



BARGE "HSM 716"

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"

April 12, 2019

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HSM 716"

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	3,700.15	0	3,338.66	0	2,976.42	0	2,613.49	0	2,250.55	0	1,887.62	0	1,525.43	0	1,162.55	0	802.41
1/4		1/4	3,692.69	1/4	3,331.11	1/4	2,968.86	1/4	2,605.92	1/4	2,242.99	1/4	1,880.06	1/4	1,517.87	1/4	1,155.02	1/4	794.94
1/2		1/2	3,685.18	1/2	3,323.57	1/2	2,961.30	1/2	2,598.36	1/2	2,235.43	1/2	1,872.50	1/2	1,510.31	1/2	1,147.49	1/2	787.52
3/4		3/4	3,677.67	3/4	3,316.02	3/4	2,953.74	3/4	2,590.80	3/4	2,227.87	3/4	1,864.94	3/4	1,502.75	3/4	1,139.96	3/4	780.10
1		1	3,670.16	1	3,308.48	1	2,946.17	1	2,583.24	1	2,220.31	1	1,857.38	1	1,495.19	1	1,132.44	1	772.69
1/4		1/4	3,662.65	1/4	3,300.93	1/4	2,938.61	1/4	2,575.68	1/4	2,212.75	1/4	1,849.81	1/4	1,487.62	1/4	1,124.91	1/4	765.27
1/2		1/2	3,655.15	1/2	3,293.38	1/2	2,931.05	1/2	2,568.12	1/2	2,205.19	1/2	1,842.25	1/2	1,480.06	1/2	1,117.40	1/2	757.85
3/4		3/4	3,647.64	3/4	3,285.84	3/4	2,923.49	3/4	2,560.56	3/4	2,197.63	3/4	1,834.69	3/4	1,472.50	3/4	1,109.88	3/4	750.44
2		2	3,640.13	2	3,278.29	2	2,915.93	2	2,553.00	2	2,190.06	2	1,827.13	2	1,464.94	2	1,102.37	2	743.02
1/4		1/4	3,632.62	1/4	3,270.75	1/4	2,908.37	1/4	2,545.44	1/4	2,182.50	1/4	1,819.57	1/4	1,457.38	1/4	1,094.86	1/4	735.61
1/2		1/2	3,625.11	1/2	3,263.20	1/2	2,900.81	1/2	2,537.87	1/2	2,174.94	1/2	1,812.01	1/2	1,449.81	1/2	1,087.35	1/2	728.24
3/4		3/4	3,617.61	3/4	3,255.66	3/4	2,893.25	3/4	2,530.31	3/4	2,167.38	3/4	1,804.45	3/4	1,442.25	3/4	1,079.84	3/4	720.87
3		3	3,610.10	3	3,248.11	3	2,885.69	3	2,522.75	3	2,159.82	3	1,796.89	3	1,434.69	3	1,072.33	3	713.50
1/4		1/4	3,602.59	1/4	3,240.56	1/4	2,878.12	1/4	2,515.19	1/4	2,152.26	1/4	1,789.33	1/4	1,427.13	1/4	1,064.82	1/4	706.14
1/2		1/2	3,595.08	1/2	3,233.02	1/2	2,870.56	1/2	2,507.63	1/2	2,144.70	1/2	1,781.76	1/2	1,419.57	1/2	1,057.32	1/2	698.82
3/4		3/4	3,587.57	3/4	3,225.47	3/4	2,863.00	3/4	2,500.07	3/4	2,137.14	3/4	1,774.20	3/4	1,412.01	3/4	1,049.81	3/4	691.51
4		4	3,580.07	4	3,217.93	4	2,855.44	4	2,492.51	4	2,129.58	4	1,766.64	4	1,404.44	4	1,042.31	4	684.20
1/4		1/4	3,572.56	1/4	3,210.38	1/4	2,847.88	1/4	2,484.95	1/4	2,122.01	1/4	1,759.08	1/4	1,396.88	1/4	1,034.81	1/4	676.89
1/2		1/2	3,565.02	1/2	3,202.83	1/2	2,840.32	1/2	2,477.39	1/2	2,114.45	1/2	1,751.55	1/2	1,389.32	1/2	1,027.30	1/2	669.63
3/4		3/4	3,557.48	3/4	3,195.29	3/4	2,832.76	3/4	2,469.82	3/4	2,106.89	3/4	1,744.01	3/4	1,381.76	3/4	1,019.80	3/4	662.37
5		5	3,549.94	5	3,187.74	5	2,825.20	5	2,462.26	5	2,099.33	5	1,736.48	5	1,374.20	5	1,012.30	5	655.12
1/4		1/4	3,542.40	1/4	3,180.20	1/4	2,817.64	1/4	2,454.70	1/4	2,091.77	1/4	1,728.95	1/4	1,366.64	1/4	1,004.79	1/4	647.86
1/2		1/2	3,534.85	1/2	3,172.65	1/2	2,810.07	1/2	2,447.14	1/2	2,084.21	1/2	1,721.42	1/2	1,359.07	1/2	997.29	1/2	640.66
3/4		3/4	3,527.30	3/4	3,165.11	3/4	2,802.51	3/4	2,439.58	3/4	2,076.65	3/4	1,713.89	3/4	1,351.51	3/4	989.79	3/4	633.45
6		6	3,519.76	6	3,157.56	6	2,794.95	6	2,432.02	6	2,069.09	6	1,706.36	6	1,343.95	6	982.29	6	626.25
1/4		1/4	3,512.21	1/4	3,150.01	1/4	2,787.39	1/4	2,424.46	1/4	2,061.53	1/4	1,698.83	1/4	1,336.39	1/4	974.79	1/4	619.05
1/2		1/2	3,504.67	1/2	3,142.47	1/2	2,779.83	1/2	2,416.90	1/2	2,053.96	1/2	1,691.30	1/2	1,328.83	1/2	967.29	1/2	611.91
3/4	3,824.96	3/4	3,497.12	3/4	3,134.92	3/4	2,772.27	3/4	2,409.34	3/4	2,046.40	3/4	1,683.77	3/4	1,321.26	3/4	959.79	3/4	604.76
7	3,820.95	7	3,489.58	7	3,127.38	7	2,764.71	7	2,401.77	7	2,038.84	7	1,676.24	7	1,313.70	7	952.29	7	597.62
1/4	3,816.94	1/4	3,482.03	1/4	3,119.83	1/4	2,757.15	1/4	2,394.21	1/4	2,031.28	1/4	1,668.71	1/4	1,306.14	1/4	944.79	1/4	590.48
1/2	3,812.17	1/2	3,474.48	1/2	3,112.29	1/2	2,749.59	1/2	2,386.65	1/2	2,023.72	1/2	1,661.18	1/2	1,298.58	1/2	937.29	1/2	583.53
3/4	3,807.41	3/4	3,466.94	3/4	3,104.74	3/4	2,742.02	3/4	2,379.09	3/4	2,016.16	3/4	1,653.65	3/4	1,291.02	3/4	929.79	3/4	576.58
8	3,802.64	8	3,459.39	8	3,097.19	8	2,734.46	8	2,371.53	8	2,008.60	8	1,646.12	8	1,283.46	8	922.30	8	569.63
1/4	3,797.87	1/4	3,451.85	1/4	3,089.65	1/4	2,726.90	1/4	2,363.97	1/4	2,001.04	1/4	1,638.59	1/4	1,275.89	1/4	914.80	1/4	562.68
1/2	3,792.35	1/2	3,444.30	1/2	3,082.10	1/2	2,719.34	1/2	2,356.41	1/2	1,993.48	1/2	1,631.06	1/2	1,268.33	1/2	907.30	1/2	555.95
3/4	3,786.83	3/4	3,436.75	3/4	3,074.56	3/4	2,711.78	3/4	2,348.85	3/4	1,985.91	3/4	1,623.53	3/4	1,260.77	3/4	899.80	3/4	549.21
9	3,781.30	9	3,429.21	9	3,067.01	9	2,704.22	9	2,341.29	9	1,978.35	9	1,616.00	9	1,253.21	9	892.30	9	542.48
1/4	3,775.78	1/4	3,421.66	1/4	3,059.46	1/4	2,696.66	1/4	2,333.73	1/4	1,970.79	1/4	1,608.47	1/4	1,245.65	1/4	884.80	1/4	535.74
1/2	3,769.50	1/2	3,414.12	1/2	3,051.92	1/2	2,689.10	1/2	2,326.16	1/2	1,963.23	1/2	1,600.94	1/2	1,238.08	1/2	877.30	1/2	529.08
3/4	3,763.22	3/4	3,406.57	3/4	3,044.37	3/4	2,681.54	3/4	2,318.60	3/4	1,955.67	3/4	1,593.41	3/4	1,230.52	3/4	869.80	3/4	522.42
10	3,756.94	10	3,399.03	10	3,036.83	10	2,673.97	10	2,311.04	10	1,948.11	10	1,585.88	10	1,222.96	10	862.30	10	515.76
1/4	3,750.66	1/4	3,391.48	1/4	3,029.28	1/4	2,666.41	1/4	2,303.48	1/4	1,940.55	1/4	1,578.35	1/4	1,215.40	1/4	854.80	1/4	509.10
1/2	3,743.63	1/2	3,383.93	1/2	3,021.74	1/2	2,658.85	1/2	2,295.92	1/2	1,932.99	1/2	1,570.79	1/2	1,207.84	1/2	847.30	1/2	502.49
3/4	3,736.60	3/4	3,376.39	3/4	3,014.19	3/4	2,651.29	3/4	2,288.36	3/4	1,925.43	3/4	1,563.23	3/4	1,200.28	3/4	839.81	3/4	495.88
11	3,729.56	11	3,368.84	11	3,006.64	11	2,643.73	11	2,280.80	11	1,917.86	11	1,555.68	11	1,192.71	11	832.31	11	489.28
1/4	3,722.53	1/4	3,361.30	1/4	2,999.10	1/4	2,636.17	1/4	2,273.24	1/4	1,910.30	1/4	1,548.12	1/4	1,185.15	1/4	824.81	1/4	482.67
1/2	3,715.07	1/2	3,353.75	1/2	2,991.54	1/2	2,628.61	1/2	2,265.68	1/2	1,902.74	1/2	1,540.56	1/2	1,177.62	1/2	817.34	1/2	476.12
3/4	3,707.61	3/4	3,346.21	3/4	2,983.98	3/4	2,621.05	3/4	2,258.11	3/4	1,895.18	3/4	1,532.99	3/4	1,170.09	3/4	809.87	3/4	469.57

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.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "HSM 716"

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	463.02	0	152.41	0		0		0		0		0		0		0		0	
1/4	456.47	1/4	146.21	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	449.98	1/2	140.06	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	443.48	3/4	133.92	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	436.99	1	127.78	1		1		1		1		1		1		1		1	
1/4	430.49	1/4	121.63	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	423.91	1/2	115.68	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	417.33	3/4	109.73	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	410.75	2	103.77	2		2		2		2		2		2		2		2	
1/4	404.17	1/4	97.82	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	397.49	1/2	92.08	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	390.80	3/4	86.35	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	384.12	3	80.61	3		3		3		3		3		3		3		3	
1/4	377.44	1/4	74.87	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	370.79	1/2	69.10	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	364.14	3/4	63.32	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	357.49	4	57.55	4		4		4		4		4		4		4		4	
1/4	350.84	1/4	51.77	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	344.25	1/2	46.69	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	337.66	3/4	41.62	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	331.06	5	36.54	5		5		5		5		5		5		5		5	
1/4	324.47	1/4	31.46	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	317.93	1/2	28.00	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	311.39	3/4	24.53	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	304.86	6	21.07	6		6		6		6		6		6		6		6	
1/4	298.32	1/4	17.60	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	291.84	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	285.36	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	278.88	7		7		7		7		7		7		7		7		7	
1/4	272.40	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	265.98	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	259.56	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	253.14	8		8		8		8		8		8		8		8		8	
1/4	246.72	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	240.35	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	233.99	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	227.62	9		9		9		9		9		9		9		9		9	
1/4	221.26	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	214.95	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	208.64	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	202.33	10		10		10		10		10		10		10		10		10	
1/4	196.02	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	189.77	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	183.51	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	177.26	11		11		11		11		11		11		11		11		11	
1/4	171.00	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164.80	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158.60	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: 04/11/2019 CL
CALCULATED: 04/12/2019 CL
PRINTED: 04/12/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2019

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



BARGE "HSM 716"

1 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	3,683.33	0	3,322.09	0	2,960.20	0	2,597.63	0	2,235.05	0	1,872.48	0	1,510.65	0	1,148.06	0	786.84
1/4		1/4	3,675.83	1/4	3,314.55	1/4	2,952.65	1/4	2,590.07	1/4	2,227.50	1/4	1,864.93	1/4	1,503.10	1/4	1,140.50	1/4	779.40
1/2		1/2	3,668.33	1/2	3,307.01	1/2	2,945.09	1/2	2,582.52	1/2	2,219.95	1/2	1,857.37	1/2	1,495.54	1/2	1,132.95	1/2	771.96
3/4		3/4	3,660.83	3/4	3,299.47	3/4	2,937.54	3/4	2,574.97	3/4	2,212.39	3/4	1,849.82	3/4	1,487.99	3/4	1,125.39	3/4	764.51
1		1	3,653.33	1	3,291.93	1	2,929.98	1	2,567.41	1	2,204.84	1	1,842.27	1	1,480.44	1	1,117.86	1	757.10
1/4		1/4	3,645.83	1/4	3,284.39	1/4	2,922.43	1/4	2,559.86	1/4	2,197.29	1/4	1,834.71	1/4	1,472.88	1/4	1,110.32	1/4	749.69
1/2		1/2	3,638.33	1/2	3,276.86	1/2	2,914.88	1/2	2,552.30	1/2	2,189.73	1/2	1,827.16	1/2	1,465.33	1/2	1,102.78	1/2	742.28
3/4		3/4	3,630.83	3/4	3,269.32	3/4	2,907.32	3/4	2,544.75	3/4	2,182.18	3/4	1,819.61	3/4	1,457.77	3/4	1,095.24	3/4	734.87
2		2	3,623.33	2	3,261.78	2	2,899.77	2	2,537.20	2	2,174.62	2	1,812.05	2	1,450.22	2	1,087.71	2	727.51
1/4		1/4	3,615.83	1/4	3,254.24	1/4	2,892.22	1/4	2,529.64	1/4	2,167.07	1/4	1,804.50	1/4	1,442.66	1/4	1,080.17	1/4	720.15
1/2		1/2	3,608.33	1/2	3,246.70	1/2	2,884.66	1/2	2,522.09	1/2	2,159.52	1/2	1,796.94	1/2	1,435.11	1/2	1,072.64	1/2	712.79
3/4		3/4	3,600.83	3/4	3,239.17	3/4	2,877.11	3/4	2,514.54	3/4	2,151.96	3/4	1,789.39	3/4	1,427.56	3/4	1,065.10	3/4	705.42
3		3	3,593.32	3	3,231.63	3	2,869.56	3	2,506.98	3	2,144.41	3	1,781.84	3	1,420.00	3	1,057.57	3	698.12
1/4		1/4	3,585.82	1/4	3,224.09	1/4	2,862.00	1/4	2,499.43	1/4	2,136.86	1/4	1,774.28	1/4	1,412.45	1/4	1,050.04	1/4	690.81
1/2		1/2	3,578.32	1/2	3,216.55	1/2	2,854.45	1/2	2,491.88	1/2	2,129.30	1/2	1,766.73	1/2	1,404.89	1/2	1,042.51	1/2	683.51
3/4		3/4	3,570.82	3/4	3,209.01	3/4	2,846.90	3/4	2,484.32	3/4	2,121.75	3/4	1,759.18	3/4	1,397.34	3/4	1,034.98	3/4	676.20
4		4	3,563.29	4	3,201.47	4	2,839.34	4	2,476.77	4	2,114.20	4	1,751.65	4	1,389.79	4	1,027.45	4	668.95
1/4		1/4	3,555.76	1/4	3,193.94	1/4	2,831.79	1/4	2,469.22	1/4	2,106.64	1/4	1,744.12	1/4	1,382.23	1/4	1,019.92	1/4	661.70
1/2		1/2	3,548.23	1/2	3,186.40	1/2	2,824.23	1/2	2,461.66	1/2	2,099.09	1/2	1,736.60	1/2	1,374.68	1/2	1,012.39	1/2	654.45
3/4		3/4	3,540.69	3/4	3,178.86	3/4	2,816.68	3/4	2,454.11	3/4	2,091.54	3/4	1,729.07	3/4	1,367.12	3/4	1,004.86	3/4	647.21
5		5	3,533.16	5	3,171.32	5	2,809.13	5	2,446.55	5	2,083.98	5	1,721.55	5	1,359.57	5	997.34	5	640.01
1/4		1/4	3,525.62	1/4	3,163.78	1/4	2,801.57	1/4	2,439.00	1/4	2,076.43	1/4	1,714.03	1/4	1,352.02	1/4	989.81	1/4	632.82
1/2		1/2	3,518.08	1/2	3,156.25	1/2	2,794.02	1/2	2,431.45	1/2	2,068.87	1/2	1,706.50	1/2	1,344.46	1/2	982.29	1/2	625.62
3/4		3/4	3,510.54	3/4	3,148.71	3/4	2,786.47	3/4	2,423.89	3/4	2,061.32	3/4	1,698.98	3/4	1,336.91	3/4	974.76	3/4	618.43
6		6	3,503.00	6	3,141.17	6	2,778.91	6	2,416.34	6	2,053.77	6	1,691.46	6	1,329.35	6	967.24	6	611.29
1/4	3,822.97	1/4	3,495.46	1/4	3,133.63	1/4	2,771.36	1/4	2,408.79	1/4	2,046.21	1/4	1,683.94	1/4	1,321.80	1/4	959.71	1/4	604.15
1/2	3,818.97	1/2	3,487.93	1/2	3,126.09	1/2	2,763.81	1/2	2,401.23	1/2	2,038.66	1/2	1,676.42	1/2	1,314.25	1/2	952.19	1/2	597.02
3/4	3,814.96	3/4	3,480.39	3/4	3,118.55	3/4	2,756.25	3/4	2,393.68	3/4	2,031.11	3/4	1,668.89	3/4	1,306.69	3/4	944.66	3/4	589.88
7	3,810.20	7	3,472.85	7	3,111.02	7	2,748.70	7	2,386.13	7	2,023.55	7	1,661.37	7	1,299.14	7	937.13	7	582.94
1/4	3,805.44	1/4	3,465.31	1/4	3,103.48	1/4	2,741.14	1/4	2,378.57	1/4	2,016.00	1/4	1,653.85	1/4	1,291.58	1/4	929.61	1/4	576.00
1/2	3,800.67	1/2	3,457.77	1/2	3,095.94	1/2	2,733.59	1/2	2,371.02	1/2	2,008.45	1/2	1,646.33	1/2	1,284.03	1/2	922.08	1/2	569.06
3/4	3,795.91	3/4	3,450.24	3/4	3,088.40	3/4	2,726.04	3/4	2,363.46	3/4	2,000.89	3/4	1,638.80	3/4	1,276.47	3/4	914.56	3/4	562.12
8	3,790.39	8	3,442.70	8	3,080.86	8	2,718.48	8	2,355.91	8	1,993.34	8	1,631.28	8	1,268.92	8	907.03	8	555.39
1/4	3,784.88	1/4	3,435.16	1/4	3,073.33	1/4	2,710.93	1/4	2,348.36	1/4	1,985.78	1/4	1,623.76	1/4	1,261.37	1/4	899.51	1/4	548.66
1/2	3,779.36	1/2	3,427.62	1/2	3,065.79	1/2	2,703.38	1/2	2,340.80	1/2	1,978.23	1/2	1,616.24	1/2	1,253.81	1/2	891.98	1/2	541.93
3/4	3,773.84	3/4	3,420.08	3/4	3,058.25	3/4	2,695.82	3/4	2,333.25	3/4	1,970.68	3/4	1,608.72	3/4	1,246.26	3/4	884.46	3/4	535.20
9	3,767.57	9	3,412.54	9	3,050.71	9	2,688.27	9	2,325.70	9	1,963.12	9	1,601.19	9	1,238.70	9	876.93	9	528.55
1/4	3,761.30	1/4	3,405.01	1/4	3,043.17	1/4	2,680.72	1/4	2,318.14	1/4	1,955.57	1/4	1,593.67	1/4	1,231.15	1/4	869.40	1/4	521.89
1/2	3,755.02	1/2	3,397.47	1/2	3,035.63	1/2	2,673.16	1/2	2,310.59	1/2	1,948.02	1/2	1,586.15	1/2	1,223.60	1/2	861.88	1/2	515.24
3/4	3,748.75	3/4	3,389.93	3/4	3,028.10	3/4	2,665.61	3/4	2,303.04	3/4	1,940.46	3/4	1,578.63	3/4	1,216.04	3/4	854.35	3/4	508.58
10	3,741.72	10	3,382.39	10	3,020.56	10	2,658.06	10	2,295.48	10	1,932.91	10	1,571.08	10	1,208.49	10	846.83	10	501.98
1/4	3,734.70	1/4	3,374.85	1/4	3,013.02	1/4	2,650.50	1/4	2,287.93	1/4	1,925.36	1/4	1,563.52	1/4	1,200.93	1/4	839.31	1/4	495.38
1/2	3,727.67	1/2	3,367.32	1/2	3,005.48	1/2	2,642.95	1/2	2,280.38	1/2	1,917.80	1/2	1,555.97	1/2	1,193.38	1/2	831.79	1/2	488.79
3/4	3,720.64	3/4	3,359.78	3/4	2,997.94	3/4	2,635.39	3/4	2,272.82	3/4	1,910.25	3/4	1,548.42	3/4	1,185.83	3/4	824.26	3/4	482.19
11	3,713.19	11	3,352.24	11	2,990.40	11	2,627.84	11	2,265.27	11	1,902.70	11	1,540.87	11	1,178.27	11	816.77	11	475.64
1/4	3,705.74	1/4	3,344.70	1/4	2,982.85	1/4	2,620.29	1/4	2,257.71	1/4	1,895.14	1/4	1,533.31	1/4	1,170.72	1/4	809.27	1/4	469.10
1/2	3,698.28	1/2	3,337.16	1/2	2,975.30	1/2	2,612.73	1/2	2,250.16	1/2	1,887.59	1/2	1,525.76	1/2	1,163.16	1/2	801.78	1/2	462.55
3/4	3,690.83	3/4	3,329.62	3/4	2,967.75	3/4	2,605.18	3/4	2,242.61	3/4	1,880.03	3/4	1,518.21	3/4	1,155.61	3/4	794.28	3/4	456.01

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.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "HSM 716"

**1 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	449.52	0	139.92	0		0		0		0		0		0		0		0	
1/4	443.03	1/4	133.78	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	436.54	1/2	127.65	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	430.06	3/4	121.51	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	423.48	1	115.56	1		1		1		1		1		1		1		1	
1/4	416.91	1/4	109.61	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	410.34	1/2	103.67	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	403.76	3/4	97.72	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	397.09	2	91.99	2		2		2		2		2		2		2		2	
1/4	390.41	1/4	86.26	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	383.73	1/2	80.53	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	377.06	3/4	74.80	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	370.41	3	69.03	3		3		3		3		3		3		3		3	
1/4	363.77	1/4	63.26	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	357.13	1/2	57.49	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	350.49	3/4	51.72	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	343.90	4	46.65	4		4		4		4		4		4		4		4	
1/4	337.32	1/4	41.57	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	330.73	1/2	36.50	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	324.14	3/4	31.43	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	317.61	5	27.97	5		5		5		5		5		5		5		5	
1/4	311.08	1/4	24.51	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	304.55	1/2	21.04	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	298.02	3/4	17.58	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	291.55	6	=====	6		6		6		6		6		6		6		6	
1/4	285.07	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	278.60	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	272.13	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	265.71	7		7		7		7		7		7		7		7		7	
1/4	259.30	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	252.88	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	246.47	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	240.11	8		8		8		8		8		8		8		8		8	
1/4	233.75	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	227.39	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	221.04	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	214.73	9		9		9		9		9		9		9		9		9	
1/4	208.43	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	202.13	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	195.82	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	189.57	10		10		10		10		10		10		10		10		10	
1/4	183.33	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	177.08	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	170.83	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	164.64	11		11		11		11		11		11		11		11		11	
1/4	158.44	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152.25	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	146.06	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: 04/11/2019 CL
CALCULATED: 04/12/2019 CL
PRINTED: 04/12/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 716"

2 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	3,743.24	0	3,385.86	0	3,027.72	0	2,668.89	0	2,310.06	0	1,951.23	0	1,596.39	0	1,238.41	0	896.62
1/4		1/4	3,735.87	1/4	3,378.40	1/4	3,020.24	1/4	2,661.42	1/4	2,302.59	1/4	1,943.76	1/4	1,588.92	1/4	1,231.22	1/4	889.50
1/2		1/2	3,728.45	1/2	3,370.94	1/2	3,012.77	1/2	2,653.94	1/2	2,295.11	1/2	1,936.28	1/2	1,581.44	1/2	1,224.08	1/2	882.39
3/4		3/4	3,721.02	3/4	3,363.48	3/4	3,005.29	3/4	2,646.46	3/4	2,287.64	3/4	1,928.81	3/4	1,573.96	3/4	1,216.93	3/4	875.27
1		1	3,713.60	1	3,356.02	1	2,997.82	1	2,638.99	1	2,280.16	1	1,921.33	1	1,566.49	1	1,209.79	1	868.16
1/4		1/4	3,706.18	1/4	3,348.56	1/4	2,990.34	1/4	2,631.51	1/4	2,272.68	1/4	1,913.86	1/4	1,559.01	1/4	1,202.65	1/4	861.05
1/2		1/2	3,698.76	1/2	3,341.10	1/2	2,982.87	1/2	2,624.04	1/2	2,265.21	1/2	1,906.38	1/2	1,551.53	1/2	1,195.52	1/2	853.62
3/4		3/4	3,691.33	3/4	3,333.64	3/4	2,975.39	3/4	2,616.56	3/4	2,257.73	3/4	1,898.90	3/4	1,544.06	3/4	1,188.40	3/4	846.18
2		2	3,683.91	2	3,326.18	2	2,967.92	2	2,609.09	2	2,250.26	2	1,891.43	2	1,536.58	2	1,181.27	2	838.75
1/4		1/4	3,676.49	1/4	3,318.72	1/4	2,960.44	1/4	2,601.61	1/4	2,242.78	1/4	1,883.95	1/4	1,529.11	1/4	1,174.14	1/4	831.32
1/2		1/2	3,669.07	1/2	3,311.26	1/2	2,952.96	1/2	2,594.14	1/2	2,235.31	1/2	1,876.48	1/2	1,521.63	1/2	1,167.02	1/2	823.85
3/4		3/4	3,661.64	3/4	3,303.80	3/4	2,945.49	3/4	2,586.66	3/4	2,227.83	3/4	1,869.00	3/4	1,514.15	3/4	1,159.90	3/4	816.37
3		3	3,654.22	3	3,296.34	3	2,938.01	3	2,579.18	3	2,220.36	3	1,861.53	3	1,506.68	3	1,152.77	3	808.89
1/4		1/4	3,646.80	1/4	3,288.88	1/4	2,930.54	1/4	2,571.71	1/4	2,212.88	1/4	1,854.05	1/4	1,499.20	1/4	1,145.65	1/4	801.42
1/2		1/2	3,639.38	1/2	3,281.42	1/2	2,923.06	1/2	2,564.23	1/2	2,205.40	1/2	1,846.58	1/2	1,491.72	1/2	1,138.53	1/2	793.94
3/4		3/4	3,631.95	3/4	3,273.96	3/4	2,915.59	3/4	2,556.76	3/4	2,197.93	3/4	1,839.10	3/4	1,484.25	3/4	1,131.41	3/4	786.47
4		4	3,624.53	4	3,266.50	4	2,908.11	4	2,549.28	4	2,190.45	4	1,831.62	4	1,476.77	4	1,124.29	4	778.99
1/4		1/4	3,617.11	1/4	3,259.04	1/4	2,900.64	1/4	2,541.81	1/4	2,182.98	1/4	1,824.15	1/4	1,469.30	1/4	1,117.17	1/4	771.51
1/2		1/2	3,609.65	1/2	3,251.58	1/2	2,893.16	1/2	2,534.33	1/2	2,175.50	1/2	1,816.82	1/2	1,461.82	1/2	1,110.05	1/2	764.04
3/4		3/4	3,602.20	3/4	3,244.12	3/4	2,885.68	3/4	2,526.86	3/4	2,168.03	3/4	1,809.49	3/4	1,454.34	3/4	1,102.94	3/4	756.56
5		5	3,594.74	5	3,236.66	5	2,878.21	5	2,519.38	5	2,160.55	5	1,802.16	5	1,446.87	5	1,095.82	5	749.09
1/4		1/4	3,587.29	1/4	3,229.19	1/4	2,870.73	1/4	2,511.90	1/4	2,153.08	1/4	1,794.83	1/4	1,439.39	1/4	1,088.70	1/4	741.61
1/2		1/2	3,579.83	1/2	3,221.73	1/2	2,863.26	1/2	2,504.43	1/2	2,145.60	1/2	1,787.52	1/2	1,431.91	1/2	1,081.59	1/2	734.13
3/4		3/4	3,572.37	3/4	3,214.27	3/4	2,855.78	3/4	2,496.95	3/4	2,138.12	3/4	1,780.21	3/4	1,424.44	3/4	1,074.47	3/4	726.66
6		6	3,564.91	6	3,206.81	6	2,848.31	6	2,489.48	6	2,130.65	6	1,772.90	6	1,416.96	6	1,067.36	6	719.18
1/4		1/4	3,557.45	1/4	3,199.35	1/4	2,840.83	1/4	2,482.00	1/4	2,123.17	1/4	1,765.59	1/4	1,409.48	1/4	1,060.24	1/4	711.71
1/2		1/2	3,549.99	1/2	3,191.89	1/2	2,833.35	1/2	2,474.53	1/2	2,115.70	1/2	1,758.28	1/2	1,402.01	1/2	1,053.13	1/2	704.23
3/4	3,866.64	3/4	3,542.53	3/4	3,184.43	3/4	2,825.88	3/4	2,467.05	3/4	2,108.22	3/4	1,750.97	3/4	1,394.53	3/4	1,046.01	3/4	696.76
7	3,862.68	7	3,535.07	7	3,176.97	7	2,818.40	7	2,459.57	7	2,100.75	7	1,743.66	7	1,387.06	7	1,038.90	7	689.29
1/4	3,858.72	1/4	3,527.61	1/4	3,169.51	1/4	2,810.93	1/4	2,452.10	1/4	2,093.27	1/4	1,736.35	1/4	1,379.58	1/4	1,031.78	1/4	681.81
1/2	3,854.00	1/2	3,520.15	1/2	3,162.05	1/2	2,803.45	1/2	2,444.62	1/2	2,085.79	1/2	1,729.05	1/2	1,372.10	1/2	1,024.67	1/2	674.48
3/4	3,849.29	3/4	3,512.69	3/4	3,154.59	3/4	2,795.98	3/4	2,437.15	3/4	2,078.32	3/4	1,721.74	3/4	1,364.63	3/4	1,017.56	3/4	667.15
8	3,844.58	8	3,505.23	8	3,147.13	8	2,788.50	8	2,429.67	8	2,070.84	8	1,714.43	8	1,357.15	8	1,010.44	8	659.82
1/4	3,839.87	1/4	3,497.77	1/4	3,139.67	1/4	2,781.03	1/4	2,422.20	1/4	2,063.37	1/4	1,707.12	1/4	1,349.67	1/4	1,003.33	1/4	652.48
1/2	3,834.41	1/2	3,490.31	1/2	3,132.21	1/2	2,773.55	1/2	2,414.72	1/2	2,055.89	1/2	1,699.81	1/2	1,342.20	1/2	996.21	1/2	645.31
3/4	3,828.95	3/4	3,482.85	3/4	3,124.75	3/4	2,766.07	3/4	2,407.25	3/4	2,048.42	3/4	1,692.50	3/4	1,334.72	3/4	989.10	3/4	638.13
9	3,823.49	9	3,475.38	9	3,117.29	9	2,758.60	9	2,399.77	9	2,040.94	9	1,685.19	9	1,327.25	9	981.99	9	630.95
1/4	3,818.03	1/4	3,467.92	1/4	3,109.83	1/4	2,751.12	1/4	2,392.29	1/4	2,033.47	1/4	1,677.88	1/4	1,319.77	1/4	974.87	1/4	623.78
1/2	3,811.82	1/2	3,460.46	1/2	3,102.37	1/2	2,743.65	1/2	2,384.82	1/2	2,025.99	1/2	1,670.57	1/2	1,312.29	1/2	967.76	1/2	616.62
3/4	3,805.61	3/4	3,453.00	3/4	3,094.91	3/4	2,736.17	3/4	2,377.34	3/4	2,018.51	3/4	1,663.26	3/4	1,304.82	3/4	960.64	3/4	609.47
10	3,799.41	10	3,445.54	10	3,087.45	10	2,728.70	10	2,369.87	10	2,011.04	10	1,655.95	10	1,297.34	10	953.53	10	602.31
1/4	3,793.20	1/4	3,438.08	1/4	3,079.99	1/4	2,721.22	1/4	2,362.39	1/4	2,003.56	1/4	1,648.64	1/4	1,289.86	1/4	946.42	1/4	595.15
1/2	3,786.24	1/2	3,430.62	1/2	3,072.53	1/2	2,713.75	1/2	2,354.92	1/2	1,996.09	1/2	1,641.19	1/2	1,282.39	1/2	939.30	1/2	588.00
3/4	3,779.29	3/4	3,423.16	3/4	3,065.07	3/4	2,706.27	3/4	2,347.44	3/4	1,988.61	3/4	1,633.73	3/4	1,274.91	3/4	932.19	3/4	580.84
11	3,772.33	11	3,415.70	11	3,057.61	11	2,698.79	11	2,339.97	11	1,981.14	11	1,626.28	11	1,267.44	11	925.07	11	573.68
1/4	3,765.37	1/4	3,408.24	1/4	3,050.15	1/4	2,691.32	1/4	2,332.49	1/4	1,973.66	1/4	1,618.82	1/4	1,259.96	1/4	917.96	1/4	566.53
1/2	3,758.00	1/2	3,400.78	1/2	3,042.67	1/2	2,683.84	1/2	2,325.01	1/2	1,966.19	1/2	1,611.34	1/2	1,252.77	1/2	910.85	1/2	559.37
3/4	3,750.62	3/4	3,393.32	3/4	3,035.20	3/4	2,676.37	3/4	2,317.54	3/4	1,958.71	3/4	1,603.87	3/4	1,245.59	3/4	903.73	3/4	552.21

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.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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





BARGE "HSM 716"

2 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	545.06	0	188.74	0		0		0		0		0		0		0		0	
1/4	537.90	1/4	181.28	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	530.75	1/2	173.81	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	523.59	3/4	166.34	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	516.43	1	158.87	1		1		1		1		1		1		1		1	
1/4	509.28	1/4	151.40	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	501.98	1/2	144.06	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	494.68	3/4	136.73	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	487.39	2	129.40	2		2		2		2		2		2		2		2	
1/4	480.09	1/4	122.06	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	472.64	1/2	114.89	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	465.18	3/4	107.72	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	457.72	3	100.54	3		3		3		3		3		3		3		3	
1/4	450.27	1/4	93.37	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	442.79	1/2	86.10	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	435.31	3/4	78.84	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	427.84	4	71.57	4		4		4		4		4		4		4		4	
1/4	420.36	1/4	64.30	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	412.89	1/2	57.67	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	405.41	3/4	51.03	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	397.93	5	44.40	5		5		5		5		5		5		5		5	
1/4	390.46	1/4	37.77	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	382.98	1/2	32.86	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	375.51	3/4	27.95	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	368.03	6	23.05	6		6		6		6		6		6		6		6	
1/4	360.55	1/4	18.14	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	353.08	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	345.61	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	338.14	7		7		7		7		7		7		7		7		7	
1/4	330.66	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	323.19	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	315.72	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	308.25	8		8		8		8		8		8		8		8		8	
1/4	300.78	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	293.31	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	285.84	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	278.38	9		9		9		9		9		9		9		9		9	
1/4	270.91	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	263.44	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	255.97	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	248.50	10		10		10		10		10		10		10		10		10	
1/4	241.03	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	233.56	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	226.09	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	218.62	11		11		11		11		11		11		11		11		11	
1/4	211.15	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	203.68	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	196.21	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: 04/11/2019 CL
CALCULATED: 04/12/2019 CL
PRINTED: 04/12/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2019

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



BARGE "HSM 716"

2 STBD 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	3,755.91	0	3,398.31	0	3,040.02	0	2,681.06	0	2,322.10	0	1,963.14	0	1,608.17	0	1,249.18	0	891.33
1/4		1/4	3,748.48	1/4	3,390.84	1/4	3,032.54	1/4	2,673.58	1/4	2,314.62	1/4	1,955.66	1/4	1,600.69	1/4	1,241.70	1/4	883.88
1/2		1/2	3,741.06	1/2	3,383.38	1/2	3,025.06	1/2	2,666.10	1/2	2,307.14	1/2	1,948.19	1/2	1,593.21	1/2	1,234.22	1/2	876.43
3/4		3/4	3,733.63	3/4	3,375.92	3/4	3,017.58	3/4	2,658.62	3/4	2,299.67	3/4	1,940.71	3/4	1,585.73	3/4	1,226.74	3/4	868.98
1		1	3,726.21	1	3,368.46	1	3,010.10	1	2,651.15	1	2,292.19	1	1,933.23	1	1,578.25	1	1,219.26	1	861.53
1/4		1/4	3,718.78	1/4	3,360.99	1/4	3,002.63	1/4	2,643.67	1/4	2,284.71	1/4	1,925.75	1/4	1,570.78	1/4	1,211.80	1/4	854.05
1/2		1/2	3,711.36	1/2	3,353.53	1/2	2,995.15	1/2	2,636.19	1/2	2,277.23	1/2	1,918.27	1/2	1,563.30	1/2	1,204.34	1/2	846.58
3/4		3/4	3,703.93	3/4	3,346.07	3/4	2,987.67	3/4	2,628.71	3/4	2,269.75	3/4	1,910.79	3/4	1,555.82	3/4	1,196.87	3/4	839.10
2		2	3,696.50	2	3,338.60	2	2,980.19	2	2,621.23	2	2,262.27	2	1,903.32	2	1,548.34	2	1,189.41	2	831.63
1/4		1/4	3,689.08	1/4	3,331.14	1/4	2,972.71	1/4	2,613.75	1/4	2,254.80	1/4	1,895.84	1/4	1,540.86	1/4	1,181.95	1/4	824.15
1/2		1/2	3,681.65	1/2	3,323.68	1/2	2,965.23	1/2	2,606.28	1/2	2,247.32	1/2	1,888.36	1/2	1,533.38	1/2	1,174.49	1/2	816.67
3/4		3/4	3,674.23	3/4	3,316.21	3/4	2,957.76	3/4	2,598.80	3/4	2,239.84	3/4	1,880.88	3/4	1,525.90	3/4	1,167.03	3/4	809.19
3		3	3,666.80	3	3,308.75	3	2,950.28	3	2,591.32	3	2,232.36	3	1,873.40	3	1,518.42	3	1,159.57	3	801.71
1/4		1/4	3,659.38	1/4	3,301.29	1/4	2,942.80	1/4	2,583.84	1/4	2,224.88	1/4	1,865.92	1/4	1,510.94	1/4	1,152.12	1/4	794.23
1/2		1/2	3,651.95	1/2	3,293.83	1/2	2,935.32	1/2	2,576.36	1/2	2,217.40	1/2	1,858.45	1/2	1,503.46	1/2	1,144.66	1/2	786.75
3/4		3/4	3,644.53	3/4	3,286.36	3/4	2,927.84	3/4	2,568.89	3/4	2,209.93	3/4	1,850.97	3/4	1,495.99	3/4	1,137.21	3/4	779.28
4		4	3,637.10	4	3,278.90	4	2,920.37	4	2,561.41	4	2,202.45	4	1,843.49	4	1,488.51	4	1,129.75	4	771.80
1/4		1/4	3,629.65	1/4	3,271.44	1/4	2,912.89	1/4	2,553.93	1/4	2,194.97	1/4	1,836.16	1/4	1,481.03	1/4	1,122.30	1/4	764.32
1/2		1/2	3,622.19	1/2	3,263.97	1/2	2,905.41	1/2	2,546.45	1/2	2,187.49	1/2	1,828.82	1/2	1,473.55	1/2	1,114.84	1/2	756.84
3/4		3/4	3,614.73	3/4	3,256.51	3/4	2,897.93	3/4	2,538.97	3/4	2,180.01	3/4	1,821.49	3/4	1,466.07	3/4	1,107.39	3/4	749.36
5		5	3,607.27	5	3,249.05	5	2,890.45	5	2,531.49	5	2,172.54	5	1,814.16	5	1,458.59	5	1,099.94	5	741.88
1/4		1/4	3,599.81	1/4	3,241.58	1/4	2,882.97	1/4	2,524.02	1/4	2,165.06	1/4	1,806.85	1/4	1,451.11	1/4	1,092.49	1/4	734.40
1/2		1/2	3,592.35	1/2	3,234.12	1/2	2,875.50	1/2	2,516.54	1/2	2,157.58	1/2	1,799.54	1/2	1,443.63	1/2	1,085.03	1/2	726.92
3/4		3/4	3,584.88	3/4	3,226.66	3/4	2,868.02	3/4	2,509.06	3/4	2,150.10	3/4	1,792.22	3/4	1,436.15	3/4	1,077.58	3/4	719.44
6		6	3,577.42	6	3,219.20	6	2,860.54	6	2,501.58	6	2,142.62	6	1,784.91	6	1,428.67	6	1,070.13	6	711.97
1/4		1/4	3,569.96	1/4	3,211.73	1/4	2,853.06	1/4	2,494.10	1/4	2,135.14	1/4	1,777.60	1/4	1,421.20	1/4	1,062.68	1/4	704.49
1/2	3,886.73	1/2	3,562.49	1/2	3,204.27	1/2	2,845.58	1/2	2,486.62	1/2	2,127.67	1/2	1,770.29	1/2	1,413.72	1/2	1,055.23	1/2	697.01
3/4	3,882.76	3/4	3,555.03	3/4	3,196.81	3/4	2,838.10	3/4	2,479.15	3/4	2,120.19	3/4	1,762.98	3/4	1,406.24	3/4	1,047.78	3/4	689.54
7	3,878.80	7	3,547.57	7	3,189.34	7	2,830.63	7	2,471.67	7	2,112.71	7	1,755.66	7	1,398.76	7	1,040.33	7	682.06
1/4	3,874.08	1/4	3,540.10	1/4	3,181.88	1/4	2,823.15	1/4	2,464.19	1/4	2,105.23	1/4	1,748.35	1/4	1,391.28	1/4	1,032.88	1/4	674.73
1/2	3,869.37	1/2	3,532.64	1/2	3,174.42	1/2	2,815.67	1/2	2,456.71	1/2	2,097.75	1/2	1,741.04	1/2	1,383.80	1/2	1,025.43	1/2	667.39
3/4	3,864.66	3/4	3,525.18	3/4	3,166.95	3/4	2,808.19	3/4	2,449.23	3/4	2,090.27	3/4	1,733.73	3/4	1,376.32	3/4	1,017.98	3/4	660.06
8	3,859.94	8	3,517.72	8	3,159.49	8	2,800.71	8	2,441.75	8	2,082.80	8	1,726.42	8	1,368.84	8	1,010.53	8	652.72
1/4	3,854.48	1/4	3,510.25	1/4	3,152.03	1/4	2,793.23	1/4	2,434.28	1/4	2,075.32	1/4	1,719.10	1/4	1,361.36	1/4	1,003.08	1/4	645.54
1/2	3,849.02	1/2	3,502.79	1/2	3,144.57	1/2	2,785.76	1/2	2,426.80	1/2	2,067.84	1/2	1,711.79	1/2	1,353.88	1/2	995.63	1/2	638.36
3/4	3,843.56	3/4	3,495.33	3/4	3,137.10	3/4	2,778.28	3/4	2,419.32	3/4	2,060.36	3/4	1,704.48	3/4	1,346.41	3/4	988.18	3/4	631.19
9	3,838.10	9	3,487.86	9	3,129.64	9	2,770.80	9	2,411.84	9	2,052.88	9	1,697.17	9	1,338.93	9	980.73	9	624.01
1/4	3,831.89	1/4	3,480.40	1/4	3,122.18	1/4	2,763.32	1/4	2,404.36	1/4	2,045.40	1/4	1,689.86	1/4	1,331.45	1/4	973.28	1/4	616.85
1/2	3,825.68	1/2	3,472.94	1/2	3,114.71	1/2	2,755.84	1/2	2,396.88	1/2	2,037.93	1/2	1,682.55	1/2	1,323.97	1/2	965.83	1/2	609.69
3/4	3,819.47	3/4	3,465.47	3/4	3,107.25	3/4	2,748.36	3/4	2,389.41	3/4	2,030.45	3/4	1,675.23	3/4	1,316.49	3/4	958.38	3/4	602.53
10	3,813.26	10	3,458.01	10	3,099.79	10	2,740.89	10	2,381.93	10	2,022.97	10	1,667.92	10	1,309.01	10	950.93	10	595.37
1/4	3,806.30	1/4	3,450.55	1/4	3,092.32	1/4	2,733.41	1/4	2,374.45	1/4	2,015.49	1/4	1,660.46	1/4	1,301.53	1/4	943.48	1/4	588.21
1/2	3,799.34	1/2	3,443.09	1/2	3,084.86	1/2	2,725.93	1/2	2,366.97	1/2	2,008.01	1/2	1,653.00	1/2	1,294.05	1/2	936.03	1/2	581.05
3/4	3,792.38	3/4	3,435.62	3/4	3,077.40	3/4	2,718.45	3/4	2,359.49	3/4	2,000.53	3/4	1,645.55	3/4	1,286.57	3/4	928.58	3/4	573.89
11	3,785.42	11	3,428.16	11	3,069.94	11	2,710.97	11	2,352.01	11	1,993.06	11	1,638.09	11	1,279.09	11	921.13	11	566.73
1/4	3,778.04	1/4	3,420.70	1/4	3,062.46	1/4	2,703.49	1/4	2,344.54	1/4	1,985.58	1/4	1,630.61	1/4	1,271.62	1/4	913.68	1/4	559.58
1/2	3,770.66	1/2	3,413.23	1/2	3,054.98	1/2	2,696.02	1/2	2,337.06	1/2	1,978.10	1/2	1,623.13	1/2	1,264.14	1/2	906.23	1/2	552.42
3/4	3,763.29	3/4	3,405.77	3/4	3,047.50	3/4	2,688.54	3/4	2,329.58	3/4	1,970.62	3/4	1,615.65	3/4	1,256.66	3/4	898.78	3/4	545.26

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.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "HSM 716"

**2 STBD
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	538.10	0	181.34	0		0		0		0		0		0		0		0	
1/4	530.94	1/4	173.87	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	523.78	1/2	166.40	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	516.62	3/4	158.93	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	509.46	1	151.45	1		1		1		1		1		1		1		1	
1/4	502.16	1/4	144.12	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	494.86	1/2	136.78	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	487.56	3/4	129.44	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	480.27	2	122.11	2		2		2		2		2		2		2		2	
1/4	472.81	1/4	114.93	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	465.35	1/2	107.76	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	457.89	3/4	100.58	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	450.43	3	93.40	3		3		3		3		3		3		3		3	
1/4	442.95	1/4	86.13	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	435.47	1/2	78.86	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	428.00	3/4	71.59	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	420.52	4	64.32	4		4		4		4		4		4		4		4	
1/4	413.04	1/4	57.69	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	405.56	1/2	51.05	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	398.08	3/4	44.42	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	390.60	5	37.78	5		5		5		5		5		5		5		5	
1/4	383.12	1/4	32.87	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	375.64	1/2	27.96	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	368.16	3/4	23.06	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	360.69	6	18.15	6		6		6		6		6		6		6		6	
1/4	353.21	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	345.73	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	338.26	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	330.78	7		7		7		7		7		7		7		7		7	
1/4	323.31	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	315.84	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	308.36	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	300.89	8		8		8		8		8		8		8		8		8	
1/4	293.42	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	285.95	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	278.48	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	271.00	9		9		9		9		9		9		9		9		9	
1/4	263.53	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	256.06	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	248.59	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	241.12	10		10		10		10		10		10		10		10		10	
1/4	233.65	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	226.17	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	218.70	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	211.23	11		11		11		11		11		11		11		11		11	
1/4	203.76	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	196.29	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	188.81	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: 04/11/2019 CL
CALCULATED: 04/12/2019 CL
PRINTED: 04/12/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2019

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



BARGE "HSM 716"

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	3,706.23	0	3,350.78	0	2,994.68	0	2,637.91	0	2,281.14	0	1,924.56	0	1,571.79	0	1,216.87	0	878.15
1/4		1/4	3,698.85	1/4	3,343.36	1/4	2,987.25	1/4	2,630.48	1/4	2,273.71	1/4	1,917.14	1/4	1,564.36	1/4	1,209.79	1/4	871.10
1/2		1/2	3,691.47	1/2	3,335.95	1/2	2,979.82	1/2	2,623.05	1/2	2,266.28	1/2	1,909.71	1/2	1,556.93	1/2	1,202.71	1/2	864.05
3/4		3/4	3,684.09	3/4	3,328.53	3/4	2,972.38	3/4	2,615.61	3/4	2,258.84	3/4	1,902.29	3/4	1,549.51	3/4	1,195.63	3/4	856.99
1		1	3,676.71	1	3,321.11	1	2,964.95	1	2,608.18	1	2,251.41	1	1,894.86	1	1,542.08	1	1,188.56	1	849.61
1/4		1/4	3,669.33	1/4	3,313.69	1/4	2,957.52	1/4	2,600.75	1/4	2,243.98	1/4	1,887.44	1/4	1,534.65	1/4	1,181.50	1/4	842.22
1/2		1/2	3,661.95	1/2	3,306.28	1/2	2,950.09	1/2	2,593.32	1/2	2,236.55	1/2	1,880.01	1/2	1,527.23	1/2	1,174.43	1/2	834.83
3/4		3/4	3,654.57	3/4	3,298.86	3/4	2,942.65	3/4	2,585.88	3/4	2,229.11	3/4	1,872.59	3/4	1,519.80	3/4	1,167.37	3/4	827.44
2		2	3,647.19	2	3,291.44	2	2,935.22	2	2,578.45	2	2,221.68	2	1,865.16	2	1,512.37	2	1,160.31	2	820.00
1/4		1/4	3,639.81	1/4	3,284.03	1/4	2,927.79	1/4	2,571.02	1/4	2,214.25	1/4	1,857.74	1/4	1,504.95	1/4	1,153.24	1/4	812.57
1/2		1/2	3,632.43	1/2	3,276.61	1/2	2,920.35	1/2	2,563.59	1/2	2,206.82	1/2	1,850.31	1/2	1,497.52	1/2	1,146.18	1/2	805.13
3/4		3/4	3,625.05	3/4	3,269.19	3/4	2,912.92	3/4	2,556.15	3/4	2,199.38	3/4	1,842.89	3/4	1,490.09	3/4	1,139.12	3/4	797.70
3		3	3,617.67	3	3,261.77	3	2,905.49	3	2,548.72	3	2,191.95	3	1,835.46	3	1,482.67	3	1,132.06	3	790.26
1/4		1/4	3,610.29	1/4	3,254.36	1/4	2,898.06	1/4	2,541.29	1/4	2,184.52	1/4	1,828.04	1/4	1,475.24	1/4	1,125.01	1/4	782.82
1/2		1/2	3,602.91	1/2	3,246.94	1/2	2,890.62	1/2	2,533.85	1/2	2,177.08	1/2	1,820.61	1/2	1,467.82	1/2	1,117.95	1/2	775.39
3/4		3/4	3,595.53	3/4	3,239.52	3/4	2,883.19	3/4	2,526.42	3/4	2,169.65	3/4	1,813.19	3/4	1,460.39	3/4	1,110.89	3/4	767.95
4		4	3,588.12	4	3,232.10	4	2,875.76	4	2,518.99	4	2,162.22	4	1,805.90	4	1,452.96	4	1,103.84	4	760.51
1/4		1/4	3,580.71	1/4	3,224.69	1/4	2,868.33	1/4	2,511.56	1/4	2,154.79	1/4	1,798.60	1/4	1,445.54	1/4	1,096.78	1/4	753.08
1/2		1/2	3,573.30	1/2	3,217.27	1/2	2,860.89	1/2	2,504.12	1/2	2,147.35	1/2	1,791.31	1/2	1,438.11	1/2	1,089.72	1/2	745.64
3/4		3/4	3,565.88	3/4	3,209.85	3/4	2,853.46	3/4	2,496.69	3/4	2,139.92	3/4	1,784.02	3/4	1,430.68	3/4	1,082.67	3/4	738.21
5		5	3,558.47	5	3,202.43	5	2,846.03	5	2,489.26	5	2,132.49	5	1,776.75	5	1,423.26	5	1,075.62	5	730.77
1/4		1/4	3,551.05	1/4	3,195.02	1/4	2,838.60	1/4	2,481.83	1/4	2,125.06	1/4	1,769.47	1/4	1,415.83	1/4	1,068.56	1/4	723.33
1/2		1/2	3,543.63	1/2	3,187.60	1/2	2,831.16	1/2	2,474.39	1/2	2,117.62	1/2	1,762.20	1/2	1,408.40	1/2	1,061.51	1/2	715.90
3/4		3/4	3,536.21	3/4	3,180.18	3/4	2,823.73	3/4	2,466.96	3/4	2,110.19	3/4	1,754.93	3/4	1,400.98	3/4	1,054.46	3/4	708.46
6		6	3,528.80	6	3,172.77	6	2,816.30	6	2,459.53	6	2,102.76	6	1,747.65	6	1,393.55	6	1,047.41	6	701.03
1/4	3,843.63	1/4	3,521.38	1/4	3,165.35	1/4	2,808.86	1/4	2,452.09	1/4	2,095.34	1/4	1,740.38	1/4	1,386.12	1/4	1,040.35	1/4	693.60
1/2	3,839.68	1/2	3,513.96	1/2	3,157.93	1/2	2,801.43	1/2	2,444.66	1/2	2,087.91	1/2	1,733.10	1/2	1,378.70	1/2	1,033.30	1/2	686.17
3/4	3,835.73	3/4	3,506.54	3/4	3,150.51	3/4	2,794.00	3/4	2,437.23	3/4	2,080.49	3/4	1,725.83	3/4	1,371.27	3/4	1,026.25	3/4	678.74
7		7	3,499.13	7	3,143.10	7	2,786.57	7	2,429.80	7	2,073.06	7	1,718.56	7	1,363.84	7	1,019.20	7	671.45
1/4	3,826.35	1/4	3,491.71	1/4	3,135.68	1/4	2,779.13	1/4	2,422.36	1/4	2,065.64	1/4	1,711.28	1/4	1,356.42	1/4	1,012.14	1/4	664.16
1/2	3,821.66	1/2	3,484.29	1/2	3,128.26	1/2	2,771.70	1/2	2,414.93	1/2	2,058.21	1/2	1,704.01	1/2	1,348.99	1/2	1,005.09	1/2	656.87
3/4	3,816.97	3/4	3,476.88	3/4	3,120.84	3/4	2,764.27	3/4	2,407.50	3/4	2,050.79	3/4	1,696.74	3/4	1,341.56	3/4	998.04	3/4	649.58
8		8	3,469.46	8	3,113.43	8	2,756.84	8	2,400.07	8	2,043.36	8	1,689.46	8	1,334.14	8	990.99	8	642.44
1/4	3,806.12	1/4	3,462.04	1/4	3,106.01	1/4	2,749.40	1/4	2,392.63	1/4	2,035.94	1/4	1,682.19	1/4	1,326.71	1/4	983.94	1/4	635.31
1/2	3,800.69	1/2	3,454.62	1/2	3,098.59	1/2	2,741.97	1/2	2,385.20	1/2	2,028.51	1/2	1,674.92	1/2	1,319.29	1/2	976.88	1/2	628.18
3/4	3,795.27	3/4	3,447.21	3/4	3,091.18	3/4	2,734.54	3/4	2,377.77	3/4	2,021.09	3/4	1,667.64	3/4	1,311.86	3/4	969.83	3/4	621.04
9		9	3,439.79	9	3,083.76	9	2,727.10	9	2,370.34	9	2,013.66	9	1,660.37	9	1,304.43	9	962.78	9	613.93
1/4	3,782.93	1/4	3,432.37	1/4	3,076.34	1/4	2,719.67	1/4	2,362.90	1/4	2,006.24	1/4	1,653.10	1/4	1,297.01	1/4	955.73	1/4	606.81
1/2	3,776.76	1/2	3,424.95	1/2	3,068.92	1/2	2,712.24	1/2	2,355.47	1/2	1,998.81	1/2	1,645.82	1/2	1,289.58	1/2	948.67	1/2	599.70
3/4	3,770.59	3/4	3,417.54	3/4	3,061.51	3/4	2,704.81	3/4	2,348.04	3/4	1,991.39	3/4	1,638.55	3/4	1,282.15	3/4	941.62	3/4	592.59
10		10	3,410.12	10	3,054.09	10	2,697.37	10	2,340.60	10	1,983.96	10	1,631.14	10	1,274.73	10	934.57	10	585.47
1/4	3,756.76	1/4	3,402.70	1/4	3,046.67	1/4	2,689.94	1/4	2,333.17	1/4	1,976.54	1/4	1,623.73	1/4	1,267.30	1/4	927.52	1/4	578.36
1/2	3,749.85	1/2	3,395.28	1/2	3,039.25	1/2	2,682.51	1/2	2,325.74	1/2	1,969.11	1/2	1,616.33	1/2	1,259.87	1/2	920.46	1/2	571.24
3/4	3,742.94	3/4	3,387.87	3/4	3,031.84	3/4	2,675.08	3/4	2,318.31	3/4	1,961.69	3/4	1,608.92	3/4	1,252.45	3/4	913.41	3/4	564.13
11		11	3,380.45	11	3,024.41	11	2,667.64	11	2,310.87	11	1,954.26	11	1,601.49	11	1,245.32	11	906.36	11	557.02
1/4	3,728.27	1/4	3,373.03	1/4	3,016.98	1/4	2,660.21	1/4	2,303.44	1/4	1,946.84	1/4	1,594.07	1/4	1,238.20	1/4	899.31	1/4	549.90
1/2	3,720.94	1/2	3,365.62	1/2	3,009.55	1/2	2,652.78	1/2	2,296.01	1/2	1,939.41	1/2	1,586.64	1/2	1,231.07	1/2	892.26	1/2	542.79
3/4	3,713.61	3/4	3,358.20	3/4	3,002.11	3/4	2,645.35	3/4	2,288.58	3/4	1,931.99	3/4	1,579.21	3/4	1,223.95	3/4	885.20	3/4	535.68

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.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "HSM 716"

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	528.56	0	173.15	0		0		0		0		0		0		0		0	
1/4	521.44	1/4	165.71	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	514.33	1/2	158.27	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	507.21	3/4	150.82	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	499.95	1	143.52	1		1		1		1		1		1		1		1	
1/4	492.70	1/4	136.21	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	485.44	1/2	128.91	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	478.18	3/4	121.60	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	470.77	2	114.45	2		2		2		2		2		2		2		2	
1/4	463.35	1/4	107.31	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	455.93	1/2	100.16	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	448.52	3/4	93.02	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	441.08	3	85.78	3		3		3		3		3		3		3		3	
1/4	433.65	1/4	78.54	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	426.21	1/2	71.30	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	418.77	3/4	64.06	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	411.33	4	57.45	4		4		4		4		4		4		4		4	
1/4	403.88	1/4	50.85	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	396.43	1/2	44.24	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	388.99	3/4	37.63	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	381.54	5	32.74	5		5		5		5		5		5		5		5	
1/4	374.09	1/4	27.85	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	366.64	1/2	22.96	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	359.20	3/4	18.08	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	351.75	6	=====	6		6		6		6		6		6		6		6	
1/4	344.30	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	336.86	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	329.41	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	321.97	7		7		7		7		7		7		7		7		7	
1/4	314.53	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	307.09	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	299.65	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	292.21	8		8		8		8		8		8		8		8		8	
1/4	284.77	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	277.33	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	269.88	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	262.44	9		9		9		9		9		9		9		9		9	
1/4	255.00	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	247.56	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	240.12	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	232.68	10		10		10		10		10		10		10		10		10	
1/4	225.24	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	217.80	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	210.35	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	202.91	11		11		11		11		11		11		11		11		11	
1/4	195.47	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	188.03	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	180.59	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: 04/11/2019 CL
CALCULATED: 04/12/2019 CL
PRINTED: 04/12/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2019

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



BARGE "HSM 716"

3 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	3,726.04	0	3,370.52	0	3,014.36	0	2,657.52	0	2,300.69	0	1,944.46	0	1,591.56	0	1,234.60	0	878.82
1/4		1/4	3,718.66	1/4	3,363.10	1/4	3,006.93	1/4	2,650.09	1/4	2,293.25	1/4	1,937.02	1/4	1,584.12	1/4	1,227.16	1/4	871.41
1/2		1/2	3,711.27	1/2	3,355.68	1/2	2,999.49	1/2	2,642.66	1/2	2,285.82	1/2	1,929.59	1/2	1,576.68	1/2	1,219.73	1/2	864.00
3/4		3/4	3,703.89	3/4	3,348.27	3/4	2,992.06	3/4	2,635.22	3/4	2,278.38	3/4	1,922.15	3/4	1,569.25	3/4	1,212.29	3/4	856.59
1		1	3,696.51	1	3,340.85	1	2,984.62	1	2,627.79	1	2,270.95	1	1,914.72	1	1,561.81	1	1,204.87	1	849.16
1/4		1/4	3,689.13	1/4	3,333.43	1/4	2,977.19	1/4	2,620.35	1/4	2,263.52	1/4	1,907.28	1/4	1,554.37	1/4	1,197.45	1/4	841.73
1/2		1/2	3,681.75	1/2	3,326.01	1/2	2,969.76	1/2	2,612.92	1/2	2,256.08	1/2	1,899.85	1/2	1,546.94	1/2	1,190.03	1/2	834.30
3/4		3/4	3,674.37	3/4	3,318.59	3/4	2,962.32	3/4	2,605.49	3/4	2,248.65	3/4	1,892.41	3/4	1,539.50	3/4	1,182.61	3/4	826.86
2		2	3,666.99	2	3,311.17	2	2,954.89	2	2,598.05	2	2,241.21	2	1,884.98	2	1,532.07	2	1,175.19	2	819.43
1/4		1/4	3,659.61	1/4	3,303.75	1/4	2,947.45	1/4	2,590.62	1/4	2,233.78	1/4	1,877.54	1/4	1,524.63	1/4	1,167.78	1/4	811.99
1/2		1/2	3,652.23	1/2	3,296.34	1/2	2,940.02	1/2	2,583.18	1/2	2,226.35	1/2	1,870.11	1/2	1,517.19	1/2	1,160.36	1/2	804.55
3/4		3/4	3,644.84	3/4	3,288.92	3/4	2,932.59	3/4	2,575.75	3/4	2,218.91	3/4	1,862.67	3/4	1,509.76	3/4	1,152.94	3/4	797.12
3		3	3,637.46	3	3,281.50	3	2,925.15	3	2,568.31	3	2,211.48	3	1,855.24	3	1,502.32	3	1,145.53	3	789.68
1/4		1/4	3,630.08	1/4	3,274.08	1/4	2,917.72	1/4	2,560.88	1/4	2,204.04	1/4	1,847.80	1/4	1,494.88	1/4	1,138.12	1/4	782.25
1/2		1/2	3,622.70	1/2	3,266.66	1/2	2,910.28	1/2	2,553.45	1/2	2,196.61	1/2	1,840.37	1/2	1,487.45	1/2	1,130.70	1/2	774.81
3/4		3/4	3,615.32	3/4	3,259.24	3/4	2,902.85	3/4	2,546.01	3/4	2,189.18	3/4	1,832.93	3/4	1,480.01	3/4	1,123.29	3/4	767.37
4		4	3,607.91	4	3,251.82	4	2,895.42	4	2,538.58	4	2,181.76	4	1,825.64	4	1,472.57	4	1,115.88	4	759.94
1/4		1/4	3,600.49	1/4	3,244.40	1/4	2,887.98	1/4	2,531.14	1/4	2,174.35	1/4	1,818.35	1/4	1,465.14	1/4	1,108.47	1/4	752.50
1/2		1/2	3,593.08	1/2	3,236.99	1/2	2,880.55	1/2	2,523.71	1/2	2,166.94	1/2	1,811.06	1/2	1,457.70	1/2	1,101.06	1/2	745.07
3/4		3/4	3,585.66	3/4	3,229.57	3/4	2,873.11	3/4	2,516.28	3/4	2,159.53	3/4	1,803.77	3/4	1,450.26	3/4	1,093.65	3/4	737.63
5		5	3,578.25	5	3,222.15	5	2,865.68	5	2,508.84	5	2,152.12	5	1,796.50	5	1,442.83	5	1,086.24	5	730.19
1/4		1/4	3,570.83	1/4	3,214.73	1/4	2,858.24	1/4	2,501.41	1/4	2,144.71	1/4	1,789.24	1/4	1,435.39	1/4	1,078.83	1/4	722.76
1/2		1/2	3,563.41	1/2	3,207.31	1/2	2,850.81	1/2	2,493.97	1/2	2,137.30	1/2	1,781.97	1/2	1,427.95	1/2	1,071.42	1/2	715.32
3/4		3/4	3,555.99	3/4	3,199.89	3/4	2,843.38	3/4	2,486.54	3/4	2,129.89	3/4	1,774.70	3/4	1,420.52	3/4	1,064.01	3/4	707.88
6		6	3,548.57	6	3,192.47	6	2,835.94	6	2,479.11	6	2,122.49	6	1,767.43	6	1,413.08	6	1,056.61	6	700.45
1/4	3,863.45	1/4	3,541.15	1/4	3,185.05	1/4	2,828.51	1/4	2,471.67	1/4	2,115.08	1/4	1,760.16	1/4	1,405.64	1/4	1,049.20	1/4	693.02
1/2	3,859.51	1/2	3,533.73	1/2	3,177.64	1/2	2,821.07	1/2	2,464.24	1/2	2,107.67	1/2	1,752.89	1/2	1,398.21	1/2	1,041.79	1/2	685.58
3/4	3,855.57	3/4	3,526.31	3/4	3,170.22	3/4	2,813.64	3/4	2,456.80	3/4	2,100.26	3/4	1,745.62	3/4	1,390.77	3/4	1,034.38	3/4	678.15
7	3,850.88	7	3,518.90	7	3,162.80	7	2,806.21	7	2,449.37	7	2,092.85	7	1,738.35	7	1,383.33	7	1,026.97	7	670.86
1/4	3,846.20	1/4	3,511.48	1/4	3,155.38	1/4	2,798.77	1/4	2,441.94	1/4	2,085.44	1/4	1,731.09	1/4	1,375.90	1/4	1,019.57	1/4	663.56
1/2	3,841.51	1/2	3,504.06	1/2	3,147.96	1/2	2,791.34	1/2	2,434.50	1/2	2,078.03	1/2	1,723.82	1/2	1,368.46	1/2	1,012.16	1/2	656.27
3/4	3,836.83	3/4	3,496.64	3/4	3,140.54	3/4	2,783.90	3/4	2,427.07	3/4	2,070.62	3/4	1,716.55	3/4	1,361.02	3/4	1,004.75	3/4	648.98
8	3,831.40	8	3,489.22	8	3,133.12	8	2,776.47	8	2,419.63	8	2,063.22	8	1,709.28	8	1,353.59	8	997.34	8	641.84
1/4	3,825.97	1/4	3,481.80	1/4	3,125.71	1/4	2,769.04	1/4	2,412.20	1/4	2,055.81	1/4	1,702.01	1/4	1,346.15	1/4	989.93	1/4	634.70
1/2	3,820.54	1/2	3,474.38	1/2	3,118.29	1/2	2,761.60	1/2	2,404.76	1/2	2,048.40	1/2	1,694.74	1/2	1,338.71	1/2	982.53	1/2	627.57
3/4	3,815.11	3/4	3,466.97	3/4	3,110.87	3/4	2,754.17	3/4	2,397.33	3/4	2,040.99	3/4	1,687.47	3/4	1,331.28	3/4	975.12	3/4	620.43
9	3,808.93	9	3,459.55	9	3,103.45	9	2,746.73	9	2,389.90	9	2,033.58	9	1,680.20	9	1,323.84	9	967.71	9	613.31
1/4	3,802.76	1/4	3,452.13	1/4	3,096.03	1/4	2,739.30	1/4	2,382.46	1/4	2,026.17	1/4	1,672.94	1/4	1,316.40	1/4	960.30	1/4	606.20
1/2	3,796.59	1/2	3,444.71	1/2	3,088.61	1/2	2,731.86	1/2	2,375.03	1/2	2,018.76	1/2	1,665.67	1/2	1,308.97	1/2	952.90	1/2	599.08
3/4	3,790.41	3/4	3,437.29	3/4	3,081.19	3/4	2,724.43	3/4	2,367.59	3/4	2,011.36	3/4	1,658.40	3/4	1,301.53	3/4	945.49	3/4	591.96
10	3,783.50	10	3,429.87	10	3,073.77	10	2,717.00	10	2,360.16	10	2,003.92	10	1,650.98	10	1,294.09	10	938.08	10	584.84
1/4	3,776.58	1/4	3,422.45	1/4	3,066.36	1/4	2,709.56	1/4	2,352.73	1/4	1,996.49	1/4	1,643.57	1/4	1,286.66	1/4	930.67	1/4	577.73
1/2	3,769.67	1/2	3,415.03	1/2	3,058.94	1/2	2,702.13	1/2	2,345.29	1/2	1,989.06	1/2	1,636.16	1/2	1,279.22	1/2	923.26	1/2	570.61
3/4	3,762.75	3/4	3,407.62	3/4	3,051.52	3/4	2,694.69	3/4	2,337.86	3/4	1,981.63	3/4	1,628.74	3/4	1,271.78	3/4	915.86	3/4	563.49
11	3,755.42	11	3,400.20	11	3,044.09	11	2,687.26	11	2,330.42	11	1,974.20	11	1,621.30	11	1,264.35	11	908.45	11	556.38
1/4	3,748.09	1/4	3,392.78	1/4	3,036.66	1/4	2,679.83	1/4	2,322.99	1/4	1,966.76	1/4	1,613.87	1/4	1,256.91	1/4	901.04	1/4	549.26
1/2	3,740.75	1/2	3,385.36	1/2	3,029.23	1/2	2,672.39	1/2	2,315.56	1/2	1,959.33	1/2	1,606.43	1/2	1,249.47	1/2	893.63	1/2	542.14
3/4	3,733.42	3/4	3,377.94	3/4	3,021.79	3/4	2,664.96	3/4	2,308.12	3/4	1,951.89	3/4	1,598.99	3/4	1,242.04	3/4	886.23	3/4	535.02

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.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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





BARGE "HSM 716"

3 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	527.91	0	172.87	0		0		0		0		0		0		0		0	
1/4	520.79	1/4	165.45	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	513.67	1/2	158.02	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	506.56	3/4	150.59	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	499.30	1	143.29	1		1		1		1		1		1		1		1	
1/4	492.04	1/4	136.00	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	484.79	1/2	128.70	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	477.53	3/4	121.41	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	470.11	2	114.27	2		2		2		2		2		2		2		2	
1/4	462.70	1/4	107.14	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	455.28	1/2	100.01	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	447.86	3/4	92.87	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	440.43	3	85.65	3		3		3		3		3		3		3		3	
1/4	432.99	1/4	78.42	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	425.55	1/2	71.19	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	418.12	3/4	63.96	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	410.68	4	57.36	4		4		4		4		4		4		4		4	
1/4	403.25	1/4	50.77	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	395.81	1/2	44.17	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	388.37	3/4	37.57	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	380.94	5	32.69	5		5		5		5		5		5		5		5	
1/4	373.50	1/4	27.81	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	366.06	1/2	22.93	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	358.63	3/4	18.05	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	351.19	6	=====	6		6		6		6		6		6		6		6	
1/4	343.76	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	336.33	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	328.89	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	321.47	7		7		7		7		7		7		7		7		7	
1/4	314.04	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	306.61	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	299.18	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	291.75	8		8		8		8		8		8		8		8		8	
1/4	284.32	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	276.89	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	269.46	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	262.03	9		9		9		9		9		9		9		9		9	
1/4	254.60	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	247.17	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	239.74	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	232.31	10		10		10		10		10		10		10		10		10	
1/4	224.88	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	217.45	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	210.02	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	202.59	11		11		11		11		11		11		11		11		11	
1/4	195.16	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	187.73	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	180.30	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: 04/11/2019 CL
CALCULATED: 04/12/2019 CL
PRINTED: 04/12/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2019

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