



BARGE "HSM 3031"

INNAGE TRIM TABLE 8" GAUGE HATCH

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 238'-06"

December 11, 2019

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HSM 3031"

INNAGE TRIM TABLE "MMC" GAUGE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 238'-06"

December 11, 2019

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BARGE "HSM 3031"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	148,418	0	163,452	0	178,478	0	193,469	0	208,387	0		0		0		0		0	
1/4	148,731	1/4	163,766	1/4	178,790	1/4	193,781	1/4	208,667	1/4		1/4		1/4		1/4		1/4	
1/2	149,044	1/2	164,079	1/2	179,103	1/2	194,093	1/2	208,948	1/2		1/2		1/2		1/2		1/2	
3/4	149,357	3/4	164,392	3/4	179,415	3/4	194,406	3/4	209,228	3/4		3/4		3/4		3/4		3/4	
1	149,671	1	164,705	1	179,727	1	194,718	1	209,509	1		1		1		1		1	
1/4	149,984	1/4	165,019	1/4	180,039	1/4	195,030	1/4	209,741	1/4		1/4		1/4		1/4		1/4	
1/2	150,297	1/2	165,332	1/2	180,352	1/2	195,343	1/2	209,973	1/2		1/2		1/2		1/2		1/2	
3/4	150,610	3/4	165,645	3/4	180,664	3/4	195,655	3/4	210,205	3/4		3/4		3/4		3/4		3/4	
2	150,924	2	165,958	2	180,976	2	195,967	2	210,437	2		2		2		2		2	
1/4	151,237	1/4	166,271	1/4	181,289	1/4	196,280	1/4	210,616	1/4		1/4		1/4		1/4		1/4	
1/2	151,550	1/2	166,585	1/2	181,601	1/2	196,592	1/2	210,796	1/2		1/2		1/2		1/2		1/2	
3/4	151,863	3/4	166,898	3/4	181,913	3/4	196,904	3/4	210,976	3/4		3/4		3/4		3/4		3/4	
3	152,176	3	167,211	3	182,226	3	197,216	3	211,155	3		3		3		3		3	
1/4	152,490	1/4	167,524	1/4	182,538	1/4	197,529	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,803	1/2	167,838	1/2	182,850	1/2	197,841	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,116	3/4	168,151	3/4	183,163	3/4	198,153	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,429	4	168,464	4	183,475	4	198,466	4		4		4		4		4		4	
1/4	153,743	1/4	168,777	1/4	183,787	1/4	198,778	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,056	1/2	169,090	1/2	184,099	1/2	199,090	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,369	3/4	169,404	3/4	184,412	3/4	199,403	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,682	5	169,717	5	184,724	5	199,715	5		5		5		5		5		5	
1/4	154,995	1/4	170,030	1/4	185,036	1/4	200,026	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,309	1/2	170,343	1/2	185,349	1/2	200,337	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,622	3/4	170,657	3/4	185,661	3/4	200,649	3/4		3/4		3/4		3/4		3/4		3/4	
6	155,935	6	170,970	6	185,973	6	200,960	6		6		6		6		6		6	
1/4	156,248	1/4	171,283	1/4	186,286	1/4	201,270	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,562	1/2	171,596	1/2	186,598	1/2	201,580	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,875	3/4	171,909	3/4	186,910	3/4	201,890	3/4		3/4		3/4		3/4		3/4		3/4	
7	157,188	7	172,223	7	187,223	7	202,200	7		7		7		7		7		7	
1/4	157,501	1/4	172,536	1/4	187,535	1/4	202,511	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,814	1/2	172,849	1/2	187,847	1/2	202,821	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,128	3/4	173,162	3/4	188,159	3/4	203,131	3/4		3/4		3/4		3/4		3/4		3/4	
8	158,441	8	173,476	8	188,472	8	203,441	8		8		8		8		8		8	
1/4	158,754	1/4	173,789	1/4	188,784	1/4	203,752	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,067	1/2	174,102	1/2	189,096	1/2	204,062	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,381	3/4	174,415	3/4	189,409	3/4	204,372	3/4		3/4		3/4		3/4		3/4		3/4	
9	159,694	9	174,728	9	189,721	9	204,683	9		9		9		9		9		9	
1/4	160,007	1/4	175,041	1/4	190,033	1/4	204,993	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,320	1/2	175,354	1/2	190,346	1/2	205,303	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,633	3/4	175,667	3/4	190,658	3/4	205,613	3/4		3/4		3/4		3/4		3/4		3/4	
10	160,947	10	175,979	10	190,970	10	205,923	10		10		10		10		10		10	
1/4	161,260	1/4	176,292	1/4	191,283	1/4	206,233	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,573	1/2	176,604	1/2	191,595	1/2	206,543	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,886	3/4	176,916	3/4	191,907	3/4	206,853	3/4		3/4		3/4		3/4		3/4		3/4	
11	162,200	11	177,229	11	192,220	11	207,163	11		11		11		11		11		11	
1/4	162,513	1/4	177,541	1/4	192,532	1/4	207,469	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,826	1/2	177,853	1/2	192,844	1/2	207,775	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,139	3/4	178,166	3/4	193,156	3/4	208,081	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/10/2019 CL
CALCULATED: 12/11/2019 CL
PRINTED: 12/11/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2019

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



BARGE "HSM 3031"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	147,765	0	162,724	0	177,673	0	192,589	0	207,432	0		0		0		0		0	
1/4	148,076	1/4	163,035	1/4	177,984	1/4	192,899	1/4	207,711	1/4		1/4		1/4		1/4		1/4	
1/2	148,388	1/2	163,347	1/2	178,295	1/2	193,210	1/2	207,990	1/2		1/2		1/2		1/2		1/2	
3/4	148,700	3/4	163,659	3/4	178,606	3/4	193,521	3/4	208,269	3/4		3/4		3/4		3/4		3/4	
1	149,011	1	163,970	1	178,916	1	193,832	1	208,548	1		1		1		1		1	
1/4	149,323	1/4	164,282	1/4	179,227	1/4	194,142	1/4	208,779	1/4		1/4		1/4		1/4		1/4	
1/2	149,635	1/2	164,593	1/2	179,538	1/2	194,453	1/2	209,009	1/2		1/2		1/2		1/2		1/2	
3/4	149,946	3/4	164,905	3/4	179,849	3/4	194,764	3/4	209,240	3/4		3/4		3/4		3/4		3/4	
2	150,258	2	165,217	2	180,159	2	195,075	2	209,471	2		2		2		2		2	
1/4	150,569	1/4	165,528	1/4	180,470	1/4	195,385	1/4	209,650	1/4		1/4		1/4		1/4		1/4	
1/2	150,881	1/2	165,840	1/2	180,781	1/2	195,696	1/2	209,829	1/2		1/2		1/2		1/2		1/2	
3/4	151,193	3/4	166,152	3/4	181,091	3/4	196,007	3/4	210,007	3/4		3/4		3/4		3/4		3/4	
3	151,504	3	166,463	3	181,402	3	196,317	3	210,186	3		3		3		3		3	
1/4	151,816	1/4	166,775	1/4	181,713	1/4	196,628	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,128	1/2	167,087	1/2	182,024	1/2	196,939	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	152,439	3/4	167,398	3/4	182,334	3/4	197,250	3/4		3/4		3/4		3/4		3/4		3/4	
4	152,751	4	167,710	4	182,645	4	197,560	4		4		4		4		4		4	
1/4	153,063	1/4	168,022	1/4	182,956	1/4	197,871	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,374	1/2	168,333	1/2	183,267	1/2	198,182	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,686	3/4	168,645	3/4	183,577	3/4	198,493	3/4		3/4		3/4		3/4		3/4		3/4	
5	153,998	5	168,956	5	183,888	5	198,803	5		5		5		5		5		5	
1/4	154,309	1/4	169,268	1/4	184,199	1/4	199,113	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,621	1/2	169,580	1/2	184,510	1/2	199,423	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,933	3/4	169,891	3/4	184,820	3/4	199,732	3/4		3/4		3/4		3/4		3/4		3/4	
6	155,244	6	170,203	6	185,131	6	200,042	6		6		6		6		6		6	
1/4	155,556	1/4	170,515	1/4	185,442	1/4	200,351	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,867	1/2	170,826	1/2	185,752	1/2	200,659	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,179	3/4	171,138	3/4	186,063	3/4	200,968	3/4		3/4		3/4		3/4		3/4		3/4	
7	156,491	7	171,450	7	186,374	7	201,276	7		7		7		7		7		7	
1/4	156,802	1/4	171,761	1/4	186,685	1/4	201,585	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,114	1/2	172,073	1/2	186,995	1/2	201,894	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,426	3/4	172,385	3/4	187,306	3/4	202,202	3/4		3/4		3/4		3/4		3/4		3/4	
8	157,737	8	172,696	8	187,617	8	202,511	8		8		8		8		8		8	
1/4	158,049	1/4	173,008	1/4	187,928	1/4	202,820	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,361	1/2	173,319	1/2	188,238	1/2	203,129	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,672	3/4	173,631	3/4	188,549	3/4	203,437	3/4		3/4		3/4		3/4		3/4		3/4	
9	158,984	9	173,943	9	188,860	9	203,746	9		9		9		9		9		9	
1/4	159,296	1/4	174,254	1/4	189,171	1/4	204,055	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,607	1/2	174,565	1/2	189,481	1/2	204,363	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,919	3/4	174,876	3/4	189,792	3/4	204,672	3/4		3/4		3/4		3/4		3/4		3/4	
10	160,230	10	175,188	10	190,103	10	204,981	10		10		10		10		10		10	
1/4	160,542	1/4	175,498	1/4	190,413	1/4	205,289	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,854	1/2	175,809	1/2	190,724	1/2	205,597	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,165	3/4	176,120	3/4	191,035	3/4	205,905	3/4		3/4		3/4		3/4		3/4		3/4	
11	161,477	11	176,430	11	191,346	11	206,214	11		11		11		11		11		11	
1/4	161,789	1/4	176,741	1/4	191,656	1/4	206,518	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,100	1/2	177,052	1/2	191,967	1/2	206,823	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,412	3/4	177,363	3/4	192,278	3/4	207,127	3/4		3/4		3/4		3/4		3/4		3/4	

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BARGE "HSM 3031"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	150,290	0	165,368	0	180,434	0	195,460	0	210,390	0		0		0		0		0	
1/4	150,604	1/4	165,682	1/4	180,747	1/4	195,774	1/4	210,670	1/4		1/4		1/4		1/4		1/4	
1/2	150,918	1/2	165,996	1/2	181,060	1/2	196,087	1/2	210,950	1/2		1/2		1/2		1/2		1/2	
3/4	151,233	3/4	166,310	3/4	181,373	3/4	196,400	3/4	211,230	3/4		3/4		3/4		3/4		3/4	
1	151,547	1	166,624	1	181,686	1	196,713	1	211,510	1		1		1		1		1	
1/4	151,861	1/4	166,938	1/4	182,000	1/4	197,026	1/4	211,742	1/4		1/4		1/4		1/4		1/4	
1/2	152,175	1/2	167,252	1/2	182,313	1/2	197,339	1/2	211,973	1/2		1/2		1/2		1/2		1/2	
3/4	152,489	3/4	167,566	3/4	182,626	3/4	197,652	3/4	212,205	3/4		3/4		3/4		3/4		3/4	
2	152,803	2	167,880	2	182,939	2	197,965	2	212,436	2		2		2		2		2	
1/4	153,117	1/4	168,195	1/4	183,252	1/4	198,278	1/4	212,615	1/4		1/4		1/4		1/4		1/4	
1/2	153,431	1/2	168,509	1/2	183,565	1/2	198,591	1/2	212,795	1/2		1/2		1/2		1/2		1/2	
3/4	153,745	3/4	168,823	3/4	183,878	3/4	198,904	3/4	212,974	3/4		3/4		3/4		3/4		3/4	
3	154,060	3	169,137	3	184,191	3	199,217	3	213,153	3		3		3		3		3	
1/4	154,374	1/4	169,451	1/4	184,504	1/4	199,530	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,688	1/2	169,765	1/2	184,817	1/2	199,843	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,002	3/4	170,079	3/4	185,130	3/4	200,156	3/4		3/4		3/4		3/4		3/4		3/4	
4	155,316	4	170,393	4	185,443	4	200,469	4		4		4		4		4		4	
1/4	155,630	1/4	170,707	1/4	185,756	1/4	200,782	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,944	1/2	171,022	1/2	186,069	1/2	201,095	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,258	3/4	171,336	3/4	186,382	3/4	201,408	3/4		3/4		3/4		3/4		3/4		3/4	
5	156,572	5	171,650	5	186,695	5	201,721	5		5		5		5		5		5	
1/4	156,887	1/4	171,964	1/4	187,008	1/4	202,033	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,201	1/2	172,278	1/2	187,321	1/2	202,344	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,515	3/4	172,592	3/4	187,634	3/4	202,656	3/4		3/4		3/4		3/4		3/4		3/4	
6	157,829	6	172,906	6	187,947	6	202,967	6		6		6		6		6		6	
1/4	158,143	1/4	173,220	1/4	188,260	1/4	203,277	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,457	1/2	173,534	1/2	188,573	1/2	203,587	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,771	3/4	173,849	3/4	188,887	3/4	203,897	3/4		3/4		3/4		3/4		3/4		3/4	
7	159,085	7	174,163	7	189,200	7	204,207	7		7		7		7		7		7	
1/4	159,399	1/4	174,477	1/4	189,513	1/4	204,517	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,714	1/2	174,791	1/2	189,826	1/2	204,827	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,028	3/4	175,105	3/4	190,139	3/4	205,137	3/4		3/4		3/4		3/4		3/4		3/4	
8	160,342	8	175,419	8	190,452	8	205,447	8		8		8		8		8		8	
1/4	160,656	1/4	175,733	1/4	190,765	1/4	205,757	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,970	1/2	176,047	1/2	191,078	1/2	206,067	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,284	3/4	176,362	3/4	191,391	3/4	206,378	3/4		3/4		3/4		3/4		3/4		3/4	
9	161,598	9	176,676	9	191,704	9	206,688	9		9		9		9		9		9	
1/4	161,912	1/4	176,989	1/4	192,017	1/4	206,998	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,226	1/2	177,303	1/2	192,330	1/2	207,308	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,541	3/4	177,616	3/4	192,643	3/4	207,618	3/4		3/4		3/4		3/4		3/4		3/4	
10	162,855	10	177,930	10	192,956	10	207,928	10		10		10		10		10		10	
1/4	163,169	1/4	178,243	1/4	193,269	1/4	208,237	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,483	1/2	178,556	1/2	193,582	1/2	208,547	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,797	3/4	178,869	3/4	193,895	3/4	208,856	3/4		3/4		3/4		3/4		3/4		3/4	
11	164,111	11	179,182	11	194,208	11	209,166	11		11		11		11		11		11	
1/4	164,425	1/4	179,495	1/4	194,521	1/4	209,472	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,739	1/2	179,808	1/2	194,834	1/2	209,778	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,053	3/4	180,121	3/4	195,147	3/4	210,084	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/10/2019 CL
CALCULATED: 12/11/2019 CL
PRINTED: 12/11/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2019

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



BARGE "HSM 3031"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	151,423	0	166,500	0	181,567	0	196,593	0	211,522	0		0		0		0		0	
1/4	151,737	1/4	166,814	1/4	181,880	1/4	196,906	1/4	211,802	1/4		1/4		1/4		1/4		1/4	
1/2	152,051	1/2	167,128	1/2	182,193	1/2	197,219	1/2	212,083	1/2		1/2		1/2		1/2		1/2	
3/4	152,365	3/4	167,443	3/4	182,506	3/4	197,532	3/4	212,363	3/4		3/4		3/4		3/4		3/4	
1	152,679	1	167,757	1	182,819	1	197,845	1	212,643	1		1		1		1		1	
1/4	152,993	1/4	168,071	1/4	183,132	1/4	198,158	1/4	212,874	1/4		1/4		1/4		1/4		1/4	
1/2	153,307	1/2	168,385	1/2	183,445	1/2	198,471	1/2	213,106	1/2		1/2		1/2		1/2		1/2	
3/4	153,622	3/4	168,699	3/4	183,758	3/4	198,784	3/4	213,337	3/4		3/4		3/4		3/4		3/4	
2	153,936	2	169,013	2	184,071	2	199,097	2	213,569	2		2		2		2		2	
1/4	154,250	1/4	169,327	1/4	184,384	1/4	199,410	1/4	213,748	1/4		1/4		1/4		1/4		1/4	
1/2	154,564	1/2	169,641	1/2	184,697	1/2	199,724	1/2	213,927	1/2		1/2		1/2		1/2		1/2	
3/4	154,878	3/4	169,955	3/4	185,010	3/4	200,037	3/4	214,106	3/4		3/4		3/4		3/4		3/4	
3	155,192	3	170,270	3	185,323	3	200,350	3	214,286	3		3		3		3		3	
1/4	155,506	1/4	170,584	1/4	185,636	1/4	200,663	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,820	1/2	170,898	1/2	185,950	1/2	200,976	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,134	3/4	171,212	3/4	186,263	3/4	201,289	3/4		3/4		3/4		3/4		3/4		3/4	
4	156,449	4	171,526	4	186,576	4	201,602	4		4		4		4		4		4	
1/4	156,763	1/4	171,840	1/4	186,889	1/4	201,915	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,077	1/2	172,154	1/2	187,202	1/2	202,228	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,391	3/4	172,468	3/4	187,515	3/4	202,541	3/4		3/4		3/4		3/4		3/4		3/4	
5	157,705	5	172,782	5	187,828	5	202,854	5		5		5		5		5		5	
1/4	158,019	1/4	173,097	1/4	188,141	1/4	203,165	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,333	1/2	173,411	1/2	188,454	1/2	203,477	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,647	3/4	173,725	3/4	188,767	3/4	203,788	3/4		3/4		3/4		3/4		3/4		3/4	
6	158,961	6	174,039	6	189,080	6	204,100	6		6		6		6		6		6	
1/4	159,276	1/4	174,353	1/4	189,393	1/4	204,410	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,590	1/2	174,667	1/2	189,706	1/2	204,720	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,904	3/4	174,981	3/4	190,019	3/4	205,030	3/4		3/4		3/4		3/4		3/4		3/4	
7	160,218	7	175,295	7	190,332	7	205,340	7		7		7		7		7		7	
1/4	160,532	1/4	175,609	1/4	190,645	1/4	205,650	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,846	1/2	175,924	1/2	190,958	1/2	205,960	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,160	3/4	176,238	3/4	191,271	3/4	206,270	3/4		3/4		3/4		3/4		3/4		3/4	
8	161,474	8	176,552	8	191,584	8	206,580	8		8		8		8		8		8	
1/4	161,788	1/4	176,866	1/4	191,897	1/4	206,890	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,103	1/2	177,180	1/2	192,210	1/2	207,200	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,417	3/4	177,494	3/4	192,523	3/4	207,510	3/4		3/4		3/4		3/4		3/4		3/4	
9	162,731	9	177,808	9	192,837	9	207,820	9		9		9		9		9		9	
1/4	163,045	1/4	178,122	1/4	193,150	1/4	208,130	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,359	1/2	178,435	1/2	193,463	1/2	208,440	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,673	3/4	178,749	3/4	193,776	3/4	208,750	3/4		3/4		3/4		3/4		3/4		3/4	
10	163,987	10	179,062	10	194,089	10	209,060	10		10		10		10		10		10	
1/4	164,301	1/4	179,376	1/4	194,402	1/4	209,370	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,615	1/2	179,689	1/2	194,715	1/2	209,680	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,930	3/4	180,002	3/4	195,028	3/4	209,989	3/4		3/4		3/4		3/4		3/4		3/4	
11	165,244	11	180,315	11	195,341	11	210,299	11		11		11		11		11		11	
1/4	165,558	1/4	180,628	1/4	195,654	1/4	210,605	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,872	1/2	180,941	1/2	195,967	1/2	210,911	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	166,186	3/4	181,254	3/4	196,280	3/4	211,216	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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PRECISION MEASUREMENT
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BARGE "HSM 3031"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-04 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	148,606	0	158,981	0	169,335	0	179,661	0	189,972	0		0		0		0		0	
1/4	148,825	1/4	159,197	1/4	169,551	1/4	179,876	1/4	190,165	1/4		1/4		1/4		1/4		1/4	
1/2	149,044	1/2	159,413	1/2	169,766	1/2	180,091	1/2	190,357	1/2		1/2		1/2		1/2		1/2	
3/4	149,264	3/4	159,629	3/4	169,981	3/4	180,306	3/4	190,550	3/4		3/4		3/4		3/4		3/4	
1	149,483	1	159,845	1	170,196	1	180,521	1	190,743	1		1		1		1		1	
1/4	149,699	1/4	160,061	1/4	170,411	1/4	180,736	1/4	190,903	1/4		1/4		1/4		1/4		1/4	
1/2	149,915	1/2	160,277	1/2	170,626	1/2	180,951	1/2	191,062	1/2		1/2		1/2		1/2		1/2	
3/4	150,131	3/4	160,492	3/4	170,841	3/4	181,167	3/4	191,222	3/4		3/4		3/4		3/4		3/4	
2	150,347	2	160,708	2	171,056	2	181,382	2	191,382	2		2		2		2		2	
1/4	150,562	1/4	160,924	1/4	171,271	1/4	181,597	1/4	191,505	1/4		1/4		1/4		1/4		1/4	
1/2	150,778	1/2	161,140	1/2	171,487	1/2	181,812	1/2	191,629	1/2		1/2		1/2		1/2		1/2	
3/4	150,994	3/4	161,356	3/4	171,702	3/4	182,027	3/4	191,752	3/4		3/4		3/4		3/4		3/4	
3	151,210	3	161,572	3	171,917	3	182,242	3	191,876	3		3		3		3		3	
1/4	151,426	1/4	161,788	1/4	172,132	1/4	182,457	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	151,642	1/2	162,004	1/2	172,347	1/2	182,672	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	151,858	3/4	162,219	3/4	172,562	3/4	182,887	3/4		3/4		3/4		3/4		3/4		3/4	
4	152,073	4	162,435	4	172,777	4	183,103	4		4		4		4		4		4	
1/4	152,289	1/4	162,651	1/4	172,992	1/4	183,318	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,505	1/2	162,867	1/2	173,207	1/2	183,533	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	152,721	3/4	163,083	3/4	173,423	3/4	183,748	3/4		3/4		3/4		3/4		3/4		3/4	
5	152,937	5	163,299	5	173,638	5	183,963	5		5		5		5		5		5	
1/4	153,153	1/4	163,515	1/4	173,853	1/4	184,178	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,369	1/2	163,730	1/2	174,068	1/2	184,393	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,585	3/4	163,946	3/4	174,283	3/4	184,608	3/4		3/4		3/4		3/4		3/4		3/4	
6	153,800	6	164,162	6	174,498	6	184,823	6		6		6		6		6		6	
1/4	154,016	1/4	164,378	1/4	174,713	1/4	185,039	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,232	1/2	164,594	1/2	174,928	1/2	185,254	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,448	3/4	164,810	3/4	175,143	3/4	185,469	3/4		3/4		3/4		3/4		3/4		3/4	
7	154,664	7	165,026	7	175,359	7	185,684	7		7		7		7		7		7	
1/4	154,880	1/4	165,242	1/4	175,574	1/4	185,899	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,096	1/2	165,457	1/2	175,789	1/2	186,114	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,312	3/4	165,673	3/4	176,004	3/4	186,329	3/4		3/4		3/4		3/4		3/4		3/4	
8	155,527	8	165,889	8	176,219	8	186,545	8		8		8		8		8		8	
1/4	155,743	1/4	166,105	1/4	176,434	1/4	186,760	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,959	1/2	166,321	1/2	176,649	1/2	186,975	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,175	3/4	166,537	3/4	176,864	3/4	187,190	3/4		3/4		3/4		3/4		3/4		3/4	
9	156,391	9	166,753	9	177,079	9	187,405	9		9		9		9		9		9	
1/4	156,607	1/4	166,968	1/4	177,295	1/4	187,621	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,823	1/2	167,184	1/2	177,510	1/2	187,836	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,039	3/4	167,399	3/4	177,725	3/4	188,051	3/4		3/4		3/4		3/4		3/4		3/4	
10	157,254	10	167,615	10	177,940	10	188,266	10		10		10		10		10		10	
1/4	157,470	1/4	167,830	1/4	178,155	1/4	188,481	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,686	1/2	168,045	1/2	178,370	1/2	188,696	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,902	3/4	168,260	3/4	178,585	3/4	188,911	3/4		3/4		3/4		3/4		3/4		3/4	
11	158,118	11	168,475	11	178,800	11	189,126	11		11		11		11		11		11	
1/4	158,334	1/4	168,690	1/4	179,015	1/4	189,337	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,550	1/2	168,905	1/2	179,231	1/2	189,549	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,765	3/4	169,120	3/4	179,446	3/4	189,760	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/10/2019 CL
CALCULATED: 12/11/2019 CL
PRINTED: 12/11/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2019

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



BARGE "HSM 3031"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	149,643	0	160,020	0	170,374	0	180,700	0	191,011	0		0		0		0		0	
1/4	149,863	1/4	160,235	1/4	170,589	1/4	180,915	1/4	191,204	1/4		1/4		1/4		1/4		1/4	
1/2	150,082	1/2	160,451	1/2	170,804	1/2	181,130	1/2	191,397	1/2		1/2		1/2		1/2		1/2	
3/4	150,301	3/4	160,667	3/4	171,019	3/4	181,345	3/4	191,590	3/4		3/4		3/4		3/4		3/4	
1	150,521	1	160,883	1	171,235	1	181,560	1	191,783	1		1		1		1		1	
1/4	150,737	1/4	161,099	1/4	171,450	1/4	181,775	1/4	191,942	1/4		1/4		1/4		1/4		1/4	
1/2	150,953	1/2	161,315	1/2	171,665	1/2	181,991	1/2	192,102	1/2		1/2		1/2		1/2		1/2	
3/4	151,168	3/4	161,531	3/4	171,880	3/4	182,206	3/4	192,262	3/4		3/4		3/4		3/4		3/4	
2	151,384	2	161,747	2	172,095	2	182,421	2	192,421	2		2		2		2		2	
1/4	151,600	1/4	161,962	1/4	172,310	1/4	182,636	1/4	192,545	1/4		1/4		1/4		1/4		1/4	
1/2	151,816	1/2	162,178	1/2	172,525	1/2	182,851	1/2	192,668	1/2		1/2		1/2		1/2		1/2	
3/4	152,032	3/4	162,394	3/4	172,740	3/4	183,066	3/4	192,792	3/4		3/4		3/4		3/4		3/4	
3	152,248	3	162,610	3	172,956	3	183,281	3	192,915	3		3		3		3		3	
1/4	152,464	1/4	162,826	1/4	173,171	1/4	183,496	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,680	1/2	163,042	1/2	173,386	1/2	183,711	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	152,896	3/4	163,258	3/4	173,601	3/4	183,927	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,111	4	163,474	4	173,816	4	184,142	4		4		4		4		4		4	
1/4	153,327	1/4	163,689	1/4	174,031	1/4	184,357	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,543	1/2	163,905	1/2	174,246	1/2	184,572	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,759	3/4	164,121	3/4	174,461	3/4	184,787	3/4		3/4		3/4		3/4		3/4		3/4	
5	153,975	5	164,337	5	174,677	5	185,002	5		5		5		5		5		5	
1/4	154,191	1/4	164,553	1/4	174,892	1/4	185,217	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,407	1/2	164,769	1/2	175,107	1/2	185,432	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,623	3/4	164,985	3/4	175,322	3/4	185,648	3/4		3/4		3/4		3/4		3/4		3/4	
6	154,838	6	165,201	6	175,537	6	185,863	6		6		6		6		6		6	
1/4	155,054	1/4	165,416	1/4	175,752	1/4	186,078	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,270	1/2	165,632	1/2	175,967	1/2	186,293	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,486	3/4	165,848	3/4	176,182	3/4	186,508	3/4		3/4		3/4		3/4		3/4		3/4	
7	155,702	7	166,064	7	176,397	7	186,723	7		7		7		7		7		7	
1/4	155,918	1/4	166,280	1/4	176,613	1/4	186,938	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,134	1/2	166,496	1/2	176,828	1/2	187,154	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,350	3/4	166,712	3/4	177,043	3/4	187,369	3/4		3/4		3/4		3/4		3/4		3/4	
8	156,565	8	166,928	8	177,258	8	187,584	8		8		8		8		8		8	
1/4	156,781	1/4	167,144	1/4	177,473	1/4	187,799	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,997	1/2	167,359	1/2	177,688	1/2	188,014	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,213	3/4	167,575	3/4	177,903	3/4	188,230	3/4		3/4		3/4		3/4		3/4		3/4	
9	157,429	9	167,791	9	178,118	9	188,445	9		9		9		9		9		9	
1/4	157,645	1/4	168,007	1/4	178,334	1/4	188,660	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,861	1/2	168,222	1/2	178,549	1/2	188,875	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,077	3/4	168,438	3/4	178,764	3/4	189,090	3/4		3/4		3/4		3/4		3/4		3/4	
10	158,292	10	168,653	10	178,979	10	189,305	10		10		10		10		10		10	
1/4	158,508	1/4	168,868	1/4	179,194	1/4	189,520	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,724	1/2	169,083	1/2	179,409	1/2	189,735	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,940	3/4	169,299	3/4	179,624	3/4	189,950	3/4		3/4		3/4		3/4		3/4		3/4	
11	159,156	11	169,514	11	179,839	11	190,165	11		11		11		11		11		11	
1/4	159,372	1/4	169,729	1/4	180,054	1/4	190,376	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,588	1/2	169,944	1/2	180,270	1/2	190,588	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,804	3/4	170,159	3/4	180,485	3/4	190,800	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/10/2019 CL
CALCULATED: 12/11/2019 CL
PRINTED: 12/11/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "HSM 3031"

PORT SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-07 1/4"

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

STRAPPED: 12/10/2019 CL
CALCULATED: 12/11/2019 CL
PRINTED: 12/11/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2019

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



BARGE "HSM 3031"

STBD SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-07 1/2"

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

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CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT

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



BARGE "HSM 3031"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GUAGE HEIGHT 4'-06"

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	99	0	254	0	406	0		0		0		0		0		0	
1/4	1	1/4	102	1/4	257	1/4	409	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1	1/2	105	1/2	260	1/2	411	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	108	3/4	264	3/4	414	3/4		3/4		3/4		3/4		3/4		3/4	
1	3	1	111	1	267	1	417	1		1		1		1		1		1	
1/4	4	1/4	114	1/4	270	1/4	420	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	5	1/2	117	1/2	274	1/2	422	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	6	3/4	120	3/4	277	3/4	425	3/4		3/4		3/4		3/4		3/4		3/4	
2	7	2	123	2	280	2	428	2		2		2		2		2		2	
1/4	9	1/4	126	1/4	284	1/4	430	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	10	1/2	130	1/2	287	1/2	433	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	12	3/4	133	3/4	290	3/4	435	3/4		3/4		3/4		3/4		3/4		3/4	
3	13	3	136	3	294	3	438	3		3		3		3		3		3	
1/4	15	1/4	139	1/4	297	1/4	441	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	17	1/2	142	1/2	300	1/2	443	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	19	3/4	145	3/4	303	3/4	445	3/4		3/4		3/4		3/4		3/4		3/4	
4	20	4	148	4	307	4	448	4		4		4		4		4		4	
1/4	22	1/4	152	1/4	310	1/4	450	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	24	1/2	155	1/2	313	1/2	452	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	26	3/4	158	3/4	317	3/4	455	3/4		3/4		3/4		3/4		3/4		3/4	
5	28	5	161	5	320	5	457	5		5		5		5		5		5	
1/4	30	1/4	164	1/4	323	1/4	459	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	32	1/2	168	1/2	326	1/2	461	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	35	3/4	171	3/4	330	3/4	464	3/4		3/4		3/4		3/4		3/4		3/4	
6	37	6	174	6	333	6	466	6		6		6		6		6		6	
1/4	39	1/4	177	1/4	336	1/4	468	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	41	1/2	181	1/2	339	1/2	470	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	44	3/4	184	3/4	342	3/4	472	3/4		3/4		3/4		3/4		3/4		3/4	
7	46	7	187	7	346	7	474	7		7		7		7		7		7	
1/4	48	1/4	190	1/4	349	1/4	475	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	51	1/2	194	1/2	352	1/2	477	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	53	3/4	197	3/4	355	3/4	479	3/4		3/4		3/4		3/4		3/4		3/4	
8	56	8	200	8	358	8	481	8		8		8		8		8		8	
1/4	58	1/4	204	1/4	361	1/4	482	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	61	1/2	207	1/2	364	1/2	484	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	63	3/4	210	3/4	367	3/4	485	3/4		3/4		3/4		3/4		3/4		3/4	
9	66	9	214	9	370	9	487	9		9		9		9		9		9	
1/4	69	1/4	217	1/4	373	1/4	488	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	71	1/2	220	1/2	376	1/2	489	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	74	3/4	224	3/4	380	3/4	490	3/4		3/4		3/4		3/4		3/4		3/4	
10	77	10	227	10	383	10	491	10		10		10		10		10		10	
1/4	80	1/4	230	1/4	386	1/4	492	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	82	1/2	234	1/2	388	1/2	493	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	85	3/4	237	3/4	391	3/4	493	3/4		3/4		3/4		3/4		3/4		3/4	
11	88	11	240	11	394	11	494	11		11		11		11		11		11	
1/4	91	1/4	244	1/4	397	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	94	1/2	247	1/2	400	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	97	3/4	250	3/4	403	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

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