510	1/4	28,612	1/4	43,226	1/4	58,194	1/4	73,296	1/4	88,398	1/4	103,501	1/4	118,603	1/4	133,705	1/4	148,807
1/2	13,825	1/2	28,927	1/2	43,527	1/2	58,509	1/2	73,611	1/2	88,713	1/2	103,815	1/2	118,917	1/2	134,020	1/2	149,122
3/4	14,140	3/4	29,241	3/4	43,829	3/4	58,823	3/4	73,925	3/4	89,028	3/4	104,130	3/4	119,232	3/4	134,334	3/4	149,437
11	14,454	11	29,556	11	44,131	11	59,138	11	74,240	11	89,342	11	104,445	11	119,547	11	134,649	11	149,751
1/4	14,769	1/4	29,871	1/4	44,433	1/4	59,452	1/4	74,555	1/4	89,657	1/4	104,759	1/4	119,861	1/4	134,964	1/4	150,066
1/2	15,083	1/2	30,185	1/2	44,736	1/2	59,767	1/2	74,869	1/2	89,972	1/2	105,074	1/2	120,176	1/2	135,278	1/2	150,380
3/4	15,398	3/4	30,500	3/4	45,039	3/4	60,082	3/4	75,184	3/4	90,286	3/4	105,388	3/4	120,491	3/4	135,593	3/4	150,695

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 INNAGE GAUGES TAKEN TO TOP LIP OF 2" MMC VALVE
GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "HSM 3043"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08"

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	151,010	0	166,112	0	181,214	0	196,287	0	211,318	0		0		0		0		0	
1/4	151,324	1/4	166,427	1/4	181,529	1/4	196,601	1/4	211,592	1/4		1/4		1/4		1/4		1/4	
1/2	151,639	1/2	166,741	1/2	181,843	1/2	196,915	1/2	211,867	1/2		1/2		1/2		1/2		1/2	
3/4	151,954	3/4	167,056	3/4	182,158	3/4	197,228	3/4	212,141	3/4		3/4		3/4		3/4		3/4	
1	152,268	1	167,370	1	182,473	1	197,542	1	212,416	1		1		1		1		1	
1/4	152,583	1/4	167,685	1/4	182,787	1/4	197,856	1/4	212,644	1/4		1/4		1/4		1/4		1/4	
1/2	152,898	1/2	168,000	1/2	183,102	1/2	198,170	1/2	212,873	1/2		1/2		1/2		1/2		1/2	
3/4	153,212	3/4	168,314	3/4	183,417	3/4	198,483	3/4	213,102	3/4		3/4		3/4		3/4		3/4	
2	153,527	2	168,629	2	183,731	2	198,797	2	213,331	2		2		2		2		2	
1/4	153,841	1/4	168,944	1/4	184,046	1/4	199,111	1/4	213,520	1/4		1/4		1/4		1/4		1/4	
1/2	154,156	1/2	169,258	1/2	184,360	1/2	199,424	1/2	213,710	1/2		1/2		1/2		1/2		1/2	
3/4	154,471	3/4	169,573	3/4	184,675	3/4	199,738	3/4	213,899	3/4		3/4		3/4		3/4		3/4	
3	154,785	3	169,888	3	184,990	3	200,052	3	214,089	3		3		3		3		3	
1/4	155,100	1/4	170,202	1/4	185,304	1/4	200,366	1/4	214,239	1/4		1/4		1/4		1/4		1/4	
1/2	155,415	1/2	170,517	1/2	185,619	1/2	200,679	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,729	3/4	170,831	3/4	185,934	3/4	200,993	3/4		3/4		3/4		3/4		3/4		3/4	
4	156,044	4	171,146	4	186,248	4	201,307	4		4		4		4		4		4	
1/4	156,358	1/4	171,461	1/4	186,562	1/4	201,620	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,673	1/2	171,775	1/2	186,876	1/2	201,934	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,988	3/4	172,090	3/4	187,189	3/4	202,248	3/4		3/4		3/4		3/4		3/4		3/4	
5	157,302	5	172,405	5	187,503	5	202,562	5		5		5		5		5		5	
1/4	157,617	1/4	172,719	1/4	187,817	1/4	202,875	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,932	1/2	173,034	1/2	188,131	1/2	203,189	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,246	3/4	173,348	3/4	188,444	3/4	203,503	3/4		3/4		3/4		3/4		3/4		3/4	
6	158,561	6	173,663	6	188,758	6	203,816	6		6		6		6		6		6	
1/4	158,875	1/4	173,978	1/4	189,072	1/4	204,130	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,190	1/2	174,292	1/2	189,385	1/2	204,444	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,505	3/4	174,607	3/4	189,699	3/4	204,758	3/4		3/4		3/4		3/4		3/4		3/4	
7	159,819	7	174,922	7	190,013	7	205,071	7		7		7		7		7		7	
1/4	160,134	1/4	175,236	1/4	190,327	1/4	205,385	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,449	1/2	175,551	1/2	190,640	1/2	205,699	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,763	3/4	175,865	3/4	190,954	3/4	206,012	3/4		3/4		3/4		3/4		3/4		3/4	
8	161,078	8	176,180	8	191,268	8	206,326	8		8		8		8		8		8	
1/4	161,393	1/4	176,495	1/4	191,581	1/4	206,640	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,707	1/2	176,809	1/2	191,895	1/2	206,954	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,022	3/4	177,124	3/4	192,209	3/4	207,267	3/4		3/4		3/4		3/4		3/4		3/4	
9	162,336	9	177,439	9	192,523	9	207,581	9		9		9		9		9		9	
1/4	162,651	1/4	177,753	1/4	192,836	1/4	207,895	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,966	1/2	178,068	1/2	193,150	1/2	208,208	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,280	3/4	178,383	3/4	193,464	3/4	208,522	3/4		3/4		3/4		3/4		3/4		3/4	
10	163,595	10	178,697	10	193,777	10	208,835	10		10		10		10		10		10	
1/4	163,910	1/4	179,012	1/4	194,091	1/4	209,148	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,224	1/2	179,326	1/2	194,405	1/2	209,461	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,539	3/4	179,641	3/4	194,719	3/4	209,774	3/4		3/4		3/4		3/4		3/4		3/4	
11	164,853	11	179,956	11	195,032	11	210,087	11		11		11		11		11		11	
1/4	165,168	1/4	180,270	1/4	195,346	1/4	210,395	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,483	1/2	180,585	1/2	195,660	1/2	210,702	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,797	3/4	180,900	3/4	195,974	3/4	211,010	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/23/2019 CL
CALCULATED: 05/09/2019 CL
PRINTED: 05/12/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019

PRECISION MEASUREMENT
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BARGE "HSM 3043"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08"

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	855	0	15,734	0	30,856	0	45,947	0	61,070	0	76,192	0	91,315	0	106,437	0	121,559	0	136,682
1/4	1,118	1/4	16,049	1/4	31,171	1/4	46,262	1/4	61,385	1/4	76,507	1/4	91,630	1/4	106,752	1/4	121,874	1/4	136,997
1/2	1,380	1/2	16,364	1/2	31,486	1/2	46,578	1/2	61,700	1/2	76,822	1/2	91,945	1/2	107,067	1/2	122,189	1/2	137,312
3/4	1,643	3/4	16,679	3/4	31,801	3/4	46,893	3/4	62,015	3/4	77,137	3/4	92,260	3/4	107,382	3/4	122,504	3/4	137,627
1	1,905	1	16,994	1	32,116	1	47,208	1	62,330	1	77,452	1	92,575	1	107,697	1	122,819	1	137,942
1/4	2,216	1/4	17,309	1/4	32,430	1/4	47,523	1/4	62,645	1/4	77,767	1/4	92,890	1/4	108,012	1/4	123,134	1/4	138,257
1/2	2,527	1/2	17,624	1/2	32,744	1/2	47,838	1/2	62,960	1/2	78,082	1/2	93,205	1/2	108,327	1/2	123,449	1/2	138,572
3/4	2,838	3/4	17,939	3/4	33,058	3/4	48,153	3/4	63,275	3/4	78,397	3/4	93,520	3/4	108,642	3/4	123,765	3/4	138,887
2	3,149	2	18,254	2	33,373	2	48,468	2	63,590	2	78,713	2	93,835	2	108,957	2	124,080	2	139,202
1/4	3,462	1/4	18,569	1/4	33,687	1/4	48,783	1/4	63,905	1/4	79,028	1/4	94,150	1/4	109,272	1/4	124,395	1/4	139,517
1/2	3,775	1/2	18,884	1/2	34,001	1/2	49,098	1/2	64,220	1/2	79,343	1/2	94,465	1/2	109,587	1/2	124,710	1/2	139,832
3/4	4,088	3/4	19,199	3/4	34,315	3/4	49,413	3/4	64,535	3/4	79,658	3/4	94,780	3/4	109,902	3/4	125,025	3/4	140,147
3	4,400	3	19,514	3	34,630	3	49,728	3	64,850	3	79,973	3	95,095	3	110,217	3	125,340	3	140,462
1/4	4,714	1/4	19,829	1/4	34,944	1/4	50,043	1/4	65,165	1/4	80,288	1/4	95,410	1/4	110,532	1/4	125,655	1/4	140,777
1/2	5,028	1/2	20,144	1/2	35,258	1/2	50,358	1/2	65,480	1/2	80,603	1/2	95,725	1/2	110,848	1/2	125,970	1/2	141,092
3/4	5,342	3/4	20,459	3/4	35,572	3/4	50,673	3/4	65,796	3/4	80,918	3/4	96,040	3/4	111,163	3/4	126,285	3/4	141,407
4	5,656	4	20,774	4	35,886	4	50,988	4	66,111	4	81,233	4	96,355	4	111,478	4	126,600	4	141,722
1/4	5,970	1/4	21,089	1/4	36,201	1/4	51,303	1/4	66,426	1/4	81,548	1/4	96,670	1/4	111,793	1/4	126,915	1/4	142,037
1/2	6,285	1/2	21,404	1/2	36,515	1/2	51,618	1/2	66,741	1/2	81,863	1/2	96,985	1/2	112,108	1/2	127,230	1/2	142,352
3/4	6,599	3/4	21,719	3/4	36,829	3/4	51,933	3/4	67,056	3/4	82,178	3/4	97,300	3/4	112,423	3/4	127,545	3/4	142,667
5	6,913	5	22,034	5	37,143	5	52,248	5	67,371	5	82,493	5	97,615	5	112,738	5	127,860	5	142,983
1/4	7,228	1/4	22,350	1/4	37,457	1/4	52,563	1/4	67,686	1/4	82,808	1/4	97,931	1/4	113,053	1/4	128,175	1/4	143,298
1/2	7,543	1/2	22,665	1/2	37,772	1/2	52,877	1/2	68,001	1/2	83,123	1/2	98,246	1/2	113,368	1/2	128,490	1/2	143,613
3/4	7,858	3/4	22,980	3/4	38,086	3/4	53,194	3/4	68,316	3/4	83,438	3/4	98,561	3/4	113,683	3/4	128,805	3/4	143,928
6	8,173	6	23,295	6	38,400	6	53,509	6	68,631	6	83,753	6	98,876	6	113,998	6	129,120	6	144,243
1/4	8,488	1/4	23,610	1/4	38,714	1/4	53,824	1/4	68,946	1/4	84,068	1/4	99,191	1/4	114,313	1/4	129,435	1/4	144,558
1/2	8,803	1/2	23,925	1/2	39,029	1/2	54,139	1/2	69,261	1/2	84,383	1/2	99,506	1/2	114,628	1/2	129,750	1/2	144,873
3/4	9,118	3/4	24,240	3/4	39,343	3/4	54,454	3/4	69,576	3/4	84,698	3/4	99,821	3/4	114,943	3/4	130,066	3/4	145,188
7	9,433	7	24,555	7	39,657	7	54,769	7	69,891	7	85,014	7	100,136	7	115,258	7	130,381	7	145,503
1/4	9,748	1/4	24,870	1/4	39,971	1/4	55,084	1/4	70,206	1/4	85,329	1/4	100,451	1/4	115,573	1/4	130,696	1/4	145,818
1/2	10,063	1/2	25,185	1/2	40,285	1/2	55,399	1/2	70,521	1/2	85,644	1/2	100,766	1/2	115,888	1/2	131,011	1/2	146,133
3/4	10,378	3/4	25,500	3/4	40,600	3/4	55,714	3/4	70,836	3/4	85,959	3/4	101,081	3/4	116,203	3/4	131,326	3/4	146,448
8	10,693	8	25,815	8	40,914	8	56,029	8	71,151	8	86,274	8	101,396	8	116,518	8	131,641	8	146,763
1/4	11,008	1/4	26,130	1/4	41,228	1/4	56,344	1/4	71,466	1/4	86,589	1/4	101,711	1/4	116,833	1/4	131,956	1/4	147,078
1/2	11,323	1/2	26,445	1/2	41,542	1/2	56,659	1/2	71,781	1/2	86,904	1/2	102,026	1/2	117,149	1/2	132,271	1/2	147,393
3/4	11,638	3/4	26,760	3/4	41,857	3/4	56,974	3/4	72,097	3/4	87,219	3/4	102,341	3/4	117,464	3/4	132,586	3/4	147,708
9	11,953	9	27,075	9	42,171	9	57,289	9	72,412	9	87,534	9	102,656	9	117,779	9	132,901	9	148,023
1/4	12,268	1/4	27,390	1/4	42,485	1/4	57,604	1/4	72,727	1/4	87,849	1/4	102,971	1/4	118,094	1/4	133,216	1/4	148,338
1/2	12,583	1/2	27,705	1/2	42,800	1/2	57,919	1/2	73,042	1/2	88,164	1/2	103,286	1/2	118,409	1/2	133,531	1/2	148,653
3/4	12,898	3/4	28,020	3/4	43,114	3/4	58,234	3/4	73,357	3/4	88,479	3/4	103,601	3/4	118,724	3/4	133,846	3/4	148,968
10	13,213	10	28,335	10	43,429	10	58,549	10	73,672	10	88,794	10	103,916	10	119,039	10	134,161	10	149,284
1/4	13,528	1/4	28,650	1/4	43,744	1/4	58,864	1/4	73,987	1/4	89,109	1/4	104,232	1/4	119,354	1/4	134,476	1/4	149,599
1/2	13,843	1/2	28,965	1/2	44,058	1/2	59,180	1/2	74,302	1/2	89,424	1/2	104,547	1/2	119,669	1/2	134,791	1/2	149,914
3/4	14,158	3/4	29,280	3/4	44,373	3/4	59,495	3/4	74,617	3/4	89,739	3/4	104,862	3/4	119,984	3/4	135,106	3/4	150,229
11	14,474	11	29,595	11	44,687	11	59,810	11	74,932	11	90,054	11	105,177	11	120,299	11	135,421	11	150,544
1/4	14,789	1/4	29,910	1/4	45,002	1/4	60,125	1/4	75,247	1/4	90,369	1/4	105,492	1/4	120,614	1/4	135,736	1/4	150,859
1/2	15,104	1/2	30,226	1/2	45,317	1/2	60,440	1/2	75,562	1/2	90,684	1/2	105,807	1/2	120,929	1/2	136,051	1/2	151,174
3/4	15,419	3/4	30,541	3/4	45,632	3/4	60,755	3/4	75,877	3/4	90,999	3/4	106,122	3/4	121,244	3/4	136,367	3/4	151,489

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 INNAGE GAUGES TAKEN TO TOP LIP OF 2" MMC VALVE
GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "HSM 3043"

2 STBD
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08"

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	151,804	0	166,926	0	182,049	0	197,142	0	212,193	0		0		0		0		0	
1/4	152,119	1/4	167,241	1/4	182,364	1/4	197,456	1/4	212,467	1/4		1/4		1/4		1/4		1/4	
1/2	152,434	1/2	167,556	1/2	182,679	1/2	197,770	1/2	212,742	1/2		1/2		1/2		1/2		1/2	
3/4	152,749	3/4	167,871	3/4	182,994	3/4	198,084	3/4	213,017	3/4		3/4		3/4		3/4		3/4	
1	153,064	1	168,186	1	183,309	1	198,398	1	213,292	1		1		1		1		1	
1/4	153,379	1/4	168,502	1/4	183,624	1/4	198,712	1/4	213,521	1/4		1/4		1/4		1/4		1/4	
1/2	153,694	1/2	168,817	1/2	183,939	1/2	199,027	1/2	213,750	1/2		1/2		1/2		1/2		1/2	
3/4	154,009	3/4	169,132	3/4	184,254	3/4	199,341	3/4	213,979	3/4		3/4		3/4		3/4		3/4	
2	154,324	2	169,447	2	184,569	2	199,655	2	214,208	2		2		2		2		2	
1/4	154,639	1/4	169,762	1/4	184,884	1/4	199,969	1/4	214,398	1/4		1/4		1/4		1/4		1/4	
1/2	154,954	1/2	170,077	1/2	185,199	1/2	200,283	1/2	214,588	1/2		1/2		1/2		1/2		1/2	
3/4	155,269	3/4	170,392	3/4	185,514	3/4	200,597	3/4	214,778	3/4		3/4		3/4		3/4		3/4	
3	155,584	3	170,707	3	185,829	3	200,911	3	214,967	3		3		3		3		3	
1/4	155,900	1/4	171,022	1/4	186,144	1/4	201,226	1/4	215,118	1/4		1/4		1/4		1/4		1/4	
1/2	156,215	1/2	171,337	1/2	186,459	1/2	201,540	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,530	3/4	171,652	3/4	186,774	3/4	201,854	3/4		3/4		3/4		3/4		3/4		3/4	
4	156,845	4	171,967	4	187,089	4	202,168	4		4		4		4		4		4	
1/4	157,160	1/4	172,282	1/4	187,404	1/4	202,482	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,475	1/2	172,597	1/2	187,718	1/2	202,796	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,790	3/4	172,912	3/4	188,032	3/4	203,110	3/4		3/4		3/4		3/4		3/4		3/4	
5	158,105	5	173,227	5	188,346	5	203,425	5		5		5		5		5		5	
1/4	158,420	1/4	173,542	1/4	188,660	1/4	203,739	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,735	1/2	173,857	1/2	188,974	1/2	204,053	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,050	3/4	174,172	3/4	189,288	3/4	204,367	3/4		3/4		3/4		3/4		3/4		3/4	
6	159,365	6	174,487	6	189,602	6	204,681	6		6		6		6		6		6	
1/4	159,680	1/4	174,802	1/4	189,917	1/4	204,995	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,995	1/2	175,118	1/2	190,231	1/2	205,309	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,310	3/4	175,433	3/4	190,545	3/4	205,623	3/4		3/4		3/4		3/4		3/4		3/4	
7	160,625	7	175,748	7	190,859	7	205,938	7		7		7		7		7		7	
1/4	160,940	1/4	176,063	1/4	191,173	1/4	206,252	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,255	1/2	176,378	1/2	191,487	1/2	206,566	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,570	3/4	176,693	3/4	191,801	3/4	206,880	3/4		3/4		3/4		3/4		3/4		3/4	
8	161,885	8	177,008	8	192,116	8	207,194	8		8		8		8		8		8	
1/4	162,201	1/4	177,323	1/4	192,430	1/4	207,508	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,516	1/2	177,638	1/2	192,744	1/2	207,822	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,831	3/4	177,953	3/4	193,058	3/4	208,137	3/4		3/4		3/4		3/4		3/4		3/4	
9	163,146	9	178,268	9	193,372	9	208,451	9		9		9		9		9		9	
1/4	163,461	1/4	178,583	1/4	193,686	1/4	208,765	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,776	1/2	178,898	1/2	194,000	1/2	209,079	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,091	3/4	179,213	3/4	194,315	3/4	209,393	3/4		3/4		3/4		3/4		3/4		3/4	
10	164,406	10	179,528	10	194,629	10	209,707	10		10		10		10		10		10	
1/4	164,721	1/4	179,843	1/4	194,943	1/4	210,020	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,036	1/2	180,158	1/2	195,257	1/2	210,333	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,351	3/4	180,473	3/4	195,571	3/4	210,647	3/4		3/4		3/4		3/4		3/4		3/4	
11	165,666	11	180,788	11	195,885	11	210,960	11		11		11		11		11		11	
1/4	165,981	1/4	181,103	1/4	196,199	1/4	211,268	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	166,296	1/2	181,419	1/2	196,514	1/2	211,576	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	166,611	3/4	181,734	3/4	196,828	3/4	211,884	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/23/2019 CL
CALCULATED: 05/09/2019 CL
PRINTED: 05/12/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 3043"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-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	851	0	15,642	0	30,663	0	45,063	0	60,043	0	75,061	0	90,080	0	105,098	0	120,106	0	135,110
1/4	1,112	1/4	15,955	1/4	30,976	1/4	45,367	1/4	60,356	1/4	75,374	1/4	90,393	1/4	105,411	1/4	120,419	1/4	135,422
1/2	1,373	1/2	16,268	1/2	31,289	1/2	45,670	1/2	60,669	1/2	75,687	1/2	90,705	1/2	105,724	1/2	120,732	1/2	135,735
3/4	1,634	3/4	16,581	3/4	31,602	3/4	45,973	3/4	60,982	3/4	76,000	3/4	91,018	3/4	106,037	3/4	121,044	3/4	136,048
1	1,895	1	16,893	1	31,915	1	46,276	1	61,295	1	76,313	1	91,331	1	106,350	1	121,357	1	136,360
1/4	2,205	1/4	17,206	1/4	32,213	1/4	46,589	1/4	61,607	1/4	76,626	1/4	91,644	1/4	106,662	1/4	121,669	1/4	136,673
1/2	2,514	1/2	17,519	1/2	32,511	1/2	46,902	1/2	61,920	1/2	76,939	1/2	91,957	1/2	106,975	1/2	121,982	1/2	136,985
3/4	2,823	3/4	17,832	3/4	32,810	3/4	47,215	3/4	62,233	3/4	77,252	3/4	92,270	3/4	107,288	3/4	122,294	3/4	137,298
2	3,133	2	18,145	2	33,108	2	47,528	2	62,546	2	77,564	2	92,583	2	107,601	2	122,607	2	137,610
1/4	3,444	1/4	18,458	1/4	33,406	1/4	47,841	1/4	62,859	1/4	77,877	1/4	92,896	1/4	107,914	1/4	122,920	1/4	137,923
1/2	3,755	1/2	18,771	1/2	33,705	1/2	48,154	1/2	63,172	1/2	78,190	1/2	93,209	1/2	108,227	1/2	123,232	1/2	138,236
3/4	4,067	3/4	19,084	3/4	34,003	3/4	48,466	3/4	63,485	3/4	78,503	3/4	93,521	3/4	108,540	3/4	123,545	3/4	138,548
3	4,378	3	19,397	3	34,301	3	48,779	3	63,798	3	78,816	3	93,834	3	108,853	3	123,857	3	138,861
1/4	4,690	1/4	19,710	1/4	34,600	1/4	49,092	1/4	64,111	1/4	79,129	1/4	94,147	1/4	109,165	1/4	124,170	1/4	139,173
1/2	5,002	1/2	20,023	1/2	34,898	1/2	49,405	1/2	64,423	1/2	79,442	1/2	94,460	1/2	109,478	1/2	124,482	1/2	139,486
3/4	5,315	3/4	20,336	3/4	35,196	3/4	49,718	3/4	64,736	3/4	79,755	3/4	94,773	3/4	109,791	3/4	124,795	3/4	139,798
4	5,627	4	20,649	4	35,495	4	50,031	4	65,049	4	80,068	4	95,086	4	110,104	4	125,108	4	140,111
1/4	5,940	1/4	20,961	1/4	35,793	1/4	50,344	1/4	65,362	1/4	80,380	1/4	95,399	1/4	110,417	1/4	125,420	1/4	140,424
1/2	6,253	1/2	21,274	1/2	36,091	1/2	50,657	1/2	65,675	1/2	80,693	1/2	95,712	1/2	110,729	1/2	125,733	1/2	140,736
3/4	6,565	3/4	21,587	3/4	36,390	3/4	50,970	3/4	65,988	3/4	81,006	3/4	96,024	3/4	111,042	3/4	126,045	3/4	141,049
5	6,878	5	21,900	5	36,688	5	51,282	5	66,301	5	81,319	5	96,337	5	111,354	5	126,358	5	141,361
1/4	7,192	1/4	22,213	1/4	36,986	1/4	51,595	1/4	66,614	1/4	81,632	1/4	96,650	1/4	111,667	1/4	126,670	1/4	141,674
1/2	7,505	1/2	22,526	1/2	37,285	1/2	51,908	1/2	66,926	1/2	81,945	1/2	96,963	1/2	111,980	1/2	126,983	1/2	141,986
3/4	7,818	3/4	22,839	3/4	37,583	3/4	52,221	3/4	67,239	3/4	82,258	3/4	97,276	3/4	112,292	3/4	127,296	3/4	142,299
6	8,131	6	23,152	6	37,881	6	52,534	6	67,552	6	82,571	6	97,589	6	112,605	6	127,608	6	142,612
1/4	8,444	1/4	23,465	1/4	38,179	1/4	52,847	1/4	67,865	1/4	82,883	1/4	97,902	1/4	112,917	1/4	127,921	1/4	142,924
1/2	8,757	1/2	23,778	1/2	38,478	1/2	53,160	1/2	68,178	1/2	83,196	1/2	98,215	1/2	113,230	1/2	128,233	1/2	143,237
3/4	9,070	3/4	24,091	3/4	38,776	3/4	53,473	3/4	68,491	3/4	83,509	3/4	98,528	3/4	113,542	3/4	128,546	3/4	143,549
7	9,383	7	24,404	7	39,074	7	53,785	7	68,804	7	83,822	7	98,840	7	113,855	7	128,858	7	143,862
1/4	9,696	1/4	24,717	1/4	39,373	1/4	54,098	1/4	69,117	1/4	84,135	1/4	99,153	1/4	114,168	1/4	129,171	1/4	144,173
1/2	10,009	1/2	25,029	1/2	39,671	1/2	54,411	1/2	69,430	1/2	84,448	1/2	99,466	1/2	114,480	1/2	129,484	1/2	144,484
3/4	10,322	3/4	25,342	3/4	39,969	3/4	54,724	3/4	69,742	3/4	84,761	3/4	99,779	3/4	114,793	3/4	129,796	3/4	144,795
8	10,635	8	25,655	8	40,268	8	55,037	8	70,055	8	85,074	8	100,092	8	115,105	8	130,109	8	145,106
1/4	10,948	1/4	25,968	1/4	40,566	1/4	55,350	1/4	70,368	1/4	85,386	1/4	100,405	1/4	115,418	1/4	130,421	1/4	145,418
1/2	11,261	1/2	26,281	1/2	40,864	1/2	55,663	1/2	70,681	1/2	85,699	1/2	100,718	1/2	115,730	1/2	130,734	1/2	145,729
3/4	11,574	3/4	26,594	3/4	41,163	3/4	55,976	3/4	70,994	3/4	86,012	3/4	101,031	3/4	116,043	3/4	131,046	3/4	146,040
9	11,887	9	26,907	9	41,461	9	56,289	9	71,307	9	86,325	9	101,343	9	116,356	9	131,359	9	146,351
1/4	12,200	1/4	27,220	1/4	41,760	1/4	56,601	1/4	71,620	1/4	86,638	1/4	101,656	1/4	116,668	1/4	131,672	1/4	146,662
1/2	12,512	1/2	27,533	1/2	42,058	1/2	56,914	1/2	71,933	1/2	86,951	1/2	101,969	1/2	116,981	1/2	131,984	1/2	146,973
3/4	12,825	3/4	27,846	3/4	42,357	3/4	57,227	3/4	72,245	3/4	87,264	3/4	102,282	3/4	117,293	3/4	132,297	3/4	147,285
10	13,138	10	28,159	10	42,656	10	57,540	10	72,558	10	87,577	10	102,595	10	117,606	10	132,609	10	147,596
1/4	13,451	1/4	28,472	1/4	42,954	1/4	57,853	1/4	72,871	1/4	87,890	1/4	102,908	1/4	117,918	1/4	132,922	1/4	147,907
1/2	13,764	1/2	28,785	1/2	43,253	1/2	58,166	1/2	73,184	1/2	88,202	1/2	103,221	1/2	118,231	1/2	133,234	1/2	148,218
3/4	14,077	3/4	29,098	3/4	43,552	3/4	58,479	3/4	73,497	3/4	88,515	3/4	103,534	3/4	118,544	3/4	133,547	3/4	148,529
11	14,390	11	29,411	11	43,850	11	58,792	11	73,810	11	88,828	11	103,847	11	118,856	11	133,860	11	148,841
1/4	14,703	1/4	29,724	1/4	44,154	1/4	59,104	1/4	74,123	1/4	89,141	1/4	104,159	1/4	119,169	1/4	134,172	1/4	149,152
1/2	15,016	1/2	30,037	1/2	44,457	1/2	59,417	1/2	74,436	1/2	89,454	1/2	104,472	1/2	119,481	1/2	134,485	1/2	149,463
3/4	15,329	3/4	30,350	3/4	44,760	3/4	59,730	3/4	74,749	3/4	89,767	3/4	104,785	3/4	119,794	3/4	134,797	3/4	149,774

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 INNAGE GAUGES TAKEN TO TOP LIP OF 2" MMC VALVE
GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 3043"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-07 1/2"

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	150,086	0	160,862	0	171,258	0	181,635	0	191,974	0		0		0		0		0	
1/4	150,397	1/4	161,078	1/4	171,475	1/4	181,851	1/4	192,151	1/4		1/4		1/4		1/4		1/4	
1/2	150,709	1/2	161,295	1/2	171,691	1/2	182,067	1/2	192,328	1/2		1/2		1/2		1/2		1/2	
3/4	151,020	3/4	161,512	3/4	171,908	3/4	182,283	3/4	192,505	3/4		3/4		3/4		3/4		3/4	
1	151,332	1	161,728	1	172,124	1	182,499	1	192,681	1		1		1		1		1	
1/4	151,549	1/4	161,945	1/4	172,341	1/4	182,715	1/4	192,815	1/4		1/4		1/4		1/4		1/4	
1/2	151,765	1/2	162,161	1/2	172,558	1/2	182,931	1/2	192,948	1/2		1/2		1/2		1/2		1/2	
3/4	151,982	3/4	162,378	3/4	172,774	3/4	183,147	3/4	193,082	3/4		3/4		3/4		3/4		3/4	
2	152,198	2	162,594	2	172,991	2	183,363	2	193,215	2		2		2		2		2	
1/4	152,415	1/4	162,811	1/4	173,207	1/4	183,579	1/4	193,309	1/4		1/4		1/4		1/4		1/4	
1/2	152,631	1/2	163,028	1/2	173,424	1/2	183,795	1/2	193,403	1/2		1/2		1/2		1/2		1/2	
3/4	152,848	3/4	163,244	3/4	173,640	3/4	184,011	3/4	193,497	3/4		3/4		3/4		3/4		3/4	
3	153,065	3	163,461	3	173,857	3	184,227	3	193,592	3		3		3		3		3	
1/4	153,281	1/4	163,677	1/4	174,074	1/4	184,442	1/4	193,646	1/4		1/4		1/4		1/4		1/4	
1/2	153,498	1/2	163,894	1/2	174,290	1/2	184,658	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,714	3/4	164,111	3/4	174,507	3/4	184,874	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,931	4	164,327	4	174,723	4	185,090	4		4		4		4		4		4	
1/4	154,148	1/4	164,544	1/4	174,939	1/4	185,306	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,364	1/2	164,760	1/2	175,155	1/2	185,522	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,581	3/4	164,977	3/4	175,371	3/4	185,738	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,797	5	165,194	5	175,587	5	185,954	5		5		5		5		5		5	
1/4	155,014	1/4	165,410	1/4	175,803	1/4	186,170	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,231	1/2	165,627	1/2	176,019	1/2	186,386	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,447	3/4	165,843	3/4	176,235	3/4	186,602	3/4		3/4		3/4		3/4		3/4		3/4	
6	155,664	6	166,060	6	176,451	6	186,818	6		6		6		6		6		6	
1/4	155,880	1/4	166,276	1/4	176,667	1/4	187,034	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,097	1/2	166,493	1/2	176,883	1/2	187,250	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,313	3/4	166,710	3/4	177,099	3/4	187,466	3/4		3/4		3/4		3/4		3/4		3/4	
7	156,530	7	166,926	7	177,315	7	187,682	7		7		7		7		7		7	
1/4	156,747	1/4	167,143	1/4	177,531	1/4	187,898	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,963	1/2	167,359	1/2	177,747	1/2	188,114	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,180	3/4	167,576	3/4	177,963	3/4	188,330	3/4		3/4		3/4		3/4		3/4		3/4	
8	157,396	8	167,793	8	178,179	8	188,546	8		8		8		8		8		8	
1/4	157,613	1/4	168,009	1/4	178,395	1/4	188,762	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,830	1/2	168,226	1/2	178,611	1/2	188,978	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,046	3/4	168,442	3/4	178,827	3/4	189,194	3/4		3/4		3/4		3/4		3/4		3/4	
9	158,263	9	168,659	9	179,043	9	189,410	9		9		9		9		9		9	
1/4	158,479	1/4	168,876	1/4	179,259	1/4	189,626	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,696	1/2	169,092	1/2	179,475	1/2	189,842	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,913	3/4	169,309	3/4	179,691	3/4	190,057	3/4		3/4		3/4		3/4		3/4		3/4	
10	159,129	10	169,525	10	179,907	10	190,273	10		10		10		10		10		10	
1/4	159,346	1/4	169,742	1/4	180,123	1/4	190,488	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,562	1/2	169,958	1/2	180,339	1/2	190,704	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,779	3/4	170,175	3/4	180,555	3/4	190,919	3/4		3/4		3/4		3/4		3/4		3/4	
11	159,995	11	170,392	11	180,771	11	191,134	11		11		11		11		11		11	
1/4	160,212	1/4	170,608	1/4	180,987	1/4	191,344	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,429	1/2	170,825	1/2	181,203	1/2	191,554	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,645	3/4	171,041	3/4	181,419	3/4	191,764	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 04/23/2019 CL
CALCULATED: 05/09/2019 CL
PRINTED: 05/12/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "HSM 3043"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-07 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	851	0	15,652	0	30,695	0	45,709	0	60,752	0	75,796	0	90,840	0	105,884	0	120,918	0	135,947
1/4	1,112	1/4	15,965	1/4	31,009	1/4	46,022	1/4	61,066	1/4	76,110	1/4	91,153	1/4	106,197	1/4	121,231	1/4	136,260
1/2	1,373	1/2	16,279	1/2	31,322	1/2	46,335	1/2	61,379	1/2	76,423	1/2	91,467	1/2	106,511	1/2	121,544	1/2	136,573
3/4	1,634	3/4	16,592	3/4	31,636	3/4	46,649	3/4	61,693	3/4	76,737	3/4	91,780	3/4	106,824	3/4	121,857	3/4	136,886
1	1,895	1	16,906	1	31,949	1	46,962	1	62,006	1	77,050	1	92,094	1	107,138	1	122,170	1	137,199
1/4	2,205	1/4	17,219	1/4	32,262	1/4	47,276	1/4	62,320	1/4	77,363	1/4	92,407	1/4	107,451	1/4	122,483	1/4	137,512
1/2	2,514	1/2	17,532	1/2	32,574	1/2	47,589	1/2	62,633	1/2	77,677	1/2	92,721	1/2	107,764	1/2	122,796	1/2	137,825
3/4	2,823	3/4	17,846	3/4	32,887	3/4	47,903	3/4	62,946	3/4	77,990	3/4	93,034	3/4	108,078	3/4	123,109	3/4	138,138
2	3,133	2	18,159	2	33,199	2	48,216	2	63,260	2	78,304	2	93,347	2	108,391	2	123,423	2	138,451
1/4	3,444	1/4	18,473	1/4	33,512	1/4	48,529	1/4	63,573	1/4	78,617	1/4	93,661	1/4	108,705	1/4	123,736	1/4	138,765
1/2	3,755	1/2	18,786	1/2	33,824	1/2	48,843	1/2	63,887	1/2	78,930	1/2	93,974	1/2	109,018	1/2	124,049	1/2	139,078
3/4	4,066	3/4	19,099	3/4	34,137	3/4	49,156	3/4	64,200	3/4	79,244	3/4	94,288	3/4	109,331	3/4	124,362	3/4	139,391
3	4,378	3	19,413	3	34,450	3	49,470	3	64,513	3	79,557	3	94,601	3	109,645	3	124,675	3	139,704
1/4	4,690	1/4	19,726	1/4	34,762	1/4	49,783	1/4	64,827	1/4	79,871	1/4	94,914	1/4	109,958	1/4	124,988	1/4	140,017
1/2	5,002	1/2	20,040	1/2	35,075	1/2	50,096	1/2	65,140	1/2	80,184	1/2	95,228	1/2	110,272	1/2	125,301	1/2	140,330
3/4	5,314	3/4	20,353	3/4	35,387	3/4	50,410	3/4	65,454	3/4	80,497	3/4	95,541	3/4	110,585	3/4	125,614	3/4	140,643
4	5,626	4	20,666	4	35,700	4	50,723	4	65,767	4	80,811	4	95,855	4	110,898	4	125,927	4	140,956
1/4	5,939	1/4	20,980	1/4	36,013	1/4	51,037	1/4	66,080	1/4	81,124	1/4	96,168	1/4	111,212	1/4	126,240	1/4	141,269
1/2	6,252	1/2	21,293	1/2	36,325	1/2	51,350	1/2	66,394	1/2	81,438	1/2	96,481	1/2	111,525	1/2	126,554	1/2	141,582
3/4	6,565	3/4	21,607	3/4	36,638	3/4	51,664	3/4	66,707	3/4	81,751	3/4	96,795	3/4	111,838	3/4	126,867	3/4	141,896
5	6,878	5	21,920	5	36,950	5	51,977	5	67,021	5	82,065	5	97,108	5	112,151	5	127,180	5	142,209
1/4	7,191	1/4	22,233	1/4	37,263	1/4	52,290	1/4	67,334	1/4	82,378	1/4	97,422	1/4	112,464	1/4	127,493	1/4	142,522
1/2	7,504	1/2	22,547	1/2	37,575	1/2	52,604	1/2	67,648	1/2	82,691	1/2	97,735	1/2	112,777	1/2	127,806	1/2	142,835
3/4	7,817	3/4	22,860	3/4	37,888	3/4	52,917	3/4	67,961	3/4	83,005	3/4	98,049	3/4	113,090	3/4	128,119	3/4	143,148
6	8,130	6	23,174	6	38,201	6	53,231	6	68,274	6	83,318	6	98,362	6	113,403	6	128,432	6	143,461
1/4	8,444	1/4	23,487	1/4	38,513	1/4	53,544	1/4	68,588	1/4	83,632	1/4	98,675	1/4	113,716	1/4	128,745	1/4	143,774
1/2	8,757	1/2	23,800	1/2	38,826	1/2	53,857	1/2	68,901	1/2	83,945	1/2	98,989	1/2	114,030	1/2	129,058	1/2	144,087
3/4	9,071	3/4	24,114	3/4	39,138	3/4	54,171	3/4	69,215	3/4	84,258	3/4	99,302	3/4	114,343	3/4	129,371	3/4	144,400
7	9,384	7	24,427	7	39,451	7	54,484	7	69,528	7	84,572	7	99,616	7	114,656	7	129,685	7	144,713
1/4	9,697	1/4	24,741	1/4	39,764	1/4	54,798	1/4	69,841	1/4	84,885	1/4	99,929	1/4	114,969	1/4	129,998	1/4	145,025
1/2	10,011	1/2	25,054	1/2	40,076	1/2	55,111	1/2	70,155	1/2	85,199	1/2	100,242	1/2	115,282	1/2	130,311	1/2	145,336
3/4	10,324	3/4	25,368	3/4	40,389	3/4	55,424	3/4	70,468	3/4	85,512	3/4	100,556	3/4	115,595	3/4	130,624	3/4	145,647
8	10,638	8	25,681	8	40,701	8	55,738	8	70,782	8	85,825	8	100,869	8	115,908	8	130,937	8	145,958
1/4	10,951	1/4	25,994	1/4	41,014	1/4	56,051	1/4	71,095	1/4	86,139	1/4	101,183	1/4	116,221	1/4	131,250	1/4	146,269
1/2	11,264	1/2	26,308	1/2	41,326	1/2	56,365	1/2	71,408	1/2	86,452	1/2	101,496	1/2	116,534	1/2	131,563	1/2	146,581
3/4	11,578	3/4	26,621	3/4	41,639	3/4	56,678	3/4	71,722	3/4	86,766	3/4	101,810	3/4	116,847	3/4	131,876	3/4	146,892
9	11,891	9	26,935	9	41,952	9	56,992	9	72,035	9	87,079	9	102,123	9	117,161	9	132,189	9	147,203
1/4	12,205	1/4	27,248	1/4	42,265	1/4	57,305	1/4	72,349	1/4	87,393	1/4	102,436	1/4	117,474	1/4	132,503	1/4	147,514
1/2	12,518	1/2	27,561	1/2	42,577	1/2	57,618	1/2	72,662	1/2	87,706	1/2	102,750	1/2	117,787	1/2	132,816	1/2	147,825
3/4	12,831	3/4	27,875	3/4	42,890	3/4	57,932	3/4	72,976	3/4	88,019	3/4	103,063	3/4	118,100	3/4	133,129	3/4	148,137
10	13,145	10	28,188	10	43,203	10	58,245	10	73,289	10	88,333	10	103,377	10	118,413	10	133,442	10	148,448
1/4	13,458	1/4	28,502	1/4	43,516	1/4	58,559	1/4	73,602	1/4	88,646	1/4	103,690	1/4	118,726	1/4	133,755	1/4	148,759
1/2	13,772	1/2	28,815	1/2	43,829	1/2	58,872	1/2	73,916	1/2	88,960	1/2	104,003	1/2	119,039	1/2	134,068	1/2	149,070
3/4	14,085	3/4	29,128	3/4	44,142	3/4	59,185	3/4	74,229	3/4	89,273	3/4	104,317	3/4	119,352	3/4	134,381	3/4	149,381
11	14,398	11	29,442	11	44,455	11	59,499	11	74,543	11	89,586	11	104,630	11	119,665	11	134,694	11	149,693
1/4	14,712	1/4	29,755	1/4	44,768	1/4	59,812	1/4	74,856	1/4	89,900	1/4	104,944	1/4	119,978	1/4	135,007	1/4	150,004
1/2	15,025	1/2	30,069	1/2	45,082	1/2	60,126	1/2	75,169	1/2	90,213	1/2	105,257	1/2	120,292	1/2	135,320	1/2	150,315
3/4	15,339	3/4	30,382	3/4	45,395	3/4	60,439	3/4	75,483	3/4	90,527	3/4	105,570	3/4	120,605	3/4	135,634	3/4	150,626

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 INNAGE GAUGES TAKEN TO TOP LIP OF 2" MMC VALVE
GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "HSM 3043"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-07 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	150,937	0	161,710	0	172,104	0	182,477	0	192,814	0		0		0		0		0	
1/4	151,249	1/4	161,927	1/4	172,320	1/4	182,693	1/4	192,991	1/4		1/4		1/4		1/4		1/4	
1/2	151,560	1/2	162,143	1/2	172,537	1/2	182,909	1/2	193,167	1/2		1/2		1/2		1/2		1/2	
3/4	151,872	3/4	162,360	3/4	172,753	3/4	183,125	3/4	193,344	3/4		3/4		3/4		3/4		3/4	
1	152,183	1	162,577	1	172,970	1	183,341	1	193,521	1		1		1		1		1	
1/4	152,400	1/4	162,793	1/4	173,186	1/4	183,557	1/4	193,654	1/4		1/4		1/4		1/4		1/4	
1/2	152,616	1/2	163,010	1/2	173,403	1/2	183,773	1/2	193,788	1/2		1/2		1/2		1/2		1/2	
3/4	152,833	3/4	163,226	3/4	173,619	3/4	183,989	3/4	193,921	3/4		3/4		3/4		3/4		3/4	
2	153,049	2	163,443	2	173,836	2	184,205	2	194,054	2		2		2		2		2	
1/4	153,266	1/4	163,659	1/4	174,052	1/4	184,421	1/4	194,148	1/4		1/4		1/4		1/4		1/4	
1/2	153,482	1/2	163,876	1/2	174,269	1/2	184,637	1/2	194,242	1/2		1/2		1/2		1/2		1/2	
3/4	153,699	3/4	164,092	3/4	174,485	3/4	184,853	3/4	194,337	3/4		3/4		3/4		3/4		3/4	
3	153,915	3	164,309	3	174,702	3	185,068	3	194,431	3		3		3		3		3	
1/4	154,132	1/4	164,525	1/4	174,919	1/4	185,284	1/4	194,486	1/4		1/4		1/4		1/4		1/4	
1/2	154,349	1/2	164,742	1/2	175,135	1/2	185,500	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,565	3/4	164,958	3/4	175,352	3/4	185,716	3/4		3/4		3/4		3/4		3/4		3/4	
4	154,782	4	165,175	4	175,568	4	185,932	4		4		4		4		4		4	
1/4	154,998	1/4	165,391	1/4	175,784	1/4	186,148	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,215	1/2	165,608	1/2	176,000	1/2	186,364	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,431	3/4	165,824	3/4	176,216	3/4	186,580	3/4		3/4		3/4		3/4		3/4		3/4	
5	155,648	5	166,041	5	176,432	5	186,796	5		5		5		5		5		5	
1/4	155,864	1/4	166,257	1/4	176,648	1/4	187,012	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,081	1/2	166,474	1/2	176,864	1/2	187,228	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,297	3/4	166,691	3/4	177,080	3/4	187,444	3/4		3/4		3/4		3/4		3/4		3/4	
6	156,514	6	166,907	6	177,295	6	187,659	6		6		6		6		6		6	
1/4	156,730	1/4	167,124	1/4	177,511	1/4	187,875	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,947	1/2	167,340	1/2	177,727	1/2	188,091	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,163	3/4	167,557	3/4	177,943	3/4	188,307	3/4		3/4		3/4		3/4		3/4		3/4	
7	157,380	7	167,773	7	178,159	7	188,523	7		7		7		7		7		7	
1/4	157,596	1/4	167,990	1/4	178,375	1/4	188,739	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,813	1/2	168,206	1/2	178,591	1/2	188,955	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,029	3/4	168,423	3/4	178,807	3/4	189,171	3/4		3/4		3/4		3/4		3/4		3/4	
8	158,246	8	168,639	8	179,023	8	189,387	8		8		8		8		8		8	
1/4	158,463	1/4	168,856	1/4	179,239	1/4	189,603	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,679	1/2	169,072	1/2	179,455	1/2	189,819	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,896	3/4	169,289	3/4	179,671	3/4	190,035	3/4		3/4		3/4		3/4		3/4		3/4	
9	159,112	9	169,505	9	179,886	9	190,250	9		9		9		9		9		9	
1/4	159,329	1/4	169,722	1/4	180,102	1/4	190,466	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,545	1/2	169,938	1/2	180,318	1/2	190,682	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,762	3/4	170,155	3/4	180,534	3/4	190,898	3/4		3/4		3/4		3/4		3/4		3/4	
10	159,978	10	170,371	10	180,750	10	191,113	10		10		10		10		10		10	
1/4	160,195	1/4	170,588	1/4	180,966	1/4	191,329	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,411	1/2	170,805	1/2	181,182	1/2	191,544	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,628	3/4	171,021	3/4	181,398	3/4	191,759	3/4		3/4		3/4		3/4		3/4		3/4	
11	160,844	11	171,238	11	181,614	11	191,974	11		11		11		11		11		11	
1/4	161,061	1/4	171,454	1/4	181,830	1/4	192,184	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,277	1/2	171,671	1/2	182,046	1/2	192,394	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,494	3/4	171,887	3/4	182,262	3/4	192,604	3/4		3/4		3/4		3/4		3/4		3/4	

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CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "HSM 3043"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 4'-01"

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	116	0	295	0	470	0		0		0		0		0		0	
1/4	1	1/4	120	1/4	299	1/4	473	1/4	1/4	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	2	1/2	123	1/2	303	1/2	476	1/2	1/2	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	2	3/4	126	3/4	307	3/4	479	3/4	3/4	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
1	3	1	130	1	311	1	482	1	1	1		1	1	1	1	1	1	1	
1/4	4	1/4	133	1/4	314	1/4	485	1/4	1/4	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	6	1/2	137	1/2	318	1/2	488	1/2	1/2	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	7	3/4	140	3/4	322	3/4	491	3/4	3/4	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
2	8	2	144	2	326	2	494	2	2	2		2	2	2	2	2	2	2	
1/4	10	1/4	148	1/4	330	1/4	497	1/4	1/4	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	12	1/2	151	1/2	334	1/2	500	1/2	1/2	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	14	3/4	155	3/4	337	3/4	503	3/4	3/4	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
3	16	3	158	3	341	3	506	3	3	3		3	3	3	3	3	3	3	
1/4	18	1/4	162	1/4	345	1/4	508	1/4	1/4	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	20	1/2	166	1/2	349	1/2	511	1/2	1/2	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	22	3/4	169	3/4	353	3/4	514	3/4	3/4	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
4	24	4	173	4	356	4	516	4	4	4		4	4	4	4	4	4	4	
1/4	26	1/4	177	1/4	360	1/4	519	1/4	1/4	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	28	1/2	180	1/2	364	1/2	521	1/2	1/2	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	31	3/4	184	3/4	368	3/4	524	3/4	3/4	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
5	33	5	188	5	372	5	526	5	5	5		5	5	5	5	5	5	5	
1/4	35	1/4	192	1/4	375	1/4	529	1/4	1/4	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	38	1/2	195	1/2	379	1/2	531	1/2	1/2	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	40	3/4	199	3/4	383	3/4	533	3/4	3/4	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
6	43	6	203	6	386	6	536	6	6	6		6	6	6	6	6	6	6	
1/4	46	1/4	207	1/4	390	1/4	538	1/4	1/4	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	48	1/2	210	1/2	394	1/2	540	1/2	1/2	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	51	3/4	214	3/4	397	3/4	542	3/4	3/4	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
7	54	7	218	7	401	7	544	7	7	7		7	7	7	7	7	7	7	
1/4	57	1/4	222	1/4	405	1/4	546	1/4	1/4	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	59	1/2	226	1/2	408	1/2	547	1/2	1/2	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	62	3/4	230	3/4	412	3/4	549	3/4	3/4	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
8	65	8	233	8	415	8	551	8	8	8		8	8	8	8	8	8	8	
1/4	68	1/4	237	1/4	419	1/4	552	1/4	1/4	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	71	1/2	241	1/2	422	1/2	554	1/2	1/2	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	74	3/4	245	3/4	426	3/4	555	3/4	3/4	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
9	77	9	249	9	429	9	556	9	9	9		9	9	9	9	9	9	9	
1/4	80	1/4	253	1/4	433	1/4	557	1/4	1/4	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	83	1/2	256	1/2	436	1/2	558	1/2	1/2	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	87	3/4	260	3/4	440	3/4	559	3/4	3/4	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
10	90	10	264	10	443	10	559	10	10	10		10	10	10	10	10	10	10	
1/4	93	1/4	268	1/4	447	1/4		1/4	1/4	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	96	1/2	272	1/2	450	1/2		1/2	1/2	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	99	3/4	276	3/4	453	3/4		3/4	3/4	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
11	103	11	280	11	457	11		11	11	11		11	11	11	11	11	11	11	
1/4	106	1/4	284	1/4	460	1/4		1/4	1/4	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	109	1/2	287	1/2	463	1/2		1/2	1/2	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	113	3/4	291	3/4	466	3/4		3/4	3/4	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 INNAGE GAUGES TAKEN TO TOP LIP OF 8" HATCH

STRAPPED: 04/03/2019 CL
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CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2019

PRECISION MEASUREMENT
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BARGE "HSM 3043"

PORT SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-10 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	24	0	1,181	0	2,337	0	3,494	0	4,650	0		0		0		0		0	
1/4	48	1/4	1,205	1/4	2,361	1/4	3,518	1/4	4,674	1/4		1/4		1/4		1/4		1/4	
1/2	72	1/2	1,229	1/2	2,385	1/2	3,542	1/2	4,698	1/2		1/2		1/2		1/2		1/2	
3/4	96	3/4	1,253	3/4	2,409	3/4	3,566	3/4	4,722	3/4		3/4		3/4		3/4		3/4	
1	120	1	1,277	1	2,433	1	3,590	1	4,746	1		1		1		1		1	
1/4	145	1/4	1,301	1/4	2,458	1/4	3,614	1/4	4,770	1/4		1/4		1/4		1/4		1/4	
1/2	169	1/2	1,325	1/2	2,482	1/2	3,638	1/2	4,793	1/2		1/2		1/2		1/2		1/2	
3/4	193	3/4	1,349	3/4	2,506	3/4	3,662	3/4	4,817	3/4		3/4		3/4		3/4		3/4	
2	217	2	1,373	2	2,530	2	3,686	2	4,841	2		2		2		2		2	
1/4	241	1/4	1,397	1/4	2,554	1/4	3,710	1/4	4,865	1/4		1/4		1/4		1/4		1/4	
1/2	265	1/2	1,422	1/2	2,578	1/2	3,734	1/2	4,888	1/2		1/2		1/2		1/2		1/2	
3/4	289	3/4	1,446	3/4	2,602	3/4	3,759	3/4	4,912	3/4		3/4		3/4		3/4		3/4	
3	313	3	1,470	3	2,626	3	3,783	3	4,936	3		3		3		3		3	
1/4	337	1/4	1,494	1/4	2,650	1/4	3,807	1/4	4,960	1/4		1/4		1/4		1/4		1/4	
1/2	361	1/2	1,518	1/2	2,674	1/2	3,831	1/2	4,983	1/2		1/2		1/2		1/2		1/2	
3/4	385	3/4	1,542	3/4	2,698	3/4	3,855	3/4	5,007	3/4		3/4		3/4		3/4		3/4	
4	410	4	1,566	4	2,723	4	3,879	4	5,031	4		4		4		4		4	
1/4	434	1/4	1,590	1/4	2,747	1/4	3,903	1/4	5,054	1/4		1/4		1/4		1/4		1/4	
1/2	458	1/2	1,614	1/2	2,771	1/2	3,927	1/2	5,078	1/2		1/2		1/2		1/2		1/2	
3/4	482	3/4	1,638	3/4	2,795	3/4	3,951	3/4	5,102	3/4		3/4		3/4		3/4		3/4	
5	506	5	1,662	5	2,819	5	3,975	5	5,126	5		5		5		5		5	
1/4	530	1/4	1,687	1/4	2,843	1/4	3,999	1/4	5,149	1/4		1/4		1/4		1/4		1/4	
1/2	554	1/2	1,711	1/2	2,867	1/2	4,024	1/2	5,173	1/2		1/2		1/2		1/2		1/2	
3/4	578	3/4	1,735	3/4	2,891	3/4	4,048	3/4	5,197	3/4		3/4		3/4		3/4		3/4	
6	602	6	1,759	6	2,915	6	4,072	6		6		6		6		6		6	
1/4	626	1/4	1,783	1/4	2,939	1/4	4,096	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	651	1/2	1,807	1/2	2,963	1/2	4,120	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	675	3/4	1,831	3/4	2,988	3/4	4,144	3/4		3/4		3/4		3/4		3/4		3/4	
7	699	7	1,855	7	3,012	7	4,168	7		7		7		7		7		7	
1/4	723	1/4	1,879	1/4	3,036	1/4	4,192	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	747	1/2	1,903	1/2	3,060	1/2	4,216	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	771	3/4	1,927	3/4	3,084	3/4	4,240	3/4		3/4		3/4		3/4		3/4		3/4	
8	795	8	1,952	8	3,108	8	4,265	8		8		8		8		8		8	
1/4	819	1/4	1,976	1/4	3,132	1/4	4,289	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	843	1/2	2,000	1/2	3,156	1/2	4,313	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	867	3/4	2,024	3/4	3,180	3/4	4,337	3/4		3/4		3/4		3/4		3/4		3/4	
9	891	9	2,048	9	3,204	9	4,361	9		9		9		9		9		9	
1/4	916	1/4	2,072	1/4	3,228	1/4	4,385	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	940	1/2	2,096	1/2	3,253	1/2	4,409	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	964	3/4	2,120	3/4	3,277	3/4	4,433	3/4		3/4		3/4		3/4		3/4		3/4	
10	988	10	2,144	10	3,301	10	4,457	10		10		10		10		10		10	
1/4	1,012	1/4	2,168	1/4	3,325	1/4	4,481	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,036	1/2	2,192	1/2	3,349	1/2	4,505	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,060	3/4	2,217	3/4	3,373	3/4	4,530	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,084	11	2,241	11	3,397	11	4,554	11		11		11		11		11		11	
1/4	1,108	1/4	2,265	1/4	3,421	1/4	4,578	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,132	1/2	2,289	1/2	3,445	1/2	4,602	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,156	3/4	2,313	3/4	3,469	3/4	4,626	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.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF MMC VALVE

STRAPPED: 04/03/2019 CL
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CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "HSM 3043"

STBD SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-10 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	24	0	1,185	0	2,346	0	3,507	0	4,668	0		0		0		0		0	
1/4	48	1/4	1,209	1/4	2,370	1/4	3,531	1/4	4,692	1/4		1/4		1/4		1/4		1/4	
1/2	73	1/2	1,233	1/2	2,394	1/2	3,555	1/2	4,716	1/2		1/2		1/2		1/2		1/2	
3/4	97	3/4	1,258	3/4	2,419	3/4	3,579	3/4	4,740	3/4		3/4		3/4		3/4		3/4	
1	121	1	1,282	1	2,443	1	3,604	1	4,764	1		1		1		1		1	
1/4	145	1/4	1,306	1/4	2,467	1/4	3,628	1/4	4,788	1/4		1/4		1/4		1/4		1/4	
1/2	169	1/2	1,330	1/2	2,491	1/2	3,652	1/2	4,812	1/2		1/2		1/2		1/2		1/2	
3/4	193	3/4	1,354	3/4	2,515	3/4	3,676	3/4	4,836	3/4		3/4		3/4		3/4		3/4	
2	218	2	1,379	2	2,539	2	3,700	2	4,859	2		2		2		2		2	
1/4	242	1/4	1,403	1/4	2,564	1/4	3,724	1/4	4,883	1/4		1/4		1/4		1/4		1/4	
1/2	266	1/2	1,427	1/2	2,588	1/2	3,749	1/2	4,907	1/2		1/2		1/2		1/2		1/2	
3/4	290	3/4	1,451	3/4	2,612	3/4	3,773	3/4	4,931	3/4		3/4		3/4		3/4		3/4	
3	314	3	1,475	3	2,636	3	3,797	3	4,955	3		3		3		3		3	
1/4	339	1/4	1,499	1/4	2,660	1/4	3,821	1/4	4,978	1/4		1/4		1/4		1/4		1/4	
1/2	363	1/2	1,524	1/2	2,685	1/2	3,845	1/2	5,002	1/2		1/2		1/2		1/2		1/2	
3/4	387	3/4	1,548	3/4	2,709	3/4	3,870	3/4	5,026	3/4		3/4		3/4		3/4		3/4	
4	411	4	1,572	4	2,733	4	3,894	4	5,050	4		4		4		4		4	
1/4	435	1/4	1,596	1/4	2,757	1/4	3,918	1/4	5,074	1/4		1/4		1/4		1/4		1/4	
1/2	460	1/2	1,620	1/2	2,781	1/2	3,942	1/2	5,098	1/2		1/2		1/2		1/2		1/2	
3/4	484	3/4	1,645	3/4	2,805	3/4	3,966	3/4	5,121	3/4		3/4		3/4		3/4		3/4	
5	508	5	1,669	5	2,830	5	3,991	5	5,145	5		5		5		5		5	
1/4	532	1/4	1,693	1/4	2,854	1/4	4,015	1/4	5,169	1/4		1/4		1/4		1/4		1/4	
1/2	556	1/2	1,717	1/2	2,878	1/2	4,039	1/2	5,193	1/2		1/2		1/2		1/2		1/2	
3/4	580	3/4	1,741	3/4	2,902	3/4	4,063	3/4	5,217	3/4		3/4		3/4		3/4		3/4	
6	605	6	1,766	6	2,926	6	4,087	6		6		6		6		6		6	
1/4	629	1/4	1,790	1/4	2,951	1/4	4,111	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	653	1/2	1,814	1/2	2,975	1/2	4,136	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	677	3/4	1,838	3/4	2,999	3/4	4,160	3/4		3/4		3/4		3/4		3/4		3/4	
7	701	7	1,862	7	3,023	7	4,184	7		7		7		7		7		7	
1/4	726	1/4	1,886	1/4	3,047	1/4	4,208	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	750	1/2	1,911	1/2	3,071	1/2	4,232	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	774	3/4	1,935	3/4	3,096	3/4	4,257	3/4		3/4		3/4		3/4		3/4		3/4	
8	798	8	1,959	8	3,120	8	4,281	8		8		8		8		8		8	
1/4	822	1/4	1,983	1/4	3,144	1/4	4,305	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	846	1/2	2,007	1/2	3,168	1/2	4,329	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	871	3/4	2,032	3/4	3,192	3/4	4,353	3/4		3/4		3/4		3/4		3/4		3/4	
9	895	9	2,056	9	3,217	9	4,377	9		9		9		9		9		9	
1/4	919	1/4	2,080	1/4	3,241	1/4	4,402	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	943	1/2	2,104	1/2	3,265	1/2	4,426	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	967	3/4	2,128	3/4	3,289	3/4	4,450	3/4		3/4		3/4		3/4		3/4		3/4	
10	992	10	2,152	10	3,313	10	4,474	10		10		10		10		10		10	
1/4	1,016	1/4	2,177	1/4	3,338	1/4	4,498	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,040	1/2	2,201	1/2	3,362	1/2	4,523	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,064	3/4	2,225	3/4	3,386	3/4	4,547	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,088	11	2,249	11	3,410	11	4,571	11		11		11		11		11		11	
1/4	1,113	1/4	2,273	1/4	3,434	1/4	4,595	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,137	1/2	2,298	1/2	3,458	1/2	4,619	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,161	3/4	2,322	3/4	3,483	3/4	4,644	3/4		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.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF THE 2" MMC VALVE.

STRAPPED: 04/03/2019 CL
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CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2019

PRECISION MEASUREMENT
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BARGE "HSM 3043"

ULLAGE TRIM TABLE "MMC"

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

(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 1 PORT IS - 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 238'-09"

May 12, 2019

PRECISION MEASUREMENT
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 Pearland, Texas 77588

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BARGE "HSM 3043"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-07 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	203,798	0	188,753	0	173,678	0	158,590	0	143,501	0	128,412	0	113,323	0	98,234
1/4		1/4		1/4	203,485	1/4	188,440	1/4	173,364	1/4	158,275	1/4	143,186	1/4	128,098	1/4	113,009	1/4	97,920
1/2		1/2		1/2	203,172	1/2	188,127	1/2	173,050	1/2	157,961	1/2	142,872	1/2	127,783	1/2	112,695	1/2	97,606
3/4		3/4		3/4	202,858	3/4	187,813	3/4	172,735	3/4	157,647	3/4	142,558	3/4	127,469	3/4	112,380	3/4	97,291
1		1		1	202,545	1	187,500	1	172,421	1	157,332	1	142,243	1	127,155	1	112,066	1	96,977
1/4		1/4		1/4	202,231	1/4	187,186	1/4	172,107	1/4	157,018	1/4	141,929	1/4	126,840	1/4	111,751	1/4	96,663
1/2		1/2		1/2	201,918	1/2	186,873	1/2	171,792	1/2	156,703	1/2	141,615	1/2	126,526	1/2	111,437	1/2	96,348
3/4		3/4		3/4	201,604	3/4	186,559	3/4	171,478	3/4	156,389	3/4	141,300	3/4	126,212	3/4	111,123	3/4	96,034
2		2		2	201,291	2	186,246	2	171,164	2	156,075	2	140,986	2	125,897	2	110,808	2	95,720
1/4		1/4		1/4	200,977	1/4	185,932	1/4	170,849	1/4	155,760	1/4	140,672	1/4	125,583	1/4	110,494	1/4	95,405
1/2		1/2		1/2	200,664	1/2	185,619	1/2	170,535	1/2	155,446	1/2	140,357	1/2	125,269	1/2	110,180	1/2	95,091
3/4		3/4		3/4	200,351	3/4	185,306	3/4	170,220	3/4	155,132	3/4	140,043	3/4	124,954	3/4	109,865	3/4	94,777
3		3		3	200,037	3	184,992	3	169,906	3	154,817	3	139,729	3	124,640	3	109,551	3	94,462
1/4		1/4		1/4	199,724	1/4	184,679	1/4	169,592	1/4	154,503	1/4	139,414	1/4	124,325	1/4	109,237	1/4	94,148
1/2		1/2		1/2	199,410	1/2	184,365	1/2	169,277	1/2	154,189	1/2	139,100	1/2	124,011	1/2	108,922	1/2	93,834
3/4		3/4		3/4	199,097	3/4	184,052	3/4	168,963	3/4	153,874	3/4	138,786	3/4	123,697	3/4	108,608	3/4	93,519
4		4		4	198,783	4	183,738	4	168,649	4	153,560	4	138,471	4	123,382	4	108,294	4	93,205
1/4		1/4		1/4	198,470	1/4	183,423	1/4	168,334	1/4	153,246	1/4	138,157	1/4	123,068	1/4	107,979	1/4	92,891
1/2		1/2	212,018	1/2	198,157	1/2	183,109	1/2	168,020	1/2	152,931	1/2	137,842	1/2	122,754	1/2	107,665	1/2	92,576
3/4		3/4	211,868	3/4	197,843	3/4	182,794	3/4	167,706	3/4	152,617	3/4	137,528	3/4	122,439	3/4	107,351	3/4	92,262
5		5	211,679	5	197,530	5	182,480	5	167,391	5	152,303	5	137,214	5	122,125	5	107,036	5	91,947
1/4		1/4	211,489	1/4	197,216	1/4	182,166	1/4	167,077	1/4	151,988	1/4	136,899	1/4	121,811	1/4	106,722	1/4	91,633
1/2		1/2	211,300	1/2	196,903	1/2	181,851	1/2	166,763	1/2	151,674	1/2	136,585	1/2	121,496	1/2	106,408	1/2	91,319
3/4		3/4	211,110	3/4	196,589	3/4	181,537	3/4	166,448	3/4	151,360	3/4	136,271	3/4	121,182	3/4	106,093	3/4	91,004
6		6	210,882	6	196,276	6	181,223	6	166,134	6	151,045	6	135,956	6	120,868	6	105,779	6	90,690
1/4		1/4	210,653	1/4	195,962	1/4	180,908	1/4	165,820	1/4	150,731	1/4	135,642	1/4	120,553	1/4	105,464	1/4	90,376
1/2		1/2	210,424	1/2	195,649	1/2	180,594	1/2	165,505	1/2	150,416	1/2	135,328	1/2	120,239	1/2	105,150	1/2	90,061
3/4		3/4	210,196	3/4	195,336	3/4	180,280	3/4	165,191	3/4	150,102	3/4	135,013	3/4	119,925	3/4	104,836	3/4	89,747
7		7	209,922	7	195,022	7	179,965	7	164,877	7	149,788	7	134,699	7	119,610	7	104,521	7	89,433
1/4		1/4	209,647	1/4	194,709	1/4	179,651	1/4	164,562	1/4	149,473	1/4	134,385	1/4	119,296	1/4	104,207	1/4	89,118
1/2		1/2	209,373	1/2	194,395	1/2	179,337	1/2	164,248	1/2	149,159	1/2	134,070	1/2	118,982	1/2	103,893	1/2	88,804
3/4		3/4	209,099	3/4	194,082	3/4	179,022	3/4	163,934	3/4	148,845	3/4	133,756	3/4	118,667	3/4	103,578	3/4	88,490
8		8	208,792	8	193,768	8	178,708	8	163,619	8	148,530	8	133,442	8	118,353	8	103,264	8	88,175
1/4		1/4	208,484	1/4	193,455	1/4	178,394	1/4	163,305	1/4	148,216	1/4	133,127	1/4	118,038	1/4	102,950	1/4	87,861
1/2		1/2	208,177	1/2	193,142	1/2	178,079	1/2	162,990	1/2	147,902	1/2	132,813	1/2	117,724	1/2	102,635	1/2	87,547
3/4		3/4	207,869	3/4	192,828	3/4	177,765	3/4	162,676	3/4	147,587	3/4	132,499	3/4	117,410	3/4	102,321	3/4	87,232
9		9	207,557	9	192,515	9	177,451	9	162,362	9	147,273	9	132,184	9	117,095	9	102,007	9	86,918
1/4		1/4	207,244	1/4	192,201	1/4	177,136	1/4	162,047	1/4	146,959	1/4	131,870	1/4	116,781	1/4	101,692	1/4	86,604
1/2		1/2	206,931	1/2	191,888	1/2	176,822	1/2	161,733	1/2	146,644	1/2	131,556	1/2	116,467	1/2	101,378	1/2	86,289
3/4		3/4	206,619	3/4	191,574	3/4	176,507	3/4	161,419	3/4	146,330	3/4	131,241	3/4	116,152	3/4	101,064	3/4	85,975
10		10	206,305	10	191,261	10	176,193	10	161,104	10	146,016	10	130,927	10	115,838	10	100,749	10	85,660
1/4		1/4	205,992	1/4	190,947	1/4	175,879	1/4	160,790	1/4	145,701	1/4	130,612	1/4	115,524	1/4	100,435	1/4	85,346
1/2		1/2	205,679	1/2	190,634	1/2	175,564	1/2	160,476	1/2	145,387	1/2	130,298	1/2	115,209	1/2	100,121	1/2	85,032
3/4		3/4	205,366	3/4	190,321	3/4	175,250	3/4	160,161	3/4	145,073	3/4	129,984	3/4	114,895	3/4	99,806	3/4	84,717
11		11	205,052	11	190,007	11	174,936	11	159,847	11	144,758	11	129,669	11	114,581	11	99,492	11	84,403
1/4		1/4	204,739	1/4	189,694	1/4	174,621	1/4	159,533	1/4	144,444	1/4	129,355	1/4	114,266	1/4	99,178	1/4	84,089
1/2		1/2	204,425	1/2	189,380	1/2	174,307	1/2	159,218	1/2	144,129	1/2	129,041	1/2	113,952	1/2	98,863	1/2	83,774
3/4		3/4	204,112	3/4	189,067	3/4	173,993	3/4	158,904	3/4	143,815	3/4	128,726	3/4	113,638	3/4	98,549	3/4	83,460

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 TOP LIP OF 2" MMC VALVE
GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 3043"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-07 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	83,146	0	68,057	0	52,968	0	37,938	0	22,942	0	8,381	0		0		0		0	
1/4	82,831	1/4	67,743	1/4	52,654	1/4	37,627	1/4	22,628	1/4	8,099	1/4		1/4		1/4		1/4	
1/2	82,517	1/2	67,428	1/2	52,339	1/2	37,316	1/2	22,314	1/2	7,818	1/2		1/2		1/2		1/2	
3/4	82,203	3/4	67,114	3/4	52,025	3/4	37,005	3/4	21,999	3/4	7,536	3/4		3/4		3/4		3/4	
1	81,888	1	66,800	1	51,711	1	36,694	1	21,685	1	7,259	1		1		1		1	
1/4	81,574	1/4	66,485	1/4	51,396	1/4	36,384	1/4	21,371	1/4	6,981	1/4		1/4		1/4		1/4	
1/2	81,260	1/2	66,171	1/2	51,082	1/2	36,073	1/2	21,056	1/2	6,703	1/2		1/2		1/2		1/2	
3/4	80,945	3/4	65,856	3/4	50,768	3/4	35,762	3/4	20,742	3/4	6,426	3/4		3/4		3/4		3/4	
2	80,631	2	65,542	2	50,453	2	35,451	2	20,428	2	6,152	2		2		2		2	
1/4	80,317	1/4	65,228	1/4	50,139	1/4	35,140	1/4	20,113	1/4	5,878	1/4		1/4		1/4		1/4	
1/2	80,002	1/2	64,913	1/2	49,825	1/2	34,829	1/2	19,799	1/2	5,605	1/2		1/2		1/2		1/2	
3/4	79,688	3/4	64,599	3/4	49,510	3/4	34,518	3/4	19,485	3/4	5,331	3/4		3/4		3/4		3/4	
3	79,373	3	64,285	3	49,196	3	34,207	3	19,170	3	5,062	3		3		3		3	
1/4	79,059	1/4	63,970	1/4	48,882	1/4	33,896	1/4	18,856	1/4	4,792	1/4		1/4		1/4		1/4	
1/2	78,745	1/2	63,656	1/2	48,567	1/2	33,585	1/2	18,542	1/2	4,523	1/2		1/2		1/2		1/2	
3/4	78,430	3/4	63,342	3/4	48,253	3/4	33,275	3/4	18,227	3/4	4,254	3/4		3/4		3/4		3/4	
4	78,116	4	63,027	4	47,939	4	32,964	4	17,915	4	3,989	4		4		4		4	
1/4	77,802	1/4	62,713	1/4	47,624	1/4	32,653	1/4	17,603	1/4	3,724	1/4		1/4		1/4		1/4	
1/2	77,487	1/2	62,399	1/2	47,310	1/2	32,342	1/2	17,290	1/2	3,459	1/2		1/2		1/2		1/2	
3/4	77,173	3/4	62,084	3/4	46,995	3/4	32,031	3/4	16,978	3/4	3,194	3/4		3/4		3/4		3/4	
5	76,859	5	61,770	5	46,681	5	31,720	5	16,669	5	2,934	5		5		5		5	
1/4	76,544	1/4	61,456	1/4	46,367	1/4	31,409	1/4	16,361	1/4	2,674	1/4		1/4		1/4		1/4	
1/2	76,230	1/2	61,141	1/2	46,052	1/2	31,098	1/2	16,052	1/2	2,414	1/2		1/2		1/2		1/2	
3/4	75,916	3/4	60,827	3/4	45,738	3/4	30,787	3/4	15,744	3/4	2,154	3/4		3/4		3/4		3/4	
6	75,601	6	60,513	6	45,424	6	30,476	6	15,439	6	1,900	6		6		6		6	
1/4	75,287	1/4	60,198	1/4	45,109	1/4	30,165	1/4	15,134	1/4	1,645	1/4		1/4		1/4		1/4	
1/2	74,973	1/2	59,884	1/2	44,795	1/2	29,855	1/2	14,829	1/2	1,391	1/2		1/2		1/2		1/2	
3/4	74,658	3/4	59,569	3/4	44,481	3/4	29,544	3/4	14,525	3/4	1,136	3/4		3/4		3/4		3/4	
7	74,344	7	59,255	7	44,168	7	29,229	7	14,224	7	934	7		7		7		7	
1/4	74,030	1/4	58,941	1/4	43,856	1/4	28,915	1/4	13,923	1/4	732	1/4		1/4		1/4		1/4	
1/2	73,715	1/2	58,626	1/2	43,544	1/2	28,601	1/2	13,622	1/2	531	1/2		1/2		1/2		1/2	
3/4	73,401	3/4	58,312	3/4	43,232	3/4	28,286	3/4	13,321	3/4	329	3/4		3/4		3/4		3/4	
8	73,086	8	57,998	8	42,919	8	27,972	8	13,024	8		8		8		8		8	
1/4	72,772	1/4	57,683	1/4	42,607	1/4	27,658	1/4	12,727	1/4		1/4		1/4		1/4		1/4	
1/2	72,458	1/2	57,369	1/2	42,295	1/2	27,343	1/2	12,430	1/2		1/2		1/2		1/2		1/2	
3/4	72,143	3/4	57,055	3/4	41,983	3/4	27,029	3/4	12,134	3/4		3/4		3/4		3/4		3/4	
9	71,829	9	56,740	9	41,671	9	26,715	9	11,840	9		9		9		9		9	
1/4	71,515	1/4	56,426	1/4	41,360	1/4	26,400	1/4	11,547	1/4		1/4		1/4		1/4		1/4	
1/2	71,200	1/2	56,112	1/2	41,049	1/2	26,086	1/2	11,254	1/2		1/2		1/2		1/2		1/2	
3/4	70,886	3/4	55,797	3/4	40,738	3/4	25,772	3/4	10,961	3/4		3/4		3/4		3/4		3/4	
10	70,572	10	55,483	10	40,426	10	25,457	10	10,672	10		10		10		10		10	
1/4	70,257	1/4	55,169	1/4	40,115	1/4	25,143	1/4	10,383	1/4		1/4		1/4		1/4		1/4	
1/2	69,943	1/2	54,854	1/2	39,804	1/2	24,829	1/2	10,093	1/2		1/2		1/2		1/2		1/2	
3/4	69,629	3/4	54,540	3/4	39,493	3/4	24,514	3/4	9,804	3/4		3/4		3/4		3/4		3/4	
11	69,314	11	54,226	11	39,182	11	24,200	11	9,519	11		11		11		11		11	
1/4	69,000	1/4	53,911	1/4	38,871	1/4	23,886	1/4	9,233	1/4		1/4		1/4		1/4		1/4	
1/2	68,686	1/2	53,597	1/2	38,560	1/2	23,571	1/2	8,948	1/2		1/2		1/2		1/2		1/2	
3/4	68,371	3/4	53,282	3/4	38,249	3/4	23,257	3/4	8,662	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/23/2019 CL
CALCULATED: 05/09/2019 CL
PRINTED: 05/12/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 3043"

1 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08"

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	203,959	0	188,934	0	173,880	0	158,811	0	143,742	0	128,674	0	113,605	0	98,536
1/4		1/4		1/4	203,646	1/4	188,621	1/4	173,566	1/4	158,497	1/4	143,428	1/4	128,360	1/4	113,291	1/4	98,222
1/2		1/2		1/2	203,333	1/2	188,308	1/2	173,252	1/2	158,183	1/2	143,114	1/2	128,046	1/2	112,977	1/2	97,908
3/4		3/4		3/4	203,020	3/4	187,995	3/4	172,938	3/4	157,869	3/4	142,801	3/4	127,732	3/4	112,663	3/4	97,594
1		1		1	202,707	1	187,682	1	172,624	1	157,555	1	142,487	1	127,418	1	112,349	1	97,280
1/4		1/4		1/4	202,394	1/4	187,369	1/4	172,310	1/4	157,241	1/4	142,173	1/4	127,104	1/4	112,035	1/4	96,967
1/2		1/2		1/2	202,081	1/2	187,056	1/2	171,996	1/2	156,927	1/2	141,859	1/2	126,790	1/2	111,721	1/2	96,653
3/4		3/4		3/4	201,768	3/4	186,743	3/4	171,682	3/4	156,613	3/4	141,545	3/4	126,476	3/4	111,407	3/4	96,339
2		2		2	201,455	2	186,430	2	171,368	2	156,300	2	141,231	2	126,162	2	111,093	2	96,025
1/4		1/4		1/4	201,142	1/4	186,117	1/4	171,054	1/4	155,986	1/4	140,917	1/4	125,848	1/4	110,779	1/4	95,711
1/2		1/2		1/2	200,829	1/2	185,804	1/2	170,740	1/2	155,672	1/2	140,603	1/2	125,534	1/2	110,466	1/2	95,397
3/4		3/4		3/4	200,516	3/4	185,491	3/4	170,426	3/4	155,358	3/4	140,289	3/4	125,220	3/4	110,152	3/4	95,083
3		3		3	200,203	3	185,178	3	170,113	3	155,044	3	139,975	3	124,906	3	109,838	3	94,769
1/4		1/4		1/4	199,889	1/4	184,865	1/4	169,799	1/4	154,730	1/4	139,661	1/4	124,592	1/4	109,524	1/4	94,455
1/2		1/2		1/2	199,576	1/2	184,552	1/2	169,485	1/2	154,416	1/2	139,347	1/2	124,279	1/2	109,210	1/2	94,141
3/4		3/4		3/4	199,263	3/4	184,239	3/4	169,171	3/4	154,102	3/4	139,033	3/4	123,965	3/4	108,896	3/4	93,827
4		4		4	198,950	4	183,926	4	168,857	4	153,788	4	138,719	4	123,651	4	108,582	4	93,513
1/4		1/4		1/4	198,637	1/4	183,612	1/4	168,543	1/4	153,474	1/4	138,405	1/4	123,337	1/4	108,268	1/4	93,199
1/2		1/2		1/2	198,324	1/2	183,298	1/2	168,229	1/2	153,160	1/2	138,092	1/2	123,023	1/2	107,954	1/2	92,885
3/4		3/4		3/4	211,854	3/4	198,011	3/4	182,984	3/4	167,915	3/4	152,846	3/4	137,778	3/4	122,709	3/4	107,640
5		5		5	197,698	5	182,670	5	167,601	5	152,532	5	137,464	5	122,395	5	107,326	5	92,258
1/4		1/4		1/4	211,515	1/4	197,385	1/4	182,356	1/4	167,287	1/4	152,218	1/4	137,150	1/4	122,081	1/4	91,944
1/2		1/2		1/2	211,326	1/2	197,072	1/2	182,042	1/2	166,973	1/2	151,905	1/2	136,836	1/2	121,767	1/2	91,630
3/4		3/4		3/4	211,137	3/4	196,759	3/4	181,728	3/4	166,659	3/4	151,591	3/4	136,522	3/4	121,453	3/4	91,316
6		6		6	210,948	6	196,446	6	181,414	6	166,345	6	151,277	6	136,208	6	121,139	6	91,002
1/4		1/4		1/4	210,719	1/4	196,133	1/4	181,100	1/4	166,031	1/4	150,963	1/4	135,894	1/4	120,825	1/4	90,688
1/2		1/2		1/2	210,491	1/2	195,820	1/2	180,786	1/2	165,717	1/2	150,649	1/2	135,580	1/2	120,511	1/2	90,374
3/4		3/4		3/4	210,263	3/4	195,507	3/4	180,472	3/4	165,404	3/4	150,335	3/4	135,266	3/4	120,197	3/4	90,060
7		7		7	210,035	7	195,194	7	180,158	7	165,090	7	150,021	7	134,952	7	119,884	7	89,746
1/4		1/4		1/4	209,761	1/4	194,881	1/4	179,844	1/4	164,776	1/4	149,707	1/4	134,638	1/4	119,570	1/4	89,432
1/2		1/2		1/2	209,487	1/2	194,568	1/2	179,530	1/2	164,462	1/2	149,393	1/2	134,324	1/2	119,256	1/2	89,118
3/4		3/4		3/4	209,213	3/4	194,255	3/4	179,217	3/4	164,148	3/4	149,079	3/4	134,010	3/4	118,942	3/4	88,804
8		8		8	208,939	8	193,942	8	178,903	8	163,834	8	148,765	8	133,696	8	118,628	8	88,490
1/4		1/4		1/4	208,632	1/4	193,629	1/4	178,589	1/4	163,520	1/4	148,451	1/4	133,383	1/4	118,314	1/4	88,176
1/2		1/2		1/2	208,325	1/2	193,316	1/2	178,275	1/2	163,206	1/2	148,137	1/2	133,069	1/2	118,000	1/2	87,863
3/4		3/4		3/4	208,018	3/4	193,003	3/4	177,961	3/4	162,892	3/4	147,823	3/4	132,755	3/4	117,686	3/4	87,549
9		9		9	207,711	9	192,690	9	177,647	9	162,578	9	147,509	9	132,441	9	117,372	9	87,235
1/4		1/4		1/4	207,399	1/4	192,377	1/4	177,333	1/4	162,264	1/4	147,196	1/4	132,127	1/4	117,058	1/4	86,921
1/2		1/2		1/2	207,087	1/2	192,064	1/2	177,019	1/2	161,950	1/2	146,882	1/2	131,813	1/2	116,744	1/2	86,607
3/4		3/4		3/4	206,774	3/4	191,751	3/4	176,705	3/4	161,636	3/4	146,568	3/4	131,499	3/4	116,430	3/4	86,293
10		10		10	206,462	10	191,438	10	176,391	10	161,322	10	146,254	10	131,185	10	116,116	10	85,979
1/4		1/4		1/4	206,149	1/4	191,125	1/4	176,077	1/4	161,009	1/4	145,940	1/4	130,871	1/4	115,802	1/4	85,665
1/2		1/2		1/2	205,837	1/2	190,812	1/2	175,763	1/2	160,695	1/2	145,626	1/2	130,557	1/2	115,488	1/2	85,351
3/4		3/4		3/4	205,524	3/4	190,499	3/4	175,449	3/4	160,381	3/4	145,312	3/4	130,243	3/4	115,175	3/4	85,037
11		11		11	205,211	11	190,186	11	175,135	11	160,067	11	144,998	11	129,929	11	114,861	11	84,723
1/4		1/4		1/4	204,898	1/4	189,873	1/4	174,822	1/4	159,753	1/4	144,684	1/4	129,615	1/4	114,547	1/4	84,409
1/2		1/2		1/2	204,585	1/2	189,560	1/2	174,508	1/2	159,439	1/2	144,370	1/2	129,301	1/2	114,233	1/2	84,095
3/4		3/4		3/4	204,272	3/4	189,247	3/4	174,194	3/4	159,125	3/4	144,056	3/4	128,988	3/4	113,919	3/4	83,781

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 TOP LIP OF 2" MMC VALVE
GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 3043"

1 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08"

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	83,467	0	68,399	0	53,330	0	38,269	0	23,223	0	8,649	0		0		0		0	
1/4	83,154	1/4	68,085	1/4	53,016	1/4	37,955	1/4	22,909	1/4	8,368	1/4		1/4		1/4		1/4	
1/2	82,840	1/2	67,771	1/2	52,702	1/2	37,642	1/2	22,595	1/2	8,087	1/2		1/2		1/2		1/2	
3/4	82,526	3/4	67,457	3/4	52,388	3/4	37,329	3/4	22,282	3/4	7,806	3/4		3/4		3/4		3/4	
1	82,212	1	67,143	1	52,074	1	37,016	1	21,968	1	7,524	1		1		1		1	
1/4	81,898	1/4	66,829	1/4	51,760	1/4	36,703	1/4	21,654	1/4	7,247	1/4		1/4		1/4		1/4	
1/2	81,584	1/2	66,515	1/2	51,446	1/2	36,390	1/2	21,340	1/2	6,970	1/2		1/2		1/2		1/2	
3/4	81,270	3/4	66,201	3/4	51,133	3/4	36,077	3/4	21,026	3/4	6,693	3/4		3/4		3/4		3/4	
2	80,956	2	65,887	2	50,819	2	35,764	2	20,712	2	6,416	2		2		2		2	
1/4	80,642	1/4	65,573	1/4	50,505	1/4	35,451	1/4	20,398	1/4	6,142	1/4		1/4		1/4		1/4	
1/2	80,328	1/2	65,259	1/2	50,191	1/2	35,138	1/2	20,084	1/2	5,869	1/2		1/2		1/2		1/2	
3/4	80,014	3/4	64,946	3/4	49,877	3/4	34,824	3/4	19,770	3/4	5,596	3/4		3/4		3/4		3/4	
3	79,700	3	64,632	3	49,563	3	34,511	3	19,456	3	5,323	3		3		3		3	
1/4	79,386	1/4	64,318	1/4	49,249	1/4	34,198	1/4	19,142	1/4	5,054	1/4		1/4		1/4		1/4	
1/2	79,072	1/2	64,004	1/2	48,935	1/2	33,885	1/2	18,828	1/2	4,785	1/2		1/2		1/2		1/2	
3/4	78,758	3/4	63,690	3/4	48,621	3/4	33,572	3/4	18,514	3/4	4,516	3/4		3/4		3/4		3/4	
4	78,445	4	63,376	4	48,307	4	33,259	4	18,201	4	4,247	4		4		4		4	
1/4	78,131	1/4	63,062	1/4	47,993	1/4	32,946	1/4	17,889	1/4	3,982	1/4		1/4		1/4		1/4	
1/2	77,817	1/2	62,748	1/2	47,679	1/2	32,633	1/2	17,577	1/2	3,718	1/2		1/2		1/2		1/2	
3/4	77,503	3/4	62,434	3/4	47,365	3/4	32,320	3/4	17,265	3/4	3,453	3/4		3/4		3/4		3/4	
5	77,189	5	62,120	5	47,051	5	32,007	5	16,953	5	3,189	5		5		5		5	
1/4	76,875	1/4	61,806	1/4	46,737	1/4	31,693	1/4	16,644	1/4	2,929	1/4		1/4		1/4		1/4	
1/2	76,561	1/2	61,492	1/2	46,424	1/2	31,380	1/2	16,336	1/2	2,670	1/2		1/2		1/2		1/2	
3/4	76,247	3/4	61,178	3/4	46,110	3/4	31,067	3/4	16,028	3/4	2,410	3/4		3/4		3/4		3/4	
6	75,933	6	60,864	6	45,796	6	30,754	6	15,720	6	2,151	6		6		6		6	
1/4	75,619	1/4	60,550	1/4	45,482	1/4	30,441	1/4	15,416	1/4	1,897	1/4		1/4		1/4		1/4	
1/2	75,305	1/2	60,237	1/2	45,168	1/2	30,128	1/2	15,111	1/2	1,643	1/2		1/2		1/2		1/2	
3/4	74,991	3/4	59,923	3/4	44,854	3/4	29,815	3/4	14,807	3/4	1,389	3/4		3/4		3/4		3/4	
7	74,677	7	59,609	7	44,540	7	29,502	7	14,503	7	1,135	7		7		7		7	
1/4	74,363	1/4	59,295	1/4	44,226	1/4	29,188	1/4	14,202	1/4	933	1/4		1/4		1/4		1/4	
1/2	74,050	1/2	58,981	1/2	43,912	1/2	28,874	1/2	13,902	1/2	731	1/2		1/2		1/2		1/2	
3/4	73,736	3/4	58,667	3/4	43,598	3/4	28,560	3/4	13,602	3/4	530	3/4		3/4		3/4		3/4	
8	73,422	8	58,353	8	43,284	8	28,246	8	13,301	8	328	8		8		8		8	
1/4	73,108	1/4	58,039	1/4	42,970	1/4	27,932	1/4	13,005	1/4		1/4		1/4		1/4		1/4	
1/2	72,794	1/2	57,725	1/2	42,656	1/2	27,618	1/2	12,708	1/2		1/2		1/2		1/2		1/2	
3/4	72,480	3/4	57,411	3/4	42,342	3/4	27,304	3/4	12,412	3/4		3/4		3/4		3/4		3/4	
9	72,166	9	57,097	9	42,029	9	26,990	9	12,115	9		9		9		9		9	
1/4	71,852	1/4	56,783	1/4	41,715	1/4	26,676	1/4	11,822	1/4		1/4		1/4		1/4		1/4	
1/2	71,538	1/2	56,469	1/2	41,402	1/2	26,363	1/2	11,530	1/2		1/2		1/2		1/2		1/2	
3/4	71,224	3/4	56,155	3/4	41,088	3/4	26,049	3/4	11,237	3/4		3/4		3/4		3/4		3/4	
10	70,910	10	55,842	10	40,775	10	25,735	10	10,944	10		10		10		10		10	
1/4	70,596	1/4	55,528	1/4	40,461	1/4	25,421	1/4	10,655	1/4		1/4		1/4		1/4		1/4	
1/2	70,282	1/2	55,214	1/2	40,148	1/2	25,107	1/2	10,367	1/2		1/2		1/2		1/2		1/2	
3/4	69,968	3/4	54,900	3/4	39,834	3/4	24,793	3/4	10,078	3/4		3/4		3/4		3/4		3/4	
11	69,654	11	54,586	11	39,521	11	24,479	11	9,789	11		11		11		11		11	
1/4	69,341	1/4	54,272	1/4	39,208	1/4	24,165	1/4	9,504	1/4		1/4		1/4		1/4		1/4	
1/2	69,027	1/2	53,958	1/2	38,895	1/2	23,851	1/2	9,219	1/2		1/2		1/2		1/2		1/2	
3/4	68,713	3/4	53,644	3/4	38,582	3/4	23,537	3/4	8,934	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/23/2019 CL
CALCULATED: 05/09/2019 CL
PRINTED: 05/12/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 3043"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08"

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	206,326	0	191,268	0	176,180	0	161,078	0	145,975	0	130,873	0	115,771	0	100,669
1/4		1/4		1/4	206,012	1/4	190,954	1/4	175,865	1/4	160,763	1/4	145,661	1/4	130,559	1/4	115,456	1/4	100,354
1/2		1/2		1/2	205,699	1/2	190,640	1/2	175,551	1/2	160,448	1/2	145,346	1/2	130,244	1/2	115,142	1/2	100,039
3/4		3/4		3/4	205,385	3/4	190,326	3/4	175,236	3/4	160,134	3/4	145,032	3/4	129,929	3/4	114,827	3/4	99,725
1		1		1	205,071	1	190,013	1	174,921	1	159,819	1	144,717	1	129,615	1	114,512	1	99,410
1/4		1/4		1/4	204,757	1/4	189,699	1/4	174,607	1/4	159,505	1/4	144,402	1/4	129,300	1/4	114,198	1/4	99,096
1/2		1/2		1/2	204,444	1/2	189,385	1/2	174,292	1/2	159,190	1/2	144,088	1/2	128,985	1/2	113,883	1/2	98,781
3/4		3/4		3/4	204,130	3/4	189,072	3/4	173,978	3/4	158,875	3/4	143,773	3/4	128,671	3/4	113,569	3/4	98,466
2		2		2	203,816	2	188,758	2	173,663	2	158,561	2	143,458	2	128,356	2	113,254	2	98,152
1/4		1/4		1/4	203,503	1/4	188,444	1/4	173,348	1/4	158,246	1/4	143,144	1/4	128,042	1/4	112,939	1/4	97,837
1/2		1/2		1/2	203,189	1/2	188,130	1/2	173,034	1/2	157,931	1/2	142,829	1/2	127,727	1/2	112,625	1/2	97,522
3/4		3/4		3/4	202,875	3/4	187,817	3/4	172,719	3/4	157,617	3/4	142,515	3/4	127,412	3/4	112,310	3/4	97,208
3		3		3	202,561	3	187,503	3	172,404	3	157,302	3	142,200	3	127,098	3	111,995	3	96,893
1/4		1/4		1/4	202,248	1/4	187,189	1/4	172,090	1/4	156,988	1/4	141,885	1/4	126,783	1/4	111,681	1/4	96,579
1/2		1/2		1/2	201,934	1/2	186,876	1/2	171,775	1/2	156,673	1/2	141,571	1/2	126,468	1/2	111,366	1/2	96,264
3/4		3/4		3/4	201,620	3/4	186,562	3/4	171,460	3/4	156,358	3/4	141,256	3/4	126,154	3/4	111,052	3/4	95,949
4		4		4	201,307	4	186,248	4	171,146	4	156,044	4	140,941	4	125,839	4	110,737	4	95,635
1/4		1/4		1/4	200,993	1/4	185,933	1/4	170,831	1/4	155,729	1/4	140,627	1/4	125,525	1/4	110,422	1/4	95,320
1/2		1/2		1/2	200,679	1/2	185,619	1/2	170,517	1/2	155,414	1/2	140,312	1/2	125,210	1/2	110,108	1/2	95,005
3/4		3/4		3/4	214,239	3/4	200,365	3/4	185,304	3/4	170,202	3/4	155,100	3/4	139,997	3/4	124,895	3/4	94,691
5		5		5	214,089	5	200,052	5	184,990	5	169,887	5	154,785	5	139,683	5	124,581	5	94,376
1/4		1/4		1/4	213,899	1/4	199,738	1/4	184,675	1/4	169,573	1/4	154,470	1/4	139,368	1/4	124,266	1/4	94,062
1/2		1/2		1/2	213,710	1/2	199,424	1/2	184,360	1/2	169,258	1/2	154,156	1/2	139,054	1/2	123,951	1/2	93,747
3/4		3/4		3/4	213,520	3/4	199,110	3/4	184,046	3/4	168,943	3/4	153,841	3/4	138,739	3/4	123,637	3/4	93,432
6		6		6	213,331	6	198,797	6	183,731	6	168,629	6	153,527	6	138,424	6	123,322	6	93,118
1/4		1/4		1/4	213,102	1/4	198,483	1/4	183,416	1/4	168,314	1/4	153,212	1/4	138,110	1/4	123,007	1/4	92,803
1/2		1/2		1/2	212,873	1/2	198,169	1/2	183,102	1/2	168,000	1/2	152,897	1/2	137,795	1/2	122,693	1/2	92,488
3/4		3/4		3/4	212,644	3/4	197,856	3/4	182,787	3/4	167,685	3/4	152,583	3/4	137,480	3/4	122,378	3/4	92,174
7		7		7	212,415	7	197,542	7	182,473	7	167,370	7	152,268	7	137,166	7	122,064	7	91,859
1/4		1/4		1/4	212,141	1/4	197,228	1/4	182,158	1/4	167,056	1/4	151,953	1/4	136,851	1/4	121,749	1/4	91,544
1/2		1/2		1/2	211,867	1/2	196,914	1/2	181,843	1/2	166,741	1/2	151,639	1/2	136,537	1/2	121,434	1/2	91,230
3/4		3/4		3/4	211,592	3/4	196,601	3/4	181,529	3/4	166,426	3/4	151,324	3/4	136,222	3/4	121,120	3/4	90,915
8		8		8	211,318	8	196,287	8	181,214	8	166,112	8	151,010	8	135,907	8	120,805	8	90,601
1/4		1/4		1/4	211,010	1/4	195,973	1/4	180,899	1/4	165,797	1/4	150,695	1/4	135,593	1/4	120,490	1/4	90,286
1/2		1/2		1/2	210,702	1/2	195,660	1/2	180,585	1/2	165,483	1/2	150,380	1/2	135,278	1/2	120,176	1/2	89,971
3/4		3/4		3/4	210,394	3/4	195,346	3/4	180,270	3/4	165,168	3/4	150,066	3/4	134,963	3/4	119,861	3/4	89,657
9		9		9	210,087	9	195,032	9	179,955	9	164,853	9	149,751	9	134,649	9	119,547	9	89,342
1/4		1/4		1/4	209,774	1/4	194,718	1/4	179,641	1/4	164,539	1/4	149,436	1/4	134,334	1/4	119,232	1/4	89,027
1/2		1/2		1/2	209,461	1/2	194,405	1/2	179,326	1/2	164,224	1/2	149,122	1/2	134,020	1/2	118,917	1/2	88,713
3/4		3/4		3/4	209,148	3/4	194,091	3/4	179,012	3/4	163,909	3/4	148,807	3/4	133,705	3/4	118,603	3/4	88,398
10		10		10	208,835	10	193,777	10	178,697	10	163,595	10	148,492	10	133,390	10	118,288	10	88,084
1/4		1/4		1/4	208,521	1/4	193,464	1/4	178,382	1/4	163,280	1/4	148,178	1/4	133,076	1/4	117,973	1/4	87,769
1/2		1/2		1/2	208,208	1/2	193,150	1/2	178,068	1/2	162,965	1/2	147,863	1/2	132,761	1/2	117,659	1/2	87,454
3/4		3/4		3/4	207,894	3/4	192,836	3/4	177,753	3/4	162,651	3/4	147,549	3/4	132,446	3/4	117,344	3/4	87,140
11		11		11	207,581	11	192,522	11	177,438	11	162,336	11	147,234	11	132,132	11	117,030	11	86,825
1/4		1/4		1/4	207,267	1/4	192,209	1/4	177,124	1/4	162,022	1/4	146,919	1/4	131,817	1/4	116,715	1/4	86,510
1/2		1/2		1/2	206,953	1/2	191,895	1/2	176,809	1/2	161,707	1/2	146,605	1/2	131,502	1/2	116,400	1/2	86,196
3/4		3/4		3/4	206,640	3/4	191,581	3/4	176,495	3/4	161,392	3/4	146,290	3/4	131,188	3/4	116,086	3/4	85,881

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 TOP LIP OF 2" MMC VALVE
GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "HSM 3043"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08"

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	85,567	0	70,464	0	55,362	0	40,511	0	25,780	0	10,679	0		0		0		0	
1/4	85,252	1/4	70,150	1/4	55,047	1/4	40,210	1/4	25,466	1/4	10,364	1/4		1/4		1/4		1/4	
1/2	84,937	1/2	69,835	1/2	54,733	1/2	39,909	1/2	25,151	1/2	10,049	1/2		1/2		1/2		1/2	
3/4	84,623	3/4	69,520	3/4	54,418	3/4	39,607	3/4	24,837	3/4	9,735	3/4		3/4		3/4		3/4	
1	84,308	1	69,206	1	54,104	1	39,306	1	24,522	1	9,420	1		1		1		1	
1/4	83,993	1/4	68,891	1/4	53,789	1/4	39,004	1/4	24,207	1/4	9,106	1/4		1/4		1/4		1/4	
1/2	83,679	1/2	68,577	1/2	53,474	1/2	38,703	1/2	23,893	1/2	8,791	1/2		1/2		1/2		1/2	
3/4	83,364	3/4	68,262	3/4	53,160	3/4	38,402	3/4	23,578	3/4	8,476	3/4		3/4		3/4		3/4	
2	83,049	2	67,947	2	52,845	2	38,100	2	23,263	2	8,162	2		2		2		2	
1/4	82,735	1/4	67,633	1/4	52,530	1/4	37,799	1/4	22,949	1/4	7,847	1/4		1/4		1/4		1/4	
1/2	82,420	1/2	67,318	1/2	52,216	1/2	37,498	1/2	22,634	1/2	7,533	1/2		1/2		1/2		1/2	
3/4	82,106	3/4	67,003	3/4	51,901	3/4	37,196	3/4	22,320	3/4	7,218	3/4		3/4		3/4		3/4	
3	81,791	3	66,689	3	51,586	3	36,895	3	22,005	3	6,904	3		3		3		3	
1/4	81,476	1/4	66,374	1/4	51,272	1/4	36,593	1/4	21,690	1/4	6,590	1/4		1/4		1/4		1/4	
1/2	81,162	1/2	66,059	1/2	50,957	1/2	36,292	1/2	21,376	1/2	6,276	1/2		1/2		1/2		1/2	
3/4	80,847	3/4	65,745	3/4	50,643	3/4	35,991	3/4	21,061	3/4	5,962	3/4		3/4		3/4		3/4	
4	80,532	4	65,430	4	50,328	4	35,689	4	20,746	4	5,648	4		4		4		4	
1/4	80,218	1/4	65,116	1/4	50,013	1/4	35,388	1/4	20,432	1/4	5,335	1/4		1/4		1/4		1/4	
1/2	79,903	1/2	64,801	1/2	49,699	1/2	35,087	1/2	20,117	1/2	5,021	1/2		1/2		1/2		1/2	
3/4	79,589	3/4	64,486	3/4	49,384	3/4	34,785	3/4	19,803	3/4	4,708	3/4		3/4		3/4		3/4	
5	79,274	5	64,172	5	49,069	5	34,484	5	19,488	5	4,394	5		5		5		5	
1/4	78,959	1/4	63,857	1/4	48,755	1/4	34,182	1/4	19,173	1/4	4,082	1/4		1/4		1/4		1/4	
1/2	78,645	1/2	63,542	1/2	48,440	1/2	33,881	1/2	18,859	1/2	3,770	1/2		1/2		1/2		1/2	
3/4	78,330	3/4	63,228	3/4	48,126	3/4	33,580	3/4	18,544	3/4	3,457	3/4		3/4		3/4		3/4	
6	78,015	6	62,913	6	47,811	6	33,278	6	18,229	6	3,145	6		6		6		6	
1/4	77,701	1/4	62,599	1/4	47,496	1/4	32,977	1/4	17,915	1/4	2,834	1/4		1/4		1/4		1/4	
1/2	77,386	1/2	62,284	1/2	47,182	1/2	32,676	1/2	17,600	1/2	2,523	1/2		1/2		1/2		1/2	
3/4	77,072	3/4	61,969	3/4	46,867	3/4	32,374	3/4	17,286	3/4	2,213	3/4		3/4		3/4		3/4	
7	76,757	7	61,655	7	46,552	7	32,073	7	16,971	7	1,902	7		7		7		7	
1/4	76,442	1/4	61,340	1/4	46,250	1/4	31,758	1/4	16,656	1/4	1,640	1/4		1/4		1/4		1/4	
1/2	76,128	1/2	61,025	1/2	45,947	1/2	31,444	1/2	16,342	1/2	1,378	1/2		1/2		1/2		1/2	
3/4	75,813	3/4	60,711	3/4	45,644	3/4	31,129	3/4	16,027	3/4	1,116	3/4		3/4		3/4		3/4	
8	75,498	8	60,396	8	45,341	8	30,814	8	15,713	8	854	8		8		8		8	
1/4	75,184	1/4	60,081	1/4	45,039	1/4	30,500	1/4	15,398	1/4		1/4		1/4		1/4		1/4	
1/2	74,869	1/2	59,767	1/2	44,736	1/2	30,185	1/2	15,083	1/2		1/2		1/2		1/2		1/2	
3/4	74,554	3/4	59,452	3/4	44,433	3/4	29,870	3/4	14,769	3/4		3/4		3/4		3/4		3/4	
9	74,240	9	59,138	9	44,131	9	29,566	9	14,454	9		9		9		9		9	
1/4	73,925	1/4	58,823	1/4	43,829	1/4	29,241	1/4	14,139	1/4		1/4		1/4		1/4		1/4	
1/2	73,611	1/2	58,508	1/2	43,527	1/2	28,927	1/2	13,825	1/2		1/2		1/2		1/2		1/2	
3/4	73,296	3/4	58,194	3/4	43,225	3/4	28,612	3/4	13,510	3/4		3/4		3/4		3/4		3/4	
10	72,981	10	57,879	10	42,924	10	28,297	10	13,196	10		10		10		10		10	
1/4	72,667	1/4	57,564	1/4	42,622	1/4	27,983	1/4	12,881	1/4		1/4		1/4		1/4		1/4	
1/2	72,352	1/2	57,250	1/2	42,320	1/2	27,668	1/2	12,566	1/2		1/2		1/2		1/2		1/2	
3/4	72,037	3/4	56,935	3/4	42,019	3/4	27,353	3/4	12,252	3/4		3/4		3/4		3/4		3/4	
11	71,723	11	56,621	11	41,717	11	27,039	11	11,937	11		11		11		11		11	
1/4	71,408	1/4	56,306	1/4	41,415	1/4	26,724	1/4	11,622	1/4		1/4		1/4		1/4		1/4	
1/2	71,094	1/2	55,991	1/2	41,114	1/2	26,410	1/2	11,308	1/2		1/2		1/2		1/2		1/2	
3/4	70,779	3/4	55,677	3/4	40,813	3/4	26,095	3/4	10,993	3/4		3/4		3/4		3/4		3/4	

STRAPPED: 04/23/2019 CL
CALCULATED: 05/09/2019 CL
PRINTED: 05/12/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "HSM 3043"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08"

CAPACITIES GIVEN IN WHOLE GALLONS																			
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	207,194	0	192,116	0	177,008	0	161,886	0	146,763	0	131,641	0	116,519	0	101,396
1/4		1/4		1/4	206,880	1/4	191,802	1/4	176,693	1/4	161,571	1/4	146,448	1/4	131,326	1/4	116,204	1/4	101,081
1/2		1/2		1/2	206,566	1/2	191,488	1/2	176,378	1/2	161,256	1/2	146,133	1/2	131,011	1/2	115,889	1/2	100,766
3/4		3/4		3/4	206,252	3/4	191,173	3/4	176,063	3/4	160,941	3/4	145,818	3/4	130,696	3/4	115,573	3/4	100,451
1		1		1	205,938	1	190,859	1	175,748	1	160,625	1	145,503	1	130,381	1	115,258	1	100,136
1/4		1/4		1/4	205,624	1/4	190,545	1/4	175,433	1/4	160,310	1/4	145,188	1/4	130,066	1/4	114,943	1/4	99,821
1/2		1/2		1/2	205,310	1/2	190,231	1/2	175,118	1/2	159,995	1/2	144,873	1/2	129,751	1/2	114,628	1/2	99,506
3/4		3/4		3/4	204,995	3/4	189,917	3/4	174,803	3/4	159,680	3/4	144,558	3/4	129,436	3/4	114,313	3/4	99,191
2		2		2	204,681	2	189,603	2	174,488	2	159,365	2	144,243	2	129,121	2	113,998	2	98,876
1/4		1/4		1/4	204,367	1/4	189,289	1/4	174,173	1/4	159,050	1/4	143,928	1/4	128,806	1/4	113,683	1/4	98,561
1/2		1/2		1/2	204,053	1/2	188,974	1/2	173,858	1/2	158,735	1/2	143,613	1/2	128,490	1/2	113,368	1/2	98,246
3/4		3/4		3/4	203,739	3/4	188,660	3/4	173,542	3/4	158,420	3/4	143,298	3/4	128,175	3/4	113,053	3/4	97,931
3		3		3	203,425	3	188,346	3	173,227	3	158,105	3	142,983	3	127,860	3	112,738	3	97,616
1/4		1/4		1/4	203,111	1/4	188,032	1/4	172,912	1/4	157,790	1/4	142,668	1/4	127,545	1/4	112,423	1/4	97,301
1/2		1/2		1/2	202,796	1/2	187,718	1/2	172,597	1/2	157,475	1/2	142,353	1/2	127,230	1/2	112,108	1/2	96,986
3/4		3/4		3/4	202,482	3/4	187,404	3/4	172,282	3/4	157,160	3/4	142,038	3/4	126,915	3/4	111,793	3/4	96,671
4		4		4	202,168	4	187,090	4	171,967	4	156,845	4	141,723	4	126,600	4	111,478	4	96,355
1/4		1/4		1/4	201,854	1/4	186,775	1/4	171,652	1/4	156,530	1/4	141,407	1/4	126,285	1/4	111,163	1/4	96,040
1/2		1/2		1/2	201,540	1/2	186,459	1/2	171,337	1/2	156,215	1/2	141,092	1/2	125,970	1/2	110,848	1/2	95,725
3/4		3/4	215,118	3/4	201,226	3/4	186,144	3/4	171,022	3/4	155,900	3/4	140,777	3/4	125,655	3/4	110,533	3/4	95,410
5		5	214,968	5	200,912	5	185,829	5	170,707	5	155,585	5	140,462	5	125,340	5	110,218	5	95,095
1/4		1/4	214,778	1/4	200,597	1/4	185,514	1/4	170,392	1/4	155,270	1/4	140,147	1/4	125,025	1/4	109,903	1/4	94,780
1/2		1/2	214,588	1/2	200,283	1/2	185,199	1/2	170,077	1/2	154,955	1/2	139,832	1/2	124,710	1/2	109,588	1/2	94,465
3/4		3/4	214,398	3/4	199,969	3/4	184,884	3/4	169,762	3/4	154,640	3/4	139,517	3/4	124,395	3/4	109,272	3/4	94,150
6		6	214,208	6	199,655	6	184,569	6	169,447	6	154,324	6	139,202	6	124,080	6	108,957	6	93,835
1/4		1/4	213,979	1/4	199,341	1/4	184,254	1/4	169,132	1/4	154,009	1/4	138,887	1/4	123,765	1/4	108,642	1/4	93,520
1/2		1/2	213,750	1/2	199,027	1/2	183,939	1/2	168,817	1/2	153,694	1/2	138,572	1/2	123,450	1/2	108,327	1/2	93,205
3/4		3/4	213,521	3/4	198,713	3/4	183,624	3/4	168,502	3/4	153,379	3/4	138,257	3/4	123,135	3/4	108,012	3/4	92,890
7		7	213,292	7	198,399	7	183,309	7	168,187	7	153,064	7	137,942	7	122,820	7	107,697	7	92,575
1/4		1/4	213,017	1/4	198,084	1/4	182,994	1/4	167,872	1/4	152,749	1/4	137,627	1/4	122,505	1/4	107,382	1/4	92,260
1/2		1/2	212,742	1/2	197,770	1/2	182,679	1/2	167,557	1/2	152,434	1/2	137,312	1/2	122,189	1/2	107,067	1/2	91,945
3/4		3/4	212,468	3/4	197,456	3/4	182,364	3/4	167,241	3/4	152,119	3/4	136,997	3/4	121,874	3/4	106,752	3/4	91,630
8		8	212,193	8	197,142	8	182,049	8	166,926	8	151,804	8	136,682	8	121,559	8	106,437	8	91,315
1/4		1/4	211,885	1/4	196,828	1/4	181,734	1/4	166,611	1/4	151,489	1/4	136,367	1/4	121,244	1/4	106,122	1/4	91,000
1/2		1/2	211,576	1/2	196,514	1/2	181,419	1/2	166,296	1/2	151,174	1/2	136,052	1/2	120,929	1/2	105,807	1/2	90,685
3/4		3/4	211,268	3/4	196,200	3/4	181,104	3/4	165,981	3/4	150,859	3/4	135,737	3/4	120,614	3/4	105,492	3/4	90,370
9		9	210,960	9	195,885	9	180,789	9	165,666	9	150,544	9	135,422	9	120,299	9	105,177	9	90,054
1/4		1/4	210,647	1/4	195,571	1/4	180,474	1/4	165,351	1/4	150,229	1/4	135,107	1/4	119,984	1/4	104,862	1/4	89,739
1/2		1/2	210,333	1/2	195,257	1/2	180,159	1/2	165,036	1/2	149,914	1/2	134,791	1/2	119,669	1/2	104,547	1/2	89,424
3/4		3/4	210,020	3/4	194,943	3/4	179,843	3/4	164,721	3/4	149,599	3/4	134,476	3/4	119,354	3/4	104,232	3/4	89,109
10		10	209,707	10	194,629	10	179,528	10	164,406	10	149,284	10	134,161	10	119,039	10	103,917	10	88,794
1/4		1/4	209,393	1/4	194,315	1/4	179,213	1/4	164,091	1/4	148,969	1/4	133,846	1/4	118,724	1/4	103,602	1/4	88,479
1/2		1/2	209,079	1/2	194,001	1/2	178,898	1/2	163,776	1/2	148,654	1/2	133,531	1/2	118,409	1/2	103,287	1/2	88,164
3/4		3/4	208,765	3/4	193,686	3/4	178,583	3/4	163,461	3/4	148,339	3/4	133,216	3/4	118,094	3/4	102,972	3/4	87,849
11		11	208,451	11	193,372	11	178,268	11	163,146	11	148,024	11	132,901	11	117,779	11	102,656	11	87,534
1/4		1/4	208,137	1/4	193,058	1/4	177,953	1/4	162,831	1/4	147,708	1/4	132,586	1/4	117,464	1/4	102,341	1/4	87,219
1/2		1/2	207,823	1/2	192,744	1/2	177,638	1/2	162,516	1/2	147,393	1/2	132,271	1/2	117,149	1/2	102,026	1/2	86,904
3/4		3/4	207,508	3/4	192,430	3/4	177,323	3/4	162,201	3/4	147,078	3/4	131,956	3/4	116,834	3/4	101,711	3/4	86,589

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 TOP LIP OF 2" MMC VALVE
GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "HSM 3043"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08"

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	86,274	0	71,152	0	56,029	0	40,914	0	25,815	0	10,693	0		0		0		0	
1/4	85,959	1/4	70,837	1/4	55,714	1/4	40,600	1/4	25,500	1/4	10,378	1/4		1/4		1/4		1/4	
1/2	85,644	1/2	70,521	1/2	55,399	1/2	40,286	1/2	25,185	1/2	10,063	1/2		1/2		1/2		1/2	
3/4	85,329	3/4	70,206	3/4	55,084	3/4	39,971	3/4	24,870	3/4	9,748	3/4		3/4		3/4		3/4	
1	85,014	1	69,891	1	54,769	1	39,657	1	24,555	1	9,433	1		1		1		1	
1/4	84,699	1/4	69,576	1/4	54,454	1/4	39,343	1/4	24,240	1/4	9,118	1/4		1/4		1/4		1/4	
1/2	84,384	1/2	69,261	1/2	54,139	1/2	39,029	1/2	23,925	1/2	8,803	1/2		1/2		1/2		1/2	
3/4	84,069	3/4	68,946	3/4	53,824	3/4	38,715	3/4	23,610	3/4	8,488	3/4		3/4		3/4		3/4	
2	83,754	2	68,631	2	53,509	2	38,400	2	23,295	2	8,173	2		2		2		2	
1/4	83,438	1/4	68,316	1/4	53,194	1/4	38,086	1/4	22,980	1/4	7,858	1/4		1/4		1/4		1/4	
1/2	83,123	1/2	68,001	1/2	52,879	1/2	37,772	1/2	22,665	1/2	7,543	1/2		1/2		1/2		1/2	
3/4	82,808	3/4	67,686	3/4	52,564	3/4	37,458	3/4	22,350	3/4	7,228	3/4		3/4		3/4		3/4	
3	82,493	3	67,371	3	52,249	3	37,143	3	22,035	3	6,914	3		3		3		3	
1/4	82,178	1/4	67,056	1/4	51,934	1/4	36,829	1/4	21,720	1/4	6,599	1/4		1/4		1/4		1/4	
1/2	81,863	1/2	66,741	1/2	51,619	1/2	36,515	1/2	21,405	1/2	6,285	1/2		1/2		1/2		1/2	
3/4	81,548	3/4	66,426	3/4	51,303	3/4	36,201	3/4	21,090	3/4	5,970	3/4		3/4		3/4		3/4	
4	81,233	4	66,111	4	50,988	4	35,887	4	20,774	4	5,656	4		4		4		4	
1/4	80,918	1/4	65,796	1/4	50,673	1/4	35,572	1/4	20,459	1/4	5,342	1/4		1/4		1/4		1/4	
1/2	80,603	1/2	65,481	1/2	50,358	1/2	35,258	1/2	20,144	1/2	5,028	1/2		1/2		1/2		1/2	
3/4	80,288	3/4	65,166	3/4	50,043	3/4	34,944	3/4	19,829	3/4	4,714	3/4		3/4		3/4		3/4	
5	79,973	5	64,851	5	49,728	5	34,630	5	19,514	5	4,401	5		5		5		5	
1/4	79,658	1/4	64,536	1/4	49,413	1/4	34,315	1/4	19,199	1/4	4,088	1/4		1/4		1/4		1/4	
1/2	79,343	1/2	64,220	1/2	49,098	1/2	34,001	1/2	18,884	1/2	3,775	1/2		1/2		1/2		1/2	
3/4	79,028	3/4	63,905	3/4	48,783	3/4	33,687	3/4	18,569	3/4	3,462	3/4		3/4		3/4		3/4	
6	78,713	6	63,590	6	48,468	6	33,373	6	18,254	6	3,149	6		6		6		6	
1/4	78,398	1/4	63,275	1/4	48,153	1/4	33,059	1/4	17,939	1/4	2,838	1/4		1/4		1/4		1/4	
1/2	78,083	1/2	62,960	1/2	47,838	1/2	32,744	1/2	17,624	1/2	2,527	1/2		1/2		1/2		1/2	
3/4	77,768	3/4	62,645	3/4	47,523	3/4	32,430	3/4	17,309	3/4	2,216	3/4		3/4		3/4		3/4	
7	77,453	7	62,330	7	47,208	7	32,116	7	16,994	7	1,905	7		7		7		7	
1/4	77,137	1/4	62,015	1/4	46,893	1/4	31,801	1/4	16,679	1/4	1,643	1/4		1/4		1/4		1/4	
1/2	76,822	1/2	61,700	1/2	46,578	1/2	31,486	1/2	16,364	1/2	1,380	1/2		1/2		1/2		1/2	
3/4	76,507	3/4	61,385	3/4	46,263	3/4	31,171	3/4	16,049	3/4	1,118	3/4		3/4		3/4		3/4	
8	76,192	8	61,070	8	45,948	8	30,856	8	15,734	8	855	8		8		8		8	
1/4	75,877	1/4	60,755	1/4	45,633	1/4	30,541	1/4	15,419	1/4		1/4		1/4		1/4		1/4	
1/2	75,562	1/2	60,440	1/2	45,318	1/2	30,226	1/2	15,104	1/2		1/2		1/2		1/2		1/2	
3/4	75,247	3/4	60,125	3/4	45,002	3/4	29,911	3/4	14,789	3/4		3/4		3/4		3/4		3/4	
9	74,932	9	59,810	9	44,687	9	29,596	9	14,474	9		9		9		9		9	
1/4	74,617	1/4	59,495	1/4	44,373	1/4	29,281	1/4	14,159	1/4		1/4		1/4		1/4		1/4	
1/2	74,302	1/2	59,180	1/2	44,058	1/2	28,966	1/2	13,844	1/2		1/2		1/2		1/2		1/2	
3/4	73,987	3/4	58,865	3/4	43,744	3/4	28,650	3/4	13,529	3/4		3/4		3/4		3/4		3/4	
10	73,672	10	58,550	10	43,429	10	28,335	10	13,214	10		10		10		10		10	
1/4	73,357	1/4	58,235	1/4	43,115	1/4	28,020	1/4	12,899	1/4		1/4		1/4		1/4		1/4	
1/2	73,042	1/2	57,919	1/2	42,800	1/2	27,705	1/2	12,583	1/2		1/2		1/2		1/2		1/2	
3/4	72,727	3/4	57,604	3/4	42,486	3/4	27,390	3/4	12,268	3/4		3/4		3/4		3/4		3/4	
11	72,412	11	57,289	11	42,171	11	27,075	11	11,953	11		11		11		11		11	
1/4	72,097	1/4	56,974	1/4	41,857	1/4	26,760	1/4	11,638	1/4		1/4		1/4		1/4		1/4	
1/2	71,782	1/2	56,659	1/2	41,543	1/2	26,445	1/2	11,323	1/2		1/2		1/2		1/2		1/2	
3/4	71,467	3/4	56,344	3/4	41,228	3/4	26,130	3/4	11,008	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/23/2019 CL
CALCULATED: 05/09/2019 CL
PRINTED: 05/12/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 3043"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-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	188,114	0	177,747	0	167,359	0	156,963	0	144,484	0	129,483	0	114,480	0	99,466
1/4		1/4		1/4	187,898	1/4	177,531	1/4	167,142	1/4	156,746	1/4	144,172	1/4	129,171	1/4	114,167	1/4	99,153
1/2		1/2		1/2	187,682	1/2	177,315	1/2	166,926	1/2	156,530	1/2	143,861	1/2	128,858	1/2	113,855	1/2	98,840
3/4		3/4		3/4	187,466	3/4	177,099	3/4	166,709	3/4	156,313	3/4	143,549	3/4	128,545	3/4	113,542	3/4	98,527
1		1		1	187,250	1	176,883	1	166,493	1	156,096	1	143,236	1	128,233	1	113,229	1	98,214
1/4		1/4		1/4	187,034	1/4	176,667	1/4	166,276	1/4	155,880	1/4	142,924	1/4	127,920	1/4	112,917	1/4	97,901
1/2		1/2		1/2	186,818	1/2	176,451	1/2	166,059	1/2	155,663	1/2	142,611	1/2	127,608	1/2	112,604	1/2	97,588
3/4		3/4		3/4	186,602	3/4	176,235	3/4	165,843	3/4	155,447	3/4	142,298	3/4	127,295	3/4	112,292	3/4	97,276
2		2		2	186,386	2	176,019	2	165,626	2	155,230	2	141,986	2	126,983	2	111,979	2	96,963
1/4		1/4		1/4	186,170	1/4	175,803	1/4	165,410	1/4	155,013	1/4	141,673	1/4	126,670	1/4	111,667	1/4	96,650
1/2		1/2		1/2	185,954	1/2	175,587	1/2	165,193	1/2	154,797	1/2	141,361	1/2	126,357	1/2	111,354	1/2	96,337
3/4		3/4		3/4	185,738	3/4	175,371	3/4	164,976	3/4	154,580	3/4	141,048	3/4	126,045	3/4	111,041	3/4	96,024
3		3		3	185,522	3	175,155	3	164,760	3	154,364	3	140,736	3	125,732	3	110,729	3	95,711
1/4		1/4		1/4	185,306	1/4	174,939	1/4	164,543	1/4	154,147	1/4	140,423	1/4	125,420	1/4	110,416	1/4	95,398
1/2		1/2		1/2	185,090	1/2	174,723	1/2	164,327	1/2	153,930	1/2	140,110	1/2	125,107	1/2	110,104	1/2	95,085
3/4		3/4		3/4	184,874	3/4	174,506	3/4	164,110	3/4	153,714	3/4	139,798	3/4	124,795	3/4	109,791	3/4	94,772
4		4		4	184,658	4	174,290	4	163,894	4	153,497	4	139,485	4	124,482	4	109,478	4	94,460
1/4		1/4		1/4	193,646	1/4	184,442	1/4	174,073	1/4	163,677	1/4	153,281	1/4	139,173	1/4	124,169	1/4	94,147
1/2		1/2		1/2	193,591	1/2	184,226	1/2	173,857	1/2	163,460	1/2	153,064	1/2	138,860	1/2	123,857	1/2	93,834
3/4		3/4		3/4	193,497	3/4	184,010	3/4	173,640	3/4	163,244	3/4	152,848	3/4	138,548	3/4	123,544	3/4	93,521
5		5		5	193,403	5	183,794	5	173,423	5	163,027	5	152,631	5	138,235	5	123,232	5	93,208
1/4		1/4		1/4	193,309	1/4	183,578	1/4	173,207	1/4	162,811	1/4	152,414	1/4	137,922	1/4	122,919	1/4	92,895
1/2		1/2		1/2	193,214	1/2	183,362	1/2	172,990	1/2	162,594	1/2	152,198	1/2	137,610	1/2	122,607	1/2	92,582
3/4		3/4		3/4	193,081	3/4	183,146	3/4	172,774	3/4	162,377	3/4	151,981	3/4	137,297	3/4	122,294	3/4	92,269
6		6		6	192,948	6	182,930	6	172,557	6	162,161	6	151,765	6	136,985	6	121,981	6	91,957
1/4		1/4		1/4	192,814	1/4	182,714	1/4	172,340	1/4	161,944	1/4	151,548	1/4	136,672	1/4	121,669	1/4	91,644
1/2		1/2		1/2	192,681	1/2	182,498	1/2	172,124	1/2	161,728	1/2	151,331	1/2	136,360	1/2	121,356	1/2	91,331
3/4		3/4		3/4	192,504	3/4	182,282	3/4	171,907	3/4	161,511	3/4	151,020	3/4	136,047	3/4	121,044	3/4	91,018
7		7		7	192,327	7	182,066	7	171,691	7	161,294	7	150,708	7	135,734	7	120,731	7	90,705
1/4		1/4		1/4	192,151	1/4	181,850	1/4	171,474	1/4	161,078	1/4	150,397	1/4	135,422	1/4	120,419	1/4	90,392
1/2		1/2		1/2	191,974	1/2	181,634	1/2	171,258	1/2	160,861	1/2	150,085	1/2	135,109	1/2	120,106	1/2	90,079
3/4		3/4		3/4	191,764	3/4	181,418	3/4	171,041	3/4	160,645	3/4	149,774	3/4	134,797	3/4	119,793	3/4	89,766
8		8		8	191,554	8	181,202	8	170,824	8	160,428	8	149,463	8	134,484	8	119,481	8	89,453
1/4		1/4		1/4	191,344	1/4	180,986	1/4	170,608	1/4	160,212	1/4	149,151	1/4	134,172	1/4	119,168	1/4	89,141
1/2		1/2		1/2	191,133	1/2	180,770	1/2	170,391	1/2	159,995	1/2	148,840	1/2	133,859	1/2	118,856	1/2	88,828
3/4		3/4		3/4	190,918	3/4	180,554	3/4	170,175	3/4	159,778	3/4	148,529	3/4	133,547	3/4	118,543	3/4	88,515
9		9		9	190,703	9	180,338	9	169,958	9	159,562	9	148,218	9	133,234	9	118,231	9	88,202
1/4		1/4		1/4	190,488	1/4	180,122	1/4	169,741	1/4	159,345	1/4	147,906	1/4	132,921	1/4	117,918	1/4	87,889
1/2		1/2		1/2	190,273	1/2	179,906	1/2	169,525	1/2	159,129	1/2	147,595	1/2	132,609	1/2	117,605	1/2	87,576
3/4		3/4		3/4	190,057	3/4	179,690	3/4	169,308	3/4	158,912	3/4	147,284	3/4	132,296	3/4	117,293	3/4	87,263
10		10		10	189,841	10	179,474	10	169,092	10	158,695	10	146,973	10	131,984	10	116,980	10	86,950
1/4		1/4		1/4	189,625	1/4	179,258	1/4	168,875	1/4	158,479	1/4	146,662	1/4	131,671	1/4	116,668	1/4	86,638
1/2		1/2		1/2	189,410	1/2	179,043	1/2	168,658	1/2	158,262	1/2	146,351	1/2	131,359	1/2	116,355	1/2	86,325
3/4		3/4		3/4	189,194	3/4	178,827	3/4	168,442	3/4	158,046	3/4	146,039	3/4	131,046	3/4	116,043	3/4	86,012
11		11		11	188,978	11	178,611	11	168,225	11	157,829	11	145,728	11	130,733	11	115,730	11	85,699
1/4		1/4		1/4	188,762	1/4	178,395	1/4	168,009	1/4	157,612	1/4	145,417	1/4	130,421	1/4	115,417	1/4	85,386
1/2		1/2		1/2	188,546	1/2	178,179	1/2	167,792	1/2	157,396	1/2	145,106	1/2	130,108	1/2	115,105	1/2	85,073
3/4		3/4		3/4	188,330	3/4	177,963	3/4	167,576	3/4	157,179	3/4	144,795	3/4	129,796	3/4	114,792	3/4	84,760

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 TOP LIP OF 2" MMC VALVE
GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "HSM 3043"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-07 1/2"

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	84,447	0	69,429	0	54,411	0	39,671	0	25,029	0	10,009	0		0		0		0	
1/4	84,134	1/4	69,116	1/4	54,098	1/4	39,372	1/4	24,716	1/4	9,696	1/4		1/4		1/4		1/4	
1/2	83,822	1/2	68,803	1/2	53,785	1/2	39,074	1/2	24,403	1/2	9,383	1/2		1/2		1/2		1/2	
3/4	83,509	3/4	68,490	3/4	53,472	3/4	38,776	3/4	24,090	3/4	9,070	3/4		3/4		3/4		3/4	
1	83,196	1	68,178	1	53,159	1	38,477	1	23,777	1	8,757	1		1		1		1	
1/4	82,883	1/4	67,865	1/4	52,846	1/4	38,179	1/4	23,464	1/4	8,444	1/4		1/4		1/4		1/4	
1/2	82,570	1/2	67,552	1/2	52,533	1/2	37,881	1/2	23,151	1/2	8,131	1/2		1/2		1/2		1/2	
3/4	82,257	3/4	67,239	3/4	52,221	3/4	37,582	3/4	22,839	3/4	7,818	3/4		3/4		3/4		3/4	
2	81,944	2	66,926	2	51,908	2	37,284	2	22,526	2	7,504	2		2		2		2	
1/4	81,631	1/4	66,613	1/4	51,595	1/4	36,986	1/4	22,213	1/4	7,191	1/4		1/4		1/4		1/4	
1/2	81,319	1/2	66,300	1/2	51,282	1/2	36,687	1/2	21,900	1/2	6,878	1/2		1/2		1/2		1/2	
3/4	81,006	3/4	65,987	3/4	50,969	3/4	36,389	3/4	21,587	3/4	6,565	3/4		3/4		3/4		3/4	
3	80,693	3	65,674	3	50,656	3	36,091	3	21,274	3	6,252	3		3		3		3	
1/4	80,380	1/4	65,362	1/4	50,343	1/4	35,792	1/4	20,961	1/4	5,939	1/4		1/4		1/4		1/4	
1/2	80,067	1/2	65,049	1/2	50,030	1/2	35,494	1/2	20,648	1/2	5,626	1/2		1/2		1/2		1/2	
3/4	79,754	3/4	64,736	3/4	49,717	3/4	35,196	3/4	20,335	3/4	5,314	3/4		3/4		3/4		3/4	
4	79,441	4	64,423	4	49,405	4	34,897	4	20,022	4	5,002	4		4		4		4	
1/4	79,128	1/4	64,110	1/4	49,092	1/4	34,599	1/4	19,709	1/4	4,690	1/4		1/4		1/4		1/4	
1/2	78,815	1/2	63,797	1/2	48,779	1/2	34,301	1/2	19,396	1/2	4,377	1/2		1/2		1/2		1/2	
3/4	78,503	3/4	63,484	3/4	48,466	3/4	34,002	3/4	19,083	3/4	4,066	3/4		3/4		3/4		3/4	
5	78,190	5	63,171	5	48,153	5	33,704	5	18,770	5	3,755	5		5		5		5	
1/4	77,877	1/4	62,859	1/4	47,840	1/4	33,406	1/4	18,458	1/4	3,444	1/4		1/4		1/4		1/4	
1/2	77,564	1/2	62,546	1/2	47,527	1/2	33,108	1/2	18,145	1/2	3,132	1/2		1/2		1/2		1/2	
3/4	77,251	3/4	62,233	3/4	47,214	3/4	32,809	3/4	17,832	3/4	2,823	3/4		3/4		3/4		3/4	
6	76,938	6	61,920	6	46,902	6	32,511	6	17,519	6	2,513	6		6		6		6	
1/4	76,625	1/4	61,607	1/4	46,589	1/4	32,213	1/4	17,206	1/4	2,204	1/4		1/4		1/4		1/4	
1/2	76,312	1/2	61,294	1/2	46,276	1/2	31,914	1/2	16,893	1/2	1,895	1/2		1/2		1/2		1/2	
3/4	76,000	3/4	60,981	3/4	45,973	3/4	31,601	3/4	16,580	3/4	1,634	3/4		3/4		3/4		3/4	
7	75,687	7	60,668	7	45,669	7	31,288	7	16,267	7	1,373	7		7		7		7	
1/4	75,374	1/4	60,355	1/4	45,366	1/4	30,975	1/4	15,954	1/4	1,112	1/4		1/4		1/4		1/4	
1/2	75,061	1/2	60,043	1/2	45,063	1/2	30,662	1/2	15,641	1/2		1/2		1/2		1/2		1/2	
3/4	74,748	3/4	59,730	3/4	44,760	3/4	30,349	3/4	15,328	3/4		3/4		3/4		3/4		3/4	
8	74,435	8	59,417	8	44,456	8	30,036	8	15,015	8		8		8		8		8	
1/4	74,122	1/4	59,104	1/4	44,153	1/4	29,723	1/4	14,702	1/4		1/4		1/4		1/4		1/4	
1/2	73,809	1/2	58,791	1/2	43,850	1/2	29,410	1/2	14,390	1/2		1/2		1/2		1/2		1/2	
3/4	73,496	3/4	58,478	3/4	43,551	3/4	29,098	3/4	14,077	3/4		3/4		3/4		3/4		3/4	
9	73,184	9	58,165	9	43,252	9	28,785	9	13,764	9		9		9		9		9	
1/4	72,871	1/4	57,852	1/4	42,954	1/4	28,472	1/4	13,451	1/4		1/4		1/4		1/4		1/4	
1/2	72,558	1/2	57,540	1/2	42,655	1/2	28,159	1/2	13,138	1/2		1/2		1/2		1/2		1/2	
3/4	72,245	3/4	57,227	3/4	42,356	3/4	27,846	3/4	12,825	3/4		3/4		3/4		3/4		3/4	
10	71,932	10	56,914	10	42,058	10	27,533	10	12,512	10		10		10		10		10	
1/4	71,619	1/4	56,601	1/4	41,759	1/4	27,220	1/4	12,199	1/4		1/4		1/4		1/4		1/4	
1/2	71,306	1/2	56,288	1/2	41,460	1/2	26,907	1/2	11,886	1/2		1/2		1/2		1/2		1/2	
3/4	70,993	3/4	55,975	3/4	41,162	3/4	26,594	3/4	11,573	3/4		3/4		3/4		3/4		3/4	
11	70,681	11	55,662	11	40,864	11	26,281	11	11,260	11		11		11		11		11	
1/4	70,368	1/4	55,349	1/4	40,566	1/4	25,968	1/4	10,947	1/4		1/4		1/4		1/4		1/4	
1/2	70,055	1/2	55,036	1/2	40,267	1/2	25,655	1/2	10,634	1/2		1/2		1/2		1/2		1/2	
3/4	69,742	3/4	54,724	3/4	39,969	3/4	25,342	3/4	10,321	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/23/2019 CL
CALCULATED: 05/09/2019 CL
PRINTED: 05/12/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "HSM 3043"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-07 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	189,171	0	178,807	0	168,423	0	158,030	0	145,647	0	130,624	0	115,595	0	100,556
1/4		1/4		1/4	188,955	1/4	178,591	1/4	168,207	1/4	157,813	1/4	145,336	1/4	130,311	1/4	115,282	1/4	100,243
1/2		1/2		1/2	188,739	1/2	178,375	1/2	167,990	1/2	157,597	1/2	145,025	1/2	129,998	1/2	114,969	1/2	99,929
3/4		3/4		3/4	188,524	3/4	178,159	3/4	167,774	3/4	157,380	3/4	144,714	3/4	129,685	3/4	114,656	3/4	99,616
1		1		1	188,308	1	177,944	1	167,557	1	157,164	1	144,401	1	129,372	1	114,343	1	99,303
1/4		1/4		1/4	188,092	1/4	177,728	1/4	167,340	1/4	156,947	1/4	144,088	1/4	129,059	1/4	114,030	1/4	98,989
1/2		1/2		1/2	187,876	1/2	177,512	1/2	167,124	1/2	156,731	1/2	143,775	1/2	128,746	1/2	113,717	1/2	98,676
3/4		3/4		3/4	187,660	3/4	177,296	3/4	166,907	3/4	156,514	3/4	143,461	3/4	128,433	3/4	113,404	3/4	98,362
2		2		2	187,444	2	177,080	2	166,691	2	156,298	2	143,148	2	128,119	2	113,091	2	98,049
1/4		1/4		1/4	187,228	1/4	176,864	1/4	166,474	1/4	156,081	1/4	142,835	1/4	127,806	1/4	112,777	1/4	97,736
1/2		1/2		1/2	187,012	1/2	176,648	1/2	166,258	1/2	155,865	1/2	142,522	1/2	127,493	1/2	112,464	1/2	97,422
3/4		3/4		3/4	186,796	3/4	176,432	3/4	166,041	3/4	155,648	3/4	142,209	3/4	127,180	3/4	112,151	3/4	97,109
3		3		3	186,580	3	176,216	3	165,825	3	155,432	3	141,896	3	126,867	3	111,838	3	96,795
1/4		1/4		1/4	186,364	1/4	176,000	1/4	165,608	1/4	155,215	1/4	141,583	1/4	126,554	1/4	111,525	1/4	96,482
1/2		1/2		1/2	186,148	1/2	175,784	1/2	165,392	1/2	154,998	1/2	141,270	1/2	126,241	1/2	111,212	1/2	96,168
3/4		3/4		3/4	185,932	3/4	175,568	3/4	165,175	3/4	154,782	3/4	140,957	3/4	125,928	3/4	110,899	3/4	95,855
4		4		4	185,717	4	175,352	4	164,959	4	154,565	4	140,644	4	125,615	4	110,585	4	95,542
1/4		1/4		1/4	185,501	1/4	175,135	1/4	164,742	1/4	154,349	1/4	140,330	1/4	125,302	1/4	110,272	1/4	95,228
1/2		1/2		1/2	194,486	1/2	185,285	1/2	174,919	1/2	164,526	1/2	154,132	1/2	140,017	1/2	124,988	1/2	94,915
3/4		3/4		3/4	194,431	3/4	185,069	3/4	174,702	3/4	164,309	3/4	153,916	3/4	139,704	3/4	124,675	3/4	94,601
5		5		5	194,337	5	184,853	5	174,486	5	164,093	5	153,699	5	139,391	5	124,362	5	94,288
1/4		1/4		1/4	194,243	1/4	184,637	1/4	174,269	1/4	163,876	1/4	153,483	1/4	139,078	1/4	124,049	1/4	93,975
1/2		1/2		1/2	194,149	1/2	184,421	1/2	174,053	1/2	163,660	1/2	153,266	1/2	138,765	1/2	123,736	1/2	93,661
3/4		3/4		3/4	194,055	3/4	184,205	3/4	173,836	3/4	163,443	3/4	153,050	3/4	138,452	3/4	123,423	3/4	93,348
6		6		6	193,921	6	183,989	6	173,620	6	163,226	6	152,833	6	138,139	6	123,110	6	93,034
1/4		1/4		1/4	193,788	1/4	183,773	1/4	173,403	1/4	163,010	1/4	152,617	1/4	137,826	1/4	122,797	1/4	92,721
1/2		1/2		1/2	193,655	1/2	183,557	1/2	173,187	1/2	162,793	1/2	152,400	1/2	137,513	1/2	122,484	1/2	92,407
3/4		3/4		3/4	193,521	3/4	183,341	3/4	172,970	3/4	162,577	3/4	152,184	3/4	137,199	3/4	122,171	3/4	92,094
7		7		7	193,345	7	183,126	7	172,754	7	162,360	7	151,872	7	136,886	7	121,857	7	91,781
1/4		1/4		1/4	193,168	1/4	182,910	1/4	172,537	1/4	162,144	1/4	151,561	1/4	136,573	1/4	121,544	1/4	91,467
1/2		1/2		1/2	192,991	1/2	182,694	1/2	172,321	1/2	161,927	1/2	151,249	1/2	136,260	1/2	121,231	1/2	91,154
3/4		3/4		3/4	192,814	3/4	182,478	3/4	172,104	3/4	161,711	3/4	150,938	3/4	135,947	3/4	120,918	3/4	90,840
8		8		8	192,604	8	182,262	8	171,888	8	161,494	8	150,626	8	135,634	8	120,605	8	90,527
1/4		1/4		1/4	192,394	1/4	182,046	1/4	171,671	1/4	161,278	1/4	150,315	1/4	135,321	1/4	120,292	1/4	90,214
1/2		1/2		1/2	192,184	1/2	181,830	1/2	171,454	1/2	161,061	1/2	150,004	1/2	135,008	1/2	119,979	1/2	89,900
3/4		3/4		3/4	191,974	3/4	181,614	3/4	171,238	3/4	160,845	3/4	149,693	3/4	134,695	3/4	119,666	3/4	89,587
9		9		9	191,759	9	181,398	9	171,021	9	160,628	9	149,382	9	134,381	9	119,353	9	89,273
1/4		1/4		1/4	191,544	1/4	181,182	1/4	170,805	1/4	160,412	1/4	149,071	1/4	134,068	1/4	119,039	1/4	88,960
1/2		1/2		1/2	191,329	1/2	180,966	1/2	170,588	1/2	160,195	1/2	148,759	1/2	133,755	1/2	118,726	1/2	88,647
3/4		3/4		3/4	191,114	3/4	180,750	3/4	170,372	3/4	159,979	3/4	148,448	3/4	133,442	3/4	118,413	3/4	88,333
10		10		10	190,898	10	180,535	10	170,155	10	159,762	10	148,137	10	133,129	10	118,100	10	88,020
1/4		1/4		1/4	190,682	1/4	180,319	1/4	169,939	1/4	159,546	1/4	147,826	1/4	132,816	1/4	117,787	1/4	87,706
1/2		1/2		1/2	190,467	1/2	180,103	1/2	169,722	1/2	159,329	1/2	147,515	1/2	132,503	1/2	117,474	1/2	87,393
3/4		3/4		3/4	190,251	3/4	179,887	3/4	169,506	3/4	159,112	3/4	147,203	3/4	132,190	3/4	117,161	3/4	87,079
11		11		11	190,035	11	179,671	11	169,289	11	158,896	11	146,892	11	131,877	11	116,848	11	86,766
1/4		1/4		1/4	189,819	1/4	179,455	1/4	169,073	1/4	158,679	1/4	146,581	1/4	131,564	1/4	116,535	1/4	86,453
1/2		1/2		1/2	189,603	1/2	179,239	1/2	168,856	1/2	158,463	1/2	146,270	1/2	131,250	1/2	116,222	1/2	86,139
3/4		3/4		3/4	189,387	3/4	179,023	3/4	168,640	3/4	158,246	3/4	145,959	3/4	130,937	3/4	115,908	3/4	85,826

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" MMC VALVE
GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "HSM 3043"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-07 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	85,512	0	70,469	0	55,425	0	40,389	0	25,368	0	10,325	0		0		0		0	
1/4	85,199	1/4	70,155	1/4	55,111	1/4	40,077	1/4	25,054	1/4	10,011	1/4		1/4		1/4		1/4	
1/2	84,886	1/2	69,842	1/2	54,798	1/2	39,764	1/2	24,741	1/2	9,698	1/2		1/2		1/2		1/2	
3/4	84,572	3/4	69,528	3/4	54,485	3/4	39,451	3/4	24,428	3/4	9,384	3/4		3/4		3/4		3/4	
1	84,259	1	69,215	1	54,171	1	39,139	1	24,114	1	9,071	1		1		1		1	
1/4	83,945	1/4	68,902	1/4	53,858	1/4	38,826	1/4	23,801	1/4	8,758	1/4		1/4		1/4		1/4	
1/2	83,632	1/2	68,588	1/2	53,544	1/2	38,514	1/2	23,487	1/2	8,444	1/2		1/2		1/2		1/2	
3/4	83,319	3/4	68,275	3/4	53,231	3/4	38,201	3/4	23,174	3/4	8,131	3/4		3/4		3/4		3/4	
2	83,005	2	67,961	2	52,918	2	37,888	2	22,861	2	7,818	2		2		2		2	
1/4	82,692	1/4	67,648	1/4	52,604	1/4	37,576	1/4	22,547	1/4	7,504	1/4		1/4		1/4		1/4	
1/2	82,378	1/2	67,334	1/2	52,291	1/2	37,263	1/2	22,234	1/2	7,191	1/2		1/2		1/2		1/2	
3/4	82,065	3/4	67,021	3/4	51,977	3/4	36,951	3/4	21,920	3/4	6,878	3/4		3/4		3/4		3/4	
3	81,751	3	66,708	3	51,664	3	36,638	3	21,607	3	6,565	3		3		3		3	
1/4	81,438	1/4	66,394	1/4	51,350	1/4	36,326	1/4	21,294	1/4	6,252	1/4		1/4		1/4		1/4	
1/2	81,125	1/2	66,081	1/2	51,037	1/2	36,013	1/2	20,980	1/2	5,940	1/2		1/2		1/2		1/2	
3/4	80,811	3/4	65,767	3/4	50,724	3/4	35,700	3/4	20,667	3/4	5,627	3/4		3/4		3/4		3/4	
4	80,498	4	65,454	4	50,410	4	35,388	4	20,353	4	5,315	4		4		4		4	
1/4	80,184	1/4	65,141	1/4	50,097	1/4	35,075	1/4	20,040	1/4	5,002	1/4		1/4		1/4		1/4	
1/2	79,871	1/2	64,827	1/2	49,783	1/2	34,763	1/2	19,727	1/2	4,690	1/2		1/2		1/2		1/2	
3/4	79,558	3/4	64,514	3/4	49,470	3/4	34,450	3/4	19,413	3/4	4,378	3/4		3/4		3/4		3/4	
5	79,244	5	64,200	5	49,157	5	34,137	5	19,100	5	4,067	5		5		5		5	
1/4	78,931	1/4	63,887	1/4	48,843	1/4	33,825	1/4	18,786	1/4	3,756	1/4		1/4		1/4		1/4	
1/2	78,617	1/2	63,574	1/2	48,530	1/2	33,512	1/2	18,473	1/2	3,444	1/2		1/2		1/2		1/2	
3/4	78,304	3/4	63,260	3/4	48,216	3/4	33,200	3/4	18,160	3/4	3,133	3/4		3/4		3/4		3/4	
6	77,991	6	62,947	6	47,903	6	32,887	6	17,846	6	2,824	6		6		6		6	
1/4	77,677	1/4	62,633	1/4	47,590	1/4	32,575	1/4	17,533	1/4	2,514	1/4		1/4		1/4		1/4	
1/2	77,364	1/2	62,320	1/2	47,276	1/2	32,262	1/2	17,219	1/2	2,205	1/2		1/2		1/2		1/2	
3/4	77,050	3/4	62,006	3/4	46,963	3/4	31,949	3/4	16,906	3/4	1,895	3/4		3/4		3/4		3/4	
7	76,737	7	61,693	7	46,649	7	31,636	7	16,593	7	1,634	7		7		7		7	
1/4	76,423	1/4	61,380	1/4	46,336	1/4	31,323	1/4	16,279	1/4	1,373	1/4		1/4		1/4		1/4	
1/2	76,110	1/2	61,066	1/2	46,022	1/2	31,009	1/2	15,966	1/2	1,113	1/2		1/2		1/2		1/2	
3/4	75,797	3/4	60,753	3/4	45,709	3/4	30,696	3/4	15,652	3/4	851	3/4		3/4		3/4		3/4	
8	75,483	8	60,439	8	45,396	8	30,382	8	15,339	8		8		8		8		8	
1/4	75,170	1/4	60,126	1/4	45,082	1/4	30,069	1/4	15,026	1/4		1/4		1/4		1/4		1/4	
1/2	74,856	1/2	59,813	1/2	44,769	1/2	29,756	1/2	14,712	1/2		1/2		1/2		1/2		1/2	
3/4	74,543	3/4	59,499	3/4	44,455	3/4	29,442	3/4	14,399	3/4		3/4		3/4		3/4		3/4	
9	74,230	9	59,186	9	44,142	9	29,129	9	14,085	9		9		9		9		9	
1/4	73,916	1/4	58,872	1/4	43,830	1/4	28,815	1/4	13,772	1/4		1/4		1/4		1/4		1/4	
1/2	73,603	1/2	58,559	1/2	43,517	1/2	28,502	1/2	13,459	1/2		1/2		1/2		1/2		1/2	
3/4	73,289	3/4	58,246	3/4	43,204	3/4	28,189	3/4	13,145	3/4		3/4		3/4		3/4		3/4	
10	72,976	10	57,932	10	42,891	10	27,875	10	12,832	10		10		10		10		10	
1/4	72,663	1/4	57,619	1/4	42,578	1/4	27,562	1/4	12,518	1/4		1/4		1/4		1/4		1/4	
1/2	72,349	1/2	57,305	1/2	42,265	1/2	27,248	1/2	12,205	1/2		1/2		1/2		1/2		1/2	
3/4	72,036	3/4	56,992	3/4	41,952	3/4	26,935	3/4	11,892	3/4		3/4		3/4		3/4		3/4	
11	71,722	11	56,678	11	41,639	11	26,621	11	11,578	11		11		11		11		11	
1/4	71,409	1/4	56,365	1/4	41,327	1/4	26,308	1/4	11,265	1/4		1/4		1/4		1/4		1/4	
1/2	71,095	1/2	56,052	1/2	41,014	1/2	25,995	1/2	10,951	1/2		1/2		1/2		1/2		1/2	
3/4	70,782	3/4	55,738	3/4	40,702	3/4	25,681	3/4	10,638	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/23/2019 CL
CALCULATED: 05/09/2019 CL
PRINTED: 05/12/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "HSM 3043"

PORT SLOP ULLAGE TABLE

GAUGE HEIGHT 5'-10 1/2"

CAPACITIES GIVEN IN WHOLE GALLONS

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	4,506	0	3,349	0	2,193	0	1,036	0		0		0		0	
1/4		1/4		1/4	4,482	1/4	3,325	1/4	2,169	1/4	1,012	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,457	1/2	3,301	1/2	2,144	1/2	988	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,433	3/4	3,277	3/4	2,120	3/4	964	3/4		3/4		3/4		3/4	
1		1		1	4,409	1	3,253	1	2,096	1	940	1		1		1		1	
1/4		1/4		1/4	4,385	1/4	3,229	1/4	2,072	1/4	916	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,361	1/2	3,205	1/2	2,048	1/2	892	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,337	3/4	3,180	3/4	2,024	3/4	868	3/4		3/4		3/4		3/4	
2		2		2	4,313	2	3,156	2	2,000	2	843	2		2		2		2	
1/4		1/4		1/4	4,289	1/4	3,132	1/4	1,976	1/4	819	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,265	1/2	3,108	1/2	1,952	1/2	795	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,241	3/4	3,084	3/4	1,928	3/4	771	3/4		3/4		3/4		3/4	
3		3		3	4,216	3	3,060	3	1,904	3	747	3		3		3		3	
1/4		1/4		1/4	4,192	1/4	3,036	1/4	1,879	1/4	723	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,168	1/2	3,012	1/2	1,855	1/2	699	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,144	3/4	2,988	3/4	1,831	3/4	675	3/4		3/4		3/4		3/4	
4		4		4	4,120	4	2,964	4	1,807	4	651	4		4		4		4	
1/4		1/4		1/4	4,096	1/4	2,940	1/4	1,783	1/4	627	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,072	1/2	2,915	1/2	1,759	1/2	603	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	5,197	3/4	4,048	3/4	2,891	3/4	578	3/4		3/4		3/4		3/4	
5		5		5	5,173	5	4,024	5	2,867	5	554	5		5		5		5	
1/4		1/4		1/4	5,150	1/4	4,000	1/4	2,843	1/4	530	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	5,126	1/2	3,976	1/2	2,819	1/2	506	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	5,102	3/4	3,951	3/4	2,795	3/4	482	3/4		3/4		3/4		3/4	
6		6		6	5,078	6	3,927	6	2,771	6	458	6		6		6		6	
1/4		1/4		1/4	5,055	1/4	3,903	1/4	2,747	1/4	434	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	5,031	1/2	3,879	1/2	2,723	1/2	410	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	5,007	3/4	3,855	3/4	2,699	3/4	386	3/4		3/4		3/4		3/4	
7		7		7	4,983	7	3,831	7	2,675	7	362	7		7		7		7	
1/4		1/4		1/4	4,960	1/4	3,807	1/4	2,650	1/4	337	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,936	1/2	3,783	1/2	2,626	1/2	313	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,912	3/4	3,759	3/4	2,602	3/4	289	3/4		3/4		3/4		3/4	
8		8		8	4,889	8	3,735	8	2,578	8	265	8		8		8		8	
1/4		1/4		1/4	4,865	1/4	3,711	1/4	2,554	1/4	241	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,841	1/2	3,686	1/2	2,530	1/2	217	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,817	3/4	3,662	3/4	2,506	3/4	193	3/4		3/4		3/4		3/4	
9		9		9	4,794	9	3,638	9	2,482	9	169	9		9		9		9	
1/4		1/4		1/4	4,770	1/4	3,614	1/4	2,458	1/4	145	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,746	1/2	3,590	1/2	2,434	1/2	121	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,722	3/4	3,566	3/4	2,409	3/4	97	3/4		3/4		3/4		3/4	
10		10		10	4,698	10	3,542	10	2,385	10	72	10		10		10		10	
1/4		1/4		1/4	4,674	1/4	3,518	1/4	2,361	1/4	48	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,650	1/2	3,494	1/2	2,337	1/2	24	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,626	3/4	3,470	3/4	2,313	3/4		3/4		3/4		3/4		3/4	
11		11		11	4,602	11	3,445	11	2,289	11	1,133	11		11		11		11	
1/4		1/4		1/4	4,578	1/4	3,421	1/4	2,265	1/4	1,108	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,554	1/2	3,397	1/2	2,241	1/2	1,084	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,530	3/4	3,373	3/4	2,217	3/4	1,060	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.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF MMC VALVE

STRAPPED: 04/03/2019 CL
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CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2019

PRECISION MEASUREMENT
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BARGE "HSM 3043"

STBD SLOP ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-10 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	4,523	0	3,362	0	2,201	0	1,040	0		0		0		0	
1/4	1/4		1/4	1/4	4,499	1/4	3,338	1/4	2,177	1/4	1,016	1/4		1/4		1/4		1/4	
1/2	1/2		1/2	1/2	4,475	1/2	3,314	1/2	2,153	1/2	992	1/2		1/2		1/2		1/2	
3/4	3/4		3/4	3/4	4,450	3/4	3,290	3/4	2,129	3/4	968	3/4		3/4		3/4		3/4	
1		1		1	4,426	1	3,265	1	2,104	1	944	1		1		1		1	
1/4	1/4		1/4	1/4	4,402	1/4	3,241	1/4	2,080	1/4	919	1/4		1/4		1/4		1/4	
1/2	1/2		1/2	1/2	4,378	1/2	3,217	1/2	2,056	1/2	895	1/2		1/2		1/2		1/2	
3/4	3/4		3/4	3/4	4,354	3/4	3,193	3/4	2,032	3/4	871	3/4		3/4		3/4		3/4	
2		2		2	4,329	2	3,169	2	2,008	2	847	2		2		2		2	
1/4	1/4		1/4	1/4	4,305	1/4	3,144	1/4	1,984	1/4	823	1/4		1/4		1/4		1/4	
1/2	1/2		1/2	1/2	4,281	1/2	3,120	1/2	1,959	1/2	798	1/2		1/2		1/2		1/2	
3/4	3/4		3/4	3/4	4,257	3/4	3,096	3/4	1,935	3/4	774	3/4		3/4		3/4		3/4	
3		3		3	4,233	3	3,072	3	1,911	3	750	3		3		3		3	
1/4	1/4		1/4	1/4	4,209	1/4	3,048	1/4	1,887	1/4	726	1/4		1/4		1/4		1/4	
1/2	1/2		1/2	1/2	4,184	1/2	3,023	1/2	1,863	1/2	702	1/2		1/2		1/2		1/2	
3/4	3/4		3/4	3/4	4,160	3/4	2,999	3/4	1,838	3/4	678	3/4		3/4		3/4		3/4	
4		4		4	4,136	4	2,975	4	1,814	4	653	4		4		4		4	
1/4	1/4		1/4	1/4	4,112	1/4	2,951	1/4	1,790	1/4	629	1/4		1/4		1/4		1/4	
1/2	1/2		1/2	1/2	4,088	1/2	2,927	1/2	1,766	1/2	605	1/2		1/2		1/2		1/2	
3/4	3/4		3/4	3/4	5,217	3/4	4,063	3/4	2,903	3/4	581	3/4		3/4		3/4		3/4	
5		5		5	5,193	5	4,039	5	2,878	5	557	5		5		5		5	
1/4	1/4		1/4	1/4	5,169	1/4	4,015	1/4	2,854	1/4	532	1/4		1/4		1/4		1/4	
1/2	1/2		1/2	1/2	5,146	1/2	3,991	1/2	2,830	1/2	508	1/2		1/2		1/2		1/2	
3/4	3/4		3/4	3/4	5,122	3/4	3,967	3/4	2,806	3/4	484	3/4		3/4		3/4		3/4	
6		6		6	5,098	6	3,943	6	2,782	6	460	6		6		6		6	
1/4	1/4		1/4	1/4	5,074	1/4	3,918	1/4	2,757	1/4	436	1/4		1/4		1/4		1/4	
1/2	1/2		1/2	1/2	5,050	1/2	3,894	1/2	2,733	1/2	411	1/2		1/2		1/2		1/2	
3/4	3/4		3/4	3/4	5,026	3/4	3,870	3/4	2,709	3/4	387	3/4		3/4		3/4		3/4	
7		7		7	5,003	7	3,846	7	2,685	7	363	7		7		7		7	
1/4	1/4		1/4	1/4	4,979	1/4	3,822	1/4	2,661	1/4	339	1/4		1/4		1/4		1/4	
1/2	1/2		1/2	1/2	4,955	1/2	3,797	1/2	2,637	1/2	315	1/2		1/2		1/2		1/2	
3/4	3/4		3/4	3/4	4,931	3/4	3,773	3/4	2,612	3/4	291	3/4		3/4		3/4		3/4	
8		8		8	4,907	8	3,749	8	2,588	8	266	8		8		8		8	
1/4	1/4		1/4	1/4	4,884	1/4	3,725	1/4	2,564	1/4	242	1/4		1/4		1/4		1/4	
1/2	1/2		1/2	1/2	4,860	1/2	3,701	1/2	2,540	1/2	218	1/2		1/2		1/2		1/2	
3/4	3/4		3/4	3/4	4,836	3/4	3,676	3/4	2,516	3/4	194	3/4		3/4		3/4		3/4	
9		9		9	4,812	9	3,652	9	2,491	9	170	9		9		9		9	
1/4	1/4		1/4	1/4	4,788	1/4	3,628	1/4	2,467	1/4	145	1/4		1/4		1/4		1/4	
1/2	1/2		1/2	1/2	4,764	1/2	3,604	1/2	2,443	1/2	121	1/2		1/2		1/2		1/2	
3/4	3/4		3/4	3/4	4,740	3/4	3,580	3/4	2,419	3/4	97	3/4		3/4		3/4		3/4	
10		10		10	4,716	10	3,556	10	2,395	10	73	10		10		10		10	
1/4	1/4		1/4	1/4	4,692	1/4	3,531	1/4	2,370	1/4	49	1/4		1/4		1/4		1/4	
1/2	1/2		1/2	1/2	4,668	1/2	3,507	1/2	2,346	1/2	24	1/2		1/2		1/2		1/2	
3/4	3/4		3/4	3/4	4,644	3/4	3,483	3/4	2,322	3/4		3/4		3/4		3/4		3/4	
11		11		11	4,620	11	3,459	11	2,298	11	1,137	11		11		11		11	
1/4	1/4		1/4	1/4	4,595	1/4	3,435	1/4	2,274	1/4	1,113	1/4		1/4		1/4		1/4	
1/2	1/2		1/2	1/2	4,571	1/2	3,410	1/2	2,250	1/2	1,089	1/2		1/2		1/2		1/2	
3/4	3/4		3/4	3/4	4,547	3/4	3,386	3/4	2,225	3/4	1,064	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.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF THE 2" MMC VALVE.

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BARGE "HSM 3043"

ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 1'-00"
 AFT DRAFT = 3'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 238'-09"

April 5, 2019

PRECISION MEASUREMENT
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 Pearland, Texas 77588

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BARGE "HSM 3043"

INNAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 1'-00"
 AFT DRAFT = 3'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS 00-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 238'-09"

April 5, 2019

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