



BARGE "HSM 712"

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 7, 2019

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

<http://www.pmacorp.net>



BARGE "HSM 712"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-05 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	17.61	0	298.43	0	619.27	0	975.14	0	1,336.87	0	1,699.44	0	2,062.27	0	2,425.33	0	2,788.39	0	3,151.15
1/4	21.07	1/4	304.97	1/4	626.48	1/4	982.65	1/4	1,344.43	1/4	1,706.97	1/4	2,069.83	1/4	2,432.89	1/4	2,795.96	1/4	3,158.70
1/2	24.54	1/2	311.51	1/2	633.68	1/2	990.15	1/2	1,352.00	1/2	1,714.50	1/2	2,077.39	1/2	2,440.46	1/2	2,803.52	1/2	3,166.25
3/4	28.01	3/4	318.05	3/4	640.89	3/4	997.65	3/4	1,359.56	3/4	1,722.04	3/4	2,084.96	3/4	2,448.02	3/4	2,811.08	3/4	3,173.79
1	31.47	1	324.59	1	648.09	1	1,005.15	1	1,367.13	1	1,729.57	1	2,092.52	1	2,455.58	1	2,818.65	1	3,181.34
1/4	36.55	1/4	331.18	1/4	655.35	1/4	1,012.66	1/4	1,374.69	1/4	1,737.11	1/4	2,100.09	1/4	2,463.15	1/4	2,826.21	1/4	3,188.89
1/2	41.63	1/2	337.78	1/2	662.61	1/2	1,020.17	1/2	1,382.26	1/2	1,744.64	1/2	2,107.65	1/2	2,470.71	1/2	2,833.77	1/2	3,196.44
3/4	46.71	3/4	344.37	3/4	669.87	3/4	1,027.67	3/4	1,389.82	3/4	1,752.18	3/4	2,115.21	3/4	2,478.28	3/4	2,841.34	3/4	3,203.99
2	51.79	2	350.97	2	677.13	2	1,035.18	2	1,397.38	2	1,759.72	2	2,122.78	2	2,485.84	2	2,848.90	2	3,211.54
1/4	57.57	1/4	357.62	1/4	684.45	1/4	1,042.69	1/4	1,404.95	1/4	1,767.28	1/4	2,130.34	1/4	2,493.40	1/4	2,856.47	1/4	3,219.09
1/2	63.34	1/2	364.27	1/2	691.76	1/2	1,050.19	1/2	1,412.51	1/2	1,774.84	1/2	2,137.91	1/2	2,500.97	1/2	2,864.03	1/2	3,226.63
3/4	69.12	3/4	370.92	3/4	699.08	3/4	1,057.70	3/4	1,420.08	3/4	1,782.41	3/4	2,145.47	3/4	2,508.53	3/4	2,871.59	3/4	3,234.18
3	74.90	3	377.57	3	706.39	3	1,065.21	3	1,427.64	3	1,789.97	3	2,153.03	3	2,516.10	3	2,879.16	3	3,241.73
1/4	80.64	1/4	384.26	1/4	713.76	1/4	1,072.72	1/4	1,435.21	1/4	1,797.53	1/4	2,160.60	1/4	2,523.66	1/4	2,886.72	1/4	3,249.28
1/2	86.38	1/2	390.94	1/2	721.13	1/2	1,080.23	1/2	1,442.77	1/2	1,805.10	1/2	2,168.16	1/2	2,531.22	1/2	2,894.29	1/2	3,256.83
3/4	92.11	3/4	397.63	3/4	728.50	3/4	1,087.74	3/4	1,450.34	3/4	1,812.66	3/4	2,175.72	3/4	2,538.79	3/4	2,901.85	3/4	3,264.38
4	97.85	4	404.32	4	735.87	4	1,095.26	4	1,457.90	4	1,820.23	4	2,183.29	4	2,546.35	4	2,909.41	4	3,271.92
1/4	103.81	1/4	410.90	1/4	743.29	1/4	1,102.77	1/4	1,465.47	1/4	1,827.79	1/4	2,190.85	1/4	2,553.91	1/4	2,916.98	1/4	3,279.47
1/2	109.76	1/2	417.48	1/2	750.71	1/2	1,110.28	1/2	1,473.03	1/2	1,835.35	1/2	2,198.42	1/2	2,561.48	1/2	2,924.54	1/2	3,287.02
3/4	115.72	3/4	424.06	3/4	758.13	3/4	1,117.80	3/4	1,480.59	3/4	1,842.92	3/4	2,205.98	3/4	2,569.04	3/4	2,932.10	3/4	3,294.57
5	121.68	5	430.64	5	765.55	5	1,125.31	5	1,488.16	5	1,850.48	5	2,213.54	5	2,576.61	5	2,939.67	5	3,302.12
1/4	127.82	1/4	437.14	1/4	772.96	1/4	1,132.84	1/4	1,495.72	1/4	1,858.04	1/4	2,221.11	1/4	2,584.17	1/4	2,947.23	1/4	3,309.67
1/2	133.97	1/2	443.64	1/2	780.38	1/2	1,140.38	1/2	1,503.29	1/2	1,865.61	1/2	2,228.67	1/2	2,591.73	1/2	2,954.80	1/2	3,317.22
3/4	140.11	3/4	450.14	3/4	787.80	3/4	1,147.91	3/4	1,510.85	3/4	1,873.17	3/4	2,236.23	3/4	2,599.30	3/4	2,962.36	3/4	3,324.76
6	146.26	6	456.63	6	795.22	6	1,155.44	6	1,518.42	6	1,880.74	6	2,243.80	6	2,606.86	6	2,969.92	6	3,332.31
1/4	152.46	1/4	463.19	1/4	802.69	1/4	1,162.97	1/4	1,525.98	1/4	1,888.30	1/4	2,251.36	1/4	2,614.42	1/4	2,977.49	1/4	3,339.86
1/2	158.66	1/2	469.74	1/2	810.17	1/2	1,170.51	1/2	1,533.55	1/2	1,895.86	1/2	2,258.93	1/2	2,621.99	1/2	2,985.05	1/2	3,347.41
3/4	164.86	3/4	476.29	3/4	817.64	3/4	1,178.04	3/4	1,541.11	3/4	1,903.43	3/4	2,266.49	3/4	2,629.55	3/4	2,992.61	3/4	3,354.96
7	171.06	7	482.85	7	825.11	7	1,185.58	7	1,548.67	7	1,910.99	7	2,274.05	7	2,637.12	7	3,000.18	7	3,362.51
1/4	177.32	1/4	489.45	1/4	832.61	1/4	1,193.14	1/4	1,556.24	1/4	1,918.56	1/4	2,281.62	1/4	2,644.68	1/4	3,007.73	1/4	3,370.06
1/2	183.58	1/2	496.06	1/2	840.11	1/2	1,200.71	1/2	1,563.80	1/2	1,926.12	1/2	2,289.18	1/2	2,652.24	1/2	3,015.28	1/2	3,377.60
3/4	189.83	3/4	502.67	3/4	847.61	3/4	1,208.27	3/4	1,571.36	3/4	1,933.68	3/4	2,296.75	3/4	2,659.81	3/4	3,022.82	3/4	3,385.15
8	196.09	8	509.28	8	855.11	8	1,215.84	8	1,578.92	8	1,941.25	8	2,304.31	8	2,667.37	8	3,030.37	8	3,392.70
1/4	202.40	1/4	515.94	1/4	862.61	1/4	1,223.40	1/4	1,586.45	1/4	1,948.81	1/4	2,311.87	1/4	2,674.94	1/4	3,037.92	1/4	3,400.25
1/2	208.71	1/2	522.61	1/2	870.11	1/2	1,230.97	1/2	1,593.98	1/2	1,956.37	1/2	2,319.44	1/2	2,682.50	1/2	3,045.47	1/2	3,407.80
3/4	215.03	3/4	529.27	3/4	877.61	3/4	1,238.53	3/4	1,601.52	3/4	1,963.94	3/4	2,327.00	3/4	2,690.06	3/4	3,053.02	3/4	3,415.35
9	221.34	9	535.93	9	885.12	9	1,246.09	9	1,609.05	9	1,971.50	9	2,334.56	9	2,697.63	9	3,060.57	9	3,422.89
1/4	227.71	1/4	542.67	1/4	892.62	1/4	1,253.66	1/4	1,616.58	1/4	1,979.07	1/4	2,342.13	1/4	2,705.19	1/4	3,068.12	1/4	3,430.44
1/2	234.07	1/2	549.41	1/2	900.12	1/2	1,261.22	1/2	1,624.11	1/2	1,986.63	1/2	2,349.69	1/2	2,712.75	1/2	3,075.66	1/2	3,437.99
3/4	240.44	3/4	556.15	3/4	907.62	3/4	1,268.79	3/4	1,631.65	3/4	1,994.19	3/4	2,357.26	3/4	2,720.32	3/4	3,083.21	3/4	3,445.54
10	246.81	10	562.89	10	915.12	10	1,276.35	10	1,639.18	10	2,001.76	10	2,364.82	10	2,727.88	10	3,090.76	10	3,453.09
1/4	253.23	1/4	569.84	1/4	922.63	1/4	1,283.92	1/4	1,646.71	1/4	2,009.32	1/4	2,372.38	1/4	2,735.45	1/4	3,098.31	1/4	3,460.64
1/2	259.65	1/2	576.79	1/2	930.13	1/2	1,291.48	1/2	1,654.24	1/2	2,016.88	1/2	2,379.95	1/2	2,743.01	1/2	3,105.86	1/2	3,468.19
3/4	266.08	3/4	583.74	3/4	937.63	3/4	1,299.05	3/4	1,661.78	3/4	2,024.45	3/4	2,387.51	3/4	2,750.57	3/4	3,113.41	3/4	3,475.73
11	272.50	11	590.69	11	945.13	11	1,306.61	11	1,669.31	11	2,032.01	11	2,395.07	11	2,758.14	11	3,120.95	11	3,483.28
1/4	278.98	1/4	597.84	1/4	952.64	1/4	1,314.18	1/4	1,676.84	1/4	2,039.58	1/4	2,402.64	1/4	2,765.70	1/4	3,128.50	1/4	3,490.83
1/2	285.46	1/2	604.98	1/2	960.14	1/2	1,321.74	1/2	1,684.37	1/2	2,047.14	1/2	2,410.20	1/2	2,773.26	1/2	3,136.05	1/2	3,498.38
3/4	291.94	3/4	612.13	3/4	967.64	3/4	1,329.30	3/4	1,691.91	3/4	2,054.70	3/4	2,417.77	3/4	2,780.83	3/4	3,143.60	3/4	3,505.93

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 UNDERSIDE OF DECK AT GAUGE POINT.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN WITH 8" ULLAGE HATCH
 GAUGE POINT: (8" ULLAGE HATCH) LOCATED 12'-09" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

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





BARGE "HSM 712"

1 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	3,513.48	0		0		0		0		0		0		0		0		0	
1/4	3,521.03	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,528.57	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,536.12	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	3,543.67	1		1		1		1		1		1		1		1		1	
1/4	3,551.21	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,558.76	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,566.30	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	3,573.84	2		2		2		2		2		2		2		2		2	
1/4	3,581.35	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,588.87	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,596.38	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	3,603.89	3		3		3		3		3		3		3		3		3	
1/4	3,611.40	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,618.91	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,626.42	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	3,633.93	4		4		4		4		4		4		4		4		4	
1/4	3,641.44	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,648.95	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,656.46	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	3,663.97	5		5		5		5		5		5		5		5		5	
1/4	3,671.48	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,678.99	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,686.50	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	3,694.02	6		6		6		6		6		6		6		6		6	
1/4	3,701.48	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,708.94	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,716.41	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	3,723.87	7		7		7		7		7		7		7		7		7	
1/4	3,730.91	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,737.94	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,744.98	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,752.02	8		8		8		8		8		8		8		8		8	
1/4	3,758.30	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,764.58	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,770.86	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,777.14	9		9		9		9		9		9		9		9		9	
1/4	3,782.67	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,788.19	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,793.72	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,799.24	10		10		10		10		10		10		10		10		10	
1/4	3,804.01	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,808.78	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,813.55	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,818.31	11		11		11		11		11		11		11		11		11	
1/4	3,822.33	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,826.34	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: 03/06/2019 CL
CALCULATED: 03/07/2019 CL
PRINTED: 03/07/2019

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 712"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-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	17.61	0	298.43	0	619.27	0	976.10	0	1,338.74	0	1,701.31	0	2,064.14	0	2,427.21	0	2,790.28	0	3,153.02
1/4	21.07	1/4	304.97	1/4	626.48	1/4	983.63	1/4	1,346.31	1/4	1,708.84	1/4	2,071.71	1/4	2,434.77	1/4	2,797.84	1/4	3,160.57
1/2	24.54	1/2	311.51	1/2	633.68	1/2	991.17	1/2	1,353.87	1/2	1,716.38	1/2	2,079.27	1/2	2,442.34	1/2	2,805.41	1/2	3,168.12
3/4	28.01	3/4	318.05	3/4	640.89	3/4	998.70	3/4	1,361.43	3/4	1,723.91	3/4	2,086.83	3/4	2,449.90	3/4	2,812.97	3/4	3,175.67
1	31.47	1	324.59	1	648.09	1	1,006.24	1	1,369.00	1	1,731.44	1	2,094.40	1	2,457.47	1	2,820.53	1	3,183.21
1/4	36.55	1/4	331.18	1/4	655.35	1/4	1,013.78	1/4	1,376.56	1/4	1,738.98	1/4	2,101.96	1/4	2,465.03	1/4	2,828.10	1/4	3,190.76
1/2	41.63	1/2	337.78	1/2	662.61	1/2	1,021.32	1/2	1,384.13	1/2	1,746.51	1/2	2,109.53	1/2	2,472.59	1/2	2,835.66	1/2	3,198.31
3/4	46.71	3/4	344.37	3/4	669.87	3/4	1,028.86	3/4	1,391.69	3/4	1,754.05	3/4	2,117.09	3/4	2,480.16	3/4	2,843.22	3/4	3,205.86
2	51.79	2	350.97	2	677.13	2	1,036.40	2	1,399.26	2	1,761.59	2	2,124.65	2	2,487.72	2	2,850.79	2	3,213.41
1/4	57.57	1/4	357.62	1/4	684.45	1/4	1,043.94	1/4	1,406.82	1/4	1,769.15	1/4	2,132.22	1/4	2,495.29	1/4	2,858.35	1/4	3,220.96
1/2	63.34	1/2	364.27	1/2	691.76	1/2	1,051.48	1/2	1,414.39	1/2	1,776.71	1/2	2,139.78	1/2	2,502.85	1/2	2,865.92	1/2	3,228.51
3/4	69.12	3/4	370.92	3/4	699.08	3/4	1,059.02	3/4	1,421.95	3/4	1,784.28	3/4	2,147.35	3/4	2,510.41	3/4	2,873.48	3/4	3,236.05
3	74.90	3	377.57	3	706.39	3	1,066.56	3	1,429.51	3	1,791.84	3	2,154.91	3	2,517.98	3	2,881.04	3	3,243.60
1/4	80.64	1/4	384.26	1/4	713.76	1/4	1,074.11	1/4	1,437.08	1/4	1,799.41	1/4	2,162.47	1/4	2,525.54	1/4	2,888.61	1/4	3,251.15
1/2	86.38	1/2	390.94	1/2	721.13	1/2	1,081.65	1/2	1,444.64	1/2	1,806.97	1/2	2,170.04	1/2	2,533.10	1/2	2,896.17	1/2	3,258.70
3/4	92.11	3/4	397.63	3/4	728.50	3/4	1,089.20	3/4	1,452.21	3/4	1,814.53	3/4	2,177.60	3/4	2,540.67	3/4	2,903.74	3/4	3,266.25
4	97.85	4	404.32	4	735.87	4	1,096.74	4	1,459.77	4	1,822.10	4	2,185.17	4	2,548.23	4	2,911.30	4	3,273.80
1/4	103.81	1/4	410.90	1/4	743.30	1/4	1,104.29	1/4	1,467.34	1/4	1,829.66	1/4	2,192.73	1/4	2,555.80	1/4	2,918.86	1/4	3,281.35
1/2	109.76	1/2	417.48	1/2	750.72	1/2	1,111.84	1/2	1,474.90	1/2	1,837.23	1/2	2,200.29	1/2	2,563.36	1/2	2,926.43	1/2	3,288.89
3/4	115.72	3/4	424.06	3/4	758.14	3/4	1,119.39	3/4	1,482.47	3/4	1,844.79	3/4	2,207.86	3/4	2,570.92	3/4	2,933.99	3/4	3,296.44
5	121.68	5	430.64	5	765.56	5	1,126.93	5	1,490.03	5	1,852.35	5	2,215.42	5	2,578.49	5	2,941.56	5	3,303.99
1/4	127.82	1/4	437.14	1/4	773.01	1/4	1,134.50	1/4	1,497.60	1/4	1,859.92	1/4	2,222.98	1/4	2,586.05	1/4	2,949.12	1/4	3,311.54
1/2	133.97	1/2	443.64	1/2	780.47	1/2	1,142.06	1/2	1,505.16	1/2	1,867.48	1/2	2,230.55	1/2	2,593.62	1/2	2,956.68	1/2	3,319.09
3/4	140.11	3/4	450.14	3/4	787.92	3/4	1,149.63	3/4	1,512.72	3/4	1,875.05	3/4	2,238.11	3/4	2,601.18	3/4	2,964.25	3/4	3,326.64
6	146.26	6	456.63	6	795.37	6	1,157.19	6	1,520.29	6	1,882.61	6	2,245.68	6	2,608.74	6	2,971.81	6	3,334.18
1/4	152.46	1/4	463.19	1/4	802.88	1/4	1,164.76	1/4	1,527.85	1/4	1,890.17	1/4	2,253.24	1/4	2,616.31	1/4	2,979.37	1/4	3,341.73
1/2	158.66	1/2	469.74	1/2	810.38	1/2	1,172.32	1/2	1,535.42	1/2	1,897.74	1/2	2,260.80	1/2	2,623.87	1/2	2,986.93	1/2	3,349.28
3/4	164.86	3/4	476.29	3/4	817.89	3/4	1,179.89	3/4	1,542.98	3/4	1,905.30	3/4	2,268.37	3/4	2,631.44	3/4	2,994.49	3/4	3,356.83
7	171.06	7	482.85	7	825.39	7	1,187.45	7	1,550.55	7	1,912.86	7	2,275.93	7	2,639.00	7	3,002.05	7	3,364.38
1/4	177.32	1/4	489.45	1/4	832.93	1/4	1,195.02	1/4	1,558.11	1/4	1,920.43	1/4	2,283.50	1/4	2,646.56	1/4	3,009.60	1/4	3,371.93
1/2	183.58	1/2	496.06	1/2	840.46	1/2	1,202.58	1/2	1,565.67	1/2	1,927.99	1/2	2,291.06	1/2	2,654.13	1/2	3,017.15	1/2	3,379.48
3/4	189.83	3/4	502.67	3/4	847.99	3/4	1,210.14	3/4	1,573.23	3/4	1,935.56	3/4	2,298.62	3/4	2,661.69	3/4	3,024.70	3/4	3,387.02
8	196.09	8	509.28	8	855.52	8	1,217.71	8	1,580.79	8	1,943.12	8	2,306.19	8	2,669.25	8	3,032.24	8	3,394.57
1/4	202.40	1/4	515.94	1/4	863.06	1/4	1,225.27	1/4	1,588.32	1/4	1,950.68	1/4	2,313.75	1/4	2,676.82	1/4	3,039.79	1/4	3,402.12
1/2	208.71	1/2	522.61	1/2	870.60	1/2	1,232.84	1/2	1,595.86	1/2	1,958.25	1/2	2,321.32	1/2	2,684.38	1/2	3,047.34	1/2	3,409.67
3/4	215.03	3/4	529.27	3/4	878.13	3/4	1,240.40	3/4	1,603.39	3/4	1,965.81	3/4	2,328.88	3/4	2,691.95	3/4	3,054.89	3/4	3,417.22
9	221.34	9	535.93	9	885.67	9	1,247.97	9	1,610.92	9	1,973.38	9	2,336.44	9	2,699.51	9	3,062.44	9	3,424.77
1/4	227.71	1/4	542.67	1/4	893.20	1/4	1,255.53	1/4	1,618.45	1/4	1,980.94	1/4	2,344.01	1/4	2,707.07	1/4	3,069.99	1/4	3,432.32
1/2	234.07	1/2	549.41	1/2	900.74	1/2	1,263.10	1/2	1,625.99	1/2	1,988.50	1/2	2,351.57	1/2	2,714.64	1/2	3,077.54	1/2	3,439.86
3/4	240.44	3/4	556.15	3/4	908.27	3/4	1,270.66	3/4	1,633.52	3/4	1,996.07	3/4	2,359.14	3/4	2,722.20	3/4	3,085.08	3/4	3,447.41
10	246.81	10	562.89	10	915.81	10	1,278.22	10	1,641.05	10	2,003.63	10	2,366.70	10	2,729.77	10	3,092.63	10	3,454.96
1/4	253.23	1/4	569.84	1/4	923.35	1/4	1,285.79	1/4	1,648.58	1/4	2,011.20	1/4	2,374.26	1/4	2,737.33	1/4	3,100.18	1/4	3,462.51
1/2	259.65	1/2	576.79	1/2	930.88	1/2	1,293.35	1/2	1,656.12	1/2	2,018.76	1/2	2,381.83	1/2	2,744.89	1/2	3,107.73	1/2	3,470.06
3/4	266.08	3/4	583.74	3/4	938.42	3/4	1,300.92	3/4	1,663.65	3/4	2,026.32	3/4	2,389.39	3/4	2,752.46	3/4	3,115.28	3/4	3,477.61
11	272.50	11	590.69	11	945.95	11	1,308.48	11	1,671.18	11	2,033.89	11	2,396.95	11	2,760.02	11	3,122.83	11	3,485.15
1/4	278.98	1/4	597.84	1/4	953.49	1/4	1,316.05	1/4	1,678.71	1/4	2,041.45	1/4	2,404.52	1/4	2,767.59	1/4	3,130.38	1/4	3,492.70
1/2	285.46	1/2	604.98	1/2	961.03	1/2	1,323.61	1/2	1,686.25	1/2	2,049.02	1/2	2,412.08	1/2	2,775.15	1/2	3,137.92	1/2	3,500.25
3/4	291.94	3/4	612.13	3/4	968.56	3/4	1,331.18	3/4	1,693.78	3/4	2,056.58	3/4	2,419.65	3/4	2,782.71	3/4	3,145.47	3/4	3,507.80

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 UNDERSIDE OF DECK AT GAUGE POINT.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN WITH 8" ULLAGE HATCH
 GAUGE POINT: (8" ULLAGE HATCH) LOCATED 12'-09" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

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BARGE "HSM 712"

**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	3,515.35	0		0		0		0		0		0		0		0		0	
1/4	3,522.90	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,530.45	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,537.99	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	3,545.54	1		1		1		1		1		1		1		1		1	
1/4	3,553.09	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,560.63	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,568.17	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	3,575.72	2		2		2		2		2		2		2		2		2	
1/4	3,583.23	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,590.74	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,598.25	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	3,605.76	3		3		3		3		3		3		3		3		3	
1/4	3,613.27	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,620.78	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,628.29	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	3,635.80	4		4		4		4		4		4		4		4		4	
1/4	3,643.31	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,650.82	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,658.33	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	3,665.84	5		5		5		5		5		5		5		5		5	
1/4	3,673.35	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,680.87	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,688.38	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	3,695.89	6		6		6		6		6		6		6		6		6	
1/4	3,703.35	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,710.81	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,718.28	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	3,725.74	7		7		7		7		7		7		7		7		7	
1/4	3,732.78	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,739.81	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,746.85	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,753.89	8		8		8		8		8		8		8		8		8	
1/4	3,760.17	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,766.45	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,772.73	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,779.01	9		9		9		9		9		9		9		9		9	
1/4	3,784.54	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,790.06	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,795.59	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,801.11	10		10		10		10		10		10		10		10		10	
1/4	3,805.88	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,810.65	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,815.42	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,820.19	11		11		11		11		11		11		11		11		11	
1/4	3,824.20	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,828.21	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: 03/06/2019 CL
CALCULATED: 03/07/2019 CL
PRINTED: 03/07/2019

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 712"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-05 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	18.13	0	360.35	0	711.30	0	1,059.64	0	1,408.69	0	1,764.59	0	2,121.97	0	2,480.60	0	2,839.23	0	3,197.55
1/4	23.04	1/4	367.82	1/4	718.78	1/4	1,066.75	1/4	1,416.16	1/4	1,771.90	1/4	2,129.45	1/4	2,488.07	1/4	2,846.70	1/4	3,205.00
1/2	27.94	1/2	375.29	1/2	726.25	1/2	1,073.86	1/2	1,423.63	1/2	1,779.20	1/2	2,136.92	1/2	2,495.54	1/2	2,854.17	1/2	3,212.46
3/4	32.84	3/4	382.77	3/4	733.72	3/4	1,080.98	3/4	1,431.11	3/4	1,786.51	3/4	2,144.39	3/4	2,503.02	3/4	2,861.64	3/4	3,219.91
1	37.75	1	390.24	1	741.19	1	1,088.09	1	1,438.58	1	1,793.81	1	2,151.86	1	2,510.49	1	2,869.11	1	3,227.37
1/4	44.38	1/4	397.71	1/4	748.66	1/4	1,095.20	1/4	1,446.05	1/4	1,801.14	1/4	2,159.33	1/4	2,517.96	1/4	2,876.59	1/4	3,234.83
1/2	51.01	1/2	405.18	1/2	756.14	1/2	1,102.31	1/2	1,453.52	1/2	1,808.47	1/2	2,166.80	1/2	2,525.43	1/2	2,884.06	1/2	3,242.28
3/4	57.64	3/4	412.65	3/4	763.61	3/4	1,109.43	3/4	1,460.99	3/4	1,815.79	3/4	2,174.27	3/4	2,532.90	3/4	2,891.53	3/4	3,249.74
2	64.27	2	420.13	2	771.08	2	1,116.54	2	1,468.47	2	1,823.12	2	2,181.75	2	2,540.37	2	2,899.00	2	3,257.20
1/4	71.53	1/4	427.60	1/4	778.55	1/4	1,123.66	1/4	1,475.94	1/4	1,830.59	1/4	2,189.22	1/4	2,547.84	1/4	2,906.47	1/4	3,264.65
1/2	78.79	1/2	435.07	1/2	786.02	1/2	1,130.77	1/2	1,483.41	1/2	1,838.06	1/2	2,196.69	1/2	2,555.32	1/2	2,913.94	1/2	3,272.11
3/4	86.05	3/4	442.54	3/4	793.49	3/4	1,137.89	3/4	1,490.88	3/4	1,845.53	3/4	2,204.16	3/4	2,562.79	3/4	2,921.41	3/4	3,279.56
3	93.32	3	450.01	3	800.97	3	1,145.00	3	1,498.35	3	1,853.00	3	2,211.63	3	2,570.26	3	2,928.89	3	3,287.02
1/4	100.49	1/4	457.46	1/4	808.44	1/4	1,152.12	1/4	1,505.83	1/4	1,860.48	1/4	2,219.10	1/4	2,577.73	1/4	2,936.36	1/4	3,294.48
1/2	107.66	1/2	464.92	1/2	815.91	1/2	1,159.24	1/2	1,513.30	1/2	1,867.95	1/2	2,226.57	1/2	2,585.20	1/2	2,943.83	1/2	3,301.93
3/4	114.82	3/4	472.37	3/4	823.38	3/4	1,166.36	3/4	1,520.77	3/4	1,875.42	3/4	2,234.05	3/4	2,592.67	3/4	2,951.30	3/4	3,309.39
4	121.99	4	479.82	4	830.85	4	1,173.48	4	1,528.24	4	1,882.89	4	2,241.52	4	2,600.14	4	2,958.77	4	3,316.84
1/4	129.32	1/4	487.11	1/4	838.28	1/4	1,180.60	1/4	1,535.71	1/4	1,890.36	1/4	2,248.99	1/4	2,607.62	1/4	2,966.24	1/4	3,324.30
1/2	136.65	1/2	494.40	1/2	845.71	1/2	1,187.72	1/2	1,543.19	1/2	1,897.83	1/2	2,256.46	1/2	2,615.09	1/2	2,973.71	1/2	3,331.76
3/4	143.98	3/4	501.70	3/4	853.13	3/4	1,194.85	3/4	1,550.66	3/4	1,905.30	3/4	2,263.93	3/4	2,622.56	3/4	2,981.19	3/4	3,339.21
5	151.31	5	508.99	5	860.56	5	1,201.97	5	1,558.13	5	1,912.78	5	2,271.40	5	2,630.03	5	2,988.66	5	3,346.67
1/4	158.78	1/4	516.14	1/4	867.67	1/4	1,209.11	1/4	1,565.60	1/4	1,920.25	1/4	2,278.87	1/4	2,637.50	1/4	2,996.13	1/4	3,354.12
1/2	166.24	1/2	523.29	1/2	874.78	1/2	1,216.25	1/2	1,573.08	1/2	1,927.72	1/2	2,286.35	1/2	2,644.97	1/2	3,003.60	1/2	3,361.58
3/4	173.71	3/4	530.45	3/4	881.89	3/4	1,223.39	3/4	1,580.55	3/4	1,935.19	3/4	2,293.82	3/4	2,652.44	3/4	3,011.07	3/4	3,369.04
6	181.17	6	537.60	6	889.00	6	1,230.52	6	1,588.02	6	1,942.66	6	2,301.29	6	2,659.92	6	3,018.54	6	3,376.49
1/4	188.64	1/4	544.75	1/4	896.11	1/4	1,237.71	1/4	1,595.49	1/4	1,950.13	1/4	2,308.76	1/4	2,667.39	1/4	3,026.01	1/4	3,383.95
1/2	196.10	1/2	551.90	1/2	903.22	1/2	1,244.89	1/2	1,602.96	1/2	1,957.60	1/2	2,316.23	1/2	2,674.86	1/2	3,033.48	1/2	3,391.40
3/4	203.57	3/4	559.06	3/4	910.33	3/4	1,252.07	3/4	1,610.44	3/4	1,965.07	3/4	2,323.70	3/4	2,682.33	3/4	3,040.95	3/4	3,398.86
7	211.03	7	566.21	7	917.44	7	1,259.25	7	1,617.91	7	1,972.55	7	2,331.17	7	2,689.80	7	3,048.42	7	3,406.32
1/4	218.50	1/4	573.36	1/4	924.55	1/4	1,266.72	1/4	1,625.36	1/4	1,980.02	1/4	2,338.64	1/4	2,697.27	1/4	3,055.88	1/4	3,413.77
1/2	225.96	1/2	580.51	1/2	931.66	1/2	1,274.19	1/2	1,632.81	1/2	1,987.49	1/2	2,346.12	1/2	2,704.74	1/2	3,063.34	1/2	3,421.23
3/4	233.43	3/4	587.66	3/4	938.77	3/4	1,281.66	3/4	1,640.26	3/4	1,994.96	3/4	2,353.59	3/4	2,712.21	3/4	3,070.79	3/4	3,428.69
8	240.89	8	594.82	8	945.88	8	1,289.14	8	1,647.71	8	2,002.43	8	2,361.06	8	2,719.69	8	3,078.25	8	3,436.14
1/4	248.36	1/4	601.97	1/4	952.99	1/4	1,296.61	1/4	1,655.02	1/4	2,009.90	1/4	2,368.53	1/4	2,727.16	1/4	3,085.70	1/4	3,443.60
1/2	255.82	1/2	609.12	1/2	960.10	1/2	1,304.08	1/2	1,662.32	1/2	2,017.37	1/2	2,376.00	1/2	2,734.63	1/2	3,093.16	1/2	3,451.05
3/4	263.29	3/4	616.27	3/4	967.21	3/4	1,311.55	3/4	1,669.63	3/4	2,024.85	3/4	2,383.47	3/4	2,742.10	3/4	3,100.62	3/4	3,458.51
9	270.75	9	623.43	9	974.32	9	1,319.02	9	1,676.93	9	2,032.32	9	2,390.94	9	2,749.57	9	3,108.07	9	3,465.97
1/4	278.22	1/4	630.60	1/4	981.43	1/4	1,326.50	1/4	1,684.24	1/4	2,039.79	1/4	2,398.42	1/4	2,757.04	1/4	3,115.53	1/4	3,473.42
1/2	285.68	1/2	637.77	1/2	988.54	1/2	1,333.97	1/2	1,691.54	1/2	2,047.26	1/2	2,405.89	1/2	2,764.51	1/2	3,122.99	1/2	3,480.88
3/4	293.15	3/4	644.94	3/4	995.65	3/4	1,341.44	3/4	1,698.85	3/4	2,054.73	3/4	2,413.36	3/4	2,771.99	3/4	3,130.44	3/4	3,488.33
10	300.61	10	652.11	10	1,002.76	10	1,348.91	10	1,706.15	10	2,062.20	10	2,420.83	10	2,779.46	10	3,137.90	10	3,495.79
1/4	308.08	1/4	659.44	1/4	1,009.87	1/4	1,356.38	1/4	1,713.46	1/4	2,069.67	1/4	2,428.30	1/4	2,786.93	1/4	3,145.35	1/4	3,503.25
1/2	315.54	1/2	666.77	1/2	1,016.98	1/2	1,363.86	1/2	1,720.76	1/2	2,077.15	1/2	2,435.77	1/2	2,794.40	1/2	3,152.81	1/2	3,510.70
3/4	323.01	3/4	674.10	3/4	1,024.09	3/4	1,371.33	3/4	1,728.07	3/4	2,084.62	3/4	2,443.24	3/4	2,801.87	3/4	3,160.27	3/4	3,518.16
11	330.48	11	681.43	11	1,031.20	11	1,378.80	11	1,735.37	11	2,092.09	11	2,450.72	11	2,809.34	11	3,167.72	11	3,525.61
1/4	337.94	1/4	688.90	1/4	1,038.31	1/4	1,386.27	1/4	1,742.68	1/4	2,099.56	1/4	2,458.19	1/4	2,816.81	1/4	3,175.18	1/4	3,533.07
1/2	345.41	1/2	696.37	1/2	1,045.42	1/2	1,393.74	1/2	1,749.98	1/2	2,107.03	1/2	2,465.66	1/2	2,824.29	1/2	3,182.63	1/2	3,540.53
3/4	352.88	3/4	703.84	3/4	1,052.53	3/4	1,401.22	3/4	1,757.29	3/4	2,114.50	3/4	2,473.13	3/4	2,831.76	3/4	3,190.09	3/4	3,547.98

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 UNDERSIDE OF DECK AT GAUGE POINT.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN WITH 8" ULLAGE HATCH
 GAUGE POINT: (8" ULLAGE HATCH) LOCATED 12'-09" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "HSM 712"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-05 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,555.44	0		0		0		0		0		0		0		0		0	
1/4	3,562.90	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,570.35	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,577.81	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	3,585.26	1		1		1		1		1		1		1		1		1	
1/4	3,592.71	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,600.16	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,607.61	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	3,615.07	2		2		2		2		2		2		2		2		2	
1/4	3,622.48	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,629.90	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,637.32	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	3,644.74	3		3		3		3		3		3		3		3		3	
1/4	3,652.16	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,659.57	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,666.99	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	3,674.41	4		4		4		4		4		4		4		4		4	
1/4	3,681.83	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,689.25	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,696.67	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	3,704.08	5		5		5		5		5		5		5		5		5	
1/4	3,711.50	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,718.92	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,726.34	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	3,733.76	6		6		6		6		6		6		6		6		6	
1/4	3,741.13	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,748.50	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,755.87	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	3,763.25	7		7		7		7		7		7		7		7		7	
1/4	3,770.20	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,777.15	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,784.10	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,791.06	8		8		8		8		8		8		8		8		8	
1/4	3,797.26	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,803.46	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,809.67	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,815.87	9		9		9		9		9		9		9		9		9	
1/4	3,821.33	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,826.78	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,832.24	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,837.70	10		10		10		10		10		10		10		10		10	
1/4	3,842.41	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,847.12	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,851.83	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,856.54	11		11		11		11		11		11		11		11		11	
1/4	3,860.50	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,864.46	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: 03/06/2019 CL
CALCULATED: 03/07/2019 CL
PRINTED: 03/07/2019

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
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<http://www.pmacorp.net>



BARGE "HSM 712"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-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	18.13	0	360.35	0	711.30	0	1,069.14	0	1,427.35	0	1,783.25	0	2,140.63	0	2,499.26	0	2,857.89	0	3,216.21
1/4	23.04	1/4	367.82	1/4	718.78	1/4	1,076.58	1/4	1,434.82	1/4	1,790.56	1/4	2,148.10	1/4	2,506.73	1/4	2,865.36	1/4	3,223.66
1/2	27.94	1/2	375.29	1/2	726.25	1/2	1,084.03	1/2	1,442.29	1/2	1,797.86	1/2	2,155.58	1/2	2,514.20	1/2	2,872.83	1/2	3,231.12
3/4	32.84	3/4	382.77	3/4	733.72	3/4	1,091.47	3/4	1,449.76	3/4	1,805.17	3/4	2,163.05	3/4	2,521.67	3/4	2,880.30	3/4	3,238.57
1	37.75	1	390.24	1	741.19	1	1,098.91	1	1,457.24	1	1,812.47	1	2,170.52	1	2,529.15	1	2,887.77	1	3,246.03
1/4	44.38	1/4	397.71	1/4	748.66	1/4	1,106.36	1/4	1,464.71	1/4	1,819.80	1/4	2,177.99	1/4	2,536.62	1/4	2,895.24	1/4	3,253.49
1/2	51.01	1/2	405.18	1/2	756.14	1/2	1,113.81	1/2	1,472.18	1/2	1,827.13	1/2	2,185.46	1/2	2,544.09	1/2	2,902.72	1/2	3,260.94
3/4	57.64	3/4	412.65	3/4	763.61	3/4	1,121.26	3/4	1,479.65	3/4	1,834.45	3/4	2,192.93	3/4	2,551.56	3/4	2,910.19	3/4	3,268.40
2	64.27	2	420.13	2	771.08	2	1,128.70	2	1,487.13	2	1,841.78	2	2,200.40	2	2,559.03	2	2,917.66	2	3,275.85
1/4	71.53	1/4	427.60	1/4	778.55	1/4	1,136.15	1/4	1,494.60	1/4	1,849.25	1/4	2,207.88	1/4	2,566.50	1/4	2,925.13	1/4	3,283.31
1/2	78.79	1/2	435.07	1/2	786.02	1/2	1,143.60	1/2	1,502.07	1/2	1,856.72	1/2	2,215.35	1/2	2,573.97	1/2	2,932.60	1/2	3,290.77
3/4	86.05	3/4	442.54	3/4	793.49	3/4	1,151.05	3/4	1,509.54	3/4	1,864.19	3/4	2,222.82	3/4	2,581.45	3/4	2,940.07	3/4	3,298.22
3	93.32	3	450.01	3	800.97	3	1,158.49	3	1,517.01	3	1,871.66	3	2,230.29	3	2,588.92	3	2,947.54	3	3,305.68
1/4	100.49	1/4	457.46	1/4	808.44	1/4	1,165.95	1/4	1,524.49	1/4	1,879.13	1/4	2,237.76	1/4	2,596.39	1/4	2,955.02	1/4	3,313.13
1/2	107.66	1/2	464.92	1/2	815.91	1/2	1,173.40	1/2	1,531.96	1/2	1,886.61	1/2	2,245.23	1/2	2,603.86	1/2	2,962.49	1/2	3,320.59
3/4	114.82	3/4	472.37	3/4	823.38	3/4	1,180.85	3/4	1,539.43	3/4	1,894.08	3/4	2,252.70	3/4	2,611.33	3/4	2,969.96	3/4	3,328.05
4	121.99	4	479.82	4	830.85	4	1,188.31	4	1,546.90	4	1,901.55	4	2,260.18	4	2,618.80	4	2,977.43	4	3,335.50
1/4	129.32	1/4	487.11	1/4	838.32	1/4	1,195.76	1/4	1,554.37	1/4	1,909.02	1/4	2,267.65	1/4	2,626.27	1/4	2,984.90	1/4	3,342.96
1/2	136.65	1/2	494.40	1/2	845.79	1/2	1,203.22	1/2	1,561.85	1/2	1,916.49	1/2	2,275.12	1/2	2,633.75	1/2	2,992.37	1/2	3,350.42
3/4	143.98	3/4	501.70	3/4	853.26	3/4	1,210.67	3/4	1,569.32	3/4	1,923.96	3/4	2,282.59	3/4	2,641.22	3/4	2,999.84	3/4	3,357.87
5	151.31	5	508.99	5	860.73	5	1,218.13	5	1,576.79	5	1,931.43	5	2,290.06	5	2,648.69	5	3,007.32	5	3,365.33
1/4	158.78	1/4	516.14	1/4	868.17	1/4	1,225.60	1/4	1,584.26	1/4	1,938.91	1/4	2,297.53	1/4	2,656.16	1/4	3,014.79	1/4	3,372.78
1/2	166.24	1/2	523.29	1/2	875.61	1/2	1,233.07	1/2	1,591.73	1/2	1,946.38	1/2	2,305.00	1/2	2,663.63	1/2	3,022.26	1/2	3,380.24
3/4	173.71	3/4	530.45	3/4	883.06	3/4	1,240.55	3/4	1,599.21	3/4	1,953.85	3/4	2,312.48	3/4	2,671.10	3/4	3,029.73	3/4	3,387.70
6	181.17	6	537.60	6	890.50	6	1,248.02	6	1,606.68	6	1,961.32	6	2,319.95	6	2,678.57	6	3,037.20	6	3,395.15
1/4	188.64	1/4	544.75	1/4	897.94	1/4	1,255.49	1/4	1,614.15	1/4	1,968.79	1/4	2,327.42	1/4	2,686.05	1/4	3,044.67	1/4	3,402.61
1/2	196.10	1/2	551.90	1/2	905.39	1/2	1,262.96	1/2	1,621.62	1/2	1,976.26	1/2	2,334.89	1/2	2,693.52	1/2	3,052.14	1/2	3,410.06
3/4	203.57	3/4	559.06	3/4	912.83	3/4	1,270.43	3/4	1,629.10	3/4	1,983.73	3/4	2,342.36	3/4	2,700.99	3/4	3,059.61	3/4	3,417.52
7	211.03	7	566.21	7	920.27	7	1,277.91	7	1,636.57	7	1,991.21	7	2,349.83	7	2,708.46	7	3,067.08	7	3,424.98
1/4	218.50	1/4	573.36	1/4	927.72	1/4	1,285.38	1/4	1,644.02	1/4	1,998.68	1/4	2,357.30	1/4	2,715.93	1/4	3,074.54	1/4	3,432.43
1/2	225.96	1/2	580.51	1/2	935.16	1/2	1,292.85	1/2	1,651.47	1/2	2,006.15	1/2	2,364.78	1/2	2,723.40	1/2	3,082.00	1/2	3,439.89
3/4	233.43	3/4	587.66	3/4	942.60	3/4	1,300.32	3/4	1,658.92	3/4	2,013.62	3/4	2,372.25	3/4	2,730.87	3/4	3,089.45	3/4	3,447.34
8	240.89	8	594.82	8	950.05	8	1,307.79	8	1,666.37	8	2,021.09	8	2,379.72	8	2,738.35	8	3,096.91	8	3,454.80
1/4	248.36	1/4	601.97	1/4	957.49	1/4	1,315.27	1/4	1,673.68	1/4	2,028.56	1/4	2,387.19	1/4	2,745.82	1/4	3,104.36	1/4	3,462.26
1/2	255.82	1/2	609.12	1/2	964.93	1/2	1,322.74	1/2	1,680.98	1/2	2,036.03	1/2	2,394.66	1/2	2,753.29	1/2	3,111.82	1/2	3,469.71
3/4	263.29	3/4	616.27	3/4	972.38	3/4	1,330.21	3/4	1,688.29	3/4	2,043.51	3/4	2,402.13	3/4	2,760.76	3/4	3,119.28	3/4	3,477.17
9	270.75	9	623.43	9	979.82	9	1,337.68	9	1,695.59	9	2,050.98	9	2,409.60	9	2,768.23	9	3,126.73	9	3,484.63
1/4	278.22	1/4	630.60	1/4	987.26	1/4	1,345.16	1/4	1,702.90	1/4	2,058.45	1/4	2,417.08	1/4	2,775.70	1/4	3,134.19	1/4	3,492.08
1/2	285.68	1/2	637.77	1/2	994.71	1/2	1,352.63	1/2	1,710.20	1/2	2,065.92	1/2	2,424.55	1/2	2,783.17	1/2	3,141.64	1/2	3,499.54
3/4	293.15	3/4	644.94	3/4	1,002.15	3/4	1,360.10	3/4	1,717.51	3/4	2,073.39	3/4	2,432.02	3/4	2,790.65	3/4	3,149.10	3/4	3,506.99
10	300.61	10	652.11	10	1,009.59	10	1,367.57	10	1,724.81	10	2,080.86	10	2,439.49	10	2,798.12	10	3,156.56	10	3,514.45
1/4	308.08	1/4	659.44	1/4	1,017.04	1/4	1,375.04	1/4	1,732.12	1/4	2,088.33	1/4	2,446.96	1/4	2,805.59	1/4	3,164.01	1/4	3,521.91
1/2	315.54	1/2	666.77	1/2	1,024.48	1/2	1,382.52	1/2	1,739.42	1/2	2,095.81	1/2	2,454.43	1/2	2,813.06	1/2	3,171.47	1/2	3,529.36
3/4	323.01	3/4	674.10	3/4	1,031.92	3/4	1,389.99	3/4	1,746.73	3/4	2,103.28	3/4	2,461.90	3/4	2,820.53	3/4	3,178.92	3/4	3,536.82
11	330.48	11	681.43	11	1,039.37	11	1,397.46	11	1,754.03	11	2,110.75	11	2,469.38	11	2,828.00	11	3,186.38	11	3,544.27
1/4	337.94	1/4	688.90	1/4	1,046.81	1/4	1,404.93	1/4	1,761.34	1/4	2,118.22	1/4	2,476.85	1/4	2,835.47	1/4	3,193.84	1/4	3,551.73
1/2	345.41	1/2	696.37	1/2	1,054.25	1/2	1,412.40	1/2	1,768.64	1/2	2,125.69	1/2	2,484.32	1/2	2,842.95	1/2	3,201.29	1/2	3,559.19
3/4	352.88	3/4	703.84	3/4	1,061.70	3/4	1,419.88	3/4	1,775.95	3/4	2,133.16	3/4	2,491.79	3/4	2,850.42	3/4	3,208.75	3/4	3,566.64

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 UNDERSIDE OF DECK AT GAUGE POINT.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN WITH 8" ULLAGE HATCH
 GAUGE POINT: (8" ULLAGE HATCH) LOCATED 12'-09" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

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





BARGE "HSM 712"

**2 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	3,574.10	0		0		0		0		0		0		0		0		0	
1/4	3,581.55	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,589.01	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,596.47	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	3,603.92	1		1		1		1		1		1		1		1		1	
1/4	3,611.37	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,618.82	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,626.27	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	3,633.72	2		2		2		2		2		2		2		2		2	
1/4	3,641.14	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,648.56	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,655.98	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	3,663.40	3		3		3		3		3		3		3		3		3	
1/4	3,670.82	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,678.23	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,685.65	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	3,693.07	4		4		4		4		4		4		4		4		4	
1/4	3,700.49	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,707.91	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,715.33	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	3,722.74	5		5		5		5		5		5		5		5		5	
1/4	3,730.16	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,737.58	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,745.00	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	3,752.42	6		6		6		6		6		6		6		6		6	
1/4	3,759.79	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,767.16	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,774.53	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	3,781.90	7		7		7		7		7		7		7		7		7	
1/4	3,788.86	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,795.81	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,802.76	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,809.71	8		8		8		8		8		8		8		8		8	
1/4	3,815.92	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,822.12	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,828.33	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,834.53	9		9		9		9		9		9		9		9		9	
1/4	3,839.99	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,845.44	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,850.90	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,856.36	10		10		10		10		10		10		10		10		10	
1/4	3,861.07	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,865.78	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,870.49	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,875.19	11		11		11		11		11		11		11		11		11	
1/4	3,879.16	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,883.12	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: 03/06/2019 CL
CALCULATED: 03/07/2019 CL
PRINTED: 03/07/2019

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 712"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-05 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	18.07	0	359.08	0	708.23	0	1,054.12	0	1,400.52	0	1,754.35	0	2,109.50	0	2,466.16	0	2,822.81	0	3,179.15
1/4	22.96	1/4	366.52	1/4	715.66	1/4	1,061.17	1/4	1,407.94	1/4	1,761.62	1/4	2,116.93	1/4	2,473.59	1/4	2,830.24	1/4	3,186.56
1/2	27.84	1/2	373.97	1/2	723.10	1/2	1,068.22	1/2	1,415.37	1/2	1,768.90	1/2	2,124.36	1/2	2,481.02	1/2	2,837.67	1/2	3,193.98
3/4	32.73	3/4	381.41	3/4	730.53	3/4	1,075.27	3/4	1,422.79	3/4	1,776.17	3/4	2,131.79	3/4	2,488.45	3/4	2,845.10	3/4	3,201.39
1	37.62	1	388.86	1	737.96	1	1,082.32	1	1,430.22	1	1,783.44	1	2,139.22	1	2,495.88	1	2,852.53	1	3,208.81
1/4	44.22	1/4	396.30	1/4	745.40	1/4	1,089.37	1/4	1,437.64	1/4	1,790.73	1/4	2,146.65	1/4	2,503.31	1/4	2,859.96	1/4	3,216.22
1/2	50.83	1/2	403.75	1/2	752.83	1/2	1,096.42	1/2	1,445.07	1/2	1,798.02	1/2	2,154.09	1/2	2,510.74	1/2	2,867.39	1/2	3,223.64
3/4	57.44	3/4	411.19	3/4	760.27	3/4	1,103.48	3/4	1,452.49	3/4	1,805.31	3/4	2,161.52	3/4	2,518.17	3/4	2,874.82	3/4	3,231.05
2	64.04	2	418.64	2	767.70	2	1,110.53	2	1,459.91	2	1,812.60	2	2,168.95	2	2,525.60	2	2,882.25	2	3,238.47
1/4	71.28	1/4	426.07	1/4	775.13	1/4	1,117.58	1/4	1,467.34	1/4	1,820.02	1/4	2,176.38	1/4	2,533.03	1/4	2,889.68	1/4	3,245.88
1/2	78.52	1/2	433.50	1/2	782.57	1/2	1,124.64	1/2	1,474.76	1/2	1,827.44	1/2	2,183.81	1/2	2,540.46	1/2	2,897.12	1/2	3,253.30
3/4	85.75	3/4	440.94	3/4	790.00	3/4	1,131.69	3/4	1,482.19	3/4	1,834.87	3/4	2,191.24	3/4	2,547.89	3/4	2,904.55	3/4	3,260.71
3	92.99	3	448.37	3	797.44	3	1,138.75	3	1,489.61	3	1,842.29	3	2,198.67	3	2,555.32	3	2,911.98	3	3,268.13
1/4	100.13	1/4	455.79	1/4	804.87	1/4	1,145.81	1/4	1,497.03	1/4	1,849.71	1/4	2,206.10	1/4	2,562.75	1/4	2,919.41	1/4	3,275.54
1/2	107.27	1/2	463.20	1/2	812.30	1/2	1,152.87	1/2	1,504.46	1/2	1,857.13	1/2	2,213.53	1/2	2,570.18	1/2	2,926.84	1/2	3,282.96
3/4	114.42	3/4	470.61	3/4	819.74	3/4	1,159.93	3/4	1,511.88	3/4	1,864.56	3/4	2,220.96	3/4	2,577.61	3/4	2,934.27	3/4	3,290.37
4	121.56	4	478.03	4	827.17	4	1,166.99	4	1,519.31	4	1,871.98	4	2,228.39	4	2,585.04	4	2,941.70	4	3,297.79
1/4	128.86	1/4	485.28	1/4	834.56	1/4	1,174.05	1/4	1,526.73	1/4	1,879.40	1/4	2,235.82	1/4	2,592.47	1/4	2,949.13	1/4	3,305.20
1/2	136.17	1/2	492.54	1/2	841.94	1/2	1,181.11	1/2	1,534.15	1/2	1,886.82	1/2	2,243.25	1/2	2,599.90	1/2	2,956.56	1/2	3,312.62
3/4	143.47	3/4	499.79	3/4	849.33	3/4	1,188.17	3/4	1,541.58	3/4	1,894.25	3/4	2,250.68	3/4	2,607.33	3/4	2,963.99	3/4	3,320.03
5	150.78	5	507.05	5	856.72	5	1,195.24	5	1,549.00	5	1,901.67	5	2,258.11	5	2,614.76	5	2,971.42	5	3,327.45
1/4	158.21	1/4	514.16	1/4	863.77	1/4	1,202.32	1/4	1,556.43	1/4	1,909.09	1/4	2,265.54	1/4	2,622.19	1/4	2,978.85	1/4	3,334.86
1/2	165.65	1/2	521.27	1/2	870.82	1/2	1,209.39	1/2	1,563.85	1/2	1,916.51	1/2	2,272.97	1/2	2,629.62	1/2	2,986.28	1/2	3,342.28
3/4	173.09	3/4	528.39	3/4	877.87	3/4	1,216.47	3/4	1,571.28	3/4	1,923.94	3/4	2,280.40	3/4	2,637.05	3/4	2,993.71	3/4	3,349.69
6	180.53	6	535.50	6	884.92	6	1,223.55	6	1,578.70	6	1,931.36	6	2,287.83	6	2,644.49	6	3,001.14	6	3,357.11
1/4	187.97	1/4	542.61	1/4	891.97	1/4	1,230.67	1/4	1,586.12	1/4	1,938.78	1/4	2,295.26	1/4	2,651.92	1/4	3,008.57	1/4	3,364.52
1/2	195.41	1/2	549.72	1/2	899.02	1/2	1,237.79	1/2	1,593.55	1/2	1,946.20	1/2	2,302.69	1/2	2,659.35	1/2	3,015.99	1/2	3,371.94
3/4	202.85	3/4	556.84	3/4	906.07	3/4	1,244.92	3/4	1,600.97	3/4	1,953.63	3/4	2,310.12	3/4	2,666.78	3/4	3,023.42	3/4	3,379.35
7	210.29	7	563.95	7	913.12	7	1,252.04	7	1,608.40	7	1,961.05	7	2,317.55	7	2,674.21	7	3,030.85	7	3,386.77
1/4	217.72	1/4	571.06	1/4	920.17	1/4	1,259.46	1/4	1,615.80	1/4	1,968.47	1/4	2,324.98	1/4	2,681.64	1/4	3,038.26	1/4	3,394.18
1/2	225.16	1/2	578.17	1/2	927.22	1/2	1,266.89	1/2	1,623.21	1/2	1,975.89	1/2	2,332.41	1/2	2,689.07	1/2	3,045.68	1/2	3,401.59
3/4	232.60	3/4	585.28	3/4	934.27	3/4	1,274.31	3/4	1,630.61	3/4	1,983.32	3/4	2,339.84	3/4	2,696.50	3/4	3,053.09	3/4	3,409.01
8	240.04	8	592.39	8	941.32	8	1,281.74	8	1,638.02	8	1,990.74	8	2,347.27	8	2,703.93	8	3,060.51	8	3,416.42
1/4	247.48	1/4	599.51	1/4	948.37	1/4	1,289.16	1/4	1,645.29	1/4	1,998.16	1/4	2,354.70	1/4	2,711.36	1/4	3,067.92	1/4	3,423.84
1/2	254.92	1/2	606.62	1/2	955.42	1/2	1,296.58	1/2	1,652.56	1/2	2,005.58	1/2	2,362.13	1/2	2,718.79	1/2	3,075.34	1/2	3,431.25
3/4	262.36	3/4	613.73	3/4	962.47	3/4	1,304.01	3/4	1,659.83	3/4	2,013.01	3/4	2,369.56	3/4	2,726.22	3/4	3,082.75	3/4	3,438.67
9	269.80	9	620.84	9	969.52	9	1,311.43	9	1,667.10	9	2,020.43	9	2,376.99	9	2,733.65	9	3,090.17	9	3,446.08
1/4	277.24	1/4	627.97	1/4	976.57	1/4	1,318.86	1/4	1,674.37	1/4	2,027.85	1/4	2,384.42	1/4	2,741.08	1/4	3,097.58	1/4	3,453.50
1/2	284.67	1/2	635.10	1/2	983.62	1/2	1,326.28	1/2	1,681.64	1/2	2,035.27	1/2	2,391.85	1/2	2,748.51	1/2	3,105.00	1/2	3,460.91
3/4	292.11	3/4	642.23	3/4	990.67	3/4	1,333.70	3/4	1,688.91	3/4	2,042.70	3/4	2,399.29	3/4	2,755.94	3/4	3,112.41	3/4	3,468.33
10	299.55	10	649.36	10	997.72	10	1,341.13	10	1,696.18	10	2,050.12	10	2,406.72	10	2,763.37	10	3,119.83	10	3,475.74
1/4	306.99	1/4	656.65	1/4	1,004.77	1/4	1,348.55	1/4	1,703.46	1/4	2,057.54	1/4	2,414.15	1/4	2,770.80	1/4	3,127.24	1/4	3,483.16
1/2	314.43	1/2	663.94	1/2	1,011.82	1/2	1,355.98	1/2	1,710.73	1/2	2,064.96	1/2	2,421.58	1/2	2,778.23	1/2	3,134.66	1/2	3,490.57
3/4	321.87	3/4	671.23	3/4	1,018.87	3/4	1,363.40	3/4	1,718.00	3/4	2,072.39	3/4	2,429.01	3/4	2,785.66	3/4	3,142.07	3/4	3,497.99
11	329.31	11	678.52	11	1,025.92	11	1,370.82	11	1,725.27	11	2,079.81	11	2,436.44	11	2,793.09	11	3,149.49	11	3,505.40
1/4	336.75	1/4	685.94	1/4	1,032.97	1/4	1,378.25	1/4	1,732.54	1/4	2,087.23	1/4	2,443.87	1/4	2,800.52	1/4	3,156.90	1/4	3,512.82
1/2	344.19	1/2	693.37	1/2	1,040.02	1/2	1,385.67	1/2	1,739.81	1/2	2,094.66	1/2	2,451.30	1/2	2,807.95	1/2	3,164.32	1/2	3,520.23
3/4	351.64	3/4	700.80	3/4	1,047.07	3/4	1,393.10	3/4	1,747.08	3/4	2,102.08	3/4	2,458.73	3/4	2,815.38	3/4	3,171.73	3/4	3,527.65

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 UNDERSIDE OF DECK AT GAUGE POINT.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN WITH 8" ULLAGE HATCH
 GAUGE POINT: (8" ULLAGE HATCH) LOCATED 12'-09" OFF CENTERLINE AND 50'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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 Pearland, Texas 77588
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BARGE "HSM 712"

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	3,535.06	0		0		0		0		0		0		0		0		0	
1/4	3,542.48	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,549.89	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,557.31	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	3,564.72	1		1		1		1		1		1		1		1		1	
1/4	3,572.13	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,579.54	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,586.95	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	3,594.36	2		2		2		2		2		2		2		2		2	
1/4	3,601.74	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,609.12	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,616.49	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	3,623.87	3		3		3		3		3		3		3		3		3	
1/4	3,631.25	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,638.63	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,646.00	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	3,653.38	4		4		4		4		4		4		4		4		4	
1/4	3,660.76	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,668.13	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,675.51	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	3,682.89	5		5		5		5		5		5		5		5		5	
1/4	3,690.27	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,697.64	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,705.02	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	3,712.40	6		6		6		6		6		6		6		6		6	
1/4	3,719.73	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,727.06	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,734.39	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	3,741.72	7		7		7		7		7		7		7		7		7	
1/4	3,748.63	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,755.54	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,762.45	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,769.36	8		8		8		8		8		8		8		8		8	
1/4	3,775.53	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,781.70	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,787.86	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,794.03	9		9		9		9		9		9		9		9		9	
1/4	3,799.46	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,804.88	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,810.30	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,815.73	10		10		10		10		10		10		10		10		10	
1/4	3,820.42	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,825.11	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,829.79	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,834.48	11		11		11		11		11		11		11		11		11	
1/4	3,838.43	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,842.37	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: 03/06/2019 CL
CALCULATED: 03/07/2019 CL
PRINTED: 03/07/2019

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 712"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-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	18.07	0	359.08	0	708.77	0	1,065.35	0	1,422.30	0	1,776.92	0	2,132.56	0	2,489.66	0	2,846.94	0	3,203.90
1/4	22.96	1/4	366.52	1/4	716.22	1/4	1,072.76	1/4	1,429.74	1/4	1,784.20	1/4	2,139.98	1/4	2,497.10	1/4	2,854.38	1/4	3,211.33
1/2	27.84	1/2	373.97	1/2	723.66	1/2	1,080.18	1/2	1,437.19	1/2	1,791.48	1/2	2,147.40	1/2	2,504.54	1/2	2,861.83	1/2	3,218.76
3/4	32.73	3/4	381.41	3/4	731.11	3/4	1,087.60	3/4	1,444.63	3/4	1,798.76	3/4	2,154.82	3/4	2,511.99	3/4	2,869.27	3/4	3,226.19
1	37.62	1	388.86	1	738.55	1	1,095.02	1	1,452.08	1	1,806.03	1	2,162.24	1	2,519.43	1	2,876.71	1	3,233.62
1/4	44.22	1/4	396.31	1/4	746.00	1/4	1,102.44	1/4	1,459.53	1/4	1,813.33	1/4	2,169.66	1/4	2,526.87	1/4	2,884.16	1/4	3,241.04
1/2	50.83	1/2	403.75	1/2	753.44	1/2	1,109.86	1/2	1,466.97	1/2	1,820.63	1/2	2,177.08	1/2	2,534.32	1/2	2,891.60	1/2	3,248.47
3/4	57.44	3/4	411.20	3/4	760.89	3/4	1,117.28	3/4	1,474.42	3/4	1,827.93	3/4	2,184.50	3/4	2,541.76	3/4	2,899.04	3/4	3,255.90
2	64.04	2	418.64	2	768.34	2	1,124.70	2	1,481.86	2	1,835.23	2	2,191.92	2	2,549.20	2	2,906.49	2	3,263.33
1/4	71.28	1/4	426.09	1/4	775.78	1/4	1,132.12	1/4	1,489.31	1/4	1,842.67	1/4	2,199.36	1/4	2,556.65	1/4	2,913.93	1/4	3,270.76
1/2	78.52	1/2	433.53	1/2	783.23	1/2	1,139.54	1/2	1,496.76	1/2	1,850.12	1/2	2,206.81	1/2	2,564.09	1/2	2,921.37	1/2	3,278.18
3/4	85.75	3/4	440.98	3/4	790.67	3/4	1,146.97	3/4	1,504.20	3/4	1,857.56	3/4	2,214.25	3/4	2,571.53	3/4	2,928.82	3/4	3,285.61
3	92.99	3	448.43	3	798.12	3	1,154.39	3	1,511.65	3	1,865.01	3	2,221.69	3	2,578.98	3	2,936.26	3	3,293.04
1/4	100.13	1/4	455.85	1/4	805.56	1/4	1,161.81	1/4	1,519.09	1/4	1,872.45	1/4	2,229.14	1/4	2,586.42	1/4	2,943.70	1/4	3,300.47
1/2	107.27	1/2	463.28	1/2	813.01	1/2	1,169.24	1/2	1,526.54	1/2	1,879.89	1/2	2,236.58	1/2	2,593.86	1/2	2,951.15	1/2	3,307.90
3/4	114.42	3/4	470.70	3/4	820.45	3/4	1,176.67	3/4	1,533.99	3/4	1,887.34	3/4	2,244.02	3/4	2,601.31	3/4	2,958.59	3/4	3,315.32
4	121.56	4	478.13	4	827.90	4	1,184.09	4	1,541.43	4	1,894.78	4	2,251.47	4	2,608.75	4	2,966.03	4	3,322.75
1/4	128.86	1/4	485.39	1/4	835.34	1/4	1,191.52	1/4	1,548.88	1/4	1,902.23	1/4	2,258.91	1/4	2,616.19	1/4	2,973.48	1/4	3,330.18
1/2	136.17	1/2	492.66	1/2	842.78	1/2	1,198.95	1/2	1,556.32	1/2	1,909.67	1/2	2,266.35	1/2	2,623.64	1/2	2,980.92	1/2	3,337.61
3/4	143.47	3/4	499.92	3/4	850.23	3/4	1,206.38	3/4	1,563.77	3/4	1,917.12	3/4	2,273.80	3/4	2,631.08	3/4	2,988.36	3/4	3,345.04
5	150.78	5	507.19	5	857.67	5	1,213.81	5	1,571.21	5	1,924.56	5	2,281.24	5	2,638.52	5	2,995.81	5	3,352.46
1/4	158.21	1/4	514.32	1/4	865.09	1/4	1,221.26	1/4	1,578.66	1/4	1,932.01	1/4	2,288.68	1/4	2,645.97	1/4	3,003.25	1/4	3,359.89
1/2	165.65	1/2	521.44	1/2	872.50	1/2	1,228.70	1/2	1,586.11	1/2	1,939.45	1/2	2,296.13	1/2	2,653.41	1/2	3,010.69	1/2	3,367.32
3/4	173.09	3/4	528.57	3/4	879.92	3/4	1,236.15	3/4	1,593.55	3/4	1,946.89	3/4	2,303.57	3/4	2,660.85	3/4	3,018.14	3/4	3,374.75
6	180.53	6	535.70	6	887.34	6	1,243.60	6	1,601.00	6	1,954.34	6	2,311.02	6	2,668.30	6	3,025.58	6	3,382.18
1/4	187.97	1/4	542.82	1/4	894.75	1/4	1,251.04	1/4	1,608.44	1/4	1,961.78	1/4	2,318.46	1/4	2,675.74	1/4	3,033.02	1/4	3,389.60
1/2	195.41	1/2	549.95	1/2	902.17	1/2	1,258.49	1/2	1,615.89	1/2	1,969.23	1/2	2,325.90	1/2	2,683.19	1/2	3,040.46	1/2	3,397.03
3/4	202.85	3/4	557.07	3/4	909.59	3/4	1,265.93	3/4	1,623.34	3/4	1,976.67	3/4	2,333.35	3/4	2,690.63	3/4	3,047.90	3/4	3,404.46
7	210.29	7	564.20	7	917.01	7	1,273.38	7	1,630.78	7	1,984.12	7	2,340.79	7	2,698.07	7	3,055.34	7	3,411.89
1/4	217.72	1/4	571.33	1/4	924.42	1/4	1,280.82	1/4	1,638.21	1/4	1,991.56	1/4	2,348.23	1/4	2,705.52	1/4	3,062.77	1/4	3,419.32
1/2	225.16	1/2	578.45	1/2	931.84	1/2	1,288.27	1/2	1,645.63	1/2	1,999.00	1/2	2,355.68	1/2	2,712.96	1/2	3,070.20	1/2	3,426.74
3/4	232.60	3/4	585.58	3/4	939.26	3/4	1,295.72	3/4	1,653.05	3/4	2,006.44	3/4	2,363.12	3/4	2,720.40	3/4	3,077.63	3/4	3,434.17
8	240.04	8	592.70	8	946.67	8	1,303.16	8	1,660.48	8	2,013.88	8	2,370.56	8	2,727.85	8	3,085.06	8	3,441.60
1/4	247.48	1/4	599.83	1/4	954.09	1/4	1,310.61	1/4	1,667.76	1/4	2,021.30	1/4	2,378.01	1/4	2,735.29	1/4	3,092.48	1/4	3,449.03
1/2	254.92	1/2	606.96	1/2	961.51	1/2	1,318.05	1/2	1,675.03	1/2	2,028.71	1/2	2,385.45	1/2	2,742.73	1/2	3,099.91	1/2	3,456.46
3/4	262.36	3/4	614.08	3/4	968.93	3/4	1,325.50	3/4	1,682.31	3/4	2,036.13	3/4	2,392.89	3/4	2,750.18	3/4	3,107.34	3/4	3,463.88
9	269.80	9	621.21	9	976.34	9	1,332.95	9	1,689.59	9	2,043.55	9	2,400.34	9	2,757.62	9	3,114.77	9	3,471.31
1/4	277.24	1/4	628.35	1/4	983.76	1/4	1,340.39	1/4	1,696.87	1/4	2,050.97	1/4	2,407.78	1/4	2,765.06	1/4	3,122.20	1/4	3,478.74
1/2	284.67	1/2	635.50	1/2	991.18	1/2	1,347.84	1/2	1,704.15	1/2	2,058.39	1/2	2,415.22	1/2	2,772.51	1/2	3,129.62	1/2	3,486.17
3/4	292.11	3/4	642.65	3/4	998.59	3/4	1,355.28	3/4	1,711.42	3/4	2,065.80	3/4	2,422.67	3/4	2,779.95	3/4	3,137.05	3/4	3,493.60
10	299.55	10	649.79	10	1,006.01	10	1,362.73	10	1,718.70	10	2,073.22	10	2,430.11	10	2,787.39	10	3,144.48	10	3,501.02
1/4	306.99	1/4	657.09	1/4	1,013.43	1/4	1,370.18	1/4	1,725.98	1/4	2,080.64	1/4	2,437.55	1/4	2,794.84	1/4	3,151.91	1/4	3,508.45
1/2	314.43	1/2	664.40	1/2	1,020.84	1/2	1,377.62	1/2	1,733.26	1/2	2,088.06	1/2	2,445.00	1/2	2,802.28	1/2	3,159.34	1/2	3,515.88
3/4	321.87	3/4	671.70	3/4	1,028.26	3/4	1,385.07	3/4	1,740.53	3/4	2,095.48	3/4	2,452.44	3/4	2,809.72	3/4	3,166.76	3/4	3,523.31
11	329.31	11	679.00	11	1,035.68	11	1,392.51	11	1,747.81	11	2,102.89	11	2,459.88	11	2,817.17	11	3,174.19	11	3,530.74
1/4	336.75	1/4	686.44	1/4	1,043.10	1/4	1,399.96	1/4	1,755.09	1/4	2,110.31	1/4	2,467.33	1/4	2,824.61	1/4	3,181.62	1/4	3,538.16
1/2	344.19	1/2	693.89	1/2	1,050.51	1/2	1,407.40	1/2	1,762.37	1/2	2,117.73	1/2	2,474.77	1/2	2,832.05	1/2	3,189.05	1/2	3,545.59
3/4	351.64	3/4	701.33	3/4	1,057.93	3/4	1,414.85	3/4	1,769.65	3/4	2,125.15	3/4	2,482.21	3/4	2,839.50	3/4	3,196.48	3/4	3,553.02

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 UNDERSIDE OF DECK AT GAUGE POINT.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN WITH 8" ULLAGE HATCH
 GAUGE POINT: (8" ULLAGE HATCH) LOCATED 12'-09" OFF CENTERLINE AND 50'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "HSM 712"

**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	3,560.45	0		0		0		0		0		0		0		0		0	
1/4	3,567.88	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,575.30	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,582.73	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	3,590.16	1		1		1		1		1		1		1		1		1	
1/4	3,597.58	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,605.01	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,612.43	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	3,619.85	2		2		2		2		2		2		2		2		2	
1/4	3,627.24	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,634.63	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,642.02	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	3,649.41	3		3		3		3		3		3		3		3		3	
1/4	3,656.81	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,664.20	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,671.59	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	3,678.98	4		4		4		4		4		4		4		4		4	
1/4	3,686.37	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,693.76	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,701.15	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	3,708.54	5		5		5		5		5		5		5		5		5	
1/4	3,715.93	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,723.32	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,730.71	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	3,738.10	6		6		6		6		6		6		6		6		6	
1/4	3,745.44	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,752.79	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,760.13	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	3,767.47	7		7		7		7		7		7		7		7		7	
1/4	3,774.40	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,781.32	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,788.24	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,795.17	8		8		8		8		8		8		8		8		8	
1/4	3,801.35	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,807.53	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,813.71	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,819.89	9		9		9		9		9		9		9		9		9	
1/4	3,825.33	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,830.76	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,836.20	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,841.64	10		10		10		10		10		10		10		10		10	
1/4	3,846.33	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,851.02	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,855.71	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,860.40	11		11		11		11		11		11		11		11		11	
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	3,868.30	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: 03/06/2019 CL
CALCULATED: 03/07/2019 CL
PRINTED: 03/07/2019

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 712"

PORT FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-08 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	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: 03/06/2019 CL
CALCULATED: 03/07/2019 CL
PRINTED: 03/07/2019

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2019

PRECISION MEASUREMENT
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BARGE "HSM 712"

STBD FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-08 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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	3/4	3/4	3/4
3	234	3	1,709	3	3,510	3	5,338	3	6,917	3		3		3	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	3/4	3/4	3/4
9	903	9	2,591	9	4,436	9	6,180	9		9		9		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	1/4	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	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	3/4	3/4	3/4
10	1,030	10	2,742	10	4,589	10	6,312	10		10		10		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	1/4	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	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	3/4	3/4	3/4
11	1,161	11	2,895	11	4,741	11	6,441	11		11		11		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	1/4	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	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	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: 03/06/2019 CL
CALCULATED: 03/07/2019 CL
PRINTED: 03/07/2019

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ALL PRIOR TO 03/2019

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BARGE "HSM 712"

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.

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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: 03/06/2019 CL
CALCULATED: 03/07/2019 CL
PRINTED: 03/07/2019

CANCELS AND SUPERCEDES
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