



# BARGE "HSM 714"

## 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 23, 2019

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

<http://www.pmacorp.net>



# BARGE "HSM 714"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-06 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	3,694.51	0	3,333.57	0	2,971.88	0	2,609.51	0	2,247.12	0	1,884.74	0	1,523.11	0	1,160.78	0	801.18
1/4	1/4	3,687.06	1/4	3,326.04	1/4	2,964.34	1/4	2,601.96	1/4	2,239.58	1/4	1,877.19	1/4	1,515.56	1/4	1,153.26	1/4	793.72	
1/2	1/2	3,679.56	1/2	3,318.50	1/2	2,956.79	1/2	2,594.41	1/2	2,232.03	1/2	1,869.64	1/2	1,508.01	1/2	1,145.74	1/2	786.32	
3/4	3/4	3,672.06	3/4	3,310.97	3/4	2,949.24	3/4	2,586.86	3/4	2,224.48	3/4	1,862.10	3/4	1,500.46	3/4	1,138.23	3/4	778.91	
1	1	3,664.57	1	3,303.43	1	2,941.69	1	2,579.31	1	2,216.93	1	1,854.55	1	1,492.91	1	1,130.71	1	771.51	
1/4	1/4	3,657.07	1/4	3,295.90	1/4	2,934.14	1/4	2,571.76	1/4	2,209.38	1/4	1,847.00	1/4	1,485.36	1/4	1,123.19	1/4	764.10	
1/2	1/2	3,649.58	1/2	3,288.37	1/2	2,926.59	1/2	2,564.21	1/2	2,201.83	1/2	1,839.45	1/2	1,477.81	1/2	1,115.69	1/2	756.70	
3/4	3/4	3,642.08	3/4	3,280.83	3/4	2,919.04	3/4	2,556.66	3/4	2,194.28	3/4	1,831.90	3/4	1,470.26	3/4	1,108.19	3/4	749.30	
2	2	3,634.58	2	3,273.30	2	2,911.49	2	2,549.11	2	2,186.73	2	1,824.35	2	1,462.71	2	1,100.69	2	741.89	
1/4	1/4	3,627.09	1/4	3,265.76	1/4	2,903.94	1/4	2,541.56	1/4	2,179.18	1/4	1,816.80	1/4	1,455.16	1/4	1,093.19	1/4	734.49	
1/2	1/2	3,619.59	1/2	3,258.23	1/2	2,896.39	1/2	2,534.01	1/2	2,171.63	1/2	1,809.25	1/2	1,447.61	1/2	1,085.69	1/2	727.13	
3/4	3/4	3,612.09	3/4	3,250.69	3/4	2,888.84	3/4	2,526.46	3/4	2,164.08	3/4	1,801.70	3/4	1,440.06	3/4	1,078.20	3/4	719.77	
3	3	3,604.60	3	3,243.16	3	2,881.29	3	2,518.91	3	2,156.53	3	1,794.15	3	1,432.51	3	1,070.70	3	712.42	
1/4	1/4	3,597.10	1/4	3,235.63	1/4	2,873.74	1/4	2,511.36	1/4	2,148.98	1/4	1,786.60	1/4	1,424.96	1/4	1,063.20	1/4	705.06	
1/2	1/2	3,589.60	1/2	3,228.09	1/2	2,866.19	1/2	2,503.81	1/2	2,141.43	1/2	1,779.05	1/2	1,417.41	1/2	1,055.71	1/2	697.76	
3/4	3/4	3,582.11	3/4	3,220.56	3/4	2,858.64	3/4	2,496.26	3/4	2,133.88	3/4	1,771.50	3/4	1,409.85	3/4	1,048.21	3/4	690.46	
4	4	3,574.61	4	3,213.02	4	2,851.09	4	2,488.71	4	2,126.33	4	1,763.95	4	1,402.30	4	1,040.72	4	683.16	
1/4	1/4	3,567.11	1/4	3,205.49	1/4	2,843.54	1/4	2,481.16	1/4	2,118.78	1/4	1,756.40	1/4	1,394.75	1/4	1,033.23	1/4	675.86	
1/2	1/2	3,559.58	1/2	3,197.95	1/2	2,835.99	1/2	2,473.61	1/2	2,111.23	1/2	1,748.88	1/2	1,387.20	1/2	1,025.74	1/2	668.61	
3/4	3/4	3,552.06	3/4	3,190.42	3/4	2,828.44	3/4	2,466.06	3/4	2,103.68	3/4	1,741.36	3/4	1,379.65	3/4	1,018.25	3/4	661.36	
5	5	3,544.53	5	3,182.89	5	2,820.89	5	2,458.51	5	2,096.13	5	1,733.83	5	1,372.10	5	1,010.75	5	654.12	
1/4	1/4	3,537.00	1/4	3,175.35	1/4	2,813.34	1/4	2,450.96	1/4	2,088.58	1/4	1,726.31	1/4	1,364.55	1/4	1,003.26	1/4	646.87	
1/2	1/2	3,529.46	1/2	3,167.82	1/2	2,805.80	1/2	2,443.41	1/2	2,081.03	1/2	1,718.79	1/2	1,357.00	1/2	995.77	1/2	639.68	
3/4	3/4	3,521.93	3/4	3,160.28	3/4	2,798.25	3/4	2,435.86	3/4	2,073.48	3/4	1,711.28	3/4	1,349.45	3/4	988.28	3/4	632.49	
6	6	3,514.39	6	3,152.75	6	2,790.70	6	2,428.32	6	2,065.93	6	1,703.76	6	1,341.90	6	980.80	6	625.30	
1/4	1/4	3,506.86	1/4	3,145.21	1/4	2,783.15	1/4	2,420.77	1/4	2,058.38	1/4	1,696.24	1/4	1,334.35	1/4	973.31	1/4	618.11	
1/2	1/2	3,499.33	1/2	3,137.68	1/2	2,775.60	1/2	2,413.22	1/2	2,050.84	1/2	1,688.72	1/2	1,326.80	1/2	965.82	1/2	610.98	
3/4	3,819.13	3,491.79	3,4	3,130.15	3,4	2,768.05	3,4	2,405.67	3,4	2,043.29	3,4	1,681.20	3,4	1,319.25	3,4	958.33	3,4	603.84	
7	3,815.13	7	3,484.26	7	3,122.61	7	2,760.50	7	2,398.12	7	2,035.74	7	1,673.68	7	1,311.70	7	950.84	7	596.71
1/4	3,811.12	1/4	3,476.72	1/4	3,115.08	1/4	2,752.95	1/4	2,390.57	1/4	2,028.19	1/4	1,666.16	1/4	1,304.15	1/4	943.35	1/4	589.58
1/2	3,806.36	1/2	3,469.19	1/2	3,107.54	1/2	2,745.40	1/2	2,383.02	1/2	2,020.64	1/2	1,658.65	1/2	1,296.60	1/2	935.87	1/2	582.64
3/4	3,801.60	3/4	3,461.65	3/4	3,100.01	3/4	2,737.85	3/4	2,375.47	3/4	2,013.09	3/4	1,651.13	3/4	1,289.05	3/4	928.38	3/4	575.70
8	3,796.84	8	3,454.12	8	3,092.47	8	2,730.30	8	2,367.92	8	2,005.54	8	1,643.61	8	1,281.50	8	920.89	8	568.76
1/4	3,792.08	1/4	3,446.59	1/4	3,084.94	1/4	2,722.75	1/4	2,360.37	1/4	1,997.99	1/4	1,636.09	1/4	1,273.95	1/4	913.40	1/4	561.83
1/2	3,786.57	1/2	3,439.05	1/2	3,077.41	1/2	2,715.20	1/2	2,352.82	1/2	1,990.44	1/2	1,628.57	1/2	1,266.40	1/2	905.91	1/2	555.10
3/4	3,781.06	3/4	3,431.52	3/4	3,069.87	3/4	2,707.65	3/4	2,345.27	3/4	1,982.89	3/4	1,621.05	3/4	1,258.85	3/4	898.42	3/4	548.38
9	3,775.54	9	3,423.98	9	3,062.34	9	2,700.10	9	2,337.72	9	1,975.34	9	1,613.54	9	1,251.30	9	890.94	9	541.65
1/4	3,770.03	1/4	3,416.45	1/4	3,054.80	1/4	2,692.55	1/4	2,330.17	1/4	1,967.79	1/4	1,606.02	1/4	1,243.75	1/4	883.45	1/4	534.92
1/2	3,763.76	1/2	3,408.91	1/2	3,047.27	1/2	2,685.00	1/2	2,322.62	1/2	1,960.24	1/2	1,598.50	1/2	1,236.20	1/2	875.96	1/2	528.27
3/4	3,757.49	3/4	3,401.38	3/4	3,039.73	3/4	2,677.45	3/4	2,315.07	3/4	1,952.69	3/4	1,590.98	3/4	1,228.65	3/4	868.47	3/4	521.62
10	3,751.22	10	3,393.85	10	3,032.20	10	2,669.90	10	2,307.52	10	1,945.14	10	1,583.46	10	1,221.10	10	860.98	10	514.97
1/4	3,744.95	1/4	3,386.31	1/4	3,024.67	1/4	2,662.35	1/4	2,299.97	1/4	1,937.59	1/4	1,575.94	1/4	1,213.55	1/4	853.50	1/4	508.32
1/2	3,737.92	1/2	3,378.78	1/2	3,017.13	1/2	2,654.80	1/2	2,292.42	1/2	1,930.04	1/2	1,568.40	1/2	1,206.00	1/2	846.01	1/2	501.72
3/4	3,730.90	3/4	3,371.24	3/4	3,009.60	3/4	2,647.25	3/4	2,284.87	3/4	1,922.49	3/4	1,560.85	3/4	1,198.45	3/4	838.53	3/4	495.13
11	3,723.88	11	3,363.71	11	3,002.06	11	2,639.70	11	2,277.32	11	1,914.94	11	1,553.31	11	1,190.90	11	831.04	11	488.53
1/4	3,716.85	1/4	3,356.17	1/4	2,994.53	1/4	2,632.15	1/4	2,269.77	1/4	1,907.39	1/4	1,545.76	1/4	1,183.35	1/4	823.56	1/4	481.94
1/2	3,709.41	1/2	3,348.64	1/2	2,986.98	1/2	2,624.60	1/2	2,262.22	1/2	1,899.84	1/2	1,538.21	1/2	1,175.82	1/2	816.10	1/2	475.40
3/4	3,701.96	3/4	3,341.11	3/4	2,979.43	3/4	2,617.06	3/4	2,254.67	3/4	1,892.29	3/4	1,530.66	3/4	1,168.30	3/4	808.64	3/4	468.86

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.  
 P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "HSM 714"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-06 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	462.32	0	152.17	0		0		0		0		0		0		0		0	
1/4	455.77	1/4	145.98	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	449.29	1/2	139.85	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	442.80	3/4	133.72	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	436.32	1	127.58	1		1		1		1		1		1		1		1	
1/4	429.83	1/4	121.45	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	423.26	1/2	115.50	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	416.69	3/4	109.56	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	410.13	2	103.61	2		2		2		2		2		2		2		2	
1/4	403.56	1/4	97.67	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	396.88	1/2	91.94	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	390.21	3/4	86.21	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	383.53	3	80.49	3		3		3		3		3		3		3		3	
1/4	376.86	1/4	74.76	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	370.22	1/2	68.99	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	363.58	3/4	63.22	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	356.95	4	57.46	4		4		4		4		4		4		4		4	
1/4	350.31	1/4	51.69	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	343.72	1/2	46.62	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	337.14	3/4	41.55	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	330.56	5	36.48	5		5		5		5		5		5		5		5	
1/4	323.98	1/4	31.41	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	317.45	1/2	27.95	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	310.92	3/4	24.49	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	304.39	6	21.03	6		6		6		6		6		6		6		6	
1/4	297.86	1/4	17.57	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	291.39	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	284.93	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	278.46	7		7		7		7		7		7		7		7		7	
1/4	271.99	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	265.58	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	259.16	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	252.75	8		8		8		8		8		8		8		8		8	
1/4	246.34	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	239.99	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	233.63	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	227.28	9		9		9		9		9		9		9		9		9	
1/4	220.92	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	214.62	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	208.32	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	202.02	10		10		10		10		10		10		10		10		10	
1/4	195.72	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	189.48	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	183.23	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	176.99	11		11		11		11		11		11		11		11		11	
1/4	170.74	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164.55	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158.36	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: 03/21/2019 CL  
CALCULATED: 03/22/2019 CL  
PRINTED: 03/23/2019 CL

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

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2019



# BARGE "HSM 714"

## 1 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	3,672.12	0	3,311.20	0	2,949.65	0	2,587.45	0	2,225.25	0	1,863.04	0	1,501.58	0	1,139.35	0	778.61
1/4		1/4	3,664.63	1/4	3,303.67	1/4	2,942.11	1/4	2,579.90	1/4	2,217.70	1/4	1,855.50	1/4	1,494.04	1/4	1,131.80	1/4	771.18
1/2		1/2	3,657.13	1/2	3,296.14	1/2	2,934.56	1/2	2,572.36	1/2	2,210.16	1/2	1,847.95	1/2	1,486.49	1/2	1,124.26	1/2	763.74
3/4		3/4	3,649.64	3/4	3,288.61	3/4	2,927.02	3/4	2,564.81	3/4	2,202.61	3/4	1,840.41	3/4	1,478.94	3/4	1,116.73	3/4	756.34
1		1	3,642.15	1	3,281.08	1	2,919.47	1	2,557.27	1	2,195.06	1	1,832.86	1	1,471.40	1	1,109.20	1	748.93
1/4		1/4	3,634.66	1/4	3,273.55	1/4	2,911.92	1/4	2,549.72	1/4	2,187.52	1/4	1,825.31	1/4	1,463.85	1/4	1,101.67	1/4	741.53
1/2		1/2	3,627.16	1/2	3,266.02	1/2	2,904.38	1/2	2,542.17	1/2	2,179.97	1/2	1,817.77	1/2	1,456.30	1/2	1,094.14	1/2	734.12
3/4		3/4	3,619.67	3/4	3,258.49	3/4	2,896.83	3/4	2,534.63	3/4	2,172.43	3/4	1,810.22	3/4	1,448.76	3/4	1,086.61	3/4	726.77
2		2	3,612.18	2	3,250.96	2	2,889.29	2	2,527.08	2	2,164.88	2	1,802.68	2	1,441.21	2	1,079.08	2	719.42
1/4		1/4	3,604.68	1/4	3,243.43	1/4	2,881.74	1/4	2,519.54	1/4	2,157.33	1/4	1,795.13	1/4	1,433.66	1/4	1,071.55	1/4	712.07
1/2		1/2	3,597.19	1/2	3,235.90	1/2	2,874.19	1/2	2,511.99	1/2	2,149.79	1/2	1,787.58	1/2	1,426.12	1/2	1,064.03	1/2	704.71
3/4		3/4	3,589.70	3/4	3,228.37	3/4	2,866.65	3/4	2,504.45	3/4	2,142.24	3/4	1,780.04	3/4	1,418.57	3/4	1,056.50	3/4	697.41
3		3	3,582.21	3	3,220.84	3	2,859.10	3	2,496.90	3	2,134.70	3	1,772.49	3	1,411.02	3	1,048.98	3	690.12
1/4		1/4	3,574.71	1/4	3,213.30	1/4	2,851.56	1/4	2,489.35	1/4	2,127.15	1/4	1,764.95	1/4	1,403.48	1/4	1,041.46	1/4	682.82
1/2		1/2	3,567.22	1/2	3,205.77	1/2	2,844.01	1/2	2,481.81	1/2	2,119.60	1/2	1,757.40	1/2	1,395.93	1/2	1,033.94	1/2	675.52
3/4		3/4	3,559.69	3/4	3,198.24	3/4	2,836.46	3/4	2,474.26	3/4	2,112.06	3/4	1,749.88	3/4	1,388.38	3/4	1,026.41	3/4	668.28
4		4	3,552.17	4	3,190.71	4	2,828.92	4	2,466.72	4	2,104.51	4	1,742.36	4	1,380.84	4	1,018.89	4	661.04
1/4		1/4	3,544.65	1/4	3,183.18	1/4	2,821.37	1/4	2,459.17	1/4	2,096.97	1/4	1,734.84	1/4	1,373.29	1/4	1,011.37	1/4	653.79
1/2		1/2	3,537.12	1/2	3,175.65	1/2	2,813.83	1/2	2,451.62	1/2	2,089.42	1/2	1,727.33	1/2	1,365.74	1/2	1,003.85	1/2	646.55
3/4		3/4	3,529.59	3/4	3,168.12	3/4	2,806.28	3/4	2,444.08	3/4	2,081.87	3/4	1,719.81	3/4	1,358.20	3/4	996.33	3/4	639.36
5		5	3,522.06	5	3,160.59	5	2,798.74	5	2,436.53	5	2,074.33	5	1,712.30	5	1,350.65	5	988.81	5	632.18
1/4		1/4	3,514.53	1/4	3,153.06	1/4	2,791.19	1/4	2,428.99	1/4	2,066.78	1/4	1,704.78	1/4	1,343.11	1/4	981.30	1/4	624.99
1/2		1/2	3,507.00	1/2	3,145.53	1/2	2,783.64	1/2	2,421.44	1/2	2,059.24	1/2	1,697.27	1/2	1,335.56	1/2	973.78	1/2	617.80
3/4		3/4	3,499.47	3/4	3,138.00	3/4	2,776.10	3/4	2,413.89	3/4	2,051.69	3/4	1,689.75	3/4	1,328.01	3/4	966.26	3/4	610.67
6	3,819.11	6	3,491.94	6	3,130.47	6	2,768.55	6	2,406.35	6	2,044.15	6	1,682.24	6	1,320.47	6	958.74	6	603.54
1/4		1/4	3,815.11	1/4	3,484.41	1/4	3,122.94	1/4	2,761.01	1/4	2,398.80	1/4	1,674.72	1/4	1,312.92	1/4	951.22	1/4	596.42
1/2		1/2	3,811.11	1/2	3,476.88	1/2	3,115.41	1/2	2,753.46	1/2	2,391.26	1/2	1,667.21	1/2	1,305.37	1/2	943.71	1/2	589.29
3/4		3/4	3,806.35	3/4	3,469.35	3/4	3,107.88	3/4	2,745.91	3/4	2,383.71	3/4	1,659.69	3/4	1,297.83	3/4	936.19	3/4	582.35
7	3,801.59	7	3,461.81	7	3,100.35	7	2,738.37	7	2,376.16	7	2,013.96	7	1,652.18	7	1,290.28	7	928.67	7	575.42
1/4		1/4	3,796.84	1/4	3,454.28	1/4	3,092.82	1/4	2,730.82	1/4	2,368.62	1/4	1,644.67	1/4	1,282.73	1/4	921.15	1/4	568.48
1/2		1/2	3,792.08	1/2	3,446.75	1/2	3,085.28	1/2	2,723.28	1/2	2,361.07	1/2	1,637.15	1/2	1,275.19	1/2	913.63	1/2	561.55
3/4		3/4	3,786.57	3/4	3,439.22	3/4	3,077.75	3/4	2,715.73	3/4	2,353.53	3/4	1,629.64	3/4	1,267.64	3/4	906.12	3/4	554.83
8	3,781.06	8	3,431.69	8	3,070.22	8	2,708.18	8	2,345.98	8	1,983.78	8	1,622.12	8	1,260.09	8	898.60	8	548.11
1/4		1/4	3,775.55	1/4	3,424.16	1/4	3,062.69	1/4	2,700.64	1/4	2,338.44	1/4	1,614.61	1/4	1,252.55	1/4	891.08	1/4	541.38
1/2		1/2	3,770.03	1/2	3,416.63	1/2	3,055.16	1/2	2,693.09	1/2	2,330.89	1/2	1,606.99	1/2	1,245.00	1/2	883.56	1/2	534.66
3/4		3/4	3,763.77	3/4	3,409.10	3/4	3,047.63	3/4	2,685.55	3/4	2,323.34	3/4	1,599.58	3/4	1,237.45	3/4	876.05	3/4	528.01
9	3,757.50	9	3,401.57	9	3,040.10	9	2,678.00	9	2,315.80	9	1,953.59	9	1,592.06	9	1,229.91	9	868.53	9	521.36
1/4		1/4	3,751.23	1/4	3,394.04	1/4	3,032.57	1/4	2,670.45	1/4	2,308.25	1/4	1,946.05	1/4	1,222.36	1/4	861.01	1/4	514.72
1/2		1/2	3,744.97	1/2	3,386.51	1/2	3,025.04	1/2	2,662.91	1/2	2,300.71	1/2	1,938.50	1/2	1,214.81	1/2	853.49	1/2	508.07
3/4		3/4	3,737.95	3/4	3,378.98	3/4	3,017.51	3/4	2,655.36	3/4	2,293.16	3/4	1,930.96	3/4	1,207.27	3/4	845.98	3/4	501.48
10	3,730.93	10	3,371.45	10	3,009.98	10	2,647.82	10	2,285.61	10	1,923.41	10	1,561.95	10	1,199.72	10	838.46	10	494.88
1/4		1/4	3,723.91	1/4	3,363.92	1/4	3,002.45	1/4	2,640.27	1/4	2,278.07	1/4	1,915.86	1/4	1,192.18	1/4	830.95	1/4	488.29
1/2		1/2	3,716.89	1/2	3,356.39	1/2	2,994.92	1/2	2,632.73	1/2	2,270.52	1/2	1,908.32	1/2	1,184.63	1/2	823.43	1/2	481.70
3/4		3/4	3,709.44	3/4	3,348.86	3/4	2,987.37	3/4	2,625.18	3/4	2,262.98	3/4	1,900.77	3/4	1,177.08	3/4	815.94	3/4	475.16
11	3,702.00	11	3,341.33	11	2,979.83	11	2,617.63	11	2,255.43	11	1,893.23	11	1,531.77	11	1,169.54	11	808.46	11	468.62
1/4		1/4	3,694.55	1/4	3,333.79	1/4	2,972.29	1/4	2,610.09	1/4	2,247.88	1/4	1,885.68	1/4	1,161.99	1/4	800.97	1/4	462.09
1/2		1/2	3,687.11	1/2	3,326.26	1/2	2,964.75	1/2	2,602.54	1/2	2,240.34	1/2	1,878.14	1/2	1,154.44	1/2	793.48	1/2	455.55
3/4		3/4	3,679.61	3/4	3,318.73	3/4	2,957.20	3/4	2,595.00	3/4	2,232.79	3/4	1,870.59	3/4	1,146.90	3/4	786.05	3/4	449.07

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 714"

**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	442.59	0	133.65	0		0		0		0		0		0		0		0	
1/4	436.10	1/4	127.52	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	429.62	1/2	121.39	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	423.06	3/4	115.45	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	416.49	1	109.50	1		1		1		1		1		1		1		1	
1/4	409.92	1/4	103.56	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	403.36	1/2	97.62	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	396.69	3/4	91.90	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	390.02	2	86.17	2		2		2		2		2		2		2		2	
1/4	383.35	1/4	80.45	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	376.68	1/2	74.72	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	370.04	3/4	68.96	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	363.41	3	63.19	3		3		3		3		3		3		3		3	
1/4	356.77	1/4	57.43	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	350.14	1/2	51.67	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	343.56	3/4	46.60	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	336.98	4	41.53	4		4		4		4		4		4		4		4	
1/4	330.40	1/4	36.46	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	323.82	1/2	31.40	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	317.29	3/4	27.94	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	310.77	5	24.48	5		5		5		5		5		5		5		5	
1/4	304.24	1/4	21.02	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	297.72	1/2	17.56	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	291.25	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	284.78	6		6		6		6		6		6		6		6		6	
1/4	278.32	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	271.85	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	265.44	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	259.04	7		7		7		7		7		7		7		7		7	
1/4	252.63	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	246.22	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	239.87	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	233.52	8		8		8		8		8		8		8		8		8	
1/4	227.16	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	220.81	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	214.52	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	208.22	9		9		9		9		9		9		9		9		9	
1/4	201.92	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	195.62	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	189.38	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	183.14	10		10		10		10		10		10		10		10		10	
1/4	176.90	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	170.66	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164.47	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	158.28	11		11		11		11		11		11		11		11		11	
1/4	152.10	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	145.91	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	139.78	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: 03/21/2019 CL  
CALCULATED: 03/22/2019 CL  
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CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "HSM 714"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-06"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	3,742.98	0	3,384.83	0	3,025.99	0	2,666.48	0	2,306.97	0	1,947.46	0	1,591.94	0	1,233.56	0	891.20
1/4		1/4	3,735.54	1/4	3,377.35	1/4	3,018.50	1/4	2,658.99	1/4	2,299.48	1/4	1,939.97	1/4	1,584.45	1/4	1,226.41	1/4	884.07
1/2		1/2	3,728.10	1/2	3,369.88	1/2	3,011.01	1/2	2,651.50	1/2	2,291.99	1/2	1,932.48	1/2	1,576.96	1/2	1,219.25	1/2	876.94
3/4		3/4	3,720.67	3/4	3,362.40	3/4	3,003.52	3/4	2,644.01	3/4	2,284.50	3/4	1,924.99	3/4	1,569.47	3/4	1,212.09	3/4	869.81
1		1	3,713.23	1	3,354.93	1	2,996.03	1	2,636.52	1	2,277.01	1	1,917.50	1	1,561.98	1	1,204.94	1	862.68
1/4		1/4	3,705.79	1/4	3,347.46	1/4	2,988.54	1/4	2,629.03	1/4	2,269.52	1/4	1,910.01	1/4	1,554.49	1/4	1,197.80	1/4	855.24
1/2		1/2	3,698.36	1/2	3,339.98	1/2	2,981.05	1/2	2,621.54	1/2	2,262.03	1/2	1,902.52	1/2	1,547.00	1/2	1,190.66	1/2	847.80
3/4		3/4	3,690.92	3/4	3,332.51	3/4	2,973.56	3/4	2,614.05	3/4	2,254.54	3/4	1,895.03	3/4	1,539.51	3/4	1,183.52	3/4	840.35
2		2	3,683.48	2	3,325.03	2	2,966.07	2	2,606.56	2	2,247.05	2	1,887.54	2	1,532.02	2	1,176.38	2	832.91
1/4		1/4	3,676.05	1/4	3,317.56	1/4	2,958.58	1/4	2,599.07	1/4	2,239.56	1/4	1,880.05	1/4	1,524.53	1/4	1,169.24	1/4	825.42
1/2		1/2	3,668.61	1/2	3,310.08	1/2	2,951.09	1/2	2,591.58	1/2	2,232.07	1/2	1,872.56	1/2	1,517.04	1/2	1,162.10	1/2	817.92
3/4		3/4	3,661.17	3/4	3,302.61	3/4	2,943.60	3/4	2,584.09	3/4	2,224.58	3/4	1,865.07	3/4	1,509.55	3/4	1,154.96	3/4	810.43
3		3	3,653.74	3	3,295.13	3	2,936.11	3	2,576.60	3	2,217.09	3	1,857.58	3	1,502.06	3	1,147.83	3	802.94
1/4		1/4	3,646.30	1/4	3,287.66	1/4	2,928.62	1/4	2,569.11	1/4	2,209.60	1/4	1,850.09	1/4	1,494.56	1/4	1,140.69	1/4	795.45
1/2		1/2	3,638.86	1/2	3,280.19	1/2	2,921.13	1/2	2,561.62	1/2	2,202.11	1/2	1,842.60	1/2	1,487.07	1/2	1,133.56	1/2	787.96
3/4		3/4	3,631.43	3/4	3,272.71	3/4	2,913.64	3/4	2,554.13	3/4	2,194.62	3/4	1,835.11	3/4	1,479.58	3/4	1,126.43	3/4	780.47
4		4	3,623.99	4	3,265.24	4	2,906.15	4	2,546.64	4	2,187.13	4	1,827.62	4	1,472.09	4	1,119.30	4	772.98
1/4		1/4	3,616.52	1/4	3,257.76	1/4	2,898.66	1/4	2,539.15	1/4	2,179.64	1/4	1,820.28	1/4	1,464.60	1/4	1,112.17	1/4	765.49
1/2		1/2	3,609.05	1/2	3,250.29	1/2	2,891.17	1/2	2,531.66	1/2	2,172.15	1/2	1,812.93	1/2	1,457.11	1/2	1,105.04	1/2	758.00
3/4		3/4	3,601.58	3/4	3,242.81	3/4	2,883.68	3/4	2,524.17	3/4	2,164.66	3/4	1,805.59	3/4	1,449.62	3/4	1,097.90	3/4	750.51
5		5	3,594.11	5	3,235.34	5	2,876.19	5	2,516.68	5	2,157.17	5	1,798.24	5	1,442.13	5	1,090.77	5	743.02
1/4		1/4	3,586.64	1/4	3,227.86	1/4	2,868.70	1/4	2,509.19	1/4	2,149.68	1/4	1,790.92	1/4	1,434.64	1/4	1,083.64	1/4	735.53
1/2		1/2	3,579.17	1/2	3,220.39	1/2	2,861.21	1/2	2,501.70	1/2	2,142.19	1/2	1,783.60	1/2	1,427.15	1/2	1,076.51	1/2	728.04
3/4		3/4	3,571.69	3/4	3,212.91	3/4	2,853.72	3/4	2,494.21	3/4	2,134.70	3/4	1,776.27	3/4	1,419.66	3/4	1,069.39	3/4	720.55
6		6	3,564.22	6	3,205.44	6	2,846.23	6	2,486.72	6	2,127.21	6	1,768.95	6	1,412.17	6	1,062.26	6	713.06
1/4		1/4	3,556.74	1/4	3,197.97	1/4	2,838.74	1/4	2,479.23	1/4	2,119.72	1/4	1,761.63	1/4	1,404.68	1/4	1,055.13	1/4	705.57
1/2	3,874.00	1/2	3,549.27	1/2	3,190.49	1/2	2,831.25	1/2	2,471.74	1/2	2,112.23	1/2	1,754.30	1/2	1,397.19	1/2	1,048.00	1/2	698.09
3/4	3,870.03	3/4	3,541.79	3/4	3,183.02	3/4	2,823.76	3/4	2,464.25	3/4	2,104.74	3/4	1,746.98	3/4	1,389.70	3/4	1,040.87	3/4	690.60
7	3,866.06	7	3,534.32	7	3,175.54	7	2,816.27	7	2,456.76	7	2,097.25	7	1,739.66	7	1,382.21	7	1,033.75	7	683.11
1/4	3,861.34	1/4	3,526.84	1/4	3,168.07	1/4	2,808.78	1/4	2,449.27	1/4	2,089.76	1/4	1,732.33	1/4	1,374.71	1/4	1,026.62	1/4	675.77
1/2	3,856.61	1/2	3,519.37	1/2	3,160.59	1/2	2,801.29	1/2	2,441.78	1/2	2,082.27	1/2	1,725.01	1/2	1,367.22	1/2	1,019.49	1/2	668.42
3/4	3,851.89	3/4	3,511.89	3/4	3,153.12	3/4	2,793.80	3/4	2,434.29	3/4	2,074.78	3/4	1,717.69	3/4	1,359.73	3/4	1,012.36	3/4	661.07
8	3,847.17	8	3,504.42	8	3,145.64	8	2,786.31	8	2,426.80	8	2,067.29	8	1,710.37	8	1,352.24	8	1,005.24	8	653.72
1/4	3,841.70	1/4	3,496.95	1/4	3,138.17	1/4	2,778.82	1/4	2,419.31	1/4	2,059.80	1/4	1,703.04	1/4	1,344.75	1/4	998.11	1/4	646.53
1/2	3,836.23	1/2	3,489.47	1/2	3,130.70	1/2	2,771.33	1/2	2,411.82	1/2	2,052.31	1/2	1,695.72	1/2	1,337.26	1/2	990.98	1/2	639.34
3/4	3,830.76	3/4	3,482.00	3/4	3,123.22	3/4	2,763.84	3/4	2,404.33	3/4	2,044.82	3/4	1,688.40	3/4	1,329.77	3/4	983.85	3/4	632.16
9	3,825.29	9	3,474.52	9	3,115.75	9	2,756.35	9	2,396.84	9	2,037.33	9	1,681.07	9	1,322.28	9	976.73	9	624.97
1/4	3,819.07	1/4	3,467.05	1/4	3,108.27	1/4	2,748.86	1/4	2,389.35	1/4	2,029.84	1/4	1,673.75	1/4	1,314.79	1/4	969.60	1/4	617.80
1/2	3,812.85	1/2	3,459.57	1/2	3,100.80	1/2	2,741.38	1/2	2,381.86	1/2	2,022.35	1/2	1,666.43	1/2	1,307.30	1/2	962.47	1/2	610.63
3/4	3,806.63	3/4	3,452.10	3/4	3,093.32	3/4	2,733.89	3/4	2,374.37	3/4	2,014.86	3/4	1,659.10	3/4	1,299.81	3/4	955.34	3/4	603.46
10	3,800.41	10	3,444.62	10	3,085.85	10	2,726.40	10	2,366.89	10	2,007.37	10	1,651.78	10	1,292.32	10	948.22	10	596.29
1/4	3,793.45	1/4	3,437.15	1/4	3,078.37	1/4	2,718.91	1/4	2,359.40	1/4	1,999.88	1/4	1,644.31	1/4	1,284.83	1/4	941.09	1/4	589.12
1/2	3,786.48	1/2	3,429.68	1/2	3,070.90	1/2	2,711.42	1/2	2,351.91	1/2	1,992.40	1/2	1,636.84	1/2	1,277.34	1/2	933.96	1/2	581.95
3/4	3,779.51	3/4	3,422.20	3/4	3,063.42	3/4	2,703.93	3/4	2,344.42	3/4	1,984.91	3/4	1,629.37	3/4	1,269.85	3/4	926.83	3/4	574.78
11	3,772.54	11	3,414.73	11	3,055.95	11	2,696.44	11	2,336.93	11	1,977.42	11	1,621.90	11	1,262.36	11	919.71	11	567.61
1/4	3,765.15	1/4	3,407.25	1/4	3,048.46	1/4	2,688.95	1/4	2,329.44	1/4	1,969.93	1/4	1,614.41	1/4	1,255.16	1/4	912.58	1/4	560.44
1/2	3,757.76	1/2	3,399.78	1/2	3,040.97	1/2	2,681.46	1/2	2,321.95	1/2	1,962.44	1/2	1,606.92	1/2	1,247.96	1/2	905.45	1/2	553.27
3/4	3,750.37	3/4	3,392.30	3/4	3,033.48	3/4	2,673.97	3/4	2,314.46	3/4	1,954.95	3/4	1,599.43	3/4	1,240.76	3/4	898.32	3/4	546.10

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 714"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-06"

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	538.93	0	181.62	0		0		0		0		0		0		0		0	
1/4	531.76	1/4	174.14	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	524.59	1/2	166.65	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	517.42	3/4	159.17	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	510.25	1	151.69	1		1		1		1		1		1		1		1	
1/4	502.94	1/4	144.34	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	495.62	1/2	136.99	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	488.31	3/4	129.64	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	481.00	2	122.29	2		2		2		2		2		2		2		2	
1/4	473.53	1/4	115.11	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	466.06	1/2	107.92	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	458.59	3/4	100.73	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	451.12	3	93.55	3		3		3		3		3		3		3		3	
1/4	443.63	1/4	86.27	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	436.14	1/2	78.99	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	428.65	3/4	71.70	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	421.16	4	64.42	4		4		4		4		4		4		4		4	
1/4	413.67	1/4	57.78	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	406.18	1/2	51.13	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	398.69	3/4	44.49	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	391.20	5	37.84	5		5		5		5		5		5		5		5	
1/4	383.71	1/4	32.92	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	376.22	1/2	28.01	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	368.73	3/4	23.09	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	361.24	6	18.18	6		6		6		6		6		6		6		6	
1/4	353.75	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	346.27	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	338.78	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	331.29	7		7		7		7		7		7		7		7		7	
1/4	323.81	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	316.32	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	308.84	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	301.36	8		8		8		8		8		8		8		8		8	
1/4	293.87	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	286.39	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	278.90	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	271.42	9		9		9		9		9		9		9		9		9	
1/4	263.94	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	256.45	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	248.97	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	241.49	10		10		10		10		10		10		10		10		10	
1/4	234.00	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	226.52	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	219.04	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	211.55	11		11		11		11		11		11		11		11		11	
1/4	204.07	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	196.59	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	189.10	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: 03/21/2019 CL  
CALCULATED: 03/22/2019 CL  
PRINTED: 03/23/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2019

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





# BARGE "HSM 714"

## 2 STBD 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	3,747.73	0	3,390.16	0	3,031.93	0	2,673.05	0	2,314.16	0	1,955.27	0	1,600.37	0	1,241.45	0	883.70
1/4	1/4	3,740.31	1/4	3,382.70	1/4	3,024.46	1/4	2,665.57	1/4	2,306.68	1/4	1,947.80	1/4	1,592.89	1/4	1,233.97	1/4	876.25	
1/2	1/2	3,732.88	1/2	3,375.24	1/2	3,016.98	1/2	2,658.09	1/2	2,299.21	1/2	1,940.32	1/2	1,585.42	1/2	1,226.50	1/2	868.80	
3/4	3/4	3,725.46	3/4	3,367.78	3/4	3,009.50	3/4	2,650.62	3/4	2,291.73	3/4	1,932.84	3/4	1,577.94	3/4	1,219.02	3/4	861.35	
1	1	3,718.03	1	3,360.32	1	3,002.02	1	2,643.14	1	2,284.25	1	1,925.37	1	1,570.46	1	1,211.56	1	853.88	
1/4	1/4	3,710.61	1/4	3,352.86	1/4	2,994.55	1/4	2,635.66	1/4	2,276.78	1/4	1,917.89	1/4	1,562.98	1/4	1,204.10	1/4	846.41	
1/2	1/2	3,703.19	1/2	3,345.40	1/2	2,987.07	1/2	2,628.18	1/2	2,269.30	1/2	1,910.41	1/2	1,555.51	1/2	1,196.63	1/2	838.93	
3/4	3/4	3,695.76	3/4	3,337.93	3/4	2,979.59	3/4	2,620.71	3/4	2,261.82	3/4	1,902.94	3/4	1,548.03	3/4	1,189.17	3/4	831.46	
2	2	3,688.34	2	3,330.47	2	2,972.12	2	2,613.23	2	2,254.34	2	1,895.46	2	1,540.55	2	1,181.72	2	823.98	
1/4	1/4	3,680.92	1/4	3,323.01	1/4	2,964.64	1/4	2,605.75	1/4	2,246.87	1/4	1,887.98	1/4	1,533.07	1/4	1,174.26	1/4	816.50	
1/2	1/2	3,673.49	1/2	3,315.55	1/2	2,957.16	1/2	2,598.28	1/2	2,239.39	1/2	1,880.50	1/2	1,525.60	1/2	1,166.80	1/2	809.03	
3/4	3/4	3,666.07	3/4	3,308.09	3/4	2,949.69	3/4	2,590.80	3/4	2,231.91	3/4	1,873.03	3/4	1,518.12	3/4	1,159.34	3/4	801.55	
3	3	3,658.65	3	3,300.63	3	2,942.21	3	2,583.32	3	2,224.44	3	1,865.55	3	1,510.64	3	1,151.89	3	794.07	
1/4	1/4	3,651.22	1/4	3,293.16	1/4	2,934.73	1/4	2,575.85	1/4	2,216.96	1/4	1,858.07	1/4	1,503.16	1/4	1,144.43	1/4	786.60	
1/2	1/2	3,643.80	1/2	3,285.70	1/2	2,927.26	1/2	2,568.37	1/2	2,209.48	1/2	1,850.60	1/2	1,495.69	1/2	1,136.98	1/2	779.12	
3/4	3/4	3,636.37	3/4	3,278.24	3/4	2,919.78	3/4	2,560.89	3/4	2,202.01	3/4	1,843.12	3/4	1,488.21	3/4	1,129.53	3/4	771.64	
4	4	3,628.92	4	3,270.78	4	2,912.30	4	2,553.42	4	2,194.53	4	1,835.79	4	1,480.73	4	1,122.07	4	764.16	
1/4	1/4	3,621.46	1/4	3,263.32	1/4	2,904.83	1/4	2,545.94	1/4	2,187.05	1/4	1,828.46	1/4	1,473.25	1/4	1,114.62	1/4	756.69	
1/2	1/2	3,614.00	1/2	3,255.86	1/2	2,897.35	1/2	2,538.46	1/2	2,179.58	1/2	1,821.13	1/2	1,465.78	1/2	1,107.17	1/2	749.21	
3/4	3/4	3,606.55	3/4	3,248.40	3/4	2,889.87	3/4	2,530.99	3/4	2,172.10	3/4	1,813.80	3/4	1,458.30	3/4	1,099.72	3/4	741.73	
5	5	3,599.09	5	3,240.93	5	2,882.40	5	2,523.51	5	2,164.62	5	1,806.48	5	1,450.82	5	1,092.27	5	734.26	
1/4	1/4	3,591.62	1/4	3,233.47	1/4	2,874.92	1/4	2,516.03	1/4	2,157.15	1/4	1,799.17	1/4	1,443.34	1/4	1,084.82	1/4	726.78	
1/2	1/2	3,584.16	1/2	3,226.01	1/2	2,867.44	1/2	2,508.56	1/2	2,149.67	1/2	1,791.86	1/2	1,435.87	1/2	1,077.37	1/2	719.30	
3/4	3/4	3,576.70	3/4	3,218.55	3/4	2,859.97	3/4	2,501.08	3/4	2,142.19	3/4	1,784.55	3/4	1,428.39	3/4	1,069.92	3/4	711.82	
6	6	3,569.24	6	3,211.09	6	2,852.49	6	2,493.60	6	2,134.72	6	1,777.24	6	1,420.91	6	1,062.47	6	704.35	
1/4	3,885.95	1/4	3,561.78	1/4	3,203.63	1/4	2,845.01	1/4	2,486.13	1/4	2,127.24	1/4	1,769.93	1/4	1,413.43	1/4	1,055.02	1/4	696.87
1/2	3,881.99	1/2	3,554.32	1/2	3,196.17	1/2	2,837.54	1/2	2,478.65	1/2	2,119.76	1/2	1,762.62	1/2	1,405.96	1/2	1,047.57	1/2	689.40
3/4	3,878.02	3/4	3,546.86	3/4	3,188.70	3/4	2,830.06	3/4	2,471.17	3/4	2,112.29	3/4	1,755.31	3/4	1,398.48	3/4	1,040.12	3/4	681.93
7	3,873.31	7	3,539.39	7	3,181.24	7	2,822.58	7	2,463.70	7	2,104.81	7	1,748.00	7	1,391.00	7	1,032.67	7	674.59
1/4	3,868.59	1/4	3,531.93	1/4	3,173.78	1/4	2,815.10	1/4	2,456.22	1/4	2,097.33	1/4	1,740.69	1/4	1,383.52	1/4	1,025.23	1/4	667.26
1/2	3,863.88	1/2	3,524.47	1/2	3,166.32	1/2	2,807.63	1/2	2,448.74	1/2	2,089.86	1/2	1,733.38	1/2	1,376.05	1/2	1,017.78	1/2	659.92
3/4	3,859.17	3/4	3,517.01	3/4	3,158.86	3/4	2,800.15	3/4	2,441.26	3/4	2,082.38	3/4	1,726.07	3/4	1,368.57	3/4	1,010.33	3/4	652.59
8	3,853.71	8	3,509.55	8	3,151.40	8	2,792.67	8	2,433.79	8	2,074.90	8	1,718.76	8	1,361.09	8	1,002.88	8	645.41
1/4	3,848.25	1/4	3,502.09	1/4	3,143.93	1/4	2,785.20	1/4	2,426.31	1/4	2,067.42	1/4	1,711.45	1/4	1,353.61	1/4	995.43	1/4	638.24
1/2	3,842.79	1/2	3,494.63	1/2	3,136.47	1/2	2,777.72	1/2	2,418.83	1/2	2,059.95	1/2	1,704.14	1/2	1,346.14	1/2	987.98	1/2	631.06
3/4	3,837.33	3/4	3,487.16	3/4	3,129.01	3/4	2,770.24	3/4	2,411.36	3/4	2,052.47	3/4	1,696.83	3/4	1,338.66	3/4	980.53	3/4	623.88
9	3,831.12	9	3,479.70	9	3,121.55	9	2,762.77	9	2,403.88	9	2,044.99	9	1,689.52	9	1,331.18	9	973.08	9	616.72
1/4	3,824.91	1/4	3,472.24	1/4	3,114.09	1/4	2,755.29	1/4	2,396.40	1/4	2,037.52	1/4	1,682.21	1/4	1,323.70	1/4	965.64	1/4	609.57
1/2	3,818.70	1/2	3,464.78	1/2	3,106.63	1/2	2,747.81	1/2	2,388.93	1/2	2,030.04	1/2	1,674.90	1/2	1,316.23	1/2	958.19	1/2	602.41
3/4	3,812.49	3/4	3,457.32	3/4	3,099.17	3/4	2,740.34	3/4	2,381.45	3/4	2,022.56	3/4	1,667.59	3/4	1,308.75	3/4	950.74	3/4	595.25
10	3,805.53	10	3,449.86	10	3,091.70	10	2,732.86	10	2,373.97	10	2,015.09	10	1,660.13	10	1,301.27	10	943.29	10	588.09
1/4	3,798.58	1/4	3,442.39	1/4	3,084.24	1/4	2,725.38	1/4	2,366.50	1/4	2,007.61	1/4	1,652.67	1/4	1,293.79	1/4	935.84	1/4	580.94
1/2	3,791.62	1/2	3,434.93	1/2	3,076.78	1/2	2,717.91	1/2	2,359.02	1/2	2,000.13	1/2	1,645.22	1/2	1,286.32	1/2	928.39	1/2	573.78
3/4	3,784.66	3/4	3,427.47	3/4	3,069.32	3/4	2,710.43	3/4	2,351.54	3/4	1,992.66	3/4	1,637.76	3/4	1,278.84	3/4	920.94	3/4	566.62
11	3,777.29	11	3,420.01	11	3,061.84	11	2,702.95	11	2,344.07	11	1,985.18	11	1,630.28	11	1,271.36	11	913.49	11	559.46
1/4	3,769.91	1/4	3,412.55	1/4	3,054.36	1/4	2,695.48	1/4	2,336.59	1/4	1,977.70	1/4	1,622.80	1/4	1,263.88	1/4	906.05	1/4	552.31
1/2	3,762.53	1/2	3,405.09	1/2	3,046.89	1/2	2,688.00	1/2	2,329.11	1/2	1,970.23	1/2	1,615.33	1/2	1,256.41	1/2	898.60	1/2	545.15
3/4	3,755.15	3/4	3,397.63	3/4	3,039.41	3/4	2,680.52	3/4	2,321.64	3/4	1,962.75	3/4	1,607.85	3/4	1,248.93	3/4	891.15	3/4	537.99

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 714"

**2 STBD  
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	530.83	0	173.84	0		0		0		0		0		0		0		0	
1/4	523.67	1/4	166.36	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	516.52	1/2	158.89	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	509.36	3/4	151.42	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	502.06	1	144.09	1		1		1		1		1		1		1		1	
1/4	494.76	1/4	136.75	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	487.47	1/2	129.42	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	480.17	3/4	122.08	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	472.71	2	114.91	2		2		2		2		2		2		2		2	
1/4	465.26	1/4	107.73	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	457.80	1/2	100.56	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	450.34	3/4	93.39	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	442.86	3	86.12	3		3		3		3		3		3		3		3	
1/4	435.39	1/4	78.85	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	427.91	1/2	71.58	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	420.43	3/4	64.31	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	412.95	4	57.68	4		4		4		4		4		4		4		4	
1/4	405.48	1/4	51.04	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	398.00	1/2	44.41	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	390.52	3/4	37.77	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	383.05	5	32.87	5		5		5		5		5		5		5		5	
1/4	375.57	1/4	27.96	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	368.09	1/2	23.05	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	360.61	3/4	18.14	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	353.14	6		6		6		6		6		6		6		6		6	
1/4	345.67	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	338.19	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	330.72	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	323.25	7		7		7		7		7		7		7		7		7	
1/4	315.77	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	308.30	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	300.83	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	293.36	8		8		8		8		8		8		8		8		8	
1/4	285.89	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	278.42	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	270.95	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	263.48	9		9		9		9		9		9		9		9		9	
1/4	256.01	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	248.54	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	241.07	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	233.60	10		10		10		10		10		10		10		10		10	
1/4	226.13	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	218.66	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	211.19	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	203.72	11		11		11		11		11		11		11		11		11	
1/4	196.25	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	188.78	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	181.31	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: 03/21/2019 CL  
CALCULATED: 03/22/2019 CL  
PRINTED: 03/23/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2019

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



# BARGE "HSM 714"

## 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	3,708.76	0	3,353.08	0	2,996.73	0	2,639.72	0	2,282.70	0	1,925.88	0	1,572.86	0	1,217.70	0	878.75
1/4		1/4	3,701.38	1/4	3,345.65	1/4	2,989.30	1/4	2,632.28	1/4	2,275.27	1/4	1,918.45	1/4	1,565.43	1/4	1,210.62	1/4	871.70
1/2		1/2	3,694.00	1/2	3,338.23	1/2	2,981.86	1/2	2,624.84	1/2	2,267.83	1/2	1,911.02	1/2	1,558.00	1/2	1,203.53	1/2	864.64
3/4		3/4	3,686.61	3/4	3,330.81	3/4	2,974.42	3/4	2,617.41	3/4	2,260.39	3/4	1,903.59	3/4	1,550.57	3/4	1,196.44	3/4	857.58
1		1	3,679.23	1	3,323.39	1	2,966.98	1	2,609.97	1	2,252.95	1	1,896.16	1	1,543.14	1	1,189.37	1	850.19
1/4		1/4	3,671.84	1/4	3,315.96	1/4	2,959.54	1/4	2,602.53	1/4	2,245.52	1/4	1,888.73	1/4	1,535.70	1/4	1,182.31	1/4	842.79
1/2		1/2	3,664.46	1/2	3,308.54	1/2	2,952.11	1/2	2,595.09	1/2	2,238.08	1/2	1,881.30	1/2	1,528.27	1/2	1,175.24	1/2	835.40
3/4		3/4	3,657.07	3/4	3,301.12	3/4	2,944.67	3/4	2,587.65	3/4	2,230.64	3/4	1,873.87	3/4	1,520.84	3/4	1,168.17	3/4	828.01
2		2	3,649.69	2	3,293.70	2	2,937.23	2	2,580.22	2	2,223.20	2	1,866.44	2	1,513.41	2	1,161.10	2	820.57
1/4		1/4	3,642.30	1/4	3,286.27	1/4	2,929.79	1/4	2,572.78	1/4	2,215.76	1/4	1,859.01	1/4	1,505.98	1/4	1,154.03	1/4	813.12
1/2		1/2	3,634.92	1/2	3,278.85	1/2	2,922.36	1/2	2,565.34	1/2	2,208.33	1/2	1,851.58	1/2	1,498.55	1/2	1,146.97	1/2	805.68
3/4		3/4	3,627.53	3/4	3,271.43	3/4	2,914.92	3/4	2,557.90	3/4	2,200.89	3/4	1,844.15	3/4	1,491.11	3/4	1,139.90	3/4	798.24
3		3	3,620.15	3	3,264.01	3	2,907.48	3	2,550.47	3	2,193.45	3	1,836.72	3	1,483.68	3	1,132.84	3	790.80
1/4		1/4	3,612.77	1/4	3,256.59	1/4	2,900.04	1/4	2,543.03	1/4	2,186.01	1/4	1,829.29	1/4	1,476.25	1/4	1,125.78	1/4	783.36
1/2		1/2	3,605.38	1/2	3,249.16	1/2	2,892.60	1/2	2,535.59	1/2	2,178.58	1/2	1,821.86	1/2	1,468.82	1/2	1,118.71	1/2	775.92
3/4		3/4	3,598.00	3/4	3,241.74	3/4	2,885.17	3/4	2,528.15	3/4	2,171.14	3/4	1,814.43	3/4	1,461.39	3/4	1,111.65	3/4	768.48
4		4	3,590.58	4	3,234.32	4	2,877.73	4	2,520.71	4	2,163.70	4	1,807.13	4	1,453.96	4	1,104.59	4	761.03
1/4		1/4	3,583.16	1/4	3,226.90	1/4	2,870.29	1/4	2,513.28	1/4	2,156.26	1/4	1,799.83	1/4	1,446.53	1/4	1,097.53	1/4	753.59
1/2		1/2	3,575.74	1/2	3,219.47	1/2	2,862.85	1/2	2,505.84	1/2	2,148.82	1/2	1,792.54	1/2	1,439.09	1/2	1,090.47	1/2	746.15
3/4		3/4	3,568.33	3/4	3,212.05	3/4	2,855.42	3/4	2,498.40	3/4	2,141.39	3/4	1,785.24	3/4	1,431.66	3/4	1,083.41	3/4	738.71
5		5	3,560.90	5	3,204.63	5	2,847.98	5	2,490.96	5	2,133.95	5	1,777.96	5	1,424.23	5	1,076.35	5	731.27
1/4		1/4	3,553.48	1/4	3,197.21	1/4	2,840.54	1/4	2,483.53	1/4	2,126.51	1/4	1,770.68	1/4	1,416.80	1/4	1,069.29	1/4	723.83
1/2		1/2	3,546.06	1/2	3,189.78	1/2	2,833.10	1/2	2,476.09	1/2	2,119.07	1/2	1,763.40	1/2	1,409.37	1/2	1,062.24	1/2	716.39
3/4		3/4	3,538.64	3/4	3,182.36	3/4	2,825.66	3/4	2,468.65	3/4	2,111.64	3/4	1,756.13	3/4	1,401.94	3/4	1,055.18	3/4	708.94
6		6	3,531.21	6	3,174.94	6	2,818.23	6	2,461.21	6	2,104.20	6	1,748.85	6	1,394.50	6	1,048.12	6	701.51
1/4	3,846.26	1/4	3,523.79	1/4	3,167.52	1/4	2,810.79	1/4	2,453.77	1/4	2,096.77	1/4	1,741.57	1/4	1,387.07	1/4	1,041.07	1/4	694.07
1/2	3,842.31	1/2	3,516.37	1/2	3,160.09	1/2	2,803.35	1/2	2,446.34	1/2	2,089.34	1/2	1,734.29	1/2	1,379.64	1/2	1,034.01	1/2	686.64
3/4	3,838.36	3/4	3,508.95	3/4	3,152.67	3/4	2,795.91	3/4	2,438.90	3/4	2,081.91	3/4	1,727.01	3/4	1,372.21	3/4	1,026.95	3/4	679.20
7	3,833.67	7	3,501.52	7	3,145.25	7	2,788.48	7	2,431.46	7	2,074.48	7	1,719.73	7	1,364.78	7	1,019.89	7	671.91
1/4	3,828.97	1/4	3,494.10	1/4	3,137.83	1/4	2,781.04	1/4	2,424.02	1/4	2,067.05	1/4	1,712.45	1/4	1,357.35	1/4	1,012.84	1/4	664.61
1/2	3,824.28	1/2	3,486.68	1/2	3,130.40	1/2	2,773.60	1/2	2,416.59	1/2	2,059.62	1/2	1,705.18	1/2	1,349.91	1/2	1,005.78	1/2	657.32
3/4	3,819.58	3/4	3,479.26	3/4	3,122.98	3/4	2,766.16	3/4	2,409.15	3/4	2,052.19	3/4	1,697.90	3/4	1,342.48	3/4	998.72	3/4	650.02
8	3,814.15	8	3,471.83	8	3,115.56	8	2,758.72	8	2,401.71	8	2,044.76	8	1,690.62	8	1,335.05	8	991.67	8	642.88
1/4	3,808.72	1/4	3,464.41	1/4	3,108.14	1/4	2,751.29	1/4	2,394.27	1/4	2,037.33	1/4	1,683.34	1/4	1,327.62	1/4	984.61	1/4	635.74
1/2	3,803.29	1/2	3,456.99	1/2	3,100.71	1/2	2,743.85	1/2	2,386.83	1/2	2,029.90	1/2	1,676.06	1/2	1,320.19	1/2	977.55	1/2	628.61
3/4	3,797.87	3/4	3,449.57	3/4	3,093.29	3/4	2,736.41	3/4	2,379.40	3/4	2,022.47	3/4	1,668.78	3/4	1,312.76	3/4	970.49	3/4	621.47
9	3,791.69	9	3,442.15	9	3,085.87	9	2,728.97	9	2,371.96	9	2,015.04	9	1,661.51	9	1,305.32	9	963.44	9	614.35
1/4	3,785.52	1/4	3,434.72	1/4	3,078.45	1/4	2,721.54	1/4	2,364.52	1/4	2,007.61	1/4	1,654.23	1/4	1,297.89	1/4	956.38	1/4	607.23
1/2	3,779.35	1/2	3,427.30	1/2	3,071.03	1/2	2,714.10	1/2	2,357.08	1/2	2,000.18	1/2	1,646.95	1/2	1,290.46	1/2	949.32	1/2	600.11
3/4	3,773.17	3/4	3,419.88	3/4	3,063.60	3/4	2,706.66	3/4	2,349.64	3/4	1,992.75	3/4	1,639.67	3/4	1,283.03	3/4	942.27	3/4	592.99
10	3,766.25	10	3,412.46	10	3,056.18	10	2,699.22	10	2,342.21	10	1,985.32	10	1,632.26	10	1,275.60	10	935.21	10	585.87
1/4	3,759.34	1/4	3,405.03	1/4	3,048.76	1/4	2,691.78	1/4	2,334.77	1/4	1,977.89	1/4	1,624.85	1/4	1,268.17	1/4	928.15	1/4	578.75
1/2	3,752.42	1/2	3,397.61	1/2	3,041.34	1/2	2,684.35	1/2	2,327.33	1/2	1,970.46	1/2	1,617.43	1/2	1,260.74	1/2	921.09	1/2	571.64
3/4	3,745.50	3/4	3,390.19	3/4	3,033.91	3/4	2,676.91	3/4	2,319.89	3/4	1,963.03	3/4	1,610.02	3/4	1,253.30	3/4	914.04	3/4	564.52
11	3,738.16	11	3,382.77	11	3,026.48	11	2,669.47	11	2,312.46	11	1,955.60	11	1,602.59	11	1,246.17	11	906.98	11	557.40
1/4	3,730.83	1/4	3,375.34	1/4	3,019.04	1/4	2,662.03	1/4	2,305.02	1/4	1,948.17	1/4	1,595.16	1/4	1,239.05	1/4	899.92	1/4	550.28
1/2	3,723.49	1/2	3,367.92	1/2	3,011.61	1/2	2,654.59	1/2	2,297.58	1/2	1,940.74	1/2	1,587.73	1/2	1,231.92	1/2	892.87	1/2	543.16
3/4	3,716.15	3/4	3,360.50	3/4	3,004.17	3/4	2,647.16	3/4	2,290.14	3/4	1,933.31	3/4	1,580.29	3/4	1,224.79	3/4	885.81	3/4	536.04

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  
<http://www.pmacorp.net>



# BARGE "HSM 714"

## 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	528.92	0	173.27	0		0		0		0		0		0		0		0	
1/4	521.80	1/4	165.82	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	514.68	1/2	158.37	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	507.56	3/4	150.93	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	500.30	1	143.62	1		1		1		1		1		1		1		1	
1/4	493.03	1/4	136.31	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	485.77	1/2	128.99	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	478.51	3/4	121.68	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	471.09	2	114.53	2		2		2		2		2		2		2		2	
1/4	463.67	1/4	107.38	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	456.25	1/2	100.23	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	448.83	3/4	93.08	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	441.38	3	85.84	3		3		3		3		3		3		3		3	
1/4	433.94	1/4	78.59	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	426.50	1/2	71.35	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	419.06	3/4	64.11	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	411.61	4	57.49	4		4		4		4		4		4		4		4	
1/4	404.16	1/4	50.88	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	396.70	1/2	44.27	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	389.25	3/4	37.65	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	381.80	5	32.76	5		5		5		5		5		5		5		5	
1/4	374.35	1/4	27.87	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	366.89	1/2	22.98	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	359.44	3/4	18.09	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	351.99	6		6		6		6		6		6		6		6		6	
1/4	344.54	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	337.09	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	329.64	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	322.19	7		7		7		7		7		7		7		7		7	
1/4	314.75	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	307.30	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	299.85	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	292.41	8		8		8		8		8		8		8		8		8	
1/4	284.96	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	277.51	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	270.07	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	262.62	9		9		9		9		9		9		9		9		9	
1/4	255.18	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	247.73	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	240.28	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	232.84	10		10		10		10		10		10		10		10		10	
1/4	225.39	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	217.94	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	210.50	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	203.05	11		11		11		11		11		11		11		11		11	
1/4	195.61	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	188.16	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	180.71	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: 03/21/2019 CL  
CALCULATED: 03/22/2019 CL  
PRINTED: 03/23/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
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# BARGE "HSM 714"

## 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	3,726.03	0	3,369.77	0	3,012.89	0	2,655.34	0	2,297.80	0	1,940.86	0	1,587.26	0	1,229.60	0	873.14
1/4	1/4	3,718.63	1/4	3,362.34	1/4	3,005.44	1/4	2,647.89	1/4	2,290.35	1/4	1,933.41	1/4	1,579.81	1/4	1,222.15	1/4	865.72	
1/2	1/2	3,711.24	1/2	3,354.91	1/2	2,997.99	1/2	2,640.45	1/2	2,282.90	1/2	1,925.96	1/2	1,572.36	1/2	1,214.70	1/2	858.29	
3/4	3/4	3,703.84	3/4	3,347.47	3/4	2,990.54	3/4	2,633.00	3/4	2,275.45	3/4	1,918.51	3/4	1,564.91	3/4	1,207.26	3/4	850.85	
1	1	3,696.45	1	3,340.04	1	2,983.09	1	2,625.55	1	2,268.01	1	1,911.06	1	1,557.46	1	1,199.83	1	843.40	
1/4	1/4	3,689.05	1/4	3,332.61	1/4	2,975.64	1/4	2,618.10	1/4	2,260.56	1/4	1,903.61	1/4	1,550.00	1/4	1,192.39	1/4	835.95	
1/2	1/2	3,681.66	1/2	3,325.17	1/2	2,968.19	1/2	2,610.65	1/2	2,253.11	1/2	1,896.16	1/2	1,542.55	1/2	1,184.96	1/2	828.50	
3/4	3/4	3,674.26	3/4	3,317.74	3/4	2,960.74	3/4	2,603.20	3/4	2,245.66	3/4	1,888.71	3/4	1,535.10	3/4	1,177.52	3/4	821.05	
2	2	3,666.86	2	3,310.31	2	2,953.30	2	2,595.75	2	2,238.21	2	1,881.26	2	1,527.65	2	1,170.09	2	813.60	
1/4	1/4	3,659.47	1/4	3,302.87	1/4	2,945.85	1/4	2,588.30	1/4	2,230.76	1/4	1,873.81	1/4	1,520.20	1/4	1,162.66	1/4	806.15	
1/2	1/2	3,652.07	1/2	3,295.44	1/2	2,938.40	1/2	2,580.86	1/2	2,223.31	1/2	1,866.37	1/2	1,512.75	1/2	1,155.23	1/2	798.70	
3/4	3/4	3,644.68	3/4	3,288.01	3/4	2,930.95	3/4	2,573.41	3/4	2,215.86	3/4	1,858.92	3/4	1,505.30	3/4	1,147.80	3/4	791.25	
3	3	3,637.28	3	3,280.57	3	2,923.50	3	2,565.96	3	2,208.42	3	1,851.47	3	1,497.85	3	1,140.37	3	783.80	
1/4	1/4	3,629.89	1/4	3,273.14	1/4	2,916.05	1/4	2,558.51	1/4	2,200.97	1/4	1,844.02	1/4	1,490.39	1/4	1,132.95	1/4	776.35	
1/2	1/2	3,622.49	1/2	3,265.71	1/2	2,908.60	1/2	2,551.06	1/2	2,193.52	1/2	1,836.57	1/2	1,482.94	1/2	1,125.52	1/2	768.90	
3/4	3/4	3,615.06	3/4	3,258.27	3/4	2,901.15	3/4	2,543.61	3/4	2,186.09	3/4	1,829.26	3/4	1,475.49	3/4	1,118.09	3/4	761.44	
4	4	3,607.63	4	3,250.84	4	2,893.71	4	2,536.16	4	2,178.66	4	1,821.96	4	1,468.04	4	1,110.67	4	753.99	
1/4	1/4	3,600.20	1/4	3,243.41	1/4	2,886.26	1/4	2,528.71	1/4	2,171.24	1/4	1,814.65	1/4	1,460.59	1/4	1,103.24	1/4	746.54	
1/2	1/2	3,592.78	1/2	3,235.97	1/2	2,878.81	1/2	2,521.27	1/2	2,163.81	1/2	1,807.35	1/2	1,453.14	1/2	1,095.81	1/2	739.09	
3/4	3/4	3,585.34	3/4	3,228.54	3/4	2,871.36	3/4	2,513.82	3/4	2,156.39	3/4	1,800.07	3/4	1,445.69	3/4	1,088.39	3/4	731.64	
5	5	3,577.91	5	3,221.11	5	2,863.91	5	2,506.37	5	2,148.96	5	1,792.78	5	1,438.23	5	1,080.97	5	724.19	
1/4	1/4	3,570.47	1/4	3,213.67	1/4	2,856.46	1/4	2,498.92	1/4	2,141.54	1/4	1,785.50	1/4	1,430.78	1/4	1,073.55	1/4	716.74	
1/2	1/2	3,563.04	1/2	3,206.24	1/2	2,849.01	1/2	2,491.47	1/2	2,134.12	1/2	1,778.22	1/2	1,423.33	1/2	1,066.12	1/2	709.29	
3/4	3/4	3,555.61	3/4	3,198.80	3/4	2,841.56	3/4	2,484.02	3/4	2,126.70	3/4	1,770.93	3/4	1,415.88	3/4	1,058.70	3/4	701.84	
6	3,871.12	6	3,548.17	6	3,191.37	6	2,834.11	6	2,476.57	6	2,119.27	6	1,763.65	6	1,408.43	6	1,051.28	6	694.39
1/4	3,867.17	1/4	3,540.74	1/4	3,183.94	1/4	2,826.67	1/4	2,469.12	1/4	2,111.85	1/4	1,756.37	1/4	1,400.98	1/4	1,043.86	1/4	686.94
1/2	3,863.22	1/2	3,533.31	1/2	3,176.50	1/2	2,819.22	1/2	2,461.67	1/2	2,104.43	1/2	1,749.09	1/2	1,393.53	1/2	1,036.43	1/2	679.50
3/4	3,858.52	3/4	3,525.87	3/4	3,169.07	3/4	2,811.77	3/4	2,454.23	3/4	2,097.00	3/4	1,741.80	3/4	1,386.08	3/4	1,029.01	3/4	672.19
7	3,853.83	7	3,518.44	7	3,161.64	7	2,804.32	7	2,446.78	7	2,089.58	7	1,734.52	7	1,378.62	7	1,021.59	7	664.88
1/4	3,849.13	1/4	3,511.01	1/4	3,154.20	1/4	2,796.87	1/4	2,439.33	1/4	2,082.16	1/4	1,727.24	1/4	1,371.17	1/4	1,014.17	1/4	657.57
1/2	3,844.44	1/2	3,503.57	1/2	3,146.77	1/2	2,789.42	1/2	2,431.88	1/2	2,074.73	1/2	1,719.95	1/2	1,363.72	1/2	1,006.74	1/2	650.27
3/4	3,839.00	3/4	3,496.14	3/4	3,139.34	3/4	2,781.97	3/4	2,424.43	3/4	2,067.31	3/4	1,712.67	3/4	1,356.27	3/4	999.32	3/4	643.11
8	3,833.56	8	3,488.71	8	3,131.90	8	2,774.52	8	2,416.98	8	2,059.89	8	1,705.39	8	1,348.82	8	991.90	8	635.96
1/4	3,828.12	1/4	3,481.27	1/4	3,124.47	1/4	2,767.08	1/4	2,409.53	1/4	2,052.46	1/4	1,698.10	1/4	1,341.37	1/4	984.48	1/4	628.81
1/2	3,822.68	1/2	3,473.84	1/2	3,117.04	1/2	2,759.63	1/2	2,402.08	1/2	2,045.04	1/2	1,690.82	1/2	1,333.92	1/2	977.05	1/2	621.66
3/4	3,816.49	3/4	3,466.41	3/4	3,109.60	3/4	2,752.18	3/4	2,394.64	3/4	2,037.62	3/4	1,683.54	3/4	1,326.47	3/4	969.63	3/4	614.53
9	3,810.30	9	3,458.97	9	3,102.17	9	2,744.73	9	2,387.19	9	2,030.19	9	1,676.25	9	1,319.01	9	962.21	9	607.40
1/4	3,804.12	1/4	3,451.54	1/4	3,094.74	1/4	2,737.28	1/4	2,379.74	1/4	2,022.77	1/4	1,668.97	1/4	1,311.56	1/4	954.79	1/4	600.27
1/2	3,797.93	1/2	3,444.11	1/2	3,087.30	1/2	2,729.83	1/2	2,372.29	1/2	2,015.35	1/2	1,661.69	1/2	1,304.11	1/2	947.36	1/2	593.14
3/4	3,791.00	3/4	3,436.67	3/4	3,079.87	3/4	2,722.38	3/4	2,364.84	3/4	2,007.90	3/4	1,654.26	3/4	1,296.66	3/4	939.94	3/4	586.00
10	3,784.07	10	3,429.24	10	3,072.44	10	2,714.93	10	2,357.39	10	2,000.45	10	1,646.83	10	1,289.21	10	932.52	10	578.87
1/4	3,777.15	1/4	3,421.81	1/4	3,065.00	1/4	2,707.49	1/4	2,349.94	1/4	1,993.01	1/4	1,639.40	1/4	1,281.76	1/4	925.10	1/4	571.74
1/2	3,770.22	1/2	3,414.37	1/2	3,057.57	1/2	2,700.04	1/2	2,342.49	1/2	1,985.56	1/2	1,631.97	1/2	1,274.31	1/2	917.67	1/2	564.61
3/4	3,762.87	3/4	3,406.94	3/4	3,050.12	3/4	2,692.59	3/4	2,335.05	3/4	1,978.11	3/4	1,624.52	3/4	1,266.86	3/4	910.25	3/4	557.48
11	3,755.52	11	3,399.51	11	3,042.68	11	2,685.14	11	2,327.60	11	1,970.66	11	1,617.07	11	1,259.40	11	902.83	11	550.35
1/4	3,748.17	1/4	3,392.07	1/4	3,035.23	1/4	2,677.69	1/4	2,320.15	1/4	1,963.21	1/4	1,609.61	1/4	1,251.95	1/4	895.41	1/4	543.22
1/2	3,740.82	1/2	3,384.64	1/2	3,027.78	1/2	2,670.24	1/2	2,312.70	1/2	1,955.76	1/2	1,602.16	1/2	1,244.50	1/2	887.98	1/2	536.09
3/4	3,733.43	3/4	3,377.21	3/4	3,020.33	3/4	2,662.79	3/4	2,305.25	3/4	1,948.31	3/4	1,594.71	3/4	1,237.05	3/4	880.56	3/4	528.95

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  
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# BARGE "HSM 714"

**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	521.82	0	165.77	0		0		0		0		0		0		0		0	
1/4	514.69	1/4	158.33	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	507.56	1/2	150.89	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	500.29	3/4	143.58	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	493.02	1	136.27	1		1		1		1		1		1		1		1	
1/4	485.75	1/4	128.96	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	478.48	1/2	121.65	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	471.04	3/4	114.50	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	463.61	2	107.35	2		2		2		2		2		2		2		2	
1/4	456.18	1/4	100.20	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	448.75	1/2	93.06	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	441.30	3/4	85.81	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	433.85	3	78.57	3		3		3		3		3		3		3		3	
1/4	426.40	1/4	71.33	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	418.95	1/2	64.09	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	411.50	3/4	57.48	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	404.05	4	50.87	4		4		4		4		4		4		4		4	
1/4	396.59	1/4	44.25	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	389.14	1/2	37.64	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	381.69	3/4	32.75	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	374.24	5	27.86	5		5		5		5		5		5		5		5	
1/4	366.79	1/4	22.97	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	359.34	1/2	18.08	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	351.89	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	344.44	6		6		6		6		6		6		6		6		6	
1/4	337.00	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	329.55	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	322.10	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	314.66	7		7		7		7		7		7		7		7		7	
1/4	307.21	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	299.77	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	292.33	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	284.88	8		8		8		8		8		8		8		8		8	
1/4	277.44	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	269.99	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	262.55	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	255.10	9		9		9		9		9		9		9		9		9	
1/4	247.66	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	240.22	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	232.77	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	225.33	10		10		10		10		10		10		10		10		10	
1/4	217.88	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	210.44	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	202.99	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	195.55	11		11		11		11		11		11		11		11		11	
1/4	188.11	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	180.66	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	173.22	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: 03/21/2019 CL  
CALCULATED: 03/22/2019 CL  
PRINTED: 03/23/2019 CL

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CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2019