



# BARGE "HSM 713"

## 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	- 00-0/8	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	- 00-1/8	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	- 00-1/2	00-1/2
2 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2
3 PORT	- 00-3/8	00-3/8	- 00-3/4	00-3/4	- 01-1/8	01-1/8	- 01-1/2	01-1/2	- 01-7/8	01-7/8	- 02-1/4	02-1/4
3 STBD	- 00-3/8	00-3/8	- 00-3/4	00-3/4	- 01-1/8	01-1/8	- 01-1/2	01-1/2	- 01-7/8	01-7/8	- 02-1/4	02-1/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"  
 AFT DRAFT = 4'-00"  
 DIFF. = 2'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 240'-09"

March 19, 2019

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

<http://www.pmacorp.net>





# BARGE "HSM 713"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-05 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	3,507.41	0		0		0		0		0		0		0		0		0	
1/4	3,514.94	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,522.48	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,530.01	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	3,537.55	1		1		1		1		1		1		1		1		1	
1/4	3,545.08	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,552.61	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,560.14	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	3,567.67	2		2		2		2		2		2		2		2		2	
1/4	3,575.16	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,582.66	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,590.16	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	3,597.66	3		3		3		3		3		3		3		3		3	
1/4	3,605.16	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,612.65	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,620.15	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	3,627.65	4		4		4		4		4		4		4		4		4	
1/4	3,635.15	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,642.64	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,650.14	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	3,657.64	5		5		5		5		5		5		5		5		5	
1/4	3,665.14	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,672.64	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,680.13	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	3,687.63	6		6		6		6		6		6		6		6		6	
1/4	3,695.08	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,702.53	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,709.98	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	3,717.43	7		7		7		7		7		7		7		7		7	
1/4	3,724.46	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,731.48	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,738.51	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,745.53	8		8		8		8		8		8		8		8		8	
1/4	3,751.80	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,758.07	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,764.34	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,770.61	9		9		9		9		9		9		9		9		9	
1/4	3,776.13	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,781.64	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,787.16	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,792.67	10		10		10		10		10		10		10		10		10	
1/4	3,797.43	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,802.19	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,806.95	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,811.71	11		11		11		11		11		11		11		11		11	
1/4	3,815.72	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,819.72	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/18/2019 CL  
CALCULATED: 03/19/2019 CL  
PRINTED: 03/19/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "HSM 713"

**1 STBD  
INNAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

**GAUGE HEIGHT 11'-05 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	3,509.28	0		0		0		0		0		0		0		0		0	
1/4	3,516.81	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,524.35	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,531.88	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	3,539.42	1		1		1		1		1		1		1		1		1	
1/4	3,546.95	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,554.48	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,562.01	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	3,569.54	2		2		2		2		2		2		2		2		2	
1/4	3,577.03	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,584.53	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,592.03	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	3,599.53	3		3		3		3		3		3		3		3		3	
1/4	3,607.02	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,614.52	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,622.02	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	3,629.52	4		4		4		4		4		4		4		4		4	
1/4	3,637.02	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,644.51	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,652.01	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	3,659.51	5		5		5		5		5		5		5		5		5	
1/4	3,667.01	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,674.50	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,682.00	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	3,689.50	6		6		6		6		6		6		6		6		6	
1/4	3,696.95	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,704.40	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,711.85	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	3,719.30	7		7		7		7		7		7		7		7		7	
1/4	3,726.33	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,733.35	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,740.37	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,747.40	8		8		8		8		8		8		8		8		8	
1/4	3,753.67	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,759.94	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,766.21	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,772.48	9		9		9		9		9		9		9		9		9	
1/4	3,778.00	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,783.51	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,789.03	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,794.54	10		10		10		10		10		10		10		10		10	
1/4	3,799.30	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,804.06	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,808.82	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,813.58	11		11		11		11		11		11		11		11		11	
1/4	3,817.59	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,821.59	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

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# BARGE "HSM 713"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-05 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	3,558.46	0		0		0		0		0		0		0		0		0	
1/4	3,565.92	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,573.38	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,580.84	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	3,588.31	1		1		1		1		1		1		1		1		1	
1/4	3,595.76	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,603.22	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,610.68	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	3,618.14	2		2		2		2		2		2		2		2		2	
1/4	3,625.56	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,632.99	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,640.41	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	3,647.84	3		3		3		3		3		3		3		3		3	
1/4	3,655.26	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,662.68	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,670.11	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	3,677.53	4		4		4		4		4		4		4		4		4	
1/4	3,684.96	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,692.38	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,699.81	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	3,707.23	5		5		5		5		5		5		5		5		5	
1/4	3,714.66	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,722.08	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,729.51	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	3,736.93	6		6		6		6		6		6		6		6		6	
1/4	3,744.31	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,751.69	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,759.06	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	3,766.44	7		7		7		7		7		7		7		7		7	
1/4	3,773.40	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,780.36	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,787.32	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,794.28	8		8		8		8		8		8		8		8		8	
1/4	3,800.49	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,806.69	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,812.90	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,819.11	9		9		9		9		9		9		9		9		9	
1/4	3,824.57	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,830.04	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,835.50	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,840.96	10		10		10		10		10		10		10		10		10	
1/4	3,845.67	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,850.39	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,855.10	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,859.81	11		11		11		11		11		11		11		11		11	
1/4	3,863.78	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,867.74	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/18/2019 CL  
CALCULATED: 03/19/2019 CL  
PRINTED: 03/19/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2019

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







# BARGE "HSM 713"

**2 STBD  
INNAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

**GAUGE HEIGHT 11'-05 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	3,577.13	0		0		0		0		0		0		0		0		0	
1/4	3,584.60	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,592.06	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,599.52	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	3,606.98	1		1		1		1		1		1		1		1		1	
1/4	3,614.44	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,621.90	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,629.35	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	3,636.81	2		2		2		2		2		2		2		2		2	
1/4	3,644.24	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,651.66	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,659.09	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	3,666.51	3		3		3		3		3		3		3		3		3	
1/4	3,673.93	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,681.36	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,688.78	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	3,696.21	4		4		4		4		4		4		4		4		4	
1/4	3,703.63	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,711.06	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,718.48	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	3,725.91	5		5		5		5		5		5		5		5		5	
1/4	3,733.33	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,740.76	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,748.18	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	3,755.61	6		6		6		6		6		6		6		6		6	
1/4	3,762.98	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,770.36	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,777.74	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	3,785.12	7		7		7		7		7		7		7		7		7	
1/4	3,792.08	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,799.03	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,805.99	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,812.95	8		8		8		8		8		8		8		8		8	
1/4	3,819.16	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,825.37	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,831.58	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,837.79	9		9		9		9		9		9		9		9		9	
1/4	3,843.25	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,848.71	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,854.17	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,859.63	10		10		10		10		10		10		10		10		10	
1/4	3,864.35	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,869.06	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,873.77	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,878.49	11		11		11		11		11		11		11		11		11	
1/4	3,882.45	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,886.42	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/18/2019 CL  
CALCULATED: 03/19/2019 CL  
PRINTED: 03/19/2019 CL

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**  
P.O. Box 2092  
Pearland, Texas 77588  
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CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2019





# BARGE "HSM 713"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-05 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	3,536.78	0		0		0		0		0		0		0		0		0	
1/4	3,544.20	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,551.62	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,559.04	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	3,566.46	1		1		1		1		1		1		1		1		1	
1/4	3,573.87	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,581.29	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,588.70	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	3,596.11	2		2		2		2		2		2		2		2		2	
1/4	3,603.49	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,610.87	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,618.26	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	3,625.64	3		3		3		3		3		3		3		3		3	
1/4	3,633.02	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,640.40	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,647.78	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	3,655.16	4		4		4		4		4		4		4		4		4	
1/4	3,662.54	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,669.92	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,677.30	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	3,684.68	5		5		5		5		5		5		5		5		5	
1/4	3,692.06	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,699.44	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,706.82	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	3,714.20	6		6		6		6		6		6		6		6		6	
1/4	3,721.54	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,728.87	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,736.21	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	3,743.54	7		7		7		7		7		7		7		7		7	
1/4	3,750.46	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,757.37	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,764.28	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,771.20	8		8		8		8		8		8		8		8		8	
1/4	3,777.37	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,783.54	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,789.71	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,795.88	9		9		9		9		9		9		9		9		9	
1/4	3,801.30	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,806.73	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,812.16	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,817.58	10		10		10		10		10		10		10		10		10	
1/4	3,822.28	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,826.97	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,831.66	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,836.35	11		11		11		11		11		11		11		11		11	
1/4	3,840.30	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,844.24	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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ALL PRIOR TO 03/2019





# BARGE "HSM 713"

**3 STBD  
INNAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

**GAUGE HEIGHT 11'-05 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	3,562.18	0		0		0		0		0		0		0		0		0	
1/4	3,569.61	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,577.04	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,584.48	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	3,591.91	1		1		1		1		1		1		1		1		1	
1/4	3,599.33	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,606.76	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,614.19	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	3,621.62	2		2		2		2		2		2		2		2		2	
1/4	3,629.01	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,636.40	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,643.80	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	3,651.19	3		3		3		3		3		3		3		3		3	
1/4	3,658.59	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,665.98	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,673.37	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	3,680.77	4		4		4		4		4		4		4		4		4	
1/4	3,688.16	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,695.55	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,702.95	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	3,710.34	5		5		5		5		5		5		5		5		5	
1/4	3,717.74	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,725.13	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,732.52	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	3,739.92	6		6		6		6		6		6		6		6		6	
1/4	3,747.26	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,754.61	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,761.96	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	3,769.31	7		7		7		7		7		7		7		7		7	
1/4	3,776.23	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,783.16	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,790.09	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,797.02	8		8		8		8		8		8		8		8		8	
1/4	3,803.20	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,809.38	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,815.57	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,821.75	9		9		9		9		9		9		9		9		9	
1/4	3,827.19	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,832.63	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,838.07	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,843.51	10		10		10		10		10		10		10		10		10	
1/4	3,848.20	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,852.90	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,857.59	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,862.28	11		11		11		11		11		11		11		11		11	
1/4	3,866.23	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,870.18	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/18/2019 CL  
CALCULATED: 03/19/2019 CL  
PRINTED: 03/19/2019 CL

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

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2019



# BARGE "HSM 713"

## PORT FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-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	1,294	0	3,048	0	4,892	0	6,566	0		0		0		0		0	
1/4	16	1/4	1,328	1/4	3,086	1/4	4,929	1/4	6,596	1/4		1/4		1/4		1/4		1/4	
1/2	32	1/2	1,362	1/2	3,125	1/2	4,967	1/2	6,627	1/2		1/2		1/2		1/2		1/2	
3/4	48	3/4	1,396	3/4	3,163	3/4	5,004	3/4	6,657	3/4		3/4		3/4		3/4		3/4	
1	64	1	1,430	1	3,202	1	5,042	1	6,688	1		1		1		1		1	
1/4	84	1/4	1,465	1/4	3,240	1/4	5,079	1/4	6,717	1/4		1/4		1/4		1/4		1/4	
1/2	104	1/2	1,499	1/2	3,279	1/2	5,116	1/2	6,746	1/2		1/2		1/2		1/2		1/2	
3/4	124	3/4	1,534	3/4	3,317	3/4	5,153	3/4	6,775	3/4		3/4		3/4		3/4		3/4	
2	144	2	1,568	2	3,356	2	5,190	2	6,805	2		2		2		2		2	
1/4	167	1/4	1,604	1/4	3,395	1/4	5,227	1/4	6,833	1/4		1/4		1/4		1/4		1/4	
1/2	189	1/2	1,639	1/2	3,433	1/2	5,264	1/2	6,861	1/2		1/2		1/2		1/2		1/2	
3/4	211	3/4	1,674	3/4	3,472	3/4	5,301	3/4	6,889	3/4		3/4		3/4		3/4		3/4	
3	234	3	1,709	3	3,510	3	5,338	3	6,917	3		3		3		3		3	
1/4	258	1/4	1,745	1/4	3,549	1/4	5,374	1/4	6,944	1/4		1/4		1/4		1/4		1/4	
1/2	283	1/2	1,781	1/2	3,588	1/2	5,410	1/2	6,971	1/2		1/2		1/2		1/2		1/2	
3/4	307	3/4	1,816	3/4	3,626	3/4	5,447	3/4	6,998	3/4		3/4		3/4		3/4		3/4	
4	332	4	1,852	4	3,665	4	5,483	4	7,024	4		4		4		4		4	
1/4	358	1/4	1,888	1/4	3,704	1/4	5,519	1/4	7,050	1/4		1/4		1/4		1/4		1/4	
1/2	384	1/2	1,924	1/2	3,742	1/2	5,555	1/2	7,075	1/2		1/2		1/2		1/2		1/2	
3/4	410	3/4	1,961	3/4	3,781	3/4	5,591	3/4	7,100	3/4		3/4		3/4		3/4		3/4	
5	436	5	1,997	5	3,820	5	5,627	5	7,125	5		5		5		5		5	
1/4	463	1/4	2,033	1/4	3,858	1/4	5,662	1/4	7,149	1/4		1/4		1/4		1/4		1/4	
1/2	491	1/2	2,070	1/2	3,897	1/2	5,698	1/2	7,172	1/2		1/2		1/2		1/2		1/2	
3/4	518	3/4	2,107	3/4	3,936	3/4	5,733	3/4	7,196	3/4		3/4		3/4		3/4		3/4	
6	546	6	2,143	6	3,974	6	5,769	6	7,219	6		6		6		6		6	
1/4	575	1/4	2,180	1/4	4,013	1/4	5,804	1/4	7,241	1/4		1/4		1/4		1/4		1/4	
1/2	603	1/2	2,217	1/2	4,051	1/2	5,839	1/2	7,262	1/2		1/2		1/2		1/2		1/2	
3/4	632	3/4	2,254	3/4	4,090	3/4	5,874	3/4	7,283	3/4		3/4		3/4		3/4		3/4	
7	661	7	2,291	7	4,129	7	5,908	7	7,305	7		7		7		7		7	
1/4	691	1/4	2,329	1/4	4,167	1/4	5,943	1/4	7,323	1/4		1/4		1/4		1/4		1/4	
1/2	720	1/2	2,366	1/2	4,206	1/2	5,977	1/2	7,341	1/2		1/2		1/2		1/2		1/2	
3/4	750	3/4	2,403	3/4	4,244	3/4	6,011	3/4	7,360	3/4		3/4		3/4		3/4		3/4	
8	780	8	2,440	8	4,283	8	6,046	8	7,378	8		8		8		8		8	
1/4	811	1/4	2,478	1/4	4,321	1/4	6,079	1/4	7,393	1/4		1/4		1/4		1/4		1/4	
1/2	842	1/2	2,516	1/2	4,359	1/2	6,113	1/2	7,407	1/2		1/2		1/2		1/2		1/2	
3/4	873	3/4	2,553	3/4	4,398	3/4	6,147	3/4		3/4		3/4		3/4		3/4		3/4	
9	903	9	2,591	9	4,436	9	6,180	9		9		9		9		9		9	
1/4	935	1/4	2,629	1/4	4,474	1/4	6,213	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	967	1/2	2,667	1/2	4,512	1/2	6,246	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	999	3/4	2,705	3/4	4,551	3/4	6,279	3/4		3/4		3/4		3/4		3/4		3/4	
10	1,030	10	2,742	10	4,589	10	6,312	10		10		10		10		10		10	
1/4	1,063	1/4	2,781	1/4	4,627	1/4	6,344	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,096	1/2	2,819	1/2	4,665	1/2	6,377	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,128	3/4	2,857	3/4	4,703	3/4	6,409	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,161	11	2,895	11	4,741	11	6,441	11		11		11		11		11		11	
1/4	1,194	1/4	2,933	1/4	4,779	1/4	6,472	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,227	1/2	2,971	1/2	4,816	1/2	6,504	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,261	3/4	3,010	3/4	4,854	3/4	6,535	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  
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 10" ULLAGE HATCH

STRAPPED: 03/18/2019 CL  
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CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2019

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



# BARGE "HSM 713"

## STBD FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-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	1,294	0	3,048	0	4,892	0	6,566	0		0		0		0		0	
1/4	16	1/4	1,328	1/4	3,086	1/4	4,929	1/4	6,596	1/4		1/4		1/4		1/4		1/4	
1/2	32	1/2	1,362	1/2	3,125	1/2	4,967	1/2	6,627	1/2		1/2		1/2		1/2		1/2	
3/4	48	3/4	1,396	3/4	3,163	3/4	5,004	3/4	6,657	3/4		3/4		3/4		3/4		3/4	
1	64	1	1,430	1	3,202	1	5,042	1	6,688	1		1		1		1		1	
1/4	84	1/4	1,465	1/4	3,240	1/4	5,079	1/4	6,717	1/4		1/4		1/4		1/4		1/4	
1/2	104	1/2	1,499	1/2	3,279	1/2	5,116	1/2	6,746	1/2		1/2		1/2		1/2		1/2	
3/4	124	3/4	1,534	3/4	3,317	3/4	5,153	3/4	6,775	3/4		3/4		3/4		3/4		3/4	
2	144	2	1,568	2	3,356	2	5,190	2	6,805	2		2		2		2		2	
1/4	167	1/4	1,604	1/4	3,395	1/4	5,227	1/4	6,833	1/4		1/4		1/4		1/4		1/4	
1/2	189	1/2	1,639	1/2	3,433	1/2	5,264	1/2	6,861	1/2		1/2		1/2		1/2		1/2	
3/4	211	3/4	1,674	3/4	3,472	3/4	5,301	3/4	6,889	3/4		3/4		3/4		3/4		3/4	
3	234	3	1,709	3	3,510	3	5,338	3	6,917	3		3		3		3		3	
1/4	258	1/4	1,745	1/4	3,549	1/4	5,374	1/4	6,944	1/4		1/4		1/4		1/4		1/4	
1/2	283	1/2	1,781	1/2	3,588	1/2	5,410	1/2	6,971	1/2		1/2		1/2		1/2		1/2	
3/4	307	3/4	1,816	3/4	3,626	3/4	5,447	3/4	6,998	3/4		3/4		3/4		3/4		3/4	
4	332	4	1,852	4	3,665	4	5,483	4	7,024	4		4		4		4		4	
1/4	358	1/4	1,888	1/4	3,704	1/4	5,519	1/4	7,050	1/4		1/4		1/4		1/4		1/4	
1/2	384	1/2	1,924	1/2	3,742	1/2	5,555	1/2	7,075	1/2		1/2		1/2		1/2		1/2	
3/4	410	3/4	1,961	3/4	3,781	3/4	5,591	3/4	7,100	3/4		3/4		3/4		3/4		3/4	
5	436	5	1,997	5	3,820	5	5,627	5	7,125	5		5		5		5		5	
1/4	463	1/4	2,033	1/4	3,858	1/4	5,662	1/4	7,149	1/4		1/4		1/4		1/4		1/4	
1/2	491	1/2	2,070	1/2	3,897	1/2	5,698	1/2	7,172	1/2		1/2		1/2		1/2		1/2	
3/4	518	3/4	2,107	3/4	3,936	3/4	5,733	3/4	7,196	3/4		3/4		3/4		3/4		3/4	
6	546	6	2,143	6	3,974	6	5,769	6	7,219	6		6		6		6		6	
1/4	575	1/4	2,180	1/4	4,013	1/4	5,804	1/4	7,241	1/4		1/4		1/4		1/4		1/4	
1/2	603	1/2	2,217	1/2	4,051	1/2	5,839	1/2	7,262	1/2		1/2		1/2		1/2		1/2	
3/4	632	3/4	2,254	3/4	4,090	3/4	5,874	3/4	7,283	3/4		3/4		3/4		3/4		3/4	
7	661	7	2,291	7	4,129	7	5,908	7	7,305	7		7		7		7		7	
1/4	691	1/4	2,329	1/4	4,167	1/4	5,943	1/4	7,323	1/4		1/4		1/4		1/4		1/4	
1/2	720	1/2	2,366	1/2	4,206	1/2	5,977	1/2	7,341	1/2		1/2		1/2		1/2		1/2	
3/4	750	3/4	2,403	3/4	4,244	3/4	6,011	3/4	7,360	3/4		3/4		3/4		3/4		3/4	
8	780	8	2,440	8	4,283	8	6,046	8	7,378	8		8		8		8		8	
1/4	811	1/4	2,478	1/4	4,321	1/4	6,079	1/4	7,393	1/4		1/4		1/4		1/4		1/4	
1/2	842	1/2	2,516	1/2	4,359	1/2	6,113	1/2	7,407	1/2		1/2		1/2		1/2		1/2	
3/4	873	3/4	2,553	3/4	4,398	3/4	6,147	3/4		3/4		3/4		3/4		3/4		3/4	
9	903	9	2,591	9	4,436	9	6,180	9		9		9		9		9		9	
1/4	935	1/4	2,629	1/4	4,474	1/4	6,213	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	967	1/2	2,667	1/2	4,512	1/2	6,246	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	999	3/4	2,705	3/4	4,551	3/4	6,279	3/4		3/4		3/4		3/4		3/4		3/4	
10	1,030	10	2,742	10	4,589	10	6,312	10		10		10		10		10		10	
1/4	1,063	1/4	2,781	1/4	4,627	1/4	6,344	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,096	1/2	2,819	1/2	4,665	1/2	6,377	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,128	3/4	2,857	3/4	4,703	3/4	6,409	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,161	11	2,895	11	4,741	11	6,441	11		11		11		11		11		11	
1/4	1,194	1/4	2,933	1/4	4,779	1/4	6,472	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,227	1/2	2,971	1/2	4,816	1/2	6,504	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,261	3/4	3,010	3/4	4,854	3/4	6,535	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  
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 10" ULLAGE HATCH

STRAPPED: 03/18/2019 CL  
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CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2019

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



# BARGE "HSM 713"

## SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 4'-05 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	100	0	256	0	410	0		0		0		0		0		0	
1/4	1	1/4	103	1/4	259	1/4	412	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1	1/2	106	1/2	262	1/2	415	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	109	3/4	266	3/4	418	3/4		3/4		3/4		3/4		3/4		3/4	
1	3	1	112	1	269	1	421	1		1		1		1		1		1	
1/4	4	1/4	115	1/4	272	1/4	424	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	5	1/2	118	1/2	276	1/2	426	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	6	3/4	121	3/4	279	3/4	429	3/4		3/4		3/4		3/4		3/4		3/4	
2	7	2	124	2	283	2	432	2		2		2		2		2		2	
1/4	9	1/4	127	1/4	286	1/4	434	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	10	1/2	130	1/2	289	1/2	437	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	12	3/4	134	3/4	293	3/4	440	3/4		3/4		3/4		3/4		3/4		3/4	
3	13	3	137	3	296	3	442	3		3		3		3		3		3	
1/4	15	1/4	140	1/4	299	1/4	445	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	17	1/2	143	1/2	303	1/2	447	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	19	3/4	146	3/4	306	3/4	450	3/4		3/4		3/4		3/4		3/4		3/4	
4	20	4	149	4	309	4	452	4		4		4		4		4		4	
1/4	22	1/4	153	1/4	313	1/4	455	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	24	1/2	156	1/2	316	1/2	457	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	26	3/4	159	3/4	319	3/4	459	3/4		3/4		3/4		3/4		3/4		3/4	
5	28	5	162	5	322	5	462	5		5		5		5		5		5	
1/4	30	1/4	166	1/4	326	1/4	464	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	33	1/2	169	1/2	329	1/2	466	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	35	3/4	172	3/4	332	3/4	468	3/4		3/4		3/4		3/4		3/4		3/4	
6	37	6	175	6	335	6	471	6		6		6		6		6		6	
1/4	39	1/4	179	1/4	339	1/4	473	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	42	1/2	182	1/2	342	1/2	475	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	44	3/4	185	3/4	345	3/4	477	3/4		3/4		3/4		3/4		3/4		3/4	
7	46	7	188	7	348	7	479	7		7		7		7		7		7	
1/4	49	1/4	192	1/4	352	1/4	480	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	51	1/2	195	1/2	355	1/2	482	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	54	3/4	198	3/4	358	3/4	484	3/4		3/4		3/4		3/4		3/4		3/4	
8	56	8	202	8	361	8	486	8		8		8		8		8		8	
1/4	59	1/4	205	1/4	364	1/4	488	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	61	1/2	208	1/2	367	1/2	489	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	64	3/4	212	3/4	371	3/4	491	3/4		3/4		3/4		3/4		3/4		3/4	
9	67	9	215	9	374	9	492	9		9		9		9		9		9	
1/4	69	1/4	218	1/4	377	1/4	494	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	72	1/2	222	1/2	380	1/2	495	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	75	3/4	225	3/4	383	3/4	496	3/4		3/4		3/4		3/4		3/4		3/4	
10	77	10	229	10	386	10	497	10		10		10		10		10		10	
1/4	80	1/4	232	1/4	389	1/4	498	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	83	1/2	235	1/2	392	1/2	499	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	86	3/4	239	3/4	395	3/4	500	3/4		3/4		3/4		3/4		3/4		3/4	
11	89	11	242	11	398	11	501	11		11		11		11		11		11	
1/4	91	1/4	245	1/4	401	1/4	501	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	94	1/2	249	1/2	404	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	97	3/4	252	3/4	407	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  
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER PIPE

STRAPPED: 03/18/2019 CL  
CALCULATED: 03/19/2019 CL  
PRINTED: 03/19/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2019

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