



BARGE "HSM 712"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-0/8	- 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 ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

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 ULLAGE 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		0	3,686.50	0	3,324.76	0	2,962.36	0	2,599.30	0	2,236.23	0	1,873.17	0	1,510.85	0	1,147.91	0	787.80
1/4	1/4	3,678.99	1/4	3,317.22	1/4	2,954.80	1/4	2,591.73	1/4	2,228.67	1/4	1,865.61	1/4	1,503.29	1/4	1,140.38	1/4	780.38	
1/2	1/2	3,671.48	1/2	3,309.67	1/2	2,947.23	1/2	2,584.17	1/2	2,221.11	1/2	1,858.04	1/2	1,495.72	1/2	1,132.84	1/2	772.96	
3/4	3/4	3,663.97	3/4	3,302.12	3/4	2,939.67	3/4	2,576.61	3/4	2,213.54	3/4	1,850.48	3/4	1,488.16	3/4	1,125.31	3/4	765.55	
1	1	3,656.46	1	3,294.57	1	2,932.10	1	2,569.04	1	2,205.98	1	1,842.92	1	1,480.59	1	1,117.80	1	758.13	
1/4	1/4	3,648.95	1/4	3,287.02	1/4	2,924.54	1/4	2,561.48	1/4	2,198.42	1/4	1,835.35	1/4	1,473.03	1/4	1,110.28	1/4	750.71	
1/2	1/2	3,641.44	1/2	3,279.47	1/2	2,916.98	1/2	2,553.91	1/2	2,190.85	1/2	1,827.79	1/2	1,465.47	1/2	1,102.77	1/2	743.29	
3/4	3/4	3,633.93	3/4	3,271.92	3/4	2,909.41	3/4	2,546.35	3/4	2,183.29	3/4	1,820.23	3/4	1,457.90	3/4	1,095.26	3/4	735.87	
2	2	3,626.42	2	3,264.38	2	2,901.85	2	2,538.79	2	2,175.72	2	1,812.66	2	1,450.34	2	1,087.74	2	728.50	
1/4	1/4	3,618.91	1/4	3,256.83	1/4	2,894.29	1/4	2,531.22	1/4	2,168.16	1/4	1,805.10	1/4	1,442.77	1/4	1,080.23	1/4	721.13	
1/2	1/2	3,611.40	1/2	3,249.28	1/2	2,886.72	1/2	2,523.66	1/2	2,160.60	1/2	1,797.53	1/2	1,435.21	1/2	1,072.72	1/2	713.76	
3/4	3/4	3,603.89	3/4	3,241.73	3/4	2,879.16	3/4	2,516.10	3/4	2,153.03	3/4	1,789.97	3/4	1,427.64	3/4	1,065.21	3/4	706.39	
3	3	3,596.38	3	3,234.18	3	2,871.59	3	2,508.53	3	2,145.47	3	1,782.41	3	1,420.08	3	1,057.70	3	699.08	
1/4	1/4	3,588.87	1/4	3,226.63	1/4	2,864.03	1/4	2,500.97	1/4	2,137.91	1/4	1,774.84	1/4	1,412.51	1/4	1,050.19	1/4	691.76	
1/2	1/2	3,581.35	1/2	3,219.09	1/2	2,856.47	1/2	2,493.40	1/2	2,130.34	1/2	1,767.28	1/2	1,404.95	1/2	1,042.69	1/2	684.45	
3/4	3/4	3,573.84	3/4	3,211.54	3/4	2,848.90	3/4	2,485.84	3/4	2,122.78	3/4	1,759.72	3/4	1,397.38	3/4	1,035.18	3/4	677.13	
4	4	3,566.30	4	3,203.99	4	2,841.34	4	2,478.28	4	2,115.21	4	1,752.18	4	1,389.82	4	1,027.67	4	669.87	
1/4	1/4	3,558.76	1/4	3,196.44	1/4	2,833.77	1/4	2,470.71	1/4	2,107.65	1/4	1,744.64	1/4	1,382.26	1/4	1,020.17	1/4	662.61	
1/2	1/2	3,551.21	1/2	3,188.89	1/2	2,826.21	1/2	2,463.15	1/2	2,100.09	1/2	1,737.11	1/2	1,374.69	1/2	1,012.66	1/2	655.35	
3/4	3/4	3,543.67	3/4	3,181.34	3/4	2,818.65	3/4	2,455.58	3/4	2,092.52	3/4	1,729.57	3/4	1,367.13	3/4	1,005.15	3/4	648.09	
5	5	3,536.12	5	3,173.79	5	2,811.08	5	2,448.02	5	2,084.96	5	1,722.04	5	1,359.56	5	997.65	5	640.89	
1/4	1/4	3,528.57	1/4	3,166.25	1/4	2,803.52	1/4	2,440.46	1/4	2,077.39	1/4	1,714.50	1/4	1,352.00	1/4	990.15	1/4	633.68	
1/2	1/2	3,521.03	1/2	3,158.70	1/2	2,795.96	1/2	2,432.89	1/2	2,069.83	1/2	1,706.97	1/2	1,344.43	1/2	982.65	1/2	626.48	
3/4	3/4	3,513.48	3/4	3,151.15	3/4	2,788.39	3/4	2,425.33	3/4	2,062.27	3/4	1,699.44	3/4	1,336.87	3/4	975.14	3/4	619.27	
6	6	3,505.93	6	3,143.60	6	2,780.83	6	2,417.77	6	2,054.70	6	1,691.91	6	1,329.30	6	967.64	6	612.13	
1/4	3,826.34	1/4	3,498.38	1/4	3,136.05	1/4	2,773.26	1/4	2,410.20	1/4	2,047.14	1/4	1,684.37	1/4	1,321.74	1/4	960.14	1/4	604.98
1/2	3,822.33	1/2	3,490.83	1/2	3,128.50	1/2	2,765.70	1/2	2,402.64	1/2	2,039.58	1/2	1,676.84	1/2	1,314.18	1/2	952.64	1/2	597.84
3/4	3,818.31	3/4	3,483.28	3/4	3,120.95	3/4	2,758.14	3/4	2,395.07	3/4	2,032.01	3/4	1,669.31	3/4	1,306.61	3/4	945.13	3/4	590.69
7	3,813.55	7	3,475.73	7	3,113.41	7	2,750.57	7	2,387.51	7	2,024.45	7	1,661.78	7	1,299.05	7	937.63	7	583.74
1/4	3,808.78	1/4	3,468.19	1/4	3,105.86	1/4	2,743.01	1/4	2,379.95	1/4	2,016.88	1/4	1,654.24	1/4	1,291.48	1/4	930.13	1/4	576.79
1/2	3,804.01	1/2	3,460.64	1/2	3,098.31	1/2	2,735.45	1/2	2,372.38	1/2	2,009.32	1/2	1,646.71	1/2	1,283.92	1/2	922.63	1/2	569.84
3/4	3,799.24	3/4	3,453.09	3/4	3,090.76	3/4	2,727.88	3/4	2,364.82	3/4	2,001.76	3/4	1,639.18	3/4	1,276.35	3/4	915.12	3/4	562.89
8	3,793.72	8	3,445.54	8	3,083.21	8	2,720.32	8	2,357.26	8	1,994.19	8	1,631.65	8	1,268.79	8	907.62	8	556.15
1/4	3,788.19	1/4	3,437.99	1/4	3,075.66	1/4	2,712.75	1/4	2,349.69	1/4	1,986.63	1/4	1,624.11	1/4	1,261.22	1/4	900.12	1/4	549.41
1/2	3,782.67	1/2	3,430.44	1/2	3,068.12	1/2	2,705.19	1/2	2,342.13	1/2	1,979.07	1/2	1,616.58	1/2	1,253.66	1/2	892.62	1/2	542.67
3/4	3,777.14	3/4	3,422.89	3/4	3,060.57	3/4	2,697.63	3/4	2,334.56	3/4	1,971.50	3/4	1,609.05	3/4	1,246.09	3/4	885.12	3/4	535.93
9	3,770.86	9	3,415.35	9	3,053.02	9	2,690.06	9	2,327.00	9	1,963.94	9	1,601.52	9	1,238.53	9	877.61	9	529.27
1/4	3,764.58	1/4	3,407.80	1/4	3,045.47	1/4	2,682.50	1/4	2,319.44	1/4	1,956.37	1/4	1,593.98	1/4	1,230.97	1/4	870.11	1/4	522.61
1/2	3,758.30	1/2	3,400.25	1/2	3,037.92	1/2	2,674.94	1/2	2,311.87	1/2	1,948.81	1/2	1,586.45	1/2	1,223.40	1/2	862.61	1/2	515.94
3/4	3,752.02	3/4	3,392.70	3/4	3,030.37	3/4	2,667.37	3/4	2,304.31	3/4	1,941.25	3/4	1,578.92	3/4	1,215.84	3/4	855.11	3/4	509.28
10	3,744.98	10	3,385.15	10	3,022.82	10	2,659.81	10	2,296.75	10	1,933.68	10	1,571.36	10	1,208.27	10	847.61	10	502.67
1/4	3,737.94	1/4	3,377.60	1/4	3,015.28	1/4	2,652.24	1/4	2,289.18	1/4	1,926.12	1/4	1,563.80	1/4	1,200.71	1/4	840.11	1/4	496.06
1/2	3,730.91	1/2	3,370.06	1/2	3,007.73	1/2	2,644.68	1/2	2,281.62	1/2	1,918.56	1/2	1,556.24	1/2	1,193.14	1/2	832.61	1/2	489.45
3/4	3,723.87	3/4	3,362.51	3/4	3,000.18	3/4	2,637.12	3/4	2,274.05	3/4	1,910.99	3/4	1,548.67	3/4	1,185.58	3/4	825.11	3/4	482.85
11	3,716.41	11	3,354.96	11	2,992.62	11	2,629.55	11	2,266.49	11	1,903.43	11	1,541.11	11	1,178.04	11	817.64	11	476.29
1/4	3,708.94	1/4	3,347.41	1/4	2,985.05	1/4	2,621.99	1/4	2,258.93	1/4	1,895.86	1/4	1,533.55	1/4	1,170.51	1/4	810.17	1/4	469.74
1/2	3,701.48	1/2	3,339.86	1/2	2,977.49	1/2	2,614.42	1/2	2,251.36	1/2	1,888.30	1/2	1,525.98	1/2	1,162.97	1/2	802.69	1/2	463.19
3/4	3,694.02	3/4	3,332.31	3/4	2,969.92	3/4	2,606.86	3/4	2,243.80	3/4	1,880.74	3/4	1,518.42	3/4	1,155.44	3/4	795.22	3/4	456.63

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 ULLAGE 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.
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 Pearland, Texas 77588
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BARGE "HSM 712"

1 PORT ULLAGE 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	450.14	0	140.11	0		0		0		0		0		0		0		0	
1/4	443.64	1/4	133.97	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	437.14	1/2	127.82	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	430.64	3/4	121.68	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	424.06	1	115.72	1		1		1		1		1		1		1		1	
1/4	417.48	1/4	109.76	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	410.90	1/2	103.81	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	404.32	3/4	97.85	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	397.63	2	92.11	2		2		2		2		2		2		2		2	
1/4	390.94	1/4	86.38	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	384.26	1/2	80.64	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	377.57	3/4	74.90	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	370.92	3	69.12	3		3		3		3		3		3		3		3	
1/4	364.27	1/4	63.34	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	357.62	1/2	57.57	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	350.97	3/4	51.79	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	344.37	4	46.71	4		4		4		4		4		4		4		4	
1/4	337.78	1/4	41.63	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	331.18	1/2	36.55	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	324.59	3/4	31.47	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	318.05	5	28.01	5		5		5		5		5		5		5		5	
1/4	311.51	1/4	24.54	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	304.97	1/2	21.07	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	298.43	3/4	17.61	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	291.94	6		6		6		6		6		6		6		6		6	
1/4	285.46	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	278.98	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	272.50	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	266.08	7		7		7		7		7		7		7		7		7	
1/4	259.65	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	253.23	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	246.81	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	240.44	8		8		8		8		8		8		8		8		8	
1/4	234.07	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	227.71	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	221.34	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	215.03	9		9		9		9		9		9		9		9		9	
1/4	208.71	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	202.40	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	196.09	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	189.83	10		10		10		10		10		10		10		10		10	
1/4	183.58	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	177.32	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	171.06	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	164.86	11		11		11		11		11		11		11		11		11	
1/4	158.66	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152.46	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	146.26	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 ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-05 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0	3,680.87	0	3,319.09	0	2,956.68	0	2,593.62	0	2,230.55	0	1,867.48	0	1,505.16	0	1,142.06	0	780.47
1/4	1/4	1/4	3,673.35	1/4	3,311.54	1/4	2,949.12	1/4	2,586.05	1/4	2,222.98	1/4	1,859.92	1/4	1,497.59	1/4	1,134.50	1/4	773.01
1/2	1/2	1/2	3,665.84	1/2	3,303.99	1/2	2,941.56	1/2	2,578.49	1/2	2,215.42	1/2	1,852.35	1/2	1,490.03	1/2	1,126.93	1/2	765.56
3/4	3/4	3/4	3,658.33	3/4	3,296.44	3/4	2,933.99	3/4	2,570.92	3/4	2,207.86	3/4	1,844.79	3/4	1,482.47	3/4	1,119.39	3/4	758.14
1		1	3,650.82	1	3,288.89	1	2,926.43	1	2,563.36	1	2,200.29	1	1,837.23	1	1,474.90	1	1,111.84	1	750.72
1/4	1/4	1/4	3,643.31	1/4	3,281.35	1/4	2,918.86	1/4	2,555.80	1/4	2,192.73	1/4	1,829.66	1/4	1,467.34	1/4	1,104.29	1/4	743.30
1/2	1/2	1/2	3,635.80	1/2	3,273.80	1/2	2,911.30	1/2	2,548.23	1/2	2,185.17	1/2	1,822.10	1/2	1,459.77	1/2	1,096.74	1/2	735.87
3/4	3/4	3/4	3,628.29	3/4	3,266.25	3/4	2,903.74	3/4	2,540.67	3/4	2,177.60	3/4	1,814.53	3/4	1,452.21	3/4	1,089.20	3/4	728.50
2		2	3,620.78	2	3,258.70	2	2,896.17	2	2,533.10	2	2,170.04	2	1,806.97	2	1,444.64	2	1,081.65	2	721.13
1/4	1/4	1/4	3,613.27	1/4	3,251.15	1/4	2,888.61	1/4	2,525.54	1/4	2,162.47	1/4	1,799.41	1/4	1,437.08	1/4	1,074.11	1/4	713.76
1/2	1/2	1/2	3,605.76	1/2	3,243.60	1/2	2,881.04	1/2	2,517.98	1/2	2,154.91	1/2	1,791.84	1/2	1,429.51	1/2	1,066.56	1/2	706.39
3/4	3/4	3/4	3,598.25	3/4	3,236.05	3/4	2,873.48	3/4	2,510.41	3/4	2,147.35	3/4	1,784.28	3/4	1,421.95	3/4	1,059.02	3/4	699.08
3		3	3,590.74	3	3,228.51	3	2,865.92	3	2,502.85	3	2,139.78	3	1,776.71	3	1,414.39	3	1,051.48	3	691.76
1/4	1/4	1/4	3,583.23	1/4	3,220.96	1/4	2,858.35	1/4	2,495.29	1/4	2,132.22	1/4	1,769.15	1/4	1,406.82	1/4	1,043.94	1/4	684.45
1/2	1/2	1/2	3,575.72	1/2	3,213.41	1/2	2,850.79	1/2	2,487.72	1/2	2,124.65	1/2	1,761.59	1/2	1,399.26	1/2	1,036.40	1/2	677.13
3/4	3/4	3/4	3,568.17	3/4	3,205.86	3/4	2,843.22	3/4	2,480.16	3/4	2,117.09	3/4	1,754.05	3/4	1,391.69	3/4	1,028.86	3/4	669.87
4		4	3,560.63	4	3,198.31	4	2,835.66	4	2,472.59	4	2,109.53	4	1,746.51	4	1,384.13	4	1,021.32	4	662.61
1/4	1/4	1/4	3,553.09	1/4	3,190.76	1/4	2,828.10	1/4	2,465.03	1/4	2,101.96	1/4	1,738.98	1/4	1,376.56	1/4	1,013.78	1/4	655.35
1/2	1/2	1/2	3,545.54	1/2	3,183.21	1/2	2,820.53	1/2	2,457.47	1/2	2,094.40	1/2	1,731.44	1/2	1,369.00	1/2	1,006.24	1/2	648.09
3/4	3/4	3/4	3,537.99	3/4	3,175.67	3/4	2,812.97	3/4	2,449.90	3/4	2,086.83	3/4	1,723.91	3/4	1,361.43	3/4	998.70	3/4	640.89
5		5	3,530.45	5	3,168.12	5	2,805.41	5	2,442.34	5	2,079.27	5	1,716.38	5	1,353.87	5	991.17	5	633.68
1/4	1/4	1/4	3,522.90	1/4	3,160.57	1/4	2,797.84	1/4	2,434.77	1/4	2,071.71	1/4	1,708.84	1/4	1,346.30	1/4	983.63	1/4	626.48
1/2	1/2	1/2	3,515.35	1/2	3,153.02	1/2	2,790.28	1/2	2,427.21	1/2	2,064.14	1/2	1,701.31	1/2	1,338.74	1/2	976.10	1/2	619.27
3/4	3/4	3/4	3,507.80	3/4	3,145.47	3/4	2,782.71	3/4	2,419.65	3/4	2,056.58	3/4	1,693.78	3/4	1,331.18	3/4	968.56	3/4	612.13
6	3,828.21	6	3,500.25	6	3,137.92	6	2,775.15	6	2,412.08	6	2,049.02	6	1,686.25	6	1,323.61	6	961.03	6	604.98
1/4	3,824.20	1/4	3,492.70	1/4	3,130.38	1/4	2,767.59	1/4	2,404.52	1/4	2,041.45	1/4	1,678.71	1/4	1,316.05	1/4	953.49	1/4	597.84
1/2	3,820.19	1/2	3,485.15	1/2	3,122.83	1/2	2,760.02	1/2	2,396.95	1/2	2,033.89	1/2	1,671.18	1/2	1,308.48	1/2	945.95	1/2	590.69
3/4	3,815.42	3/4	3,477.61	3/4	3,115.28	3/4	2,752.46	3/4	2,389.39	3/4	2,026.32	3/4	1,663.65	3/4	1,300.92	3/4	938.42	3/4	583.74
7	3,810.65	7	3,470.06	7	3,107.73	7	2,744.89	7	2,381.83	7	2,018.76	7	1,656.12	7	1,293.35	7	930.88	7	576.79
1/4	3,805.88	1/4	3,462.51	1/4	3,100.18	1/4	2,737.33	1/4	2,374.26	1/4	2,011.20	1/4	1,648.58	1/4	1,285.79	1/4	923.35	1/4	569.84
1/2	3,801.11	1/2	3,454.96	1/2	3,092.63	1/2	2,729.77	1/2	2,366.70	1/2	2,003.63	1/2	1,641.05	1/2	1,278.22	1/2	915.81	1/2	562.89
3/4	3,795.59	3/4	3,447.41	3/4	3,085.08	3/4	2,722.20	3/4	2,359.14	3/4	1,996.07	3/4	1,633.52	3/4	1,270.66	3/4	908.27	3/4	556.15
8	3,790.06	8	3,439.86	8	3,077.54	8	2,714.64	8	2,351.57	8	1,988.50	8	1,625.99	8	1,263.10	8	900.74	8	549.41
1/4	3,784.54	1/4	3,432.32	1/4	3,069.99	1/4	2,707.07	1/4	2,344.01	1/4	1,980.94	1/4	1,618.45	1/4	1,255.53	1/4	893.20	1/4	542.67
1/2	3,779.01	1/2	3,424.77	1/2	3,062.44	1/2	2,699.51	1/2	2,336.44	1/2	1,973.38	1/2	1,610.92	1/2	1,247.97	1/2	885.67	1/2	535.93
3/4	3,772.73	3/4	3,417.22	3/4	3,054.89	3/4	2,691.95	3/4	2,328.88	3/4	1,965.81	3/4	1,603.39	3/4	1,240.40	3/4	878.13	3/4	529.27
9	3,766.45	9	3,409.67	9	3,047.34	9	2,684.38	9	2,321.32	9	1,958.25	9	1,595.86	9	1,232.84	9	870.60	9	522.61
1/4	3,760.17	1/4	3,402.12	1/4	3,039.79	1/4	2,676.82	1/4	2,313.75	1/4	1,950.68	1/4	1,588.32	1/4	1,225.27	1/4	863.06	1/4	515.94
1/2	3,753.89	1/2	3,394.57	1/2	3,032.24	1/2	2,669.25	1/2	2,306.19	1/2	1,943.12	1/2	1,580.79	1/2	1,217.71	1/2	855.52	1/2	509.28
3/4	3,746.85	3/4	3,387.02	3/4	3,024.70	3/4	2,661.69	3/4	2,298.62	3/4	1,935.56	3/4	1,573.23	3/4	1,210.14	3/4	847.99	3/4	502.67
10	3,739.81	10	3,379.48	10	3,017.15	10	2,654.13	10	2,291.06	10	1,927.99	10	1,565.67	10	1,202.58	10	840.46	10	496.06
1/4	3,732.78	1/4	3,371.93	1/4	3,009.60	1/4	2,646.56	1/4	2,283.50	1/4	1,920.43	1/4	1,558.11	1/4	1,195.02	1/4	832.93	1/4	489.45
1/2	3,725.74	1/2	3,364.38	1/2	3,002.05	1/2	2,639.00	1/2	2,275.93	1/2	1,912.86	1/2	1,550.55	1/2	1,187.45	1/2	825.39	1/2	482.85
3/4	3,718.28	3/4	3,356.83	3/4	2,994.49	3/4	2,631.44	3/4	2,268.37	3/4	1,905.30	3/4	1,542.98	3/4	1,179.89	3/4	817.89	3/4	476.29
11	3,710.81	11	3,349.28	11	2,986.93	11	2,623.87	11	2,260.80	11	1,897.74	11	1,535.42	11	1,172.32	11	810.38	11	469.74
1/4	3,703.35	1/4	3,341.73	1/4	2,979.37	1/4	2,616.31	1/4	2,253.24	1/4	1,890.17	1/4	1,527.85	1/4	1,164.76	1/4	802.88	1/4	463.19
1/2	3,695.89	1/2	3,334.18	1/2	2,971.81	1/2	2,608.74	1/2	2,245.68	1/2	1,882.61	1/2	1,520.29	1/2	1,157.19	1/2	795.37	1/2	456.63
3/4	3,688.38	3/4	3,326.64	3/4	2,964.25	3/4	2,601.18	3/4	2,238.11	3/4	1,875.05	3/4	1,512.72	3/4	1,149.63	3/4	787.92	3/4	450.14

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 ULLAGE 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
ULLAGE 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	443.64	0	133.97	0		0		0		0		0		0		0		0	
1/4	437.14	1/4	127.82	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	430.64	1/2	121.68	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	424.06	3/4	115.72	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	417.48	1	109.76	1		1		1		1		1		1		1		1	
1/4	410.90	1/4	103.81	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	404.32	1/2	97.85	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	397.63	3/4	92.11	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	390.94	2	86.38	2		2		2		2		2		2		2		2	
1/4	384.26	1/4	80.64	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	377.57	1/2	74.90	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	370.92	3/4	69.12	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	364.27	3	63.34	3		3		3		3		3		3		3		3	
1/4	357.62	1/4	57.57	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	350.97	1/2	51.79	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	344.37	3/4	46.71	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	337.78	4	41.63	4		4		4		4		4		4		4		4	
1/4	331.18	1/4	36.55	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	324.59	1/2	31.47	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	318.05	3/4	28.01	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	311.51	5	24.54	5		5		5		5		5		5		5		5	
1/4	304.97	1/4	21.07	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	298.43	1/2	17.61	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	291.94	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	285.46	6		6		6		6		6		6		6		6		6	
1/4	278.98	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	272.50	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	266.08	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	259.65	7		7		7		7		7		7		7		7		7	
1/4	253.23	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	246.81	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	240.44	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	234.07	8		8		8		8		8		8		8		8		8	
1/4	227.71	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	221.34	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	215.03	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	208.71	9		9		9		9		9		9		9		9		9	
1/4	202.40	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	196.09	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	189.83	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	183.58	10		10		10		10		10		10		10		10		10	
1/4	177.32	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	171.06	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164.86	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	158.66	11		11		11		11		11		11		11		11		11	
1/4	152.46	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	146.26	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	140.11	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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Pearland, Texas 77588
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BARGE "HSM 712"

2 PORT ULLAGE 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		0	3,711.50	0	3,354.12	0	2,996.13	0	2,637.50	0	2,278.87	0	1,920.25	0	1,565.60	0	1,209.11	0	867.67
1/4		1/4	3,704.08	1/4	3,346.67	1/4	2,988.66	1/4	2,630.03	1/4	2,271.40	1/4	1,912.78	1/4	1,558.13	1/4	1,201.97	1/4	860.56
1/2		1/2	3,696.67	1/2	3,339.21	1/2	2,981.19	1/2	2,622.56	1/2	2,263.93	1/2	1,905.30	1/2	1,550.66	1/2	1,194.85	1/2	853.13
3/4		3/4	3,689.25	3/4	3,331.76	3/4	2,973.71	3/4	2,615.09	3/4	2,256.46	3/4	1,897.83	3/4	1,543.19	3/4	1,187.72	3/4	845.71
1		1	3,681.83	1	3,324.30	1	2,966.24	1	2,607.62	1	2,248.99	1	1,890.36	1	1,535.71	1	1,180.60	1	838.28
1/4		1/4	3,674.41	1/4	3,316.84	1/4	2,958.77	1/4	2,600.14	1/4	2,241.52	1/4	1,882.89	1/4	1,528.24	1/4	1,173.48	1/4	830.85
1/2		1/2	3,666.99	1/2	3,309.39	1/2	2,951.30	1/2	2,592.67	1/2	2,234.05	1/2	1,875.42	1/2	1,520.77	1/2	1,166.36	1/2	823.38
3/4		3/4	3,659.57	3/4	3,301.93	3/4	2,943.83	3/4	2,585.20	3/4	2,226.57	3/4	1,867.95	3/4	1,513.30	3/4	1,159.24	3/4	815.91
2		2	3,652.16	2	3,294.48	2	2,936.36	2	2,577.73	2	2,219.10	2	1,860.48	2	1,505.83	2	1,152.12	2	808.44
1/4		1/4	3,644.74	1/4	3,287.02	1/4	2,928.89	1/4	2,570.26	1/4	2,211.63	1/4	1,853.00	1/4	1,498.35	1/4	1,145.00	1/4	800.97
1/2		1/2	3,637.32	1/2	3,279.56	1/2	2,921.41	1/2	2,562.79	1/2	2,204.16	1/2	1,845.53	1/2	1,490.88	1/2	1,137.89	1/2	793.49
3/4		3/4	3,629.90	3/4	3,272.11	3/4	2,913.94	3/4	2,555.32	3/4	2,196.69	3/4	1,838.06	3/4	1,483.41	3/4	1,130.77	3/4	786.02
3		3	3,622.48	3	3,264.65	3	2,906.47	3	2,547.84	3	2,189.22	3	1,830.59	3	1,475.94	3	1,123.66	3	778.55
1/4		1/4	3,615.07	1/4	3,257.20	1/4	2,899.00	1/4	2,540.37	1/4	2,181.75	1/4	1,823.12	1/4	1,468.47	1/4	1,116.54	1/4	771.08
1/2		1/2	3,607.61	1/2	3,249.74	1/2	2,891.53	1/2	2,532.90	1/2	2,174.27	1/2	1,815.79	1/2	1,460.99	1/2	1,109.43	1/2	763.61
3/4		3/4	3,600.16	3/4	3,242.28	3/4	2,884.06	3/4	2,525.43	3/4	2,166.80	3/4	1,808.47	3/4	1,453.52	3/4	1,102.31	3/4	756.14
4		4	3,592.71	4	3,234.83	4	2,876.59	4	2,517.96	4	2,159.33	4	1,801.14	4	1,446.05	4	1,095.20	4	748.66
1/4		1/4	3,585.26	1/4	3,227.37	1/4	2,869.11	1/4	2,510.49	1/4	2,151.86	1/4	1,793.81	1/4	1,438.58	1/4	1,088.09	1/4	741.19
1/2		1/2	3,577.81	1/2	3,219.91	1/2	2,861.64	1/2	2,503.02	1/2	2,144.39	1/2	1,786.51	1/2	1,431.11	1/2	1,080.98	1/2	733.72
3/4		3/4	3,570.35	3/4	3,212.46	3/4	2,854.17	3/4	2,495.54	3/4	2,136.92	3/4	1,779.20	3/4	1,423.63	3/4	1,073.86	3/4	726.25
5		5	3,562.90	5	3,205.00	5	2,846.70	5	2,488.07	5	2,129.45	5	1,771.90	5	1,416.16	5	1,066.75	5	718.78
1/4		1/4	3,555.44	1/4	3,197.55	1/4	2,839.23	1/4	2,480.60	1/4	2,121.97	1/4	1,764.59	1/4	1,408.69	1/4	1,059.64	1/4	711.30
1/2		1/2	3,547.98	1/2	3,190.09	1/2	2,831.76	1/2	2,473.13	1/2	2,114.50	1/2	1,757.29	1/2	1,401.22	1/2	1,052.53	1/2	703.84
3/4		3/4	3,864.46	3/4	3,540.53	3/4	3,182.63	3/4	2,824.29	3/4	2,465.66	3/4	2,107.03	3/4	1,749.98	3/4	1,393.74	3/4	696.37
6		6	3,860.50	6	3,533.07	6	3,175.18	6	2,816.81	6	2,458.19	6	2,099.56	6	1,742.68	6	1,386.27	6	688.90
1/4		1/4	3,856.54	1/4	3,525.61	1/4	3,167.72	1/4	2,809.34	1/4	2,450.72	1/4	2,092.09	1/4	1,735.37	1/4	1,378.80	1/4	681.43
1/2		1/2	3,851.83	1/2	3,518.16	1/2	3,160.27	1/2	2,801.87	1/2	2,443.24	1/2	2,084.62	1/2	1,728.07	1/2	1,371.33	1/2	674.10
3/4		3/4	3,847.12	3/4	3,510.70	3/4	3,152.81	3/4	2,794.40	3/4	2,435.77	3/4	2,077.15	3/4	1,720.76	3/4	1,363.86	3/4	666.77
7		7	3,842.41	7	3,503.25	7	3,145.35	7	2,786.93	7	2,428.30	7	2,069.67	7	1,713.46	7	1,356.38	7	659.44
1/4		1/4	3,837.70	1/4	3,495.79	1/4	3,137.90	1/4	2,779.46	1/4	2,420.83	1/4	2,062.20	1/4	1,706.15	1/4	1,348.91	1/4	652.11
1/2		1/2	3,832.24	1/2	3,488.33	1/2	3,130.44	1/2	2,771.99	1/2	2,413.36	1/2	2,054.73	1/2	1,698.85	1/2	1,341.44	1/2	644.94
3/4		3/4	3,826.78	3/4	3,480.88	3/4	3,122.99	3/4	2,764.51	3/4	2,405.89	3/4	2,047.26	3/4	1,691.54	3/4	1,333.97	3/4	637.77
8		8	3,821.33	8	3,473.42	8	3,115.53	8	2,757.04	8	2,398.42	8	2,039.79	8	1,684.24	8	1,326.50	8	630.60
1/4		1/4	3,815.87	1/4	3,465.97	1/4	3,108.07	1/4	2,749.57	1/4	2,390.94	1/4	2,032.32	1/4	1,676.93	1/4	1,319.02	1/4	623.43
1/2		1/2	3,809.67	1/2	3,458.51	1/2	3,100.62	1/2	2,742.10	1/2	2,383.47	1/2	2,024.85	1/2	1,669.63	1/2	1,311.55	1/2	616.27
3/4		3/4	3,803.46	3/4	3,451.05	3/4	3,093.16	3/4	2,734.63	3/4	2,376.00	3/4	2,017.37	3/4	1,662.32	3/4	1,304.08	3/4	609.12
9		9	3,797.26	9	3,443.60	9	3,085.70	9	2,727.16	9	2,368.53	9	2,009.90	9	1,655.02	9	1,296.61	9	601.97
1/4		1/4	3,791.06	1/4	3,436.14	1/4	3,078.25	1/4	2,719.69	1/4	2,361.06	1/4	2,002.43	1/4	1,647.71	1/4	1,289.14	1/4	594.82
1/2		1/2	3,784.10	1/2	3,428.69	1/2	3,070.79	1/2	2,712.21	1/2	2,353.59	1/2	1,994.96	1/2	1,640.26	1/2	1,281.66	1/2	587.66
3/4		3/4	3,777.15	3/4	3,421.23	3/4	3,063.34	3/4	2,704.74	3/4	2,346.12	3/4	1,987.49	3/4	1,632.81	3/4	1,274.19	3/4	580.51
10		10	3,770.20	10	3,413.77	10	3,055.88	10	2,697.27	10	2,338.64	10	1,980.02	10	1,625.36	10	1,266.72	10	573.36
1/4		1/4	3,763.25	1/4	3,406.32	1/4	3,048.42	1/4	2,689.80	1/4	2,331.17	1/4	1,972.55	1/4	1,617.91	1/4	1,259.25	1/4	566.21
1/2		1/2	3,755.87	1/2	3,398.86	1/2	3,040.95	1/2	2,682.33	1/2	2,323.70	1/2	1,965.07	1/2	1,610.44	1/2	1,252.07	1/2	559.06
3/4		3/4	3,748.50	3/4	3,391.40	3/4	3,033.48	3/4	2,674.86	3/4	2,316.23	3/4	1,957.60	3/4	1,602.96	3/4	1,244.89	3/4	551.90
11		11	3,741.13	11	3,383.95	11	3,026.01	11	2,667.39	11	2,308.76	11	1,950.13	11	1,595.49	11	1,237.71	11	544.75
1/4		1/4	3,733.76	1/4	3,376.49	1/4	3,018.54	1/4	2,659.92	1/4	2,301.29	1/4	1,942.66	1/4	1,588.02	1/4	1,230.52	1/4	537.60
1/2		1/2	3,726.34	1/2	3,369.04	1/2	3,011.07	1/2	2,652.44	1/2	2,293.82	1/2	1,935.19	1/2	1,580.55	1/2	1,223.39	1/2	530.45
3/4		3/4	3,718.92	3/4	3,361.58	3/4	3,003.60	3/4	2,644.97	3/4	2,286.35	3/4	1,927.72	3/4	1,573.08	3/4	1,216.25	3/4	523.29

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 ULLAGE 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 PORT ULLAGE 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	516.14	0	158.78	0		0		0		0		0		0		0		0	
1/4	508.99	1/4	151.31	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	501.70	1/2	143.98	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	494.40	3/4	136.65	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	487.11	1	129.32	1		1		1		1		1		1		1		1	
1/4	479.82	1/4	121.99	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	472.37	1/2	114.82	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	464.92	3/4	107.66	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	457.46	2	100.49	2		2		2		2		2		2		2		2	
1/4	450.01	1/4	93.32	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	442.54	1/2	86.05	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	435.07	3/4	78.79	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	427.60	3	71.53	3		3		3		3		3		3		3		3	
1/4	420.13	1/4	64.27	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	412.65	1/2	57.64	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	405.18	3/4	51.01	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	397.71	4	44.38	4		4		4		4		4		4		4		4	
1/4	390.24	1/4	37.75	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	382.77	1/2	32.84	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	375.29	3/4	27.94	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	367.82	5	23.04	5		5		5		5		5		5		5		5	
1/4	360.35	1/4	18.13	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	352.88	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	345.41	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	337.94	6		6		6		6		6		6		6		6		6	
1/4	330.48	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	323.01	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	315.54	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	308.08	7		7		7		7		7		7		7		7		7	
1/4	300.61	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	293.15	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	285.68	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	278.22	8		8		8		8		8		8		8		8		8	
1/4	270.75	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	263.29	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	255.82	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	248.36	9		9		9		9		9		9		9		9		9	
1/4	240.89	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	233.43	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	225.96	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	218.50	10		10		10		10		10		10		10		10		10	
1/4	211.03	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	203.57	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	196.10	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	188.64	11		11		11		11		11		11		11		11		11	
1/4	181.17	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	173.71	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	166.24	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
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BARGE "HSM 712"

2 STBD ULLAGE 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		0	3,737.58	0	3,380.24	0	3,022.26	0	2,663.63	0	2,305.00	0	1,946.38	0	1,591.73	0	1,233.07	0	875.61
1/4	1/4	3,730.16	1/4	3,372.78	1/4	3,014.79	1/4	2,656.16	1/4	2,297.53	1/4	1,938.91	1/4	1,584.26	1/4	1,225.60	1/4	868.17	
1/2	1/2	3,722.74	1/2	3,365.33	1/2	3,007.32	1/2	2,648.69	1/2	2,290.06	1/2	1,931.43	1/2	1,576.79	1/2	1,218.13	1/2	860.73	
3/4	3/4	3,715.33	3/4	3,357.87	3/4	2,999.84	3/4	2,641.22	3/4	2,282.59	3/4	1,923.96	3/4	1,569.32	3/4	1,210.67	3/4	853.26	
1	1	3,707.91	1	3,350.42	1	2,992.37	1	2,633.75	1	2,275.12	1	1,916.49	1	1,561.85	1	1,203.22	1	845.79	
1/4	1/4	3,700.49	1/4	3,342.96	1/4	2,984.90	1/4	2,626.27	1/4	2,267.65	1/4	1,909.02	1/4	1,554.37	1/4	1,195.76	1/4	838.32	
1/2	1/2	3,693.07	1/2	3,335.50	1/2	2,977.43	1/2	2,618.80	1/2	2,260.18	1/2	1,901.55	1/2	1,546.90	1/2	1,188.31	1/2	830.85	
3/4	3/4	3,685.65	3/4	3,328.05	3/4	2,969.96	3/4	2,611.33	3/4	2,252.70	3/4	1,894.08	3/4	1,539.43	3/4	1,180.85	3/4	823.38	
2	2	3,678.23	2	3,320.59	2	2,962.49	2	2,603.86	2	2,245.23	2	1,886.61	2	1,531.96	2	1,173.40	2	815.91	
1/4	1/4	3,670.82	1/4	3,313.13	1/4	2,955.02	1/4	2,596.39	1/4	2,237.76	1/4	1,879.13	1/4	1,524.49	1/4	1,165.95	1/4	808.44	
1/2	1/2	3,663.40	1/2	3,305.68	1/2	2,947.54	1/2	2,588.92	1/2	2,230.29	1/2	1,871.66	1/2	1,517.01	1/2	1,158.49	1/2	800.97	
3/4	3/4	3,655.98	3/4	3,298.22	3/4	2,940.07	3/4	2,581.45	3/4	2,222.82	3/4	1,864.19	3/4	1,509.54	3/4	1,151.05	3/4	793.49	
3	3	3,648.56	3	3,290.77	3	2,932.60	3	2,573.97	3	2,215.35	3	1,856.72	3	1,502.07	3	1,143.60	3	786.02	
1/4	1/4	3,641.14	1/4	3,283.31	1/4	2,925.13	1/4	2,566.50	1/4	2,207.88	1/4	1,849.25	1/4	1,494.60	1/4	1,136.15	1/4	778.55	
1/2	1/2	3,633.72	1/2	3,275.85	1/2	2,917.66	1/2	2,559.03	1/2	2,200.40	1/2	1,841.78	1/2	1,487.13	1/2	1,128.70	1/2	771.08	
3/4	3/4	3,626.27	3/4	3,268.40	3/4	2,910.19	3/4	2,551.56	3/4	2,192.93	3/4	1,834.45	3/4	1,479.65	3/4	1,121.26	3/4	763.61	
4	4	3,618.82	4	3,260.94	4	2,902.72	4	2,544.09	4	2,185.46	4	1,827.13	4	1,472.18	4	1,113.81	4	756.14	
1/4	1/4	3,611.37	1/4	3,253.49	1/4	2,895.24	1/4	2,536.62	1/4	2,177.99	1/4	1,819.80	1/4	1,464.71	1/4	1,106.36	1/4	748.66	
1/2	1/2	3,603.92	1/2	3,246.03	1/2	2,887.77	1/2	2,529.15	1/2	2,170.52	1/2	1,812.47	1/2	1,457.24	1/2	1,098.91	1/2	741.19	
3/4	3/4	3,596.47	3/4	3,238.57	3/4	2,880.30	3/4	2,521.67	3/4	2,163.05	3/4	1,805.17	3/4	1,449.76	3/4	1,091.47	3/4	733.72	
5	5	3,589.01	5	3,231.12	5	2,872.83	5	2,514.20	5	2,155.58	5	1,797.86	5	1,442.29	5	1,084.03	5	726.25	
1/4	1/4	3,581.55	1/4	3,223.66	1/4	2,865.36	1/4	2,506.73	1/4	2,148.10	1/4	1,790.56	1/4	1,434.82	1/4	1,076.58	1/4	718.78	
1/2	1/2	3,574.10	1/2	3,216.21	1/2	2,857.89	1/2	2,499.26	1/2	2,140.63	1/2	1,783.25	1/2	1,427.35	1/2	1,069.14	1/2	711.30	
3/4	3/4	3,566.64	3/4	3,208.75	3/4	2,850.42	3/4	2,491.79	3/4	2,133.16	3/4	1,775.95	3/4	1,419.88	3/4	1,061.70	3/4	703.84	
6	3,883.12	6	3,559.19	6	3,201.29	6	2,842.95	6	2,484.32	6	2,125.69	6	1,768.64	6	1,412.40	6	1,054.25	6	696.37
1/4	3,879.16	1/4	3,551.73	1/4	3,193.84	1/4	2,835.47	1/4	2,476.85	1/4	2,118.22	1/4	1,761.34	1/4	1,404.93	1/4	1,046.81	1/4	688.90
1/2	3,875.19	1/2	3,544.27	1/2	3,186.38	1/2	2,828.00	1/2	2,469.38	1/2	2,110.75	1/2	1,754.03	1/2	1,397.46	1/2	1,039.37	1/2	681.43
3/4	3,870.49	3/4	3,536.82	3/4	3,178.93	3/4	2,820.53	3/4	2,461.90	3/4	2,103.28	3/4	1,746.73	3/4	1,389.99	3/4	1,031.92	3/4	674.10
7	3,865.78	7	3,529.36	7	3,171.47	7	2,813.06	7	2,454.43	7	2,095.81	7	1,739.42	7	1,382.52	7	1,024.48	7	666.77
1/4	3,861.07	1/4	3,521.91	1/4	3,164.01	1/4	2,805.59	1/4	2,446.96	1/4	2,088.33	1/4	1,732.12	1/4	1,375.04	1/4	1,017.04	1/4	659.44
1/2	3,856.36	1/2	3,514.45	1/2	3,156.56	1/2	2,798.12	1/2	2,439.49	1/2	2,080.86	1/2	1,724.81	1/2	1,367.57	1/2	1,009.59	1/2	652.11
3/4	3,850.90	3/4	3,506.99	3/4	3,149.10	3/4	2,790.65	3/4	2,432.02	3/4	2,073.39	3/4	1,717.51	3/4	1,360.10	3/4	1,002.15	3/4	644.94
8	3,845.44	8	3,499.54	8	3,141.64	8	2,783.17	8	2,424.55	8	2,065.92	8	1,710.20	8	1,352.63	8	994.71	8	637.77
1/4	3,839.99	1/4	3,492.08	1/4	3,134.19	1/4	2,775.70	1/4	2,417.08	1/4	2,058.45	1/4	1,702.90	1/4	1,345.16	1/4	987.26	1/4	630.60
1/2	3,834.53	1/2	3,484.63	1/2	3,126.73	1/2	2,768.23	1/2	2,409.60	1/2	2,050.98	1/2	1,695.59	1/2	1,337.68	1/2	979.82	1/2	623.43
3/4	3,828.33	3/4	3,477.17	3/4	3,119.28	3/4	2,760.76	3/4	2,402.13	3/4	2,043.51	3/4	1,688.29	3/4	1,330.21	3/4	972.38	3/4	616.27
9	3,822.12	9	3,469.71	9	3,111.82	9	2,753.29	9	2,394.66	9	2,036.03	9	1,680.98	9	1,322.74	9	964.93	9	609.12
1/4	3,815.92	1/4	3,462.26	1/4	3,104.36	1/4	2,745.82	1/4	2,387.19	1/4	2,028.56	1/4	1,673.68	1/4	1,315.27	1/4	957.49	1/4	601.97
1/2	3,809.71	1/2	3,454.80	1/2	3,096.91	1/2	2,738.35	1/2	2,379.72	1/2	2,021.09	1/2	1,666.37	1/2	1,307.79	1/2	950.05	1/2	594.82
3/4	3,802.76	3/4	3,447.34	3/4	3,089.45	3/4	2,730.87	3/4	2,372.25	3/4	2,013.62	3/4	1,658.92	3/4	1,300.32	3/4	942.60	3/4	587.66
10	3,795.81	10	3,439.89	10	3,082.00	10	2,723.40	10	2,364.78	10	2,006.15	10	1,651.47	10	1,292.85	10	935.16	10	580.51
1/4	3,788.86	1/4	3,432.43	1/4	3,074.54	1/4	2,715.93	1/4	2,357.30	1/4	1,998.68	1/4	1,644.02	1/4	1,285.38	1/4	927.72	1/4	573.36
1/2	3,781.90	1/2	3,424.98	1/2	3,067.08	1/2	2,708.46	1/2	2,349.83	1/2	1,991.21	1/2	1,636.57	1/2	1,277.91	1/2	920.27	1/2	566.21
3/4	3,774.53	3/4	3,417.52	3/4	3,059.61	3/4	2,700.99	3/4	2,342.36	3/4	1,983.73	3/4	1,629.10	3/4	1,270.43	3/4	912.83	3/4	559.06
11	3,767.16	11	3,410.06	11	3,052.14	11	2,693.52	11	2,334.89	11	1,976.26	11	1,621.62	11	1,262.96	11	905.39	11	551.90
1/4	3,759.79	1/4	3,402.61	1/4	3,044.67	1/4	2,686.05	1/4	2,327.42	1/4	1,968.79	1/4	1,614.15	1/4	1,255.49	1/4	897.94	1/4	544.75
1/2	3,752.42	1/2	3,395.15	1/2	3,037.20	1/2	2,678.57	1/2	2,319.95	1/2	1,961.32	1/2	1,606.68	1/2	1,248.02	1/2	890.50	1/2	537.60
3/4	3,745.00	3/4	3,387.70	3/4	3,029.73	3/4	2,671.10	3/4	2,312.48	3/4	1,953.85	3/4	1,599.21	3/4	1,240.55	3/4	883.06	3/4	530.45

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 ULLAGE 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 STBD
ULLAGE 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	523.29	0	166.24	0		0		0		0		0		0		0		0	
1/4	516.14	1/4	158.78	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	508.99	1/2	151.31	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	501.70	3/4	143.98	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	494.40	1	136.65	1		1		1		1		1		1		1		1	
1/4	487.11	1/4	129.32	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	479.82	1/2	121.99	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	472.37	3/4	114.82	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	464.92	2	107.66	2		2		2		2		2		2		2		2	
1/4	457.46	1/4	100.49	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	450.01	1/2	93.32	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	442.54	3/4	86.05	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	435.07	3	78.79	3		3		3		3		3		3		3		3	
1/4	427.60	1/4	71.53	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	420.13	1/2	64.27	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	412.65	3/4	57.64	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	405.18	4	51.01	4		4		4		4		4		4		4		4	
1/4	397.71	1/4	44.38	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	390.24	1/2	37.75	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	382.77	3/4	32.84	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	375.29	5	27.94	5		5		5		5		5		5		5		5	
1/4	367.82	1/4	23.04	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	360.35	1/2	18.13	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	352.88	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	345.41	6		6		6		6		6		6		6		6		6	
1/4	337.94	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	330.48	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	323.01	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	315.54	7		7		7		7		7		7		7		7		7	
1/4	308.08	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	300.61	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	293.15	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	285.68	8		8		8		8		8		8		8		8		8	
1/4	278.22	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	270.75	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	263.29	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	255.82	9		9		9		9		9		9		9		9		9	
1/4	248.36	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	240.89	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	233.43	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	225.96	10		10		10		10		10		10		10		10		10	
1/4	218.50	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	211.03	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	203.57	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	196.10	11		11		11		11		11		11		11		11		11	
1/4	188.64	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	181.17	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	173.71	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 ULLAGE 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		0	3,705.02	0	3,349.69	0	2,993.71	0	2,637.05	0	2,280.40	0	1,923.94	0	1,571.27	0	1,216.47	0	877.87
1/4		1/4	3,697.64	1/4	3,342.28	1/4	2,986.28	1/4	2,629.62	1/4	2,272.97	1/4	1,916.51	1/4	1,563.85	1/4	1,209.39	1/4	870.82
1/2		1/2	3,690.27	1/2	3,334.86	1/2	2,978.85	1/2	2,622.19	1/2	2,265.54	1/2	1,909.09	1/2	1,556.43	1/2	1,202.31	1/2	863.77
3/4		3/4	3,682.89	3/4	3,327.45	3/4	2,971.42	3/4	2,614.76	3/4	2,258.11	3/4	1,901.67	3/4	1,549.00	3/4	1,195.24	3/4	856.72
1		1	3,675.51	1	3,320.03	1	2,963.99	1	2,607.33	1	2,250.68	1	1,894.25	1	1,541.58	1	1,188.17	1	849.33
1/4		1/4	3,668.13	1/4	3,312.62	1/4	2,956.56	1/4	2,599.90	1/4	2,243.25	1/4	1,886.82	1/4	1,534.15	1/4	1,181.11	1/4	841.94
1/2		1/2	3,660.76	1/2	3,305.20	1/2	2,949.13	1/2	2,592.47	1/2	2,235.82	1/2	1,879.40	1/2	1,526.73	1/2	1,174.05	1/2	834.56
3/4		3/4	3,653.38	3/4	3,297.79	3/4	2,941.70	3/4	2,585.04	3/4	2,228.39	3/4	1,871.98	3/4	1,519.31	3/4	1,166.99	3/4	827.17
2		2	3,646.00	2	3,290.37	2	2,934.27	2	2,577.61	2	2,220.96	2	1,864.56	2	1,511.88	2	1,159.93	2	819.74
1/4		1/4	3,638.63	1/4	3,282.96	1/4	2,926.84	1/4	2,570.18	1/4	2,213.53	1/4	1,857.13	1/4	1,504.46	1/4	1,152.87	1/4	812.30
1/2		1/2	3,631.25	1/2	3,275.54	1/2	2,919.41	1/2	2,562.75	1/2	2,206.10	1/2	1,849.71	1/2	1,497.03	1/2	1,145.81	1/2	804.87
3/4		3/4	3,623.87	3/4	3,268.13	3/4	2,911.98	3/4	2,555.32	3/4	2,198.67	3/4	1,842.29	3/4	1,489.61	3/4	1,138.75	3/4	797.44
3		3	3,616.49	3	3,260.71	3	2,904.55	3	2,547.89	3	2,191.24	3	1,834.87	3	1,482.19	3	1,131.69	3	790.00
1/4		1/4	3,609.12	1/4	3,253.30	1/4	2,897.12	1/4	2,540.46	1/4	2,183.81	1/4	1,827.44	1/4	1,474.76	1/4	1,124.64	1/4	782.57
1/2		1/2	3,601.74	1/2	3,245.88	1/2	2,889.68	1/2	2,533.03	1/2	2,176.38	1/2	1,820.02	1/2	1,467.34	1/2	1,117.58	1/2	775.13
3/4		3/4	3,594.36	3/4	3,238.47	3/4	2,882.25	3/4	2,525.60	3/4	2,168.95	3/4	1,812.60	3/4	1,459.91	3/4	1,110.53	3/4	767.70
4		4	3,586.95	4	3,231.05	4	2,874.82	4	2,518.17	4	2,161.52	4	1,805.31	4	1,452.49	4	1,103.48	4	760.27
1/4		1/4	3,579.54	1/4	3,223.64	1/4	2,867.39	1/4	2,510.74	1/4	2,154.09	1/4	1,798.02	1/4	1,445.07	1/4	1,096.42	1/4	752.83
1/2		1/2	3,572.13	1/2	3,216.22	1/2	2,859.96	1/2	2,503.31	1/2	2,146.65	1/2	1,790.73	1/2	1,437.64	1/2	1,089.37	1/2	745.40
3/4		3/4	3,564.72	3/4	3,208.81	3/4	2,852.53	3/4	2,495.88	3/4	2,139.22	3/4	1,783.44	3/4	1,430.22	3/4	1,082.32	3/4	737.96
5		5	3,557.31	5	3,201.39	5	2,845.10	5	2,488.45	5	2,131.79	5	1,776.17	5	1,422.79	5	1,075.27	5	730.53
1/4		1/4	3,549.89	1/4	3,193.98	1/4	2,837.67	1/4	2,481.02	1/4	2,124.36	1/4	1,768.90	1/4	1,415.37	1/4	1,068.22	1/4	723.10
1/2		1/2	3,542.48	1/2	3,186.56	1/2	2,830.24	1/2	2,473.59	1/2	2,116.93	1/2	1,761.62	1/2	1,407.94	1/2	1,061.17	1/2	715.66
3/4		3/4	3,535.06	3/4	3,179.15	3/4	2,822.81	3/4	2,466.16	3/4	2,109.50	3/4	1,754.35	3/4	1,400.52	3/4	1,054.12	3/4	708.23
6		6	3,527.65	6	3,171.73	6	2,815.38	6	2,458.73	6	2,102.08	6	1,747.08	6	1,393.10	6	1,047.07	6	700.80
1/4	3,842.37	1/4	3,520.23	1/4	3,164.32	1/4	2,807.95	1/4	2,451.30	1/4	2,094.66	1/4	1,739.81	1/4	1,385.67	1/4	1,040.02	1/4	693.37
1/2	3,838.43	1/2	3,512.82	1/2	3,156.90	1/2	2,800.52	1/2	2,443.87	1/2	2,087.23	1/2	1,732.54	1/2	1,378.25	1/2	1,032.97	1/2	685.94
3/4	3,834.48	3/4	3,505.40	3/4	3,149.49	3/4	2,793.09	3/4	2,436.44	3/4	2,079.81	3/4	1,725.27	3/4	1,370.82	3/4	1,025.92	3/4	678.52
7	3,829.79	7	3,497.99	7	3,142.07	7	2,785.66	7	2,429.01	7	2,072.39	7	1,718.00	7	1,363.40	7	1,018.87	7	671.23
1/4	3,825.11	1/4	3,490.57	1/4	3,134.66	1/4	2,778.23	1/4	2,421.58	1/4	2,064.96	1/4	1,710.73	1/4	1,355.98	1/4	1,011.82	1/4	663.94
1/2	3,820.42	1/2	3,483.16	1/2	3,127.24	1/2	2,770.80	1/2	2,414.15	1/2	2,057.54	1/2	1,703.46	1/2	1,348.55	1/2	1,004.77	1/2	656.65
3/4	3,815.73	3/4	3,475.74	3/4	3,119.83	3/4	2,763.37	3/4	2,406.72	3/4	2,050.12	3/4	1,696.18	3/4	1,341.13	3/4	997.72	3/4	649.36
8	3,810.30	8	3,468.33	8	3,112.41	8	2,755.94	8	2,399.29	8	2,042.70	8	1,688.91	8	1,333.70	8	990.67	8	642.23
1/4	3,804.88	1/4	3,460.91	1/4	3,105.00	1/4	2,748.51	1/4	2,391.85	1/4	2,035.27	1/4	1,681.64	1/4	1,326.28	1/4	983.62	1/4	635.10
1/2	3,799.46	1/2	3,453.50	1/2	3,097.58	1/2	2,741.08	1/2	2,384.42	1/2	2,027.85	1/2	1,674.37	1/2	1,318.86	1/2	976.57	1/2	627.97
3/4	3,794.03	3/4	3,446.08	3/4	3,090.17	3/4	2,733.65	3/4	2,376.99	3/4	2,020.43	3/4	1,667.10	3/4	1,311.43	3/4	969.52	3/4	620.84
9	3,787.86	9	3,438.67	9	3,082.75	9	2,726.22	9	2,369.56	9	2,013.01	9	1,659.83	9	1,304.01	9	962.47	9	613.73
1/4	3,781.70	1/4	3,431.25	1/4	3,075.34	1/4	2,718.79	1/4	2,362.13	1/4	2,005.58	1/4	1,652.56	1/4	1,296.58	1/4	955.42	1/4	606.62
1/2	3,775.53	1/2	3,423.84	1/2	3,067.92	1/2	2,711.36	1/2	2,354.70	1/2	1,998.16	1/2	1,645.29	1/2	1,289.16	1/2	948.37	1/2	599.50
3/4	3,769.36	3/4	3,416.42	3/4	3,060.51	3/4	2,703.93	3/4	2,347.27	3/4	1,990.74	3/4	1,638.02	3/4	1,281.74	3/4	941.32	3/4	592.39
10	3,762.45	10	3,409.01	10	3,053.09	10	2,696.50	10	2,339.84	10	1,983.32	10	1,630.61	10	1,274.31	10	934.27	10	585.28
1/4	3,755.54	1/4	3,401.59	1/4	3,045.68	1/4	2,689.07	1/4	2,332.41	1/4	1,975.89	1/4	1,623.21	1/4	1,266.89	1/4	927.22	1/4	578.17
1/2	3,748.63	1/2	3,394.18	1/2	3,038.26	1/2	2,681.64	1/2	2,324.98	1/2	1,968.47	1/2	1,615.80	1/2	1,259.46	1/2	920.17	1/2	571.06
3/4	3,741.72	3/4	3,386.77	3/4	3,030.85	3/4	2,674.21	3/4	2,317.55	3/4	1,961.05	3/4	1,608.40	3/4	1,252.04	3/4	913.12	3/4	563.95
11	3,734.39	11	3,379.35	11	3,023.42	11	2,666.78	11	2,310.12	11	1,953.63	11	1,600.97	11	1,244.92	11	906.07	11	556.84
1/4	3,727.06	1/4	3,371.94	1/4	3,015.99	1/4	2,659.35	1/4	2,302.69	1/4	1,946.20	1/4	1,593.55	1/4	1,237.79	1/4	899.02	1/4	549.72
1/2	3,719.73	1/2	3,364.52	1/2	3,008.57	1/2	2,651.92	1/2	2,295.26	1/2	1,938.78	1/2	1,586.12	1/2	1,230.67	1/2	891.97	1/2	542.61
3/4	3,712.40	3/4	3,357.11	3/4	3,001.14	3/4	2,644.49	3/4	2,287.83	3/4	1,931.36	3/4	1,578.70	3/4	1,223.55	3/4	884.92	3/4	535.50

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 ULLAGE 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 PORT ULLAGE 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	528.39	0	173.09	0		0		0		0		0		0		0		0	
1/4	521.27	1/4	165.65	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	514.16	1/2	158.21	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	507.05	3/4	150.78	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	499.79	1	143.47	1		1		1		1		1		1		1		1	
1/4	492.54	1/4	136.17	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	485.28	1/2	128.86	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	478.03	3/4	121.56	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	470.61	2	114.42	2		2		2		2		2		2		2		2	
1/4	463.20	1/4	107.27	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	455.79	1/2	100.13	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	448.37	3/4	92.99	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	440.94	3	85.75	3		3		3		3		3		3		3		3	
1/4	433.50	1/4	78.52	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	426.07	1/2	71.28	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	418.64	3/4	64.04	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	411.19	4	57.44	4		4		4		4		4		4		4		4	
1/4	403.75	1/4	50.83	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	396.30	1/2	44.22	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	388.86	3/4	37.62	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	381.41	5	32.73	5		5		5		5		5		5		5		5	
1/4	373.97	1/4	27.84	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	366.52	1/2	22.96	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	359.08	3/4	18.07	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	351.64	6	=====	6		6		6		6		6		6		6		6	
1/4	344.19	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	336.75	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	329.31	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	321.87	7		7		7		7		7		7		7		7		7	
1/4	314.43	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	306.99	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	299.55	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	292.11	8		8		8		8		8		8		8		8		8	
1/4	284.67	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	277.24	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	269.80	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	262.36	9		9		9		9		9		9		9		9		9	
1/4	254.92	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	247.48	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	240.04	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	232.60	10		10		10		10		10		10		10		10		10	
1/4	225.16	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	217.72	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	210.29	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	202.85	11		11		11		11		11		11		11		11		11	
1/4	195.41	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	187.97	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	180.53	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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Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HSM 712"

3 STBD ULLAGE 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		0	3,723.32	0	3,367.32	0	3,010.69	0	2,653.41	0	2,296.13	0	1,939.45	0	1,586.11	0	1,228.70	0	872.50
1/4	1/4	1/4	3,715.93	1/4	3,359.89	1/4	3,003.25	1/4	2,645.97	1/4	2,288.68	1/4	1,932.01	1/4	1,578.66	1/4	1,221.26	1/4	865.09
1/2	1/2	1/2	3,708.54	1/2	3,352.46	1/2	2,995.81	1/2	2,638.52	1/2	2,281.24	1/2	1,924.56	1/2	1,571.21	1/2	1,213.81	1/2	857.67
3/4	3/4	3/4	3,701.15	3/4	3,345.04	3/4	2,988.36	3/4	2,631.08	3/4	2,273.80	3/4	1,917.12	3/4	1,563.77	3/4	1,206.38	3/4	850.23
1		1	3,693.76	1	3,337.61	1	2,980.92	1	2,623.64	1	2,266.35	1	1,909.67	1	1,556.32	1	1,198.95	1	842.78
1/4	1/4	1/4	3,686.37	1/4	3,330.18	1/4	2,973.48	1/4	2,616.19	1/4	2,258.91	1/4	1,902.23	1/4	1,548.88	1/4	1,191.52	1/4	835.34
1/2	1/2	1/2	3,678.98	1/2	3,322.75	1/2	2,966.03	1/2	2,608.75	1/2	2,251.47	1/2	1,894.78	1/2	1,541.43	1/2	1,184.09	1/2	827.90
3/4	3/4	3/4	3,671.59	3/4	3,315.32	3/4	2,958.59	3/4	2,601.31	3/4	2,244.02	3/4	1,887.34	3/4	1,533.99	3/4	1,176.67	3/4	820.45
2		2	3,664.20	2	3,307.90	2	2,951.15	2	2,593.86	2	2,236.58	2	1,879.89	2	1,526.54	2	1,169.24	2	813.01
1/4	1/4	1/4	3,656.81	1/4	3,300.47	1/4	2,943.70	1/4	2,586.42	1/4	2,229.14	1/4	1,872.45	1/4	1,519.09	1/4	1,161.81	1/4	805.56
1/2	1/2	1/2	3,649.41	1/2	3,293.04	1/2	2,936.26	1/2	2,578.98	1/2	2,221.69	1/2	1,865.01	1/2	1,511.65	1/2	1,154.39	1/2	798.12
3/4	3/4	3/4	3,642.02	3/4	3,285.61	3/4	2,928.82	3/4	2,571.53	3/4	2,214.25	3/4	1,857.56	3/4	1,504.20	3/4	1,146.97	3/4	790.67
3		3	3,634.63	3	3,278.18	3	2,921.37	3	2,564.09	3	2,206.81	3	1,850.12	3	1,496.76	3	1,139.54	3	783.23
1/4	1/4	1/4	3,627.24	1/4	3,270.76	1/4	2,913.93	1/4	2,556.65	1/4	2,199.36	1/4	1,842.67	1/4	1,489.31	1/4	1,132.12	1/4	775.78
1/2	1/2	1/2	3,619.85	1/2	3,263.33	1/2	2,906.49	1/2	2,549.20	1/2	2,191.92	1/2	1,835.23	1/2	1,481.86	1/2	1,124.70	1/2	768.34
3/4	3/4	3/4	3,612.43	3/4	3,255.90	3/4	2,899.04	3/4	2,541.76	3/4	2,184.50	3/4	1,827.93	3/4	1,474.42	3/4	1,117.28	3/4	760.89
4		4	3,605.01	4	3,248.47	4	2,891.60	4	2,534.32	4	2,177.08	4	1,820.63	4	1,466.97	4	1,109.86	4	753.44
1/4	1/4	1/4	3,597.58	1/4	3,241.04	1/4	2,884.16	1/4	2,526.87	1/4	2,169.66	1/4	1,813.33	1/4	1,459.53	1/4	1,102.44	1/4	746.00
1/2	1/2	1/2	3,590.16	1/2	3,233.62	1/2	2,876.71	1/2	2,519.43	1/2	2,162.24	1/2	1,806.03	1/2	1,452.08	1/2	1,095.02	1/2	738.55
3/4	3/4	3/4	3,582.73	3/4	3,226.19	3/4	2,869.27	3/4	2,511.99	3/4	2,154.82	3/4	1,798.76	3/4	1,444.63	3/4	1,087.60	3/4	731.11
5		5	3,575.30	5	3,218.76	5	2,861.83	5	2,504.54	5	2,147.40	5	1,791.48	5	1,437.19	5	1,080.18	5	723.66
1/4	1/4	1/4	3,567.88	1/4	3,211.33	1/4	2,854.38	1/4	2,497.10	1/4	2,139.98	1/4	1,784.20	1/4	1,429.74	1/4	1,072.76	1/4	716.22
1/2	1/2	1/2	3,560.45	1/2	3,203.90	1/2	2,846.94	1/2	2,489.66	1/2	2,132.56	1/2	1,776.92	1/2	1,422.30	1/2	1,065.35	1/2	708.77
3/4	3/4	3/4	3,553.02	3/4	3,196.48	3/4	2,839.50	3/4	2,482.21	3/4	2,125.15	3/4	1,769.65	3/4	1,414.85	3/4	1,057.93	3/4	701.33
6	3,868.30	6	3,545.59	6	3,189.05	6	2,832.05	6	2,474.77	6	2,117.73	6	1,762.37	6	1,407.40	6	1,050.51	6	693.89
1/4	3,864.35	1/4	3,538.16	1/4	3,181.62	1/4	2,824.61	1/4	2,467.33	1/4	2,110.31	1/4	1,755.09	1/4	1,399.96	1/4	1,043.10	1/4	686.44
1/2	3,860.40	1/2	3,530.74	1/2	3,174.19	1/2	2,817.17	1/2	2,459.88	1/2	2,102.89	1/2	1,747.81	1/2	1,392.51	1/2	1,035.68	1/2	679.00
3/4	3,855.71	3/4	3,523.31	3/4	3,166.76	3/4	2,809.72	3/4	2,452.44	3/4	2,095.48	3/4	1,740.53	3/4	1,385.07	3/4	1,028.26	3/4	671.70
7	3,851.02	7	3,515.88	7	3,159.34	7	2,802.28	7	2,445.00	7	2,088.06	7	1,733.26	7	1,377.62	7	1,020.84	7	664.40
1/4	3,846.33	1/4	3,508.45	1/4	3,151.91	1/4	2,794.84	1/4	2,437.55	1/4	2,080.64	1/4	1,725.98	1/4	1,370.18	1/4	1,013.43	1/4	657.09
1/2	3,841.64	1/2	3,501.02	1/2	3,144.48	1/2	2,787.39	1/2	2,430.11	1/2	2,073.22	1/2	1,718.70	1/2	1,362.73	1/2	1,006.01	1/2	649.79
3/4	3,836.20	3/4	3,493.60	3/4	3,137.05	3/4	2,779.95	3/4	2,422.67	3/4	2,065.80	3/4	1,711.42	3/4	1,355.28	3/4	998.59	3/4	642.65
8	3,830.76	8	3,486.17	8	3,129.62	8	2,772.51	8	2,415.22	8	2,058.39	8	1,704.15	8	1,347.84	8	991.18	8	635.50
1/4	3,825.33	1/4	3,478.74	1/4	3,122.20	1/4	2,765.06	1/4	2,407.78	1/4	2,050.97	1/4	1,696.87	1/4	1,340.39	1/4	983.76	1/4	628.35
1/2	3,819.89	1/2	3,471.31	1/2	3,114.77	1/2	2,757.62	1/2	2,400.34	1/2	2,043.55	1/2	1,689.59	1/2	1,332.95	1/2	976.34	1/2	621.21
3/4	3,813.71	3/4	3,463.88	3/4	3,107.34	3/4	2,750.18	3/4	2,392.89	3/4	2,036.13	3/4	1,682.31	3/4	1,325.50	3/4	968.93	3/4	614.08
9	3,807.53	9	3,456.46	9	3,099.91	9	2,742.73	9	2,385.45	9	2,028.71	9	1,675.03	9	1,318.05	9	961.51	9	606.96
1/4	3,801.35	1/4	3,449.03	1/4	3,092.48	1/4	2,735.29	1/4	2,378.01	1/4	2,021.30	1/4	1,667.76	1/4	1,310.61	1/4	954.09	1/4	599.83
1/2	3,795.17	1/2	3,441.60	1/2	3,085.06	1/2	2,727.85	1/2	2,370.56	1/2	2,013.88	1/2	1,660.48	1/2	1,303.16	1/2	946.67	1/2	592.70
3/4	3,788.24	3/4	3,434.17	3/4	3,077.63	3/4	2,720.40	3/4	2,363.12	3/4	2,006.44	3/4	1,653.05	3/4	1,295.72	3/4	939.26	3/4	585.58
10	3,781.32	10	3,426.74	10	3,070.20	10	2,712.96	10	2,355.68	10	1,999.00	10	1,645.63	10	1,288.27	10	931.84	10	578.45
1/4	3,774.40	1/4	3,419.32	1/4	3,062.77	1/4	2,705.52	1/4	2,348.23	1/4	1,991.56	1/4	1,638.21	1/4	1,280.82	1/4	924.42	1/4	571.33
1/2	3,767.47	1/2	3,411.89	1/2	3,055.34	1/2	2,698.07	1/2	2,340.79	1/2	1,984.12	1/2	1,630.78	1/2	1,273.38	1/2	917.01	1/2	564.20
3/4	3,760.13	3/4	3,404.46	3/4	3,047.90	3/4	2,690.63	3/4	2,333.35	3/4	1,976.67	3/4	1,623.34	3/4	1,265.93	3/4	909.59	3/4	557.07
11	3,752.79	11	3,397.03	11	3,040.46	11	2,683.19	11	2,325.90	11	1,969.23	11	1,615.89	11	1,258.49	11	902.17	11	549.95
1/4	3,745.44	1/4	3,389.60	1/4	3,033.02	1/4	2,675.74	1/4	2,318.46	1/4	1,961.78	1/4	1,608.44	1/4	1,251.04	1/4	894.75	1/4	542.82
1/2	3,738.10	1/2	3,382.18	1/2	3,025.58	1/2	2,668.30	1/2	2,311.02	1/2	1,954.34	1/2	1,601.00	1/2	1,243.60	1/2	887.34	1/2	535.70
3/4	3,730.71	3/4	3,374.75	3/4	3,018.14	3/4	2,660.85	3/4	2,303.57	3/4	1,946.89	3/4	1,593.55	3/4	1,236.15	3/4	879.92	3/4	528.57

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 ULLAGE 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
ULLAGE 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	521.44	0	165.65	0		0		0		0		0		0		0		0	
1/4	514.32	1/4	158.21	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	507.19	1/2	150.78	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	499.92	3/4	143.47	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	492.66	1	136.17	1		1		1		1		1		1		1		1	
1/4	485.39	1/4	128.86	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	478.13	1/2	121.56	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	470.70	3/4	114.42	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	463.28	2	107.27	2		2		2		2		2		2		2		2	
1/4	455.85	1/4	100.13	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	448.43	1/2	92.99	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	440.98	3/4	85.75	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	433.53	3	78.52	3		3		3		3		3		3		3		3	
1/4	426.09	1/4	71.28	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	418.64	1/2	64.04	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	411.20	3/4	57.44	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	403.75	4	50.83	4		4		4		4		4		4		4		4	
1/4	396.31	1/4	44.22	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	388.86	1/2	37.62	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	381.41	3/4	32.73	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	373.97	5	27.84	5		5		5		5		5		5		5		5	
1/4	366.52	1/4	22.96	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	359.08	1/2	18.07	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	351.64	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	344.19	6		6		6		6		6		6		6		6		6	
1/4	336.75	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	329.31	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	321.87	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	314.43	7		7		7		7		7		7		7		7		7	
1/4	306.99	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	299.55	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	292.11	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	284.67	8		8		8		8		8		8		8		8		8	
1/4	277.24	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	269.80	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	262.36	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	254.92	9		9		9		9		9		9		9		9		9	
1/4	247.48	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	240.04	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	232.60	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	225.16	10		10		10		10		10		10		10		10		10	
1/4	217.72	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	210.29	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	202.85	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	195.41	11		11		11		11		11		11		11		11		11	
1/4	187.97	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	180.53	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	173.09	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

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