



# BARGE "HSM 4103"

## 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	00-0/8	- 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	00-1/4	- 00-1/4
1 STBD	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	00-1/4	- 00-1/4
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	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 1'-00"  
 AFT DRAFT = 5'-00"  
 DIFF. = 4'-00" (DOWN BY STERN)

THE CORRECTION FOR 4'-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 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 238'-06"

October 16, 2024

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

<http://www.pmacorp.net>







# BARGE "HSM 4103"

## 1 PORT INNAGE TABLE

U.S. GALLONS

GAUGE HEIGHT 15'-11 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	147,740	0	162,752	0	177,755	0	192,723	0	207,636	0		0		0		0		0	
1/4	148,053	1/4	163,064	1/4	178,067	1/4	193,035	1/4	207,938	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	148,366	1/2	163,377	1/2	178,379	1/2	193,346	1/2	208,240	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	148,678	3/4	163,690	3/4	178,690	3/4	193,658	3/4	208,542	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	148,991	1	164,003	1	179,002	1	193,970	1	208,845	1		1		1		1		1	
1/4	149,304	1/4	164,315	1/4	179,314	1/4	194,282	1/4	209,115	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	149,617	1/2	164,628	1/2	179,626	1/2	194,594	1/2	209,386	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	149,929	3/4	164,941	3/4	179,938	3/4	194,906	3/4	209,657	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	150,242	2	165,254	2	180,250	2	195,217	2	209,927	2		2		2		2		2	
1/4	150,555	1/4	165,566	1/4	180,561	1/4	195,529	1/4	210,146	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	150,868	1/2	165,879	1/2	180,873	1/2	195,841	1/2	210,364	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	151,180	3/4	166,192	3/4	181,185	3/4	196,153	3/4	210,583	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	151,493	3	166,505	3	181,497	3	196,465	3	210,801	3		3		3		3		3	
1/4	151,806	1/4	166,817	1/4	181,809	1/4	196,776	1/4	210,968	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	152,118	1/2	167,130	1/2	182,121	1/2	197,088	1/2	211,134	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	152,431	3/4	167,443	3/4	182,432	3/4	197,400	3/4	211,301	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	152,744	4	167,756	4	182,744	4	197,712	4	211,467	4		4		4		4		4	
1/4	153,057	1/4	168,068	1/4	183,056	1/4	198,024	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	153,369	1/2	168,381	1/2	183,368	1/2	198,336	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	153,682	3/4	168,694	3/4	183,680	3/4	198,647	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	153,995	5	169,006	5	183,992	5	198,959	5		5		5		5		5		5	
1/4	154,308	1/4	169,319	1/4	184,303	1/4	199,271	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,620	1/2	169,632	1/2	184,615	1/2	199,582	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	154,933	3/4	169,945	3/4	184,927	3/4	199,893	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	155,246	6	170,257	6	185,239	6	200,204	6		6		6		6		6		6	
1/4	155,559	1/4	170,570	1/4	185,551	1/4	200,514	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,871	1/2	170,883	1/2	185,863	1/2	200,824	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,184	3/4	171,196	3/4	186,174	3/4	201,134	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	156,497	7	171,508	7	186,486	7	201,443	7		7		7		7		7		7	
1/4	156,810	1/4	171,821	1/4	186,798	1/4	201,753	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,122	1/2	172,134	1/2	187,110	1/2	202,063	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,435	3/4	172,447	3/4	187,422	3/4	202,372	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	157,748	8	172,759	8	187,733	8	202,682	8		8		8		8		8		8	
1/4	158,061	1/4	173,072	1/4	188,045	1/4	202,992	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,373	1/2	173,385	1/2	188,357	1/2	203,302	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,686	3/4	173,698	3/4	188,669	3/4	203,612	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	158,999	9	174,010	9	188,981	9	203,921	9		9		9		9		9		9	
1/4	159,312	1/4	174,323	1/4	189,293	1/4	204,231	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,624	1/2	174,635	1/2	189,604	1/2	204,541	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,937	3/4	174,948	3/4	189,916	3/4	204,851	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	160,250	10	175,260	10	190,228	10	205,161	10		10		10		10		10		10	
1/4	160,562	1/4	175,572	1/4	190,540	1/4	205,470	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	160,875	1/2	175,884	1/2	190,852	1/2	205,780	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,188	3/4	176,196	3/4	191,164	3/4	206,090	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	161,501	11	176,508	11	191,475	11	206,399	11		11		11		11		11		11	
1/4	161,813	1/4	176,820	1/4	191,787	1/4	206,708	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	162,126	1/2	177,131	1/2	192,099	1/2	207,018	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,439	3/4	177,443	3/4	192,411	3/4	207,327	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.

STRAPPED: 10/15/2024 CL  
CALCULATED: 10/16/2024 CL  
PRINTED: 10/16/2024 CL

PRECISION MEASUREMENT  
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CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2024





# BARGE "HSM 4103"

## 1 STBD INNAGE TABLE

U.S. GALLONS

GAUGE HEIGHT 15'-11 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	147,932	0	162,954	0	177,967	0	192,944	0	207,867	0		0		0		0		0	
1/4	148,245	1/4	163,267	1/4	178,279	1/4	193,256	1/4	208,169	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	148,558	1/2	163,580	1/2	178,591	1/2	193,568	1/2	208,472	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	148,871	3/4	163,893	3/4	178,903	3/4	193,880	3/4	208,774	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	149,184	1	164,205	1	179,215	1	194,192	1	209,076	1	1	1	1	1	1	1	1	1	1
1/4	149,497	1/4	164,518	1/4	179,527	1/4	194,504	1/4	209,347	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	149,810	1/2	164,831	1/2	179,839	1/2	194,816	1/2	209,618	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	150,123	3/4	165,144	3/4	180,151	3/4	195,128	3/4	209,889	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	150,436	2	165,457	2	180,463	2	195,440	2	210,160	2	2	2	2	2	2	2	2	2	2
1/4	150,749	1/4	165,770	1/4	180,775	1/4	195,752	1/4	210,378	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	151,062	1/2	166,083	1/2	181,087	1/2	196,064	1/2	210,597	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	151,375	3/4	166,396	3/4	181,399	3/4	196,376	3/4	210,816	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	151,688	3	166,709	3	181,711	3	196,689	3	211,035	3	3	3	3	3	3	3	3	3	3
1/4	152,001	1/4	167,022	1/4	182,023	1/4	197,001	1/4	211,201	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	152,314	1/2	167,335	1/2	182,335	1/2	197,313	1/2	211,368	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	152,627	3/4	167,648	3/4	182,647	3/4	197,625	3/4	211,534	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	152,940	4	167,961	4	182,959	4	197,937	4	211,701	4	4	4	4	4	4	4	4	4	4
1/4	153,253	1/4	168,274	1/4	183,271	1/4	198,249	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	153,565	1/2	168,587	1/2	183,583	1/2	198,561	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	153,878	3/4	168,900	3/4	183,895	3/4	198,873	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	154,191	5	169,213	5	184,207	5	199,185	5		5	5	5	5	5	5	5	5	5	5
1/4	154,504	1/4	169,526	1/4	184,519	1/4	199,496	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,817	1/2	169,838	1/2	184,831	1/2	199,808	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,130	3/4	170,151	3/4	185,143	3/4	200,119	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	155,443	6	170,464	6	185,455	6	200,431	6		6	6	6	6	6	6	6	6	6	6
1/4	155,756	1/4	170,777	1/4	185,767	1/4	200,741	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,069	1/2	171,090	1/2	186,079	1/2	201,051	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,382	3/4	171,403	3/4	186,392	3/4	201,360	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	156,695	7	171,716	7	186,704	7	201,670	7		7	7	7	7	7	7	7	7	7	7
1/4	157,008	1/4	172,029	1/4	187,016	1/4	201,980	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,321	1/2	172,342	1/2	187,328	1/2	202,290	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,634	3/4	172,655	3/4	187,640	3/4	202,600	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	157,947	8	172,968	8	187,952	8	202,910	8		8	8	8	8	8	8	8	8	8	8
1/4	158,260	1/4	173,281	1/4	188,264	1/4	203,220	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,573	1/2	173,594	1/2	188,576	1/2	203,530	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,885	3/4	173,907	3/4	188,888	3/4	203,840	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	159,198	9	174,220	9	189,200	9	204,150	9		9	9	9	9	9	9	9	9	9	9
1/4	159,511	1/4	174,532	1/4	189,512	1/4	204,460	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,824	1/2	174,845	1/2	189,824	1/2	204,770	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,137	3/4	175,158	3/4	190,136	3/4	205,080	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	160,450	10	175,470	10	190,448	10	205,390	10		10	10	10	10	10	10	10	10	10	10
1/4	160,763	1/4	175,783	1/4	190,760	1/4	205,700	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,076	1/2	176,095	1/2	191,072	1/2	206,010	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,389	3/4	176,407	3/4	191,384	3/4	206,320	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	161,702	11	176,719	11	191,696	11	206,630	11		11	11	11	11	11	11	11	11	11	11
1/4	162,015	1/4	177,031	1/4	192,008	1/4	206,939	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	162,328	1/2	177,343	1/2	192,320	1/2	207,248	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,641	3/4	177,655	3/4	192,632	3/4	207,558	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.

STRAPPED: 10/15/2024 CL  
CALCULATED: 10/16/2024 CL  
PRINTED: 10/16/2024 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2024

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>





# BARGE "HSM 4103"

## 2 PORT INNAGE TABLE

U.S. GALLONS

GAUGE HEIGHT 15'-11 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	150,142	0	165,180	0	180,208	0	195,194	0	210,103	0		0		0		0		0	
1/4	150,455	1/4	165,493	1/4	180,520	1/4	195,507	1/4	210,405	1/4		1/4		1/4		1/4		1/4	
1/2	150,768	1/2	165,806	1/2	180,832	1/2	195,819	1/2	210,706	1/2		1/2		1/2		1/2		1/2	
3/4	151,082	3/4	166,119	3/4	181,144	3/4	196,131	3/4	211,008	3/4		3/4		3/4		3/4		3/4	
1	151,395	1	166,433	1	181,457	1	196,443	1	211,310	1		1		1		1		1	
1/4	151,708	1/4	166,746	1/4	181,769	1/4	196,756	1/4	211,580	1/4		1/4		1/4		1/4		1/4	
1/2	152,021	1/2	167,059	1/2	182,081	1/2	197,068	1/2	211,850	1/2		1/2		1/2		1/2		1/2	
3/4	152,335	3/4	167,373	3/4	182,393	3/4	197,380	3/4	212,120	3/4		3/4		3/4		3/4		3/4	
2	152,648	2	167,686	2	182,706	2	197,692	2	212,390	2		2		2		2		2	
1/4	152,961	1/4	167,999	1/4	183,018	1/4	198,004	1/4	212,608	1/4		1/4		1/4		1/4		1/4	
1/2	153,275	1/2	168,312	1/2	183,330	1/2	198,317	1/2	212,825	1/2		1/2		1/2		1/2		1/2	
3/4	153,588	3/4	168,626	3/4	183,642	3/4	198,629	3/4	213,043	3/4		3/4		3/4		3/4		3/4	
3	153,901	3	168,939	3	183,954	3	198,941	3	213,261	3		3		3		3		3	
1/4	154,214	1/4	169,252	1/4	184,267	1/4	199,253	1/4	213,427	1/4		1/4		1/4		1/4		1/4	
1/2	154,528	1/2	169,566	1/2	184,579	1/2	199,566	1/2	213,592	1/2		1/2		1/2		1/2		1/2	
3/4	154,841	3/4	169,879	3/4	184,891	3/4	199,878	3/4	213,758	3/4		3/4		3/4		3/4		3/4	
4	155,154	4	170,192	4	185,203	4	200,190	4	213,924	4		4		4		4		4	
1/4	155,468	1/4	170,505	1/4	185,516	1/4	200,502	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,781	1/2	170,819	1/2	185,828	1/2	200,814	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,094	3/4	171,132	3/4	186,140	3/4	201,127	3/4		3/4		3/4		3/4		3/4		3/4	
5	156,407	5	171,445	5	186,452	5	201,439	5		5		5		5		5		5	
1/4	156,721	1/4	171,759	1/4	186,764	1/4	201,750	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,034	1/2	172,072	1/2	187,077	1/2	202,062	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,347	3/4	172,385	3/4	187,389	3/4	202,373	3/4		3/4		3/4		3/4		3/4		3/4	
6	157,661	6	172,698	6	187,701	6	202,685	6		6		6		6		6		6	
1/4	157,974	1/4	173,012	1/4	188,013	1/4	202,994	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,287	1/2	173,325	1/2	188,326	1/2	203,303	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,600	3/4	173,638	3/4	188,638	3/4	203,612	3/4		3/4		3/4		3/4		3/4		3/4	
7	158,914	7	173,952	7	188,950	7	203,921	7		7		7		7		7		7	
1/4	159,227	1/4	174,265	1/4	189,262	1/4	204,230	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,540	1/2	174,578	1/2	189,574	1/2	204,540	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,854	3/4	174,891	3/4	189,887	3/4	204,849	3/4		3/4		3/4		3/4		3/4		3/4	
8	160,167	8	175,205	8	190,199	8	205,158	8		8		8		8		8		8	
1/4	160,480	1/4	175,518	1/4	190,511	1/4	205,467	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,794	1/2	175,831	1/2	190,823	1/2	205,777	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,107	3/4	176,145	3/4	191,136	3/4	206,086	3/4		3/4		3/4		3/4		3/4		3/4	
9	161,420	9	176,458	9	191,448	9	206,395	9		9		9		9		9		9	
1/4	161,733	1/4	176,771	1/4	191,760	1/4	206,704	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,047	1/2	177,084	1/2	192,072	1/2	207,014	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,360	3/4	177,397	3/4	192,384	3/4	207,323	3/4		3/4		3/4		3/4		3/4		3/4	
10	162,673	10	177,710	10	192,697	10	207,632	10		10		10		10		10		10	
1/4	162,987	1/4	178,022	1/4	193,009	1/4	207,941	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,300	1/2	178,334	1/2	193,321	1/2	208,250	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,613	3/4	178,647	3/4	193,633	3/4	208,560	3/4		3/4		3/4		3/4		3/4		3/4	
11	163,926	11	178,959	11	193,946	11	208,869	11		11		11		11		11		11	
1/4	164,240	1/4	179,271	1/4	194,258	1/4	209,177	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,553	1/2	179,583	1/2	194,570	1/2	209,486	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,866	3/4	179,896	3/4	194,882	3/4	209,794	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/15/2024 CL  
CALCULATED: 10/16/2024 CL  
PRINTED: 10/16/2024 CL

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2024







# BARGE "HSM 4103"

## 2 STBD INNAGE TABLE

U.S. GALLONS

GAUGE HEIGHT 15'-11 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	150,676	0	165,710	0	180,734	0	195,717	0	210,622	0		0		0		0		0	
1/4	150,989	1/4	166,023	1/4	181,046	1/4	196,030	1/4	210,924	1/4		1/4		1/4		1/4		1/4	
1/2	151,302	1/2	166,336	1/2	181,359	1/2	196,342	1/2	211,225	1/2		1/2		1/2		1/2		1/2	
3/4	151,615	3/4	166,649	3/4	181,671	3/4	196,654	3/4	211,527	3/4		3/4		3/4		3/4		3/4	
1	151,928	1	166,963	1	181,983	1	196,966	1	211,828	1		1		1		1		1	
1/4	152,242	1/4	167,276	1/4	182,295	1/4	197,278	1/4	212,098	1/4		1/4		1/4		1/4		1/4	
1/2	152,555	1/2	167,589	1/2	182,607	1/2	197,590	1/2	212,368	1/2		1/2		1/2		1/2		1/2	
3/4	152,868	3/4	167,902	3/4	182,919	3/4	197,902	3/4	212,638	3/4		3/4		3/4		3/4		3/4	
2	153,181	2	168,215	2	183,231	2	198,215	2	212,908	2		2		2		2		2	
1/4	153,494	1/4	168,529	1/4	183,544	1/4	198,527	1/4	213,126	1/4		1/4		1/4		1/4		1/4	
1/2	153,808	1/2	168,842	1/2	183,856	1/2	198,839	1/2	213,344	1/2		1/2		1/2		1/2		1/2	
3/4	154,121	3/4	169,155	3/4	184,168	3/4	199,151	3/4	213,562	3/4		3/4		3/4		3/4		3/4	
3	154,434	3	169,468	3	184,480	3	199,463	3	213,780	3		3		3		3		3	
1/4	154,747	1/4	169,781	1/4	184,792	1/4	199,775	1/4	213,945	1/4		1/4		1/4		1/4		1/4	
1/2	155,061	1/2	170,095	1/2	185,104	1/2	200,087	1/2	214,111	1/2		1/2		1/2		1/2		1/2	
3/4	155,374	3/4	170,408	3/4	185,417	3/4	200,400	3/4	214,276	3/4		3/4		3/4		3/4		3/4	
4	155,687	4	170,721	4	185,729	4	200,712	4	214,442	4		4		4		4		4	
1/4	156,000	1/4	171,034	1/4	186,041	1/4	201,024	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,313	1/2	171,348	1/2	186,353	1/2	201,336	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,627	3/4	171,661	3/4	186,665	3/4	201,648	3/4		3/4		3/4		3/4		3/4		3/4	
5	156,940	5	171,974	5	186,977	5	201,960	5		5		5		5		5		5	
1/4	157,253	1/4	172,287	1/4	187,289	1/4	202,272	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,566	1/2	172,600	1/2	187,602	1/2	202,583	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,879	3/4	172,914	3/4	187,914	3/4	202,894	3/4		3/4		3/4		3/4		3/4		3/4	
6	158,193	6	173,227	6	188,226	6	203,206	6		6		6		6		6		6	
1/4	158,506	1/4	173,540	1/4	188,538	1/4	203,515	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,819	1/2	173,853	1/2	188,850	1/2	203,824	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,132	3/4	174,166	3/4	189,162	3/4	204,133	3/4		3/4		3/4		3/4		3/4		3/4	
7	159,446	7	174,480	7	189,474	7	204,442	7		7		7		7		7		7	
1/4	159,759	1/4	174,793	1/4	189,787	1/4	204,751	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,072	1/2	175,106	1/2	190,099	1/2	205,060	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,385	3/4	175,419	3/4	190,411	3/4	205,369	3/4		3/4		3/4		3/4		3/4		3/4	
8	160,698	8	175,732	8	190,723	8	205,678	8		8		8		8		8		8	
1/4	161,012	1/4	176,046	1/4	191,035	1/4	205,988	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,325	1/2	176,359	1/2	191,347	1/2	206,297	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,638	3/4	176,672	3/4	191,659	3/4	206,606	3/4		3/4		3/4		3/4		3/4		3/4	
9	161,951	9	176,985	9	191,972	9	206,915	9		9		9		9		9		9	
1/4	162,264	1/4	177,298	1/4	192,284	1/4	207,224	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,577	1/2	177,611	1/2	192,596	1/2	207,534	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,891	3/4	177,924	3/4	192,908	3/4	207,843	3/4		3/4		3/4		3/4		3/4		3/4	
10	163,204	10	178,237	10	193,220	10	208,152	10		10		10		10		10		10	
1/4	163,517	1/4	178,549	1/4	193,532	1/4	208,461	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,830	1/2	178,861	1/2	193,844	1/2	208,770	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,144	3/4	179,174	3/4	194,157	3/4	209,079	3/4		3/4		3/4		3/4		3/4		3/4	
11	164,457	11	179,486	11	194,469	11	209,388	11		11		11		11		11		11	
1/4	164,770	1/4	179,798	1/4	194,781	1/4	209,697	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,083	1/2	180,110	1/2	195,093	1/2	210,005	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,397	3/4	180,422	3/4	195,405	3/4	210,314	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/15/2024 CL  
CALCULATED: 10/16/2024 CL  
PRINTED: 10/16/2024 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2024

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>





# BARGE "HSM 4103"

## 3 PORT INNAGE TABLE

U.S. GALLONS

GAUGE HEIGHT 15'-11 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	148,302	0	159,517	0	170,729	0	181,911	0	193,192	0		0		0		0		0	
1/4	148,534	1/4	159,751	1/4	170,962	1/4	182,144	1/4	193,421	1/4		1/4		1/4		1/4		1/4	
1/2	148,767	1/2	159,984	1/2	171,195	1/2	182,377	1/2	193,651	1/2		1/2		1/2		1/2		1/2	
3/4	149,000	3/4	160,218	3/4	171,428	3/4	182,610	3/4	193,881	3/4		3/4		3/4		3/4		3/4	
1	149,233	1	160,452	1	171,661	1	182,843	1	194,111	1		1		1		1		1	
1/4	149,467	1/4	160,686	1/4	171,894	1/4	183,076	1/4	194,309	1/4		1/4		1/4		1/4		1/4	
1/2	149,701	1/2	160,919	1/2	172,127	1/2	183,309	1/2	194,507	1/2		1/2		1/2		1/2		1/2	
3/4	149,934	3/4	161,153	3/4	172,360	3/4	183,542	3/4	194,705	3/4		3/4		3/4		3/4		3/4	
2	150,168	2	161,387	2	172,592	2	183,775	2	194,904	2		2		2		2		2	
1/4	150,402	1/4	161,621	1/4	172,825	1/4	184,008	1/4	195,050	1/4		1/4		1/4		1/4		1/4	
1/2	150,636	1/2	161,854	1/2	173,058	1/2	184,241	1/2	195,196	1/2		1/2		1/2		1/2		1/2	
3/4	150,869	3/4	162,088	3/4	173,291	3/4	184,473	3/4	195,342	3/4		3/4		3/4		3/4		3/4	
3	151,103	3	162,322	3	173,524	3	184,706	3	195,489	3		3		3		3		3	
1/4	151,337	1/4	162,555	1/4	173,757	1/4	184,939	1/4	195,583	1/4		1/4		1/4		1/4		1/4	
1/2	151,571	1/2	162,789	1/2	173,990	1/2	185,172	1/2	195,677	1/2		1/2		1/2		1/2		1/2	
3/4	151,804	3/4	163,023	3/4	174,223	3/4	185,405	3/4	195,771	3/4		3/4		3/4		3/4		3/4	
4	152,038	4	163,257	4	174,456	4	185,638	4	195,865	4		4		4		4		4	
1/4	152,272	1/4	163,490	1/4	174,689	1/4	185,871	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,505	1/2	163,724	1/2	174,922	1/2	186,104	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	152,739	3/4	163,958	3/4	175,155	3/4	186,337	3/4		3/4		3/4		3/4		3/4		3/4	
5	152,973	5	164,191	5	175,388	5	186,570	5		5		5		5		5		5	
1/4	153,207	1/4	164,425	1/4	175,621	1/4	186,803	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,440	1/2	164,659	1/2	175,854	1/2	187,036	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,674	3/4	164,893	3/4	176,087	3/4	187,269	3/4		3/4		3/4		3/4		3/4		3/4	
6	153,908	6	165,126	6	176,320	6	187,502	6		6		6		6		6		6	
1/4	154,141	1/4	165,360	1/4	176,553	1/4	187,735	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,375	1/2	165,594	1/2	176,786	1/2	187,968	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,609	3/4	165,827	3/4	177,019	3/4	188,201	3/4		3/4		3/4		3/4		3/4		3/4	
7	154,843	7	166,061	7	177,252	7	188,434	7		7		7		7		7		7	
1/4	155,076	1/4	166,295	1/4	177,485	1/4	188,668	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,310	1/2	166,529	1/2	177,718	1/2	188,903	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,544	3/4	166,762	3/4	177,951	3/4	189,137	3/4		3/4		3/4		3/4		3/4		3/4	
8	155,778	8	166,996	8	178,184	8	189,372	8		8		8		8		8		8	
1/4	156,011	1/4	167,230	1/4	178,416	1/4	189,611	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,245	1/2	167,464	1/2	178,649	1/2	189,850	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,479	3/4	167,697	3/4	178,882	3/4	190,089	3/4		3/4		3/4		3/4		3/4		3/4	
9	156,712	9	167,931	9	179,115	9	190,328	9		9		9		9		9		9	
1/4	156,946	1/4	168,165	1/4	179,348	1/4	190,567	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,180	1/2	168,398	1/2	179,581	1/2	190,806	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,414	3/4	168,632	3/4	179,814	3/4	191,045	3/4		3/4		3/4		3/4		3/4		3/4	
10	157,647	10	168,865	10	180,047	10	191,284	10		10		10		10		10		10	
1/4	157,881	1/4	169,098	1/4	180,280	1/4	191,523	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,115	1/2	169,331	1/2	180,513	1/2	191,762	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,348	3/4	169,564	3/4	180,746	3/4	192,001	3/4		3/4		3/4		3/4		3/4		3/4	
11	158,582	11	169,797	11	180,979	11	192,240	11		11		11		11		11		11	
1/4	158,816	1/4	170,030	1/4	181,212	1/4	192,478	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,050	1/2	170,263	1/2	181,445	1/2	192,716	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,283	3/4	170,496	3/4	181,678	3/4	192,954	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/15/2024 CL  
CALCULATED: 10/16/2024 CL  
PRINTED: 10/16/2024 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2024

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>





# BARGE "HSM 4103"

## 3 STBD INNAGE TABLE

U.S. GALLONS

GAUGE HEIGHT 15'-11 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	149,313	0	160,529	0	171,741	0	182,923	0	194,203	0		0		0		0		0	
1/4	149,546	1/4	160,763	1/4	171,974	1/4	183,156	1/4	194,433	1/4		1/4		1/4		1/4		1/4	
1/2	149,779	1/2	160,996	1/2	172,207	1/2	183,389	1/2	194,663	1/2		1/2		1/2		1/2		1/2	
3/4	150,012	3/4	161,230	3/4	172,440	3/4	183,622	3/4	194,893	3/4		3/4		3/4		3/4		3/4	
1	150,245	1	161,464	1	172,672	1	183,855	1	195,122	1		1		1		1		1	
1/4	150,479	1/4	161,697	1/4	172,905	1/4	184,088	1/4	195,321	1/4		1/4		1/4		1/4		1/4	
1/2	150,713	1/2	161,931	1/2	173,138	1/2	184,321	1/2	195,519	1/2		1/2		1/2		1/2		1/2	
3/4	150,946	3/4	162,165	3/4	173,371	3/4	184,553	3/4	195,717	3/4		3/4		3/4		3/4		3/4	
2	151,180	2	162,399	2	173,604	2	184,786	2	195,915	2		2		2		2		2	
1/4	151,414	1/4	162,632	1/4	173,837	1/4	185,019	1/4	196,062	1/4		1/4		1/4		1/4		1/4	
1/2	151,648	1/2	162,866	1/2	174,070	1/2	185,252	1/2	196,208	1/2		1/2		1/2		1/2		1/2	
3/4	151,881	3/4	163,100	3/4	174,303	3/4	185,485	3/4	196,354	3/4		3/4		3/4		3/4		3/4	
3	152,115	3	163,334	3	174,536	3	185,718	3	196,500	3		3		3		3		3	
1/4	152,349	1/4	163,567	1/4	174,769	1/4	185,951	1/4	196,595	1/4		1/4		1/4		1/4		1/4	
1/2	152,582	1/2	163,801	1/2	175,002	1/2	186,184	1/2	196,689	1/2		1/2		1/2		1/2		1/2	
3/4	152,816	3/4	163,035	3/4	175,235	3/4	186,417	3/4	196,783	3/4		3/4		3/4		3/4		3/4	
4	153,050	4	164,268	4	175,468	4	186,650	4	196,877	4		4		4		4		4	
1/4	153,284	1/4	164,502	1/4	175,701	1/4	186,883	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,517	1/2	164,736	1/2	175,934	1/2	187,116	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,751	3/4	164,970	3/4	176,167	3/4	187,349	3/4		3/4		3/4		3/4		3/4		3/4	
5	153,985	5	165,203	5	176,400	5	187,582	5		5		5		5		5		5	
1/4	154,218	1/4	165,437	1/4	176,633	1/4	187,815	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,452	1/2	165,671	1/2	176,866	1/2	188,048	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,686	3/4	165,904	3/4	177,099	3/4	188,281	3/4		3/4		3/4		3/4		3/4		3/4	
6	154,920	6	166,138	6	177,332	6	188,514	6		6		6		6		6		6	
1/4	155,153	1/4	166,372	1/4	177,565	1/4	188,747	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,387	1/2	166,606	1/2	177,798	1/2	188,980	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,621	3/4	166,839	3/4	178,031	3/4	189,213	3/4		3/4		3/4		3/4		3/4		3/4	
7	155,854	7	167,073	7	178,264	7	189,446	7		7		7		7		7		7	
1/4	156,088	1/4	167,307	1/4	178,496	1/4	189,680	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,322	1/2	167,541	1/2	178,729	1/2	189,915	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,556	3/4	167,774	3/4	178,962	3/4	190,149	3/4		3/4		3/4		3/4		3/4		3/4	
8	156,789	8	168,008	8	179,195	8	190,384	8		8		8		8		8		8	
1/4	157,023	1/4	168,242	1/4	179,428	1/4	190,623	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,257	1/2	168,475	1/2	179,661	1/2	190,862	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,491	3/4	168,709	3/4	179,894	3/4	191,101	3/4		3/4		3/4		3/4		3/4		3/4	
9	157,724	9	168,943	9	180,127	9	191,340	9		9		9		9		9		9	
1/4	157,958	1/4	169,176	1/4	180,360	1/4	191,579	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,192	1/2	169,410	1/2	180,593	1/2	191,818	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,425	3/4	169,643	3/4	180,826	3/4	192,057	3/4		3/4		3/4		3/4		3/4		3/4	
10	158,659	10	169,877	10	181,059	10	192,296	10		10		10		10		10		10	
1/4	158,893	1/4	170,110	1/4	181,292	1/4	192,535	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,127	1/2	170,343	1/2	181,525	1/2	192,774	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,360	3/4	170,576	3/4	181,758	3/4	193,013	3/4		3/4		3/4		3/4		3/4		3/4	
11	159,594	11	170,809	11	181,991	11	193,252	11		11		11		11		11		11	
1/4	159,828	1/4	171,042	1/4	182,224	1/4	193,490	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,061	1/2	171,275	1/2	182,457	1/2	193,727	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,295	3/4	171,508	3/4	182,690	3/4	193,965	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/15/2024 CL  
CALCULATED: 10/16/2024 CL  
PRINTED: 10/16/2024 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2024

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



# BARGE "HSM 4103"

## FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 3'-11 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	84	0	212	0	327	0		0		0		0		0		0	
1/4	1	1/4	87	1/4	214	1/4	329	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1	1/2	89	1/2	217	1/2	331	1/2	1/2	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	92	3/4	220	3/4	332	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2	1	94	1	222	1	334	1	1	1	1	1	1	1	1	1	1	1	1
1/4	3	1/4	97	1/4	225	1/4	336	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	4	1/2	99	1/2	228	1/2	338	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	5	3/4	102	3/4	230	3/4	339	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	6	2	105	2	233	2	341	2	2	2	2	2	2	2	2	2	2	2	2
1/4	8	1/4	107	1/4	236	1/4	342	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	9	1/2	110	1/2	238	1/2	344	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	10	3/4	112	3/4	241	3/4	345	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	11	3	115	3	243	3	347	3	3	3	3	3	3	3	3	3	3	3	3
1/4	13	1/4	118	1/4	246	1/4	348	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	14	1/2	120	1/2	249	1/2	350	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	16	3/4	123	3/4	251	3/4	351	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	17	4	125	4	254	4	352	4	4	4	4	4	4	4	4	4	4	4	4
1/4	19	1/4	128	1/4	256	1/4	353	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	21	1/2	131	1/2	259	1/2	354	1/2	1/2	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	133	3/4	261	3/4	355	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	24	5	136	5	264	5	356	5	5	5	5	5	5	5	5	5	5	5	5
1/4	26	1/4	139	1/4	266	1/4	357	1/4	1/4	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	141	1/2	269	1/2	357	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	30	3/4	144	3/4	271	3/4	358	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	31	6	147	6	274	6	358	6	6	6	6	6	6	6	6	6	6	6	6
1/4	33	1/4	149	1/4	276	1/4	=====	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	35	1/2	152	1/2	279	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	37	3/4	155	3/4	281	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	39	7	157	7	284	7		7	7	7	7	7	7	7	7	7	7	7	7
1/4	41	1/4	160	1/4	286	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	43	1/2	163	1/2	288	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45	3/4	166	3/4	291	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	48	8	168	8	293	8		8	8	8	8	8	8	8	8	8	8	8	8
1/4	50	1/4	171	1/4	295	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	52	1/2	174	1/2	298	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	54	3/4	176	3/4	300	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	56	9	179	9	302	9		9	9	9	9	9	9	9	9	9	9	9	9
1/4	59	1/4	182	1/4	304	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	61	1/2	185	1/2	306	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	63	3/4	187	3/4	309	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	65	10	190	10	311	10		10	10	10	10	10	10	10	10	10	10	10	10
1/4	68	1/4	193	1/4	313	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	70	1/2	195	1/2	315	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72	3/4	198	3/4	317	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	75	11	201	11	319	11		11	11	11	11	11	11	11	11	11	11	11	11
1/4	77	1/4	204	1/4	321	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80	1/2	206	1/2	323	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82	3/4	209	3/4	325	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

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

STRAPPED: 10/15/2024 CL  
 CALCULATED: 10/16/2024 CL  
 PRINTED: 10/16/2024 CL

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 10/2024

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "HSM 4103"

## PORT SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-01 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	9	0	296	0	582	0	869	0	1,156	0		0		0		0		0	
1/4	15	1/4	302	1/4	588	1/4	875	1/4	1,161	1/4		1/4		1/4		1/4		1/4	
1/2	21	1/2	308	1/2	594	1/2	881	1/2	1,167	1/2		1/2		1/2		1/2		1/2	
3/4	27	3/4	314	3/4	600	3/4	887	3/4	1,173	3/4		3/4		3/4		3/4		3/4	
1	33	1	319	1	606	1	893	1	1,179	1		1		1		1		1	
1/4	39	1/4	325	1/4	612	1/4	899	1/4	1,185	1/4		1/4		1/4		1/4		1/4	
1/2	45	1/2	331	1/2	618	1/2	905	1/2	1,191	1/2		1/2		1/2		1/2		1/2	
3/4	51	3/4	337	3/4	624	3/4	911	3/4	1,197	3/4		3/4		3/4		3/4		3/4	
2	57	2	343	2	630	2	917	2	1,203	2		2		2		2		2	
1/4	63	1/4	349	1/4	636	1/4	923	1/4	1,209	1/4		1/4		1/4		1/4		1/4	
1/2	69	1/2	355	1/2	642	1/2	929	1/2	1,215	1/2		1/2		1/2		1/2		1/2	
3/4	75	3/4	361	3/4	648	3/4	935	3/4	1,221	3/4		3/4		3/4		3/4		3/4	
3	81	3	367	3	654	3	941	3	1,227	3		3		3		3		3	
1/4	87	1/4	373	1/4	660	1/4	946	1/4	1,233	1/4		1/4		1/4		1/4		1/4	
1/2	93	1/2	379	1/2	666	1/2	952	1/2	1,239	1/2		1/2		1/2		1/2		1/2	
3/4	99	3/4	385	3/4	672	3/4	958	3/4	1,245	3/4		3/4		3/4		3/4		3/4	
4	105	4	391	4	678	4	964	4	1,251	4		4		4		4		4	
1/4	110	1/4	397	1/4	684	1/4	970	1/4	1,257	1/4		1/4		1/4		1/4		1/4	
1/2	116	1/2	403	1/2	690	1/2	976	1/2	1,263	1/2		1/2		1/2		1/2		1/2	
3/4	122	3/4	409	3/4	696	3/4	982	3/4	1,269	3/4		3/4		3/4		3/4		3/4	
5	128	5	415	5	702	5	988	5	1,275	5		5		5		5		5	
1/4	134	1/4	421	1/4	708	1/4	994	1/4	1,281	1/4		1/4		1/4		1/4		1/4	
1/2	140	1/2	427	1/2	714	1/2	1,000	1/2	1,284	1/2		1/2		1/2		1/2		1/2	
3/4	146	3/4	433	3/4	720	3/4	1,006	3/4		3/4		3/4		3/4		3/4		3/4	
6	152	6	439	6	726	6	1,012	6		6		6		6		6		6	
1/4	158	1/4	445	1/4	732	1/4	1,018	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164	1/2	451	1/2	737	1/2	1,024	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	170	3/4	457	3/4	743	3/4	1,030	3/4		3/4		3/4		3/4		3/4		3/4	
7	176	7	463	7	749	7	1,036	7		7		7		7		7		7	
1/4	182	1/4	469	1/4	755	1/4	1,042	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	188	1/2	475	1/2	761	1/2	1,048	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	194	3/4	481	3/4	767	3/4	1,054	3/4		3/4		3/4		3/4		3/4		3/4	
8	200	8	487	8	773	8	1,060	8		8		8		8		8		8	
1/4	206	1/4	493	1/4	779	1/4	1,066	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	212	1/2	499	1/2	785	1/2	1,072	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	218	3/4	505	3/4	791	3/4	1,078	3/4		3/4		3/4		3/4		3/4		3/4	
9	224	9	511	9	797	9	1,084	9		9		9		9		9		9	
1/4	230	1/4	517	1/4	803	1/4	1,090	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	236	1/2	523	1/2	809	1/2	1,096	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	242	3/4	528	3/4	815	3/4	1,102	3/4		3/4		3/4		3/4		3/4		3/4	
10	248	10	534	10	821	10	1,108	10		10		10		10		10		10	
1/4	254	1/4	540	1/4	827	1/4	1,114	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	260	1/2	546	1/2	833	1/2	1,120	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	266	3/4	552	3/4	839	3/4	1,126	3/4		3/4		3/4		3/4		3/4		3/4	
11	272	11	558	11	845	11	1,132	11		11		11		11		11		11	
1/4	278	1/4	564	1/4	851	1/4	1,138	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	284	1/2	570	1/2	857	1/2	1,144	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	290	3/4	576	3/4	863	3/4	1,150	3/4		3/4		3/4		3/4		3/4		3/4	

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

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P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "HSM 4103"

## STBD SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-01 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	9	0	296	0	582	0	869	0	1,156	0		0		0		0		0	
1/4	15	1/4	302	1/4	588	1/4	875	1/4	1,161	1/4		1/4		1/4		1/4		1/4	
1/2	21	1/2	308	1/2	594	1/2	881	1/2	1,167	1/2		1/2		1/2		1/2		1/2	
3/4	27	3/4	314	3/4	600	3/4	887	3/4	1,173	3/4		3/4		3/4		3/4		3/4	
1	33	1	319	1	606	1	893	1	1,179	1		1		1		1		1	
1/4	39	1/4	325	1/4	612	1/4	899	1/4	1,185	1/4		1/4		1/4		1/4		1/4	
1/2	45	1/2	331	1/2	618	1/2	905	1/2	1,191	1/2		1/2		1/2		1/2		1/2	
3/4	51	3/4	337	3/4	624	3/4	911	3/4	1,197	3/4		3/4		3/4		3/4		3/4	
2	57	2	343	2	630	2	917	2	1,203	2		2		2		2		2	
1/4	63	1/4	349	1/4	636	1/4	923	1/4	1,209	1/4		1/4		1/4		1/4		1/4	
1/2	69	1/2	355	1/2	642	1/2	929	1/2	1,215	1/2		1/2		1/2		1/2		1/2	
3/4	75	3/4	361	3/4	648	3/4	935	3/4	1,221	3/4		3/4		3/4		3/4		3/4	
3	81	3	367	3	654	3	941	3	1,227	3		3		3		3		3	
1/4	87	1/4	373	1/4	660	1/4	946	1/4	1,233	1/4		1/4		1/4		1/4		1/4	
1/2	93	1/2	379	1/2	666	1/2	952	1/2	1,239	1/2		1/2		1/2		1/2		1/2	
3/4	99	3/4	385	3/4	672	3/4	958	3/4	1,245	3/4		3/4		3/4		3/4		3/4	
4	105	4	391	4	678	4	964	4	1,251	4		4		4		4		4	
1/4	110	1/4	397	1/4	684	1/4	970	1/4	1,257	1/4		1/4		1/4		1/4		1/4	
1/2	116	1/2	403	1/2	690	1/2	976	1/2	1,263	1/2		1/2		1/2		1/2		1/2	
3/4	122	3/4	409	3/4	696	3/4	982	3/4	1,269	3/4		3/4		3/4		3/4		3/4	
5	128	5	415	5	702	5	988	5	1,275	5		5		5		5		5	
1/4	134	1/4	421	1/4	708	1/4	994	1/4	1,281	1/4		1/4		1/4		1/4		1/4	
1/2	140	1/2	427	1/2	714	1/2	1,000	1/2	1,284	1/2		1/2		1/2		1/2		1/2	
3/4	146	3/4	433	3/4	720	3/4	1,006	3/4		3/4		3/4		3/4		3/4		3/4	
6	152	6	439	6	726	6	1,012	6		6		6		6		6		6	
1/4	158	1/4	445	1/4	732	1/4	1,018	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164	1/2	451	1/2	737	1/2	1,024	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	170	3/4	457	3/4	743	3/4	1,030	3/4		3/4		3/4		3/4		3/4		3/4	
7	176	7	463	7	749	7	1,036	7		7		7		7		7		7	
1/4	182	1/4	469	1/4	755	1/4	1,042	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	188	1/2	475	1/2	761	1/2	1,048	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	194	3/4	481	3/4	767	3/4	1,054	3/4		3/4		3/4		3/4		3/4		3/4	
8	200	8	487	8	773	8	1,060	8		8		8		8		8		8	
1/4	206	1/4	493	1/4	779	1/4	1,066	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	212	1/2	499	1/2	785	1/2	1,072	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	218	3/4	505	3/4	791	3/4	1,078	3/4		3/4		3/4		3/4		3/4		3/4	
9	224	9	511	9	797	9	1,084	9		9		9		9		9		9	
1/4	230	1/4	517	1/4	803	1/4	1,090	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	236	1/2	523	1/2	809	1/2	1,096	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	242	3/4	528	3/4	815	3/4	1,102	3/4		3/4		3/4		3/4		3/4		3/4	
10	248	10	534	10	821	10	1,108	10		10		10		10		10		10	
1/4	254	1/4	540	1/4	827	1/4	1,114	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	260	1/2	546	1/2	833	1/2	1,120	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	266	3/4	552	3/4	839	3/4	1,126	3/4		3/4		3/4		3/4		3/4		3/4	
11	272	11	558	11	845	11	1,132	11		11		11		11		11		11	
1/4	278	1/4	564	1/4	851	1/4	1,138	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	284	1/2	570	1/2	857	1/2	1,144	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	290	3/4	576	3/4	863	3/4	1,150	3/4		3/4		3/4		3/4		3/4		3/4	

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