



BARGE "HTCO 3098"

ULLAGE TRIM TABLE (HERMETIC)

	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	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-1/2	00-1/2
1 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-1/2	00-1/2
2 PORT	- 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	- 00-5/8	00-5/8
2 STBD	- 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	- 00-5/8	00-5/8
3 PORT	- 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	- 00-5/8	00-5/8
3 STBD	- 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	- 00-5/8	00-5/8

(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 1 PORT IS 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 237'-09"

October 25, 2023

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

<http://www.pmacorp.net>





BARGE "HTCO 3098"

1 PORT ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 17'-03 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,697.31	0	4,340.36	0	3,982.15	0	3,623.86	0	3,265.58	0	2,907.29
1/4		1/4		1/4		1/4		1/4	4,689.91	1/4	4,332.91	1/4	3,974.68	1/4	3,616.40	1/4	3,258.12	1/4	2,899.83
1/2		1/2		1/2		1/2		1/2	4,682.51	1/2	4,325.46	1/2	3,967.22	1/2	3,608.94	1/2	3,250.65	1/2	2,892.36
3/4		3/4		3/4		3/4		3/4	4,675.11	3/4	4,318.01	3/4	3,959.75	3/4	3,601.47	3/4	3,243.19	3/4	2,884.89
1		1		1		1	5,011.41	1	4,667.70	1	4,310.56	1	3,952.29	1	3,594.01	1	3,235.73	1	2,877.42
1/4		1/4		1/4		1/4	5,006.67	1/4	4,660.30	1/4	4,303.11	1/4	3,944.82	1/4	3,586.54	1/4	3,228.26	1/4	2,869.96
1/2		1/2		1/2		1/2	5,000.86	1/2	4,652.88	1/2	4,295.64	1/2	3,937.36	1/2	3,579.08	1/2	3,220.80	1/2	2,862.49
3/4		3/4		3/4		3/4	4,995.06	3/4	4,645.45	3/4	4,288.18	3/4	3,929.90	3/4	3,571.61	3/4	3,213.33	3/4	2,855.02
2		2		2		2	4,989.25	2	4,638.03	2	4,280.71	2	3,922.43	2	3,564.15	2	3,205.87	2	2,847.55
1/4		1/4		1/4		1/4	4,983.44	1/4	4,630.61	1/4	4,273.25	1/4	3,914.97	1/4	3,556.69	1/4	3,198.40	1/4	2,840.08
1/2		1/2		1/2		1/2	4,976.64	1/2	4,623.17	1/2	4,265.78	1/2	3,907.50	1/2	3,549.22	1/2	3,190.94	1/2	2,832.61
3/4		3/4		3/4		3/4	4,969.83	3/4	4,615.72	3/4	4,258.32	3/4	3,900.04	3/4	3,541.76	3/4	3,183.48	3/4	2,825.15
3		3		3		3	4,963.02	3	4,608.28	3	4,250.86	3	3,892.57	3	3,534.29	3	3,176.01	3	2,817.68
1/4		1/4		1/4		1/4	4,956.21	1/4	4,600.84	1/4	4,243.39	1/4	3,885.11	1/4	3,526.83	1/4	3,168.55	1/4	2,810.21
1/2		1/2		1/2		1/2	4,948.87	1/2	4,593.40	1/2	4,235.93	1/2	3,877.65	1/2	3,519.36	1/2	3,161.08	1/2	2,802.74
3/4		3/4		3/4		3/4	4,941.53	3/4	4,585.96	3/4	4,228.46	3/4	3,870.18	3/4	3,511.90	3/4	3,153.62	3/4	2,795.27
4		4		4		4	4,934.19	4	4,578.51	4	4,221.00	4	3,862.72	4	3,504.44	4	3,146.15	4	2,787.81
1/4		1/4		1/4		1/4	4,926.85	1/4	4,571.07	1/4	4,213.54	1/4	3,855.25	1/4	3,496.97	1/4	3,138.69	1/4	2,780.34
1/2		1/2		1/2		1/2	4,919.44	1/2	4,563.63	1/2	4,206.07	1/2	3,847.79	1/2	3,489.51	1/2	3,131.23	1/2	2,772.87
3/4		3/4		3/4		3/4	4,912.04	3/4	4,556.19	3/4	4,198.61	3/4	3,840.33	3/4	3,482.04	3/4	3,123.76	3/4	2,765.40
5		5		5		5	4,904.63	5	4,548.74	5	4,191.14	5	3,832.86	5	3,474.58	5	3,116.30	5	2,757.93
1/4		1/4		1/4		1/4	4,897.22	1/4	4,541.30	1/4	4,183.68	1/4	3,825.40	1/4	3,467.12	1/4	3,108.83	1/4	2,750.46
1/2		1/2		1/2		1/2	4,889.82	1/2	4,533.86	1/2	4,176.21	1/2	3,817.93	1/2	3,459.65	1/2	3,101.37	1/2	2,743.00
3/4		3/4		3/4		3/4	4,882.41	3/4	4,526.42	3/4	4,168.75	3/4	3,810.47	3/4	3,452.19	3/4	3,093.91	3/4	2,735.53
6		6		6		6	4,875.00	6	4,518.97	6	4,161.29	6	3,803.00	6	3,444.72	6	3,086.44	6	2,728.06
1/4		1/4		1/4		1/4	4,867.60	1/4	4,511.53	1/4	4,153.82	1/4	3,795.54	1/4	3,437.26	1/4	3,078.98	1/4	2,720.59
1/2		1/2		1/2		1/2	4,860.19	1/2	4,504.09	1/2	4,146.36	1/2	3,788.08	1/2	3,429.79	1/2	3,071.51	1/2	2,713.12
3/4		3/4		3/4		3/4	4,852.78	3/4	4,496.65	3/4	4,138.89	3/4	3,780.61	3/4	3,422.33	3/4	3,064.05	3/4	2,705.66
7		7		7		7	4,845.38	7	4,489.20	7	4,131.43	7	3,773.15	7	3,414.87	7	3,056.58	7	2,698.19
1/4		1/4		1/4		1/4	4,837.97	1/4	4,481.76	1/4	4,123.97	1/4	3,765.68	1/4	3,407.40	1/4	3,049.12	1/4	2,690.72
1/2		1/2		1/2		1/2	4,830.57	1/2	4,474.32	1/2	4,116.50	1/2	3,758.22	1/2	3,399.94	1/2	3,041.66	1/2	2,683.25
3/4		3/4		3/4		3/4	4,823.16	3/4	4,466.88	3/4	4,109.04	3/4	3,750.76	3/4	3,392.47	3/4	3,034.19	3/4	2,675.78
8		8		8		8	4,815.76	8	4,459.43	8	4,101.57	8	3,743.29	8	3,385.01	8	3,026.73	8	2,668.31
1/4		1/4		1/4		1/4	4,808.35	1/4	4,451.99	1/4	4,094.11	1/4	3,735.83	1/4	3,377.55	1/4	3,019.26	1/4	2,660.85
1/2		1/2		1/2		1/2	4,800.95	1/2	4,444.55	1/2	4,086.64	1/2	3,728.36	1/2	3,370.08	1/2	3,011.80	1/2	2,653.38
3/4		3/4		3/4		3/4	4,793.55	3/4	4,437.11	3/4	4,079.18	3/4	3,720.90	3/4	3,362.62	3/4	3,004.34	3/4	2,645.91
9		9		9		9	4,786.14	9	4,429.66	9	4,071.72	9	3,713.43	9	3,355.15	9	2,996.87	9	2,638.44
1/4		1/4		1/4		1/4	4,778.74	1/4	4,422.22	1/4	4,064.25	1/4	3,705.97	1/4	3,347.69	1/4	2,989.41	1/4	2,630.97
1/2		1/2		1/2		1/2	4,771.34	1/2	4,414.78	1/2	4,056.79	1/2	3,698.51	1/2	3,340.22	1/2	2,981.94	1/2	2,623.51
3/4		3/4		3/4		3/4	4,763.94	3/4	4,407.34	3/4	4,049.32	3/4	3,691.04	3/4	3,332.76	3/4	2,974.48	3/4	2,616.04
10		10		10		10	4,756.53	10	4,399.90	10	4,041.86	10	3,683.58	10	3,325.30	10	2,967.01	10	2,608.57
1/4		1/4		1/4		1/4	4,749.13	1/4	4,392.45	1/4	4,034.39	1/4	3,676.11	1/4	3,317.83	1/4	2,959.55	1/4	2,601.10
1/2		1/2		1/2		1/2	4,741.73	1/2	4,385.01	1/2	4,026.93	1/2	3,668.65	1/2	3,310.37	1/2	2,952.09	1/2	2,593.63
3/4		3/4		3/4		3/4	4,734.33	3/4	4,377.57	3/4	4,019.47	3/4	3,661.18	3/4	3,302.90	3/4	2,944.62	3/4	2,586.16
11		11		11		11	4,726.92	11	4,370.13	11	4,012.00	11	3,653.72	11	3,295.44	11	2,937.16	11	2,578.70
1/4		1/4		1/4		1/4	4,719.52	1/4	4,362.68	1/4	4,004.54	1/4	3,646.26	1/4	3,287.97	1/4	2,929.69	1/4	2,571.23
1/2		1/2		1/2		1/2	4,712.12	1/2	4,355.24	1/2	3,997.07	1/2	3,638.79	1/2	3,280.51	1/2	2,922.23	1/2	2,563.76
3/4		3/4		3/4		3/4	4,704.72	3/4	4,347.80	3/4	3,989.61	3/4	3,631.33	3/4	3,273.05	3/4	2,914.76	3/4	2,556.29

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-07" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588
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BARGE "HTCO 3098"

1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	2,548.82	0	2,190.35	0	1,831.88	0	1,473.40	0	1,114.97	0	758.65	0	404.81	0	89.55	0		0	
1/4	2,541.36	1/4	2,182.88	1/4	1,824.41	1/4	1,465.93	1/4	1,107.52	1/4	751.21	1/4	397.75	1/4	83.44	1/4		1/4	
1/2	2,533.89	1/2	2,175.41	1/2	1,816.94	1/2	1,458.47	1/2	1,100.08	1/2	743.74	1/2	390.78	1/2	77.41	1/2		1/2	
3/4	2,526.42	3/4	2,167.95	3/4	1,809.47	3/4	1,451.00	3/4	1,092.64	3/4	736.27	3/4	383.80	3/4	71.37	3/4		3/4	
1	2,518.95	1	2,160.48	1	1,802.00	1	1,443.53	1	1,085.20	1	728.80	1	376.82	1	65.34	1		1	
1/4	2,511.48	1/4	2,153.01	1/4	1,794.54	1/4	1,436.06	1/4	1,077.77	1/4	721.34	1/4	369.84	1/4	59.31	1/4		1/4	
1/2	2,504.01	1/2	2,145.54	1/2	1,787.07	1/2	1,428.59	1/2	1,070.33	1/2	713.87	1/2	362.94	1/2	53.82	1/2		1/2	
3/4	2,496.55	3/4	2,138.07	3/4	1,779.60	3/4	1,421.13	3/4	1,062.90	3/4	706.40	3/4	356.04	3/4	48.34	3/4		3/4	
2	2,489.08	2	2,130.60	2	1,772.13	2	1,413.66	2	1,055.47	2	698.93	2	349.13	2	42.85	2		2	
1/4	2,481.61	1/4	2,123.14	1/4	1,764.66	1/4	1,406.19	1/4	1,048.04	1/4	691.46	1/4	342.23	1/4	37.37	1/4		1/4	
1/2	2,474.14	1/2	2,115.67	1/2	1,757.19	1/2	1,398.72	1/2	1,040.62	1/2	684.00	1/2	335.40	1/2	33.37	1/2		1/2	
3/4	2,466.67	3/4	2,108.20	3/4	1,749.73	3/4	1,391.25	3/4	1,033.19	3/4	676.53	3/4	328.57	3/4	29.36	3/4		3/4	
3	2,459.20	3	2,100.73	3	1,742.26	3	1,383.78	3	1,025.77	3	669.06	3	321.74	3	25.36	3		3	
1/4	2,451.74	1/4	2,093.26	1/4	1,734.79	1/4	1,376.32	1/4	1,018.34	1/4	661.59	1/4	314.91	1/4	21.36	1/4		1/4	
1/2	2,444.27	1/2	2,085.79	1/2	1,727.32	1/2	1,368.85	1/2	1,010.92	1/2	654.12	1/2	308.16	1/2	18.44	1/2		1/2	
3/4	2,436.80	3/4	2,078.33	3/4	1,719.85	3/4	1,361.38	3/4	1,003.50	3/4	646.66	3/4	301.41	3/4		3/4		3/4	
4	2,429.33	4	2,070.86	4	1,712.38	4	1,353.91	4	996.08	4	639.19	4	294.66	4		4		4	
1/4	2,421.86	1/4	2,063.39	1/4	1,704.92	1/4	1,346.44	1/4	988.66	1/4	631.72	1/4	287.92	1/4		1/4		1/4	
1/2	2,414.40	1/2	2,055.92	1/2	1,697.45	1/2	1,338.97	1/2	981.24	1/2	624.25	1/2	281.25	1/2		1/2		1/2	
3/4	2,406.93	3/4	2,048.45	3/4	1,689.98	3/4	1,331.51	3/4	973.82	3/4	616.78	3/4	274.58	3/4		3/4		3/4	
5	2,399.46	5	2,040.99	5	1,682.51	5	1,324.04	5	966.41	5	609.32	5	267.91	5		5		5	
1/4	2,391.99	1/4	2,033.52	1/4	1,675.04	1/4	1,316.57	1/4	958.99	1/4	601.85	1/4	261.24	1/4		1/4		1/4	
1/2	2,384.52	1/2	2,026.05	1/2	1,667.58	1/2	1,309.10	1/2	951.57	1/2	594.38	1/2	254.65	1/2		1/2		1/2	
3/4	2,377.05	3/4	2,018.58	3/4	1,660.11	3/4	1,301.63	3/4	944.16	3/4	586.91	3/4	248.07	3/4		3/4		3/4	
6	2,369.59	6	2,011.11	6	1,652.64	6	1,294.17	6	936.74	6	579.44	6	241.48	6		6		6	
1/4	2,362.12	1/4	2,003.64	1/4	1,645.17	1/4	1,286.70	1/4	929.32	1/4	571.98	1/4	234.89	1/4		1/4		1/4	
1/2	2,354.65	1/2	1,996.18	1/2	1,637.70	1/2	1,279.23	1/2	921.90	1/2	564.53	1/2	228.39	1/2		1/2		1/2	
3/4	2,347.18	3/4	1,988.71	3/4	1,630.23	3/4	1,271.76	3/4	914.49	3/4	557.08	3/4	221.88	3/4		3/4		3/4	
7	2,339.71	7	1,981.24	7	1,622.77	7	1,264.29	7	907.07	7	549.64	7	215.38	7		7		7	
1/4	2,332.25	1/4	1,973.77	1/4	1,615.30	1/4	1,256.82	1/4	899.65	1/4	542.19	1/4	208.87	1/4		1/4		1/4	
1/2	2,324.78	1/2	1,966.30	1/2	1,607.83	1/2	1,249.36	1/2	892.24	1/2	534.81	1/2	202.45	1/2		1/2		1/2	
3/4	2,317.31	3/4	1,958.84	3/4	1,600.36	3/4	1,241.89	3/4	884.82	3/4	527.43	3/4	196.02	3/4		3/4		3/4	
8	2,309.84	8	1,951.37	8	1,592.89	8	1,234.42	8	877.40	8	520.04	8	189.60	8		8		8	
1/4	2,302.37	1/4	1,943.90	1/4	1,585.43	1/4	1,226.95	1/4	869.98	1/4	512.66	1/4	183.18	1/4		1/4		1/4	
1/2	2,294.90	1/2	1,936.43	1/2	1,577.96	1/2	1,219.48	1/2	862.57	1/2	505.36	1/2	176.83	1/2		1/2		1/2	
3/4	2,287.44	3/4	1,928.96	3/4	1,570.49	3/4	1,212.02	3/4	855.15	3/4	498.05	3/4	170.48	3/4		3/4		3/4	
9	2,279.97	9	1,921.49	9	1,563.02	9	1,204.55	9	847.73	9	490.75	9	164.13	9		9		9	
1/4	2,272.50	1/4	1,914.03	1/4	1,555.55	1/4	1,197.08	1/4	840.31	1/4	483.45	1/4	157.78	1/4		1/4		1/4	
1/2	2,265.03	1/2	1,906.56	1/2	1,548.08	1/2	1,189.61	1/2	832.90	1/2	476.22	1/2	151.50	1/2		1/2		1/2	
3/4	2,257.56	3/4	1,899.09	3/4	1,540.62	3/4	1,182.14	3/4	825.48	3/4	469.00	3/4	145.23	3/4		3/4		3/4	
10	2,250.10	10	1,891.62	10	1,533.15	10	1,174.67	10	818.06	10	461.78	10	138.95	10		10		10	
1/4	2,242.63	1/4	1,884.15	1/4	1,525.68	1/4	1,167.21	1/4	810.65	1/4	454.56	1/4	132.68	1/4		1/4		1/4	
1/2	2,235.16	1/2	1,876.69	1/2	1,518.21	1/2	1,159.74	1/2	803.23	1/2	447.41	1/2	126.48	1/2		1/2		1/2	
3/4	2,227.69	3/4	1,869.22	3/4	1,510.74	3/4	1,152.27	3/4	795.81	3/4	440.27	3/4	120.29	3/4		3/4		3/4	
11	2,220.22	11	1,861.75	11	1,503.28	11	1,144.80	11	788.39	11	433.13	11	114.09	11		11		11	
1/4	2,212.75	1/4	1,854.28	1/4	1,495.81	1/4	1,137.33	1/4	780.98	1/4	425.99	1/4	107.90	1/4		1/4		1/4	
1/2	2,205.29	1/2	1,846.81	1/2	1,488.34	1/2	1,129.88	1/2	773.53	1/2	418.93	1/2	101.78	1/2		1/2		1/2	
3/4	2,197.82	3/4	1,839.34	3/4	1,480.87	3/4	1,122.43	3/4	766.09	3/4	411.87	3/4	95.67	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/15/2013 CL
RECALCULATED: 08/14/2018 CL
VERIFIED: 10/25/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

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



BARGE "HTCO 3098"

1 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,698.99	0	4,342.03	0	3,983.82	0	3,625.54	0	3,267.27	0	2,909.00
1/4		1/4		1/4		1/4		1/4	4,691.58	1/4	4,334.59	1/4	3,976.35	1/4	3,618.08	1/4	3,259.81	1/4	2,901.53
1/2		1/2		1/2		1/2		1/2	4,684.18	1/2	4,327.13	1/2	3,968.89	1/2	3,610.62	1/2	3,252.34	1/2	2,894.07
3/4		3/4		3/4		3/4		3/4	4,676.78	3/4	4,319.68	3/4	3,961.42	3/4	3,603.15	3/4	3,244.88	3/4	2,886.60
1		1		1		1	5,013.06	1	4,669.37	1	4,312.22	1	3,953.96	1	3,595.69	1	3,237.42	1	2,879.13
1/4		1/4		1/4		1/4	5,008.32	1/4	4,661.97	1/4	4,304.77	1/4	3,946.50	1/4	3,588.22	1/4	3,229.95	1/4	2,871.66
1/2		1/2		1/2		1/2	5,002.52	1/2	4,654.55	1/2	4,297.30	1/2	3,939.03	1/2	3,580.76	1/2	3,222.49	1/2	2,864.19
3/4		3/4		3/4		3/4	4,996.71	3/4	4,647.13	3/4	4,289.84	3/4	3,931.57	3/4	3,573.30	3/4	3,215.02	3/4	2,856.73
2		2		2		2	4,990.90	2	4,639.70	2	4,282.38	2	3,924.10	2	3,565.83	2	3,207.56	2	2,849.26
1/4		1/4		1/4		1/4	4,985.10	1/4	4,632.28	1/4	4,274.91	1/4	3,916.64	1/4	3,558.37	1/4	3,200.10	1/4	2,841.79
1/2		1/2		1/2		1/2	4,978.29	1/2	4,624.84	1/2	4,267.45	1/2	3,909.18	1/2	3,550.90	1/2	3,192.63	1/2	2,834.32
3/4		3/4		3/4		3/4	4,971.49	3/4	4,617.40	3/4	4,259.98	3/4	3,901.71	3/4	3,543.44	3/4	3,185.17	3/4	2,826.85
3		3		3		3	4,964.68	3	4,609.95	3	4,252.52	3	3,894.25	3	3,535.98	3	3,177.70	3	2,819.39
1/4		1/4		1/4		1/4	4,957.88	1/4	4,602.51	1/4	4,245.06	1/4	3,886.78	1/4	3,528.51	1/4	3,170.24	1/4	2,811.92
1/2		1/2		1/2		1/2	4,950.54	1/2	4,595.07	1/2	4,237.59	1/2	3,879.32	1/2	3,521.05	1/2	3,162.78	1/2	2,804.45
3/4		3/4		3/4		3/4	4,943.20	3/4	4,587.63	3/4	4,230.13	3/4	3,871.86	3/4	3,513.58	3/4	3,155.31	3/4	2,796.98
4		4		4		4	4,935.86	4	4,580.19	4	4,222.66	4	3,864.39	4	3,506.12	4	3,147.85	4	2,789.51
1/4		1/4		1/4		1/4	4,928.52	1/4	4,572.74	1/4	4,215.20	1/4	3,856.93	1/4	3,498.66	1/4	3,140.38	1/4	2,782.04
1/2		1/2		1/2		1/2	4,921.11	1/2	4,565.30	1/2	4,207.74	1/2	3,849.46	1/2	3,491.19	1/2	3,132.92	1/2	2,774.58
3/4		3/4		3/4		3/4	4,913.71	3/4	4,557.86	3/4	4,200.27	3/4	3,842.00	3/4	3,483.73	3/4	3,125.46	3/4	2,767.11
5		5		5		5	4,906.30	5	4,550.42	5	4,192.81	5	3,834.54	5	3,476.26	5	3,117.99	5	2,759.64
1/4		1/4		1/4		1/4	4,898.89	1/4	4,542.97	1/4	4,185.34	1/4	3,827.07	1/4	3,468.80	1/4	3,110.53	1/4	2,752.17
1/2		1/2		1/2		1/2	4,891.49	1/2	4,535.53	1/2	4,177.88	1/2	3,819.61	1/2	3,461.34	1/2	3,103.06	1/2	2,744.70
3/4		3/4		3/4		3/4	4,884.08	3/4	4,528.09	3/4	4,170.42	3/4	3,812.14	3/4	3,453.87	3/4	3,095.60	3/4	2,737.24
6		6		6		6	4,876.67	6	4,520.65	6	4,162.95	6	3,804.68	6	3,446.41	6	3,088.14	6	2,729.77
1/4		1/4		1/4		1/4	4,869.27	1/4	4,513.20	1/4	4,155.49	1/4	3,797.22	1/4	3,438.94	1/4	3,080.67	1/4	2,722.30
1/2		1/2		1/2		1/2	4,861.86	1/2	4,505.76	1/2	4,148.02	1/2	3,789.75	1/2	3,431.48	1/2	3,073.21	1/2	2,714.83
3/4		3/4		3/4		3/4	4,854.45	3/4	4,498.32	3/4	4,140.56	3/4	3,782.29	3/4	3,424.02	3/4	3,065.74	3/4	2,707.36
7		7		7		7	4,847.05	7	4,490.88	7	4,133.10	7	3,774.82	7	3,416.55	7	3,058.28	7	2,699.90
1/4		1/4		1/4		1/4	4,839.64	1/4	4,483.44	1/4	4,125.63	1/4	3,767.36	1/4	3,409.09	1/4	3,050.82	1/4	2,692.43
1/2		1/2		1/2		1/2	4,832.24	1/2	4,475.99	1/2	4,118.17	1/2	3,759.90	1/2	3,401.62	1/2	3,043.35	1/2	2,684.96
3/4		3/4		3/4		3/4	4,824.83	3/4	4,468.55	3/4	4,110.70	3/4	3,752.43	3/4	3,394.16	3/4	3,035.89	3/4	2,677.49
8		8		8		8	4,817.43	8	4,461.11	8	4,103.24	8	3,744.97	8	3,386.70	8	3,028.42	8	2,670.02
1/4		1/4		1/4		1/4	4,810.02	1/4	4,453.67	1/4	4,095.78	1/4	3,737.50	1/4	3,379.23	1/4	3,020.96	1/4	2,662.56
1/2		1/2		1/2		1/2	4,802.62	1/2	4,446.22	1/2	4,088.31	1/2	3,730.04	1/2	3,371.77	1/2	3,013.50	1/2	2,655.09
3/4		3/4		3/4		3/4	4,795.22	3/4	4,438.78	3/4	4,080.85	3/4	3,722.58	3/4	3,364.30	3/4	3,006.03	3/4	2,647.62
9		9		9		9	4,787.82	9	4,431.34	9	4,073.38	9	3,715.11	9	3,356.84	9	2,998.57	9	2,640.15
1/4		1/4		1/4		1/4	4,780.41	1/4	4,423.90	1/4	4,065.92	1/4	3,707.65	1/4	3,349.38	1/4	2,991.10	1/4	2,632.68
1/2		1/2		1/2		1/2	4,773.01	1/2	4,416.46	1/2	4,058.46	1/2	3,700.18	1/2	3,341.91	1/2	2,983.64	1/2	2,625.21
3/4		3/4		3/4		3/4	4,765.61	3/4	4,409.01	3/4	4,050.99	3/4	3,692.72	3/4	3,334.45	3/4	2,976.18	3/4	2,617.75
10		10		10		10	4,758.21	10	4,401.57	10	4,043.53	10	3,685.26	10	3,326.98	10	2,968.71	10	2,610.28
1/4		1/4		1/4		1/4	4,750.80	1/4	4,394.13	1/4	4,036.06	1/4	3,677.79	1/4	3,319.52	1/4	2,961.25	1/4	2,602.81
1/2		1/2		1/2		1/2	4,743.40	1/2	4,386.69	1/2	4,028.60	1/2	3,670.33	1/2	3,312.06	1/2	2,953.78	1/2	2,595.34
3/4		3/4		3/4		3/4	4,736.00	3/4	4,379.24	3/4	4,021.14	3/4	3,662.86	3/4	3,304.59	3/4	2,946.32	3/4	2,587.87
11		11		11		11	4,728.60	11	4,371.80	11	4,013.67	11	3,655.40	11	3,297.13	11	2,938.86	11	2,580.41
1/4		1/4		1/4		1/4	4,721.19	1/4	4,364.36	1/4	4,006.21	1/4	3,647.94	1/4	3,289.66	1/4	2,931.39	1/4	2,572.94
1/2		1/2		1/2		1/2	4,713.79	1/2	4,356.92	1/2	3,998.74	1/2	3,640.47	1/2	3,282.20	1/2	2,923.93	1/2	2,565.47
3/4		3/4		3/4		3/4	4,706.39	3/4	4,349.47	3/4	3,991.28	3/4	3,633.01	3/4	3,274.74	3/4	2,916.46	3/4	2,558.00

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-07" OFF CENTERLINE AND 41'-00" 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 "HTCO 3098"

1 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	2,550.53	0	2,192.06	0	1,833.60	0	1,475.13	0	1,116.66	0	758.68	0	404.88	0	89.58	0		0	
1/4	2,543.07	1/4	2,184.60	1/4	1,826.13	1/4	1,467.66	1/4	1,109.19	1/4	751.22	1/4	397.82	1/4	83.46	1/4		1/4	
1/2	2,535.60	1/2	2,177.13	1/2	1,818.66	1/2	1,460.19	1/2	1,101.72	1/2	743.75	1/2	390.85	1/2	77.43	1/2		1/2	
3/4	2,528.13	3/4	2,169.66	3/4	1,811.19	3/4	1,452.72	3/4	1,094.25	3/4	736.28	3/4	383.87	3/4	71.39	3/4		3/4	
1	2,520.66	1	2,162.19	1	1,803.72	1	1,445.25	1	1,086.79	1	728.82	1	376.89	1	65.36	1		1	
1/4	2,513.19	1/4	2,154.72	1/4	1,796.26	1/4	1,437.79	1/4	1,079.32	1/4	721.35	1/4	369.91	1/4	59.32	1/4		1/4	
1/2	2,505.72	1/2	2,147.26	1/2	1,788.79	1/2	1,430.32	1/2	1,071.85	1/2	713.88	1/2	363.01	1/2	53.84	1/2		1/2	
3/4	2,498.26	3/4	2,139.79	3/4	1,781.32	3/4	1,422.85	3/4	1,064.39	3/4	706.41	3/4	356.10	3/4	48.35	3/4		3/4	
2	2,490.79	2	2,132.32	2	1,773.85	2	1,415.38	2	1,056.92	2	698.94	2	349.20	2	42.87	2		2	
1/4	2,483.32	1/4	2,124.85	1/4	1,766.38	1/4	1,407.91	1/4	1,049.46	1/4	691.48	1/4	342.30	1/4	37.38	1/4		1/4	
1/2	2,475.85	1/2	2,117.38	1/2	1,758.91	1/2	1,400.45	1/2	1,042.00	1/2	684.01	1/2	335.47	1/2	33.37	1/2		1/2	
3/4	2,468.38	3/4	2,109.92	3/4	1,751.45	3/4	1,392.98	3/4	1,034.54	3/4	676.54	3/4	328.64	3/4	29.37	3/4		3/4	
3	2,460.92	3	2,102.45	3	1,743.98	3	1,385.51	3	1,027.07	3	669.07	3	321.81	3	25.37	3		3	
1/4	2,453.45	1/4	2,094.98	1/4	1,736.51	1/4	1,378.04	1/4	1,019.61	1/4	661.61	1/4	314.98	1/4	21.36	1/4		1/4	
1/2	2,445.98	1/2	2,087.51	1/2	1,729.04	1/2	1,370.57	1/2	1,012.15	1/2	654.14	1/2	308.23	1/2	18.45	1/2		1/2	
3/4	2,438.51	3/4	2,080.04	3/4	1,721.57	3/4	1,363.11	3/4	1,004.70	3/4	646.67	3/4	301.48	3/4		3/4		3/4	
4	2,431.04	4	2,072.58	4	1,714.11	4	1,355.64	4	997.24	4	639.20	4	294.73	4		4		4	
1/4	2,423.58	1/4	2,065.11	1/4	1,706.64	1/4	1,348.17	1/4	989.78	1/4	631.73	1/4	287.98	1/4		1/4		1/4	
1/2	2,416.11	1/2	2,057.64	1/2	1,699.17	1/2	1,340.70	1/2	982.33	1/2	624.27	1/2	281.31	1/2		1/2		1/2	
3/4	2,408.64	3/4	2,050.17	3/4	1,691.70	3/4	1,333.23	3/4	974.87	3/4	616.80	3/4	274.64	3/4		3/4		3/4	
5	2,401.17	5	2,042.70	5	1,684.23	5	1,325.77	5	967.42	5	609.33	5	267.97	5		5		5	
1/4	2,393.70	1/4	2,035.23	1/4	1,676.77	1/4	1,318.30	1/4	959.96	1/4	601.86	1/4	261.30	1/4		1/4		1/4	
1/2	2,386.24	1/2	2,027.77	1/2	1,669.30	1/2	1,310.83	1/2	952.51	1/2	594.39	1/2	254.71	1/2		1/2		1/2	
3/4	2,378.77	3/4	2,020.30	3/4	1,661.83	3/4	1,303.36	3/4	945.06	3/4	586.93	3/4	248.12	3/4		3/4		3/4	
6	2,371.30	6	2,012.83	6	1,654.36	6	1,295.89	6	937.60	6	579.46	6	241.53	6		6		6	
1/4	2,363.83	1/4	2,005.36	1/4	1,646.89	1/4	1,288.42	1/4	930.15	1/4	571.99	1/4	234.95	1/4		1/4		1/4	
1/2	2,356.36	1/2	1,997.89	1/2	1,639.43	1/2	1,280.96	1/2	922.69	1/2	564.55	1/2	228.44	1/2		1/2		1/2	
3/4	2,348.89	3/4	1,990.43	3/4	1,631.96	3/4	1,273.49	3/4	915.24	3/4	557.11	3/4	221.93	3/4		3/4		3/4	
7	2,341.43	7	1,982.96	7	1,624.49	7	1,266.02	7	907.78	7	549.66	7	215.43	7		7		7	
1/4	2,333.96	1/4	1,975.49	1/4	1,617.02	1/4	1,258.55	1/4	900.33	1/4	542.22	1/4	208.92	1/4		1/4		1/4	
1/2	2,326.49	1/2	1,968.02	1/2	1,609.55	1/2	1,251.08	1/2	892.88	1/2	534.85	1/2	202.50	1/2		1/2		1/2	
3/4	2,319.02	3/4	1,960.55	3/4	1,602.08	3/4	1,243.62	3/4	885.42	3/4	527.47	3/4	196.07	3/4		3/4		3/4	
8	2,311.55	8	1,953.09	8	1,594.62	8	1,236.15	8	877.97	8	520.09	8	189.65	8		8		8	
1/4	2,304.09	1/4	1,945.62	1/4	1,587.15	1/4	1,228.68	1/4	870.51	1/4	512.72	1/4	183.22	1/4		1/4		1/4	
1/2	2,296.62	1/2	1,938.15	1/2	1,579.68	1/2	1,221.21	1/2	863.06	1/2	505.42	1/2	176.87	1/2		1/2		1/2	
3/4	2,289.15	3/4	1,930.68	3/4	1,572.21	3/4	1,213.74	3/4	855.61	3/4	498.12	3/4	170.52	3/4		3/4		3/4	
9	2,281.68	9	1,923.21	9	1,564.74	9	1,206.28	9	848.15	9	490.82	9	164.17	9		9		9	
1/4	2,274.21	1/4	1,915.75	1/4	1,557.28	1/4	1,198.81	1/4	840.70	1/4	483.52	1/4	157.82	1/4		1/4		1/4	
1/2	2,266.75	1/2	1,908.28	1/2	1,549.81	1/2	1,191.34	1/2	833.24	1/2	476.30	1/2	151.54	1/2		1/2		1/2	
3/4	2,259.28	3/4	1,900.81	3/4	1,542.34	3/4	1,183.87	3/4	825.79	3/4	469.08	3/4	145.27	3/4		3/4		3/4	
10	2,251.81	10	1,893.34	10	1,534.87	10	1,176.40	10	818.33	10	461.85	10	138.99	10		10		10	
1/4	2,244.34	1/4	1,885.87	1/4	1,527.40	1/4	1,168.94	1/4	810.88	1/4	454.63	1/4	132.71	1/4		1/4		1/4	
1/2	2,236.87	1/2	1,878.40	1/2	1,519.94	1/2	1,161.47	1/2	803.43	1/2	447.49	1/2	126.52	1/2		1/2		1/2	
3/4	2,229.41	3/4	1,870.94	3/4	1,512.47	3/4	1,154.00	3/4	795.97	3/4	440.35	3/4	120.32	3/4		3/4		3/4	
11	2,221.94	11	1,863.47	11	1,505.00	11	1,146.53	11	788.52	11	433.21	11	114.12	11		11		11	
1/4	2,214.47	1/4	1,856.00	1/4	1,497.53	1/4	1,139.06	1/4	781.06	1/4	426.06	1/4	107.93	1/4		1/4		1/4	
1/2	2,207.00	1/2	1,848.53	1/2	1,490.06	1/2	1,131.59	1/2	773.60	1/2	419.00	1/2	101.81	1/2		1/2		1/2	
3/4	2,199.53	3/4	1,841.06	3/4	1,482.60	3/4	1,124.13	3/4	766.14	3/4	411.94	3/4	95.69	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/15/2013 CL
RECALCULATED: 08/14/2018 CL
VERIFIED: 10/25/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

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



BARGE "HTCO 3098"

2 PORT ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 17'-03 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,761.12	0	4,403.16	0	4,043.97	0	3,684.73	0	3,325.50	0	2,966.27
1/4		1/4		1/4		1/4		1/4	4,753.70	1/4	4,395.69	1/4	4,036.48	1/4	3,677.25	1/4	3,318.01	1/4	2,958.78
1/2		1/2		1/2		1/2		1/2	4,746.27	1/2	4,388.22	1/2	4,029.00	1/2	3,669.76	1/2	3,310.53	1/2	2,951.29
3/4		3/4		3/4		3/4		3/4	5,083.49	3/4	4,738.85	3/4	4,380.74	3/4	4,021.52	3/4	3,662.28	3/4	3,303.04
1		1		1		1		1	5,078.74	1	4,731.43	1	4,373.27	1	4,014.03	1	3,654.80	1	2,936.32
1/4		1/4		1/4		1/4		1/4	5,072.91	1/4	4,723.99	1/4	4,365.79	1/4	4,006.55	1/4	3,647.31	1/4	2,928.83
1/2		1/2		1/2		1/2		1/2	5,067.09	1/2	4,716.54	1/2	4,358.30	1/2	3,999.06	1/2	3,639.83	1/2	2,921.34
3/4		3/4		3/4		3/4		3/4	5,061.27	3/4	4,709.10	3/4	4,350.82	3/4	3,991.58	3/4	3,632.34	3/4	2,913.85
2		2		2		2		2	5,055.45	2	4,701.66	2	4,343.33	2	3,984.10	2	3,624.86	2	2,906.36
1/4		1/4		1/4		1/4		1/4	5,048.62	1/4	4,694.20	1/4	4,335.85	1/4	3,976.61	1/4	3,617.38	1/4	2,898.87
1/2		1/2		1/2		1/2		1/2	5,041.80	1/2	4,686.73	1/2	4,328.36	1/2	3,969.13	1/2	3,609.89	1/2	2,891.39
3/4		3/4		3/4		3/4		3/4	5,034.97	3/4	4,679.27	3/4	4,320.88	3/4	3,961.64	3/4	3,602.41	3/4	2,883.90
3		3		3		3		3	5,028.15	3	4,671.81	3	4,313.40	3	3,954.16	3	3,594.92	3	2,876.41
1/4		1/4		1/4		1/4		1/4	5,020.78	1/4	4,664.35	1/4	4,305.91	1/4	3,946.68	1/4	3,587.44	1/4	2,868.92
1/2		1/2		1/2		1/2		1/2	5,013.42	1/2	4,656.89	1/2	4,298.43	1/2	3,939.19	1/2	3,579.95	1/2	2,861.43
3/4		3/4		3/4		3/4		3/4	5,006.06	3/4	4,649.42	3/4	4,290.94	3/4	3,931.71	3/4	3,572.47	3/4	2,853.95
4		4		4		4		4	4,998.70	4	4,641.96	4	4,283.46	4	3,924.22	4	3,564.99	4	2,846.46
1/4		1/4		1/4		1/4		1/4	4,991.28	1/4	4,634.50	1/4	4,275.98	1/4	3,916.74	1/4	3,557.50	1/4	2,838.97
1/2		1/2		1/2		1/2		1/2	4,983.85	1/2	4,627.04	1/2	4,268.49	1/2	3,909.26	1/2	3,550.02	1/2	2,831.48
3/4		3/4		3/4		3/4		3/4	4,976.42	3/4	4,619.57	3/4	4,261.01	3/4	3,901.77	3/4	3,542.53	3/4	2,823.99
5		5		5		5		5	4,969.00	5	4,612.11	5	4,253.52	5	3,894.29	5	3,535.05	5	2,816.50
1/4		1/4		1/4		1/4		1/4	4,961.57	1/4	4,604.65	1/4	4,246.04	1/4	3,886.80	1/4	3,527.57	1/4	2,809.02
1/2		1/2		1/2		1/2		1/2	4,954.14	1/2	4,597.19	1/2	4,238.56	1/2	3,879.32	1/2	3,520.08	1/2	2,801.53
3/4		3/4		3/4		3/4		3/4	4,946.72	3/4	4,589.72	3/4	4,231.07	3/4	3,871.83	3/4	3,512.60	3/4	2,794.04
6		6		6		6		6	4,939.29	6	4,582.26	6	4,223.59	6	3,864.35	6	3,505.11	6	2,786.55
1/4		1/4		1/4		1/4		1/4	4,931.86	1/4	4,574.80	1/4	4,216.10	1/4	3,856.87	1/4	3,497.63	1/4	2,779.06
1/2		1/2		1/2		1/2		1/2	4,924.44	1/2	4,567.34	1/2	4,208.62	1/2	3,849.38	1/2	3,490.15	1/2	2,771.58
3/4		3/4		3/4		3/4		3/4	4,917.01	3/4	4,559.87	3/4	4,201.14	3/4	3,841.90	3/4	3,482.66	3/4	2,764.09
7		7		7		7		7	4,909.58	7	4,552.41	7	4,193.65	7	3,834.41	7	3,475.18	7	2,756.60
1/4		1/4		1/4		1/4		1/4	4,902.16	1/4	4,544.95	1/4	4,186.17	1/4	3,826.93	1/4	3,467.69	1/4	2,749.11
1/2		1/2		1/2		1/2		1/2	4,894.73	1/2	4,537.49	1/2	4,178.68	1/2	3,819.45	1/2	3,460.21	1/2	2,741.62
3/4		3/4		3/4		3/4		3/4	4,887.31	3/4	4,530.02	3/4	4,171.20	3/4	3,811.96	3/4	3,452.73	3/4	2,734.13
8		8		8		8		8	4,879.88	8	4,522.56	8	4,163.71	8	3,804.48	8	3,445.24	8	2,726.65
1/4		1/4		1/4		1/4		1/4	4,872.46	1/4	4,515.10	1/4	4,156.23	1/4	3,796.99	1/4	3,437.76	1/4	2,719.16
1/2		1/2		1/2		1/2		1/2	4,865.04	1/2	4,507.64	1/2	4,148.75	1/2	3,789.51	1/2	3,430.27	1/2	2,711.67
3/4		3/4		3/4		3/4		3/4	4,857.62	3/4	4,500.17	3/4	4,141.26	3/4	3,782.03	3/4	3,422.79	3/4	2,704.18
9		9		9		9		9	4,850.19	9	4,492.71	9	4,133.78	9	3,774.54	9	3,415.30	9	2,696.69
1/4		1/4		1/4		1/4		1/4	4,842.77	1/4	4,485.25	1/4	4,126.29	1/4	3,767.06	1/4	3,407.82	1/4	2,689.20
1/2		1/2		1/2		1/2		1/2	4,835.35	1/2	4,477.79	1/2	4,118.81	1/2	3,759.57	1/2	3,400.34	1/2	2,681.72
3/4		3/4		3/4		3/4		3/4	4,827.92	3/4	4,470.33	3/4	4,111.33	3/4	3,752.09	3/4	3,392.85	3/4	2,674.23
10		10		10		10		10	4,820.50	10	4,462.86	10	4,103.84	10	3,744.61	10	3,385.37	10	2,666.74
1/4		1/4		1/4		1/4		1/4	4,813.08	1/4	4,455.40	1/4	4,096.36	1/4	3,737.12	1/4	3,377.88	1/4	2,659.25
1/2		1/2		1/2		1/2		1/2	4,805.66	1/2	4,447.94	1/2	4,088.87	1/2	3,729.64	1/2	3,370.40	1/2	2,651.76
3/4		3/4		3/4		3/4		3/4	4,798.23	3/4	4,440.48	3/4	4,081.39	3/4	3,722.15	3/4	3,362.92	3/4	2,644.28
11		11		11		11		11	4,790.81	11	4,433.01	11	4,073.91	11	3,714.67	11	3,355.43	11	2,636.79
1/4		1/4		1/4		1/4		1/4	4,783.39	1/4	4,425.55	1/4	4,066.42	1/4	3,707.18	1/4	3,347.95	1/4	2,629.30
1/2		1/2		1/2		1/2		1/2	4,775.97	1/2	4,418.09	1/2	4,058.94	1/2	3,699.70	1/2	3,340.46	1/2	2,621.81
3/4		3/4		3/4		3/4		3/4	4,768.54	3/4	4,410.63	3/4	4,051.45	3/4	3,692.22	3/4	3,332.98	3/4	2,614.32

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-07" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HTCO 3098"

2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	2,606.83	0	2,247.40	0	1,887.97	0	1,528.53	0	1,169.67	0	824.04	0	464.62	0	105.20	0		0	
1/4	2,599.35	1/4	2,239.91	1/4	1,880.48	1/4	1,521.05	1/4	1,162.46	1/4	816.56	1/4	457.13	1/4	97.71	1/4		1/4	
1/2	2,591.86	1/2	2,232.42	1/2	1,872.99	1/2	1,513.56	1/2	1,155.26	1/2	809.07	1/2	449.64	1/2	90.22	1/2		1/2	
3/4	2,584.37	3/4	2,224.94	3/4	1,865.50	3/4	1,506.07	3/4	1,148.05	3/4	801.58	3/4	442.16	3/4	82.73	3/4		3/4	
1	2,576.88	1	2,217.45	1	1,858.01	1	1,498.58	1	1,140.84	1	794.09	1	434.67	1	75.24	1		1	
1/4	2,569.39	1/4	2,209.96	1/4	1,850.53	1/4	1,491.09	1/4	1,133.65	1/4	786.60	1/4	427.18	1/4	68.22	1/4		1/4	
1/2	2,561.91	1/2	2,202.47	1/2	1,843.04	1/2	1,483.60	1/2	1,126.45	1/2	779.12	1/2	419.69	1/2	61.20	1/2		1/2	
3/4	2,554.42	3/4	2,194.98	3/4	1,835.55	3/4	1,476.12	3/4	1,119.25	3/4	771.63	3/4	412.20	3/4	54.18	3/4		3/4	
2	2,546.93	2	2,187.50	2	1,828.06	2	1,468.63	2	1,112.05	2	764.14	2	404.72	2	47.16	2		2	
1/4	2,539.44	1/4	2,180.01	1/4	1,820.57	1/4	1,461.14	1/4	1,104.86	1/4	756.65	1/4	397.23	1/4	41.55	1/4		1/4	
1/2	2,531.95	1/2	2,172.52	1/2	1,813.09	1/2	1,453.65	1/2	1,097.67	1/2	749.16	1/2	389.74	1/2	35.93	1/2		1/2	
3/4	2,524.46	3/4	2,165.03	3/4	1,805.60	3/4	1,446.16	3/4	1,090.48	3/4	741.68	3/4	382.25	3/4	30.32	3/4		3/4	
3	2,516.98	3	2,157.54	3	1,798.11	3	1,438.68	3	1,083.28	3	734.19	3	374.76	3	24.70	3		3	
1/4	2,509.49	1/4	2,150.05	1/4	1,790.62	1/4	1,431.19	1/4	1,076.10	1/4	726.70	1/4	367.28	1/4	20.96	1/4		1/4	
1/2	2,502.00	1/2	2,142.57	1/2	1,783.13	1/2	1,423.70	1/2	1,068.91	1/2	719.21	1/2	359.79	1/2		1/2		1/2	
3/4	2,494.51	3/4	2,135.08	3/4	1,775.64	3/4	1,416.21	3/4	1,061.72	3/4	711.72	3/4	352.30	3/4		3/4		3/4	
4	2,487.02	4	2,127.59	4	1,768.16	4	1,408.72	4	1,054.53	4	704.24	4	344.81	4		4		4	
1/4	2,479.54	1/4	2,120.10	1/4	1,760.67	1/4	1,401.23	1/4	1,047.35	1/4	696.75	1/4	337.32	1/4		1/4		1/4	
1/2	2,472.05	1/2	2,112.61	1/2	1,753.18	1/2	1,393.75	1/2	1,040.16	1/2	689.26	1/2	329.84	1/2		1/2		1/2	
3/4	2,464.56	3/4	2,105.13	3/4	1,745.69	3/4	1,386.26	3/4	1,032.98	3/4	681.77	3/4	322.35	3/4		3/4		3/4	
5	2,457.07	5	2,097.64	5	1,738.20	5	1,378.77	5	1,025.80	5	674.28	5	314.86	5		5		5	
1/4	2,449.58	1/4	2,090.15	1/4	1,730.72	1/4	1,371.28	1/4	1,018.61	1/4	666.80	1/4	307.37	1/4		1/4		1/4	
1/2	2,442.09	1/2	2,082.66	1/2	1,723.23	1/2	1,363.79	1/2	1,011.43	1/2	659.31	1/2	299.88	1/2		1/2		1/2	
3/4	2,434.61	3/4	2,075.17	3/4	1,715.74	3/4	1,356.31	3/4	1,004.24	3/4	651.82	3/4	292.40	3/4		3/4		3/4	
6	2,427.12	6	2,067.68	6	1,708.25	6	1,348.82	6	997.06	6	644.33	6	284.91	6		6		6	
1/4	2,419.63	1/4	2,060.20	1/4	1,700.76	1/4	1,341.33	1/4	989.88	1/4	636.84	1/4	277.42	1/4		1/4		1/4	
1/2	2,412.14	1/2	2,052.71	1/2	1,693.27	1/2	1,333.84	1/2	982.69	1/2	629.36	1/2	269.93	1/2		1/2		1/2	
3/4	2,404.65	3/4	2,045.22	3/4	1,685.79	3/4	1,326.35	3/4	975.51	3/4	621.87	3/4	262.44	3/4		3/4		3/4	
7	2,397.17	7	2,037.73	7	1,678.30	7	1,318.86	7	968.32	7	614.38	7	254.96	7		7		7	
1/4	2,389.68	1/4	2,030.24	1/4	1,670.81	1/4	1,311.38	1/4	961.14	1/4	606.89	1/4	247.47	1/4		1/4		1/4	
1/2	2,382.19	1/2	2,022.76	1/2	1,663.32	1/2	1,303.89	1/2	953.96	1/2	599.40	1/2	239.98	1/2		1/2		1/2	
3/4	2,374.70	3/4	2,015.27	3/4	1,655.83	3/4	1,296.40	3/4	946.77	3/4	591.92	3/4	232.49	3/4		3/4		3/4	
8	2,367.21	8	2,007.78	8	1,648.35	8	1,288.91	8	939.59	8	584.43	8	225.00	8		8		8	
1/4	2,359.72	1/4	2,000.29	1/4	1,640.86	1/4	1,281.42	1/4	932.40	1/4	576.94	1/4	217.52	1/4		1/4		1/4	
1/2	2,352.24	1/2	1,992.80	1/2	1,633.37	1/2	1,273.94	1/2	925.22	1/2	569.45	1/2	210.03	1/2		1/2		1/2	
3/4	2,344.75	3/4	1,985.31	3/4	1,625.88	3/4	1,266.45	3/4	918.04	3/4	561.96	3/4	202.54	3/4		3/4		3/4	
9	2,337.26	9	1,977.83	9	1,618.39	9	1,258.96	9	910.85	9	554.48	9	195.05	9		9		9	
1/4	2,329.77	1/4	1,970.34	1/4	1,610.90	1/4	1,251.47	1/4	903.67	1/4	546.99	1/4	187.56	1/4		1/4		1/4	
1/2	2,322.28	1/2	1,962.85	1/2	1,603.42	1/2	1,243.98	1/2	896.48	1/2	539.50	1/2	180.08	1/2		1/2		1/2	
3/4	2,314.79	3/4	1,955.36	3/4	1,595.93	3/4	1,236.49	3/4	889.30	3/4	532.01	3/4	172.59	3/4		3/4		3/4	
10	2,307.31	10	1,947.87	10	1,588.44	10	1,229.01	10	882.11	10	524.52	10	165.10	10		10		10	
1/4	2,299.82	1/4	1,940.38	1/4	1,580.95	1/4	1,221.52	1/4	874.93	1/4	517.04	1/4	157.61	1/4		1/4		1/4	
1/2	2,292.33	1/2	1,932.90	1/2	1,573.46	1/2	1,214.03	1/2	867.75	1/2	509.55	1/2	150.12	1/2		1/2		1/2	
3/4	2,284.84	3/4	1,925.41	3/4	1,565.97	3/4	1,206.54	3/4	860.56	3/4	502.06	3/4	142.64	3/4		3/4		3/4	
11	2,277.35	11	1,917.92	11	1,558.49	11	1,199.05	11	853.38	11	494.57	11	135.15	11		11		11	
1/4	2,269.87	1/4	1,910.43	1/4	1,551.00	1/4	1,191.71	1/4	846.04	1/4	487.08	1/4	127.66	1/4		1/4		1/4	
1/2	2,262.38	1/2	1,902.94	1/2	1,543.51	1/2	1,184.36	1/2	838.71	1/2	479.60	1/2	120.17	1/2		1/2		1/2	
3/4	2,254.89	3/4	1,895.46	3/4	1,536.02	3/4	1,177.01	3/4	831.38	3/4	472.11	3/4	112.68	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/15/2013 CL
RECALCULATED: 08/14/2018 CL
VERIFIED: 10/25/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

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



BARGE "HTCO 3098"

2 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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		0		0		0	4,789.87	0	4,431.99	0	4,072.84	0	3,713.60	0	3,354.37	0	2,995.12
1/4		1/4		1/4		1/4		1/4	4,782.44	1/4	4,424.53	1/4	4,065.36	1/4	3,706.12	1/4	3,346.88	1/4	2,987.64
1/2		1/2		1/2		1/2		1/2	4,775.02	1/2	4,417.07	1/2	4,057.87	1/2	3,698.64	1/2	3,339.40	1/2	2,980.15
3/4		3/4		3/4		3/4		3/4	4,767.60	3/4	4,409.59	3/4	4,050.39	3/4	3,691.15	3/4	3,331.92	3/4	2,972.66
1		1		1		1		1	4,760.18	1	4,402.12	1	4,042.90	1	3,683.67	1	3,324.43	1	2,965.17
1/4		1/4		1/4		1/4		1/4	5,097.38	1/4	4,752.75	1/4	4,394.65	1/4	4,035.42	1/4	3,676.18	1/4	3,316.95
1/2		1/2		1/2		1/2		1/2	5,092.63	1/2	4,745.33	1/2	4,387.17	1/2	4,027.94	1/2	3,668.70	1/2	3,309.46
3/4		3/4		3/4		3/4		3/4	5,086.80	3/4	4,737.89	3/4	4,379.69	3/4	4,020.45	3/4	3,661.22	3/4	3,301.98
2		2		2		2		2	5,080.98	2	4,730.45	2	4,372.21	2	4,012.97	2	3,653.73	2	3,294.49
1/4		1/4		1/4		1/4		1/4	5,075.16	1/4	4,723.00	1/4	4,364.72	1/4	4,005.48	1/4	3,646.25	1/4	3,287.01
1/2		1/2		1/2		1/2		1/2	5,069.34	1/2	4,715.56	1/2	4,357.24	1/2	3,998.00	1/2	3,638.76	1/2	3,279.53
3/4		3/4		3/4		3/4		3/4	5,062.51	3/4	4,708.10	3/4	4,349.75	3/4	3,990.52	3/4	3,631.28	3/4	3,272.04
3		3		3		3		3	5,055.69	3	4,700.64	3	4,342.27	3	3,983.03	3	3,623.80	3	3,264.56
1/4		1/4		1/4		1/4		1/4	5,048.86	1/4	4,693.17	1/4	4,334.78	1/4	3,975.55	1/4	3,616.31	1/4	3,257.07
1/2		1/2		1/2		1/2		1/2	5,042.04	1/2	4,685.71	1/2	4,327.30	1/2	3,968.06	1/2	3,608.83	1/2	3,249.59
3/4		3/4		3/4		3/4		3/4	5,034.68	3/4	4,678.25	3/4	4,319.82	3/4	3,960.58	3/4	3,601.34	3/4	3,242.11
4		4		4		4		4	5,027.32	4	4,670.79	4	4,312.33	4	3,953.10	4	3,593.86	4	3,234.62
1/4		1/4		1/4		1/4		1/4	5,019.96	1/4	4,663.32	1/4	4,304.85	1/4	3,945.61	1/4	3,586.37	1/4	3,227.14
1/2		1/2		1/2		1/2		1/2	5,012.60	1/2	4,655.86	1/2	4,297.36	1/2	3,938.13	1/2	3,578.89	1/2	3,219.65
3/4		3/4		3/4		3/4		3/4	5,005.17	3/4	4,648.40	3/4	4,289.88	3/4	3,930.64	3/4	3,571.41	3/4	3,212.17
5		5		5		5		5	4,997.75	5	4,640.94	5	4,282.40	5	3,923.16	5	3,563.92	5	3,204.69
1/4		1/4		1/4		1/4		1/4	4,990.32	1/4	4,633.48	1/4	4,274.91	1/4	3,915.68	1/4	3,556.44	1/4	3,197.20
1/2		1/2		1/2		1/2		1/2	4,982.89	1/2	4,626.01	1/2	4,267.43	1/2	3,908.19	1/2	3,548.95	1/2	3,189.72
3/4		3/4		3/4		3/4		3/4	4,975.47	3/4	4,618.55	3/4	4,259.94	3/4	3,900.71	3/4	3,541.47	3/4	3,182.23
6		6		6		6		6	4,968.04	6	4,611.09	6	4,252.46	6	3,893.22	6	3,533.99	6	3,174.75
1/4		1/4		1/4		1/4		1/4	4,960.61	1/4	4,603.63	1/4	4,244.98	1/4	3,885.74	1/4	3,526.50	1/4	3,167.27
1/2		1/2		1/2		1/2		1/2	4,953.19	1/2	4,596.16	1/2	4,237.49	1/2	3,878.25	1/2	3,519.02	1/2	3,159.78
3/4		3/4		3/4		3/4		3/4	4,945.76	3/4	4,588.70	3/4	4,230.01	3/4	3,870.77	3/4	3,511.53	3/4	3,152.30
7		7		7		7		7	4,938.33	7	4,581.24	7	4,222.52	7	3,863.29	7	3,504.05	7	3,144.81
1/4		1/4		1/4		1/4		1/4	4,930.91	1/4	4,573.78	1/4	4,215.04	1/4	3,855.80	1/4	3,496.57	1/4	3,137.33
1/2		1/2		1/2		1/2		1/2	4,923.48	1/2	4,566.31	1/2	4,207.56	1/2	3,848.32	1/2	3,489.08	1/2	3,129.84
3/4		3/4		3/4		3/4		3/4	4,916.06	3/4	4,558.85	3/4	4,200.07	3/4	3,840.83	3/4	3,481.60	3/4	3,122.36
8		8		8		8		8	4,908.63	8	4,551.39	8	4,192.59	8	3,833.35	8	3,474.11	8	3,114.88
1/4		1/4		1/4		1/4		1/4	4,901.21	1/4	4,543.93	1/4	4,185.10	1/4	3,825.87	1/4	3,466.63	1/4	3,107.39
1/2		1/2		1/2		1/2		1/2	4,893.78	1/2	4,536.46	1/2	4,177.62	1/2	3,818.38	1/2	3,459.14	1/2	3,099.91
3/4		3/4		3/4		3/4		3/4	4,886.36	3/4	4,529.00	3/4	4,170.13	3/4	3,810.90	3/4	3,451.66	3/4	3,092.42
9		9		9		9		9	4,878.94	9	4,521.54	9	4,162.65	9	3,803.41	9	3,444.18	9	3,084.94
1/4		1/4		1/4		1/4		1/4	4,871.51	1/4	4,514.08	1/4	4,155.17	1/4	3,795.93	1/4	3,436.69	1/4	3,077.46
1/2		1/2		1/2		1/2		1/2	4,864.09	1/2	4,506.61	1/2	4,147.68	1/2	3,788.45	1/2	3,429.21	1/2	3,069.97
3/4		3/4		3/4		3/4		3/4	4,856.67	3/4	4,499.15	3/4	4,140.20	3/4	3,780.96	3/4	3,421.72	3/4	3,062.49
10		10		10		10		10	4,849.25	10	4,491.69	10	4,132.71	10	3,773.48	10	3,414.24	10	3,055.00
1/4		1/4		1/4		1/4		1/4	4,841.82	1/4	4,484.23	1/4	4,125.23	1/4	3,765.99	1/4	3,406.76	1/4	3,047.52
1/2		1/2		1/2		1/2		1/2	4,834.40	1/2	4,476.76	1/2	4,117.75	1/2	3,758.51	1/2	3,399.27	1/2	3,040.04
3/4		3/4		3/4		3/4		3/4	4,826.98	3/4	4,469.30	3/4	4,110.26	3/4	3,751.02	3/4	3,391.79	3/4	3,032.55
11		11		11		11		11	4,819.56	11	4,461.84	11	4,102.78	11	3,743.54	11	3,384.30	11	3,025.07
1/4		1/4		1/4		1/4		1/4	4,812.13	1/4	4,454.38	1/4	4,095.29	1/4	3,736.06	1/4	3,376.82	1/4	3,017.58
1/2		1/2		1/2		1/2		1/2	4,804.71	1/2	4,446.91	1/2	4,087.81	1/2	3,728.57	1/2	3,369.34	1/2	3,010.10
3/4		3/4		3/4		3/4		3/4	4,797.29	3/4	4,439.45	3/4	4,080.33	3/4	3,721.09	3/4	3,361.85	3/4	3,002.61

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-07" OFF CENTERLINE AND 41'-00" 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 "HTCO 3098"

2 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	2,635.70	0	2,276.27	0	1,916.84	0	1,557.41	0	1,197.98	0	839.00	0	479.59	0	120.17	0		0	
1/4	2,628.21	1/4	2,268.78	1/4	1,909.35	1/4	1,549.92	1/4	1,190.49	1/4	831.52	1/4	472.10	1/4	112.68	1/4		1/4	
1/2	2,620.72	1/2	2,261.29	1/2	1,901.86	1/2	1,542.43	1/2	1,183.00	1/2	824.03	1/2	464.62	1/2	105.20	1/2		1/2	
3/4	2,613.23	3/4	2,253.80	3/4	1,894.37	3/4	1,534.94	3/4	1,175.52	3/4	816.55	3/4	457.13	3/4	97.71	3/4		3/4	
1	2,605.74	1	2,246.31	1	1,886.89	1	1,527.46	1	1,168.03	1	809.06	1	449.64	1	90.22	1		1	
1/4	2,598.26	1/4	2,238.83	1/4	1,879.40	1/4	1,519.97	1/4	1,160.54	1/4	801.57	1/4	442.15	1/4	82.73	1/4		1/4	
1/2	2,590.77	1/2	2,231.34	1/2	1,871.91	1/2	1,512.48	1/2	1,153.05	1/2	794.08	1/2	434.66	1/2	75.24	1/2		1/2	
3/4	2,583.28	3/4	2,223.85	3/4	1,864.42	3/4	1,504.99	3/4	1,145.57	3/4	786.60	3/4	427.18	3/4	68.22	3/4		3/4	
2	2,575.79	2	2,216.36	2	1,856.93	2	1,497.50	2	1,138.08	2	779.11	2	419.69	2	61.20	2		2	
1/4	2,568.30	1/4	2,208.87	1/4	1,849.45	1/4	1,490.02	1/4	1,130.60	1/4	771.62	1/4	412.20	1/4	54.18	1/4		1/4	
1/2	2,560.81	1/2	2,201.39	1/2	1,841.96	1/2	1,482.53	1/2	1,123.11	1/2	764.13	1/2	404.71	1/2	47.16	1/2		1/2	
3/4	2,553.33	3/4	2,193.90	3/4	1,834.47	3/4	1,475.04	3/4	1,115.63	3/4	756.64	3/4	397.22	3/4	41.55	3/4		3/4	
3	2,545.84	3	2,186.41	3	1,826.98	3	1,467.55	3	1,108.15	3	749.16	3	389.74	3	35.93	3		3	
1/4	2,538.35	1/4	2,178.92	1/4	1,819.49	1/4	1,460.06	1/4	1,100.66	1/4	741.67	1/4	382.25	1/4	30.32	1/4		1/4	
1/2	2,530.86	1/2	2,171.43	1/2	1,812.00	1/2	1,452.58	1/2	1,093.18	1/2	734.18	1/2	374.76	1/2	24.70	1/2		1/2	
3/4	2,523.37	3/4	2,163.95	3/4	1,804.52	3/4	1,445.09	3/4	1,085.70	3/4	726.69	3/4	367.27	3/4	20.96	3/4		3/4	
4	2,515.89	4	2,156.46	4	1,797.03	4	1,437.60	4	1,078.22	4	719.20	4	359.78	4		4		4	
1/4	2,508.40	1/4	2,148.97	1/4	1,789.54	1/4	1,430.11	1/4	1,070.74	1/4	711.72	1/4	352.30	1/4		1/4		1/4	
1/2	2,500.91	1/2	2,141.48	1/2	1,782.05	1/2	1,422.62	1/2	1,063.26	1/2	704.23	1/2	344.81	1/2		1/2		1/2	
3/4	2,493.42	3/4	2,133.99	3/4	1,774.56	3/4	1,415.14	3/4	1,055.79	3/4	696.74	3/4	337.32	3/4		3/4		3/4	
5	2,485.93	5	2,126.50	5	1,767.08	5	1,407.65	5	1,048.31	5	689.25	5	329.83	5		5		5	
1/4	2,478.45	1/4	2,119.02	1/4	1,759.59	1/4	1,400.16	1/4	1,040.84	1/4	681.76	1/4	322.35	1/4		1/4		1/4	
1/2	2,470.96	1/2	2,111.53	1/2	1,752.10	1/2	1,392.67	1/2	1,033.36	1/2	674.28	1/2	314.86	1/2		1/2		1/2	
3/4	2,463.47	3/4	2,104.04	3/4	1,744.61	3/4	1,385.18	3/4	1,025.89	3/4	666.79	3/4	307.37	3/4		3/4		3/4	
6	2,455.98	6	2,096.55	6	1,737.12	6	1,377.69	6	1,018.41	6	659.30	6	299.88	6		6		6	
1/4	2,448.49	1/4	2,089.06	1/4	1,729.64	1/4	1,370.21	1/4	1,010.94	1/4	651.81	1/4	292.39	1/4		1/4		1/4	
1/2	2,441.00	1/2	2,081.58	1/2	1,722.15	1/2	1,362.72	1/2	1,003.46	1/2	644.32	1/2	284.91	1/2		1/2		1/2	
3/4	2,433.52	3/4	2,074.09	3/4	1,714.66	3/4	1,355.23	3/4	995.99	3/4	636.84	3/4	277.42	3/4		3/4		3/4	
7	2,426.03	7	2,066.60	7	1,707.17	7	1,347.74	7	988.51	7	629.35	7	269.93	7		7		7	
1/4	2,418.54	1/4	2,059.11	1/4	1,699.68	1/4	1,340.25	1/4	981.04	1/4	621.86	1/4	262.44	1/4		1/4		1/4	
1/2	2,411.05	1/2	2,051.62	1/2	1,692.19	1/2	1,332.77	1/2	973.56	1/2	614.37	1/2	254.95	1/2		1/2		1/2	
3/4	2,403.56	3/4	2,044.14	3/4	1,684.71	3/4	1,325.28	3/4	966.09	3/4	606.89	3/4	247.47	3/4		3/4		3/4	
8	2,396.08	8	2,036.65	8	1,677.22	8	1,317.79	8	958.61	8	599.40	8	239.98	8		8		8	
1/4	2,388.59	1/4	2,029.16	1/4	1,669.73	1/4	1,310.30	1/4	951.14	1/4	591.91	1/4	232.49	1/4		1/4		1/4	
1/2	2,381.10	1/2	2,021.67	1/2	1,662.24	1/2	1,302.81	1/2	943.66	1/2	584.42	1/2	225.00	1/2		1/2		1/2	
3/4	2,373.61	3/4	2,014.18	3/4	1,654.75	3/4	1,295.33	3/4	936.19	3/4	576.93	3/4	217.51	3/4		3/4		3/4	
9	2,366.12	9	2,006.70	9	1,647.27	9	1,287.84	9	928.71	9	569.45	9	210.03	9		9		9	
1/4	2,358.64	1/4	1,999.21	1/4	1,639.78	1/4	1,280.35	1/4	921.24	1/4	561.96	1/4	202.54	1/4		1/4		1/4	
1/2	2,351.15	1/2	1,991.72	1/2	1,632.29	1/2	1,272.86	1/2	913.76	1/2	554.47	1/2	195.05	1/2		1/2		1/2	
3/4	2,343.66	3/4	1,984.23	3/4	1,624.80	3/4	1,265.37	3/4	906.29	3/4	546.98	3/4	187.56	3/4		3/4		3/4	
10	2,336.17	10	1,976.74	10	1,617.31	10	1,257.89	10	898.81	10	539.49	10	180.08	10		10		10	
1/4	2,328.68	1/4	1,969.25	1/4	1,609.83	1/4	1,250.40	1/4	891.34	1/4	532.01	1/4	172.59	1/4		1/4		1/4	
1/2	2,321.20	1/2	1,961.77	1/2	1,602.34	1/2	1,242.91	1/2	883.86	1/2	524.52	1/2	165.10	1/2		1/2		1/2	
3/4	2,313.71	3/4	1,954.28	3/4	1,594.85	3/4	1,235.42	3/4	876.39	3/4	517.03	3/4	157.61	3/4		3/4		3/4	
11	2,306.22	11	1,946.79	11	1,587.36	11	1,227.93	11	868.91	11	509.54	11	150.12	11		11		11	
1/4	2,298.73	1/4	1,939.30	1/4	1,579.87	1/4	1,220.44	1/4	861.44	1/4	502.05	1/4	142.64	1/4		1/4		1/4	
1/2	2,291.24	1/2	1,931.81	1/2	1,572.39	1/2	1,212.96	1/2	853.96	1/2	494.57	1/2	135.15	1/2		1/2		1/2	
3/4	2,283.75	3/4	1,924.33	3/4	1,564.90	3/4	1,205.47	3/4	846.48	3/4	487.08	3/4	127.66	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/15/2013 CL
RECALCULATED: 08/14/2018 CL
VERIFIED: 10/25/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

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



BARGE "HTCO 3098"

3 PORT ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 17'-03 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,371.48	0	4,125.13	0	3,877.94	0	3,630.73	0	3,302.11	0	2,945.70
1/4		1/4		1/4		1/4		1/4	4,366.37	1/4	4,119.98	1/4	3,872.79	1/4	3,625.58	1/4	3,294.70	1/4	2,938.27
1/2		1/2		1/2		1/2		1/2	4,361.26	1/2	4,114.84	1/2	3,867.64	1/2	3,620.43	1/2	3,287.29	1/2	2,930.84
3/4		3/4		3/4		3/4		3/4	4,589.72	3/4	4,356.16	3/4	4,109.70	3/4	3,862.49	3/4	3,615.28	3/4	3,279.88
1		1		1		1		1	4,587.27	1	4,351.05	1	4,104.56	1	3,857.34	1	3,610.13	1	3,272.48
1/4		1/4		1/4		1/4		1/4	4,583.76	1/4	4,345.93	1/4	4,099.41	1/4	3,852.19	1/4	3,604.98	1/4	3,265.06
1/2		1/2		1/2		1/2		1/2	4,580.24	1/2	4,340.80	1/2	4,094.26	1/2	3,847.04	1/2	3,599.83	1/2	3,257.64
3/4		3/4		3/4		3/4		3/4	4,576.73	3/4	4,335.68	3/4	4,089.11	3/4	3,841.89	3/4	3,594.68	3/4	3,250.23
2		2		2		2		2	4,573.22	2	4,330.56	2	4,083.95	2	3,836.74	2	3,589.53	2	3,242.81
1/4		1/4		1/4		1/4		1/4	4,568.70	1/4	4,325.42	1/4	4,078.80	1/4	3,831.59	1/4	3,583.80	1/4	3,235.38
1/2		1/2		1/2		1/2		1/2	4,564.19	1/2	4,320.29	1/2	4,073.65	1/2	3,826.44	1/2	3,578.08	1/2	3,227.95
3/4		3/4		3/4		3/4		3/4	4,559.68	3/4	4,315.15	3/4	4,068.50	3/4	3,821.29	3/4	3,572.35	3/4	3,220.53
3		3		3		3		3	4,555.17	3	4,310.02	3	4,063.35	3	3,816.14	3	3,566.63	3	3,213.10
1/4		1/4		1/4		1/4		1/4	4,550.12	1/4	4,304.88	1/4	4,058.20	1/4	3,810.99	1/4	3,559.77	1/4	3,205.67
1/2		1/2		1/2		1/2		1/2	4,545.08	1/2	4,299.74	1/2	4,053.05	1/2	3,805.84	1/2	3,552.91	1/2	3,198.24
3/4		3/4		3/4		3/4		3/4	4,540.03	3/4	4,294.61	3/4	4,047.90	3/4	3,800.69	3/4	3,546.05	3/4	3,190.82
4		4		4		4		4	4,534.99	4	4,289.47	4	4,042.75	4	3,795.54	4	3,539.19	4	3,183.39
1/4		1/4		1/4		1/4		1/4	4,529.88	1/4	4,284.34	1/4	4,037.60	1/4	3,790.39	1/4	3,531.77	1/4	3,175.96
1/2		1/2		1/2		1/2		1/2	4,524.77	1/2	4,279.20	1/2	4,032.45	1/2	3,785.24	1/2	3,524.35	1/2	3,168.53
3/4		3/4		3/4		3/4		3/4	4,519.65	3/4	4,274.07	3/4	4,027.30	3/4	3,780.09	3/4	3,516.94	3/4	3,161.11
5		5		5		5		5	4,514.54	5	4,268.93	5	4,022.15	5	3,774.94	5	3,509.52	5	3,153.68
1/4		1/4		1/4		1/4		1/4	4,509.43	1/4	4,263.79	1/4	4,017.00	1/4	3,769.79	1/4	3,502.11	1/4	3,146.25
1/2		1/2		1/2		1/2		1/2	4,504.32	1/2	4,258.66	1/2	4,011.85	1/2	3,764.64	1/2	3,494.69	1/2	3,138.82
3/4		3/4		3/4		3/4		3/4	4,499.21	3/4	4,253.52	3/4	4,006.70	3/4	3,759.49	3/4	3,487.28	3/4	3,131.40
6		6		6		6		6	4,494.10	6	4,248.39	6	4,001.55	6	3,754.34	6	3,479.87	6	3,123.97
1/4		1/4		1/4		1/4		1/4	4,488.99	1/4	4,243.25	1/4	3,996.40	1/4	3,749.19	1/4	3,472.46	1/4	3,116.54
1/2		1/2		1/2		1/2		1/2	4,483.88	1/2	4,238.11	1/2	3,991.25	1/2	3,744.04	1/2	3,465.05	1/2	3,109.11
3/4		3/4		3/4		3/4		3/4	4,478.77	3/4	4,232.98	3/4	3,986.10	3/4	3,738.88	3/4	3,457.65	3/4	3,101.69
7		7		7		7		7	4,473.65	7	4,227.84	7	3,980.95	7	3,733.73	7	3,450.24	7	3,094.26
1/4		1/4		1/4		1/4		1/4	4,468.55	1/4	4,222.71	1/4	3,975.80	1/4	3,728.58	1/4	3,442.83	1/4	3,086.83
1/2		1/2		1/2		1/2		1/2	4,463.44	1/2	4,217.57	1/2	3,970.65	1/2	3,723.43	1/2	3,435.43	1/2	3,079.40
3/4		3/4		3/4		3/4		3/4	4,458.33	3/4	4,212.44	3/4	3,965.50	3/4	3,718.28	3/4	3,428.02	3/4	3,071.98
8		8		8		8		8	4,453.22	8	4,207.30	8	3,960.35	8	3,713.13	8	3,420.61	8	3,064.55
1/4		1/4		1/4		1/4		1/4	4,448.11	1/4	4,202.16	1/4	3,955.20	1/4	3,707.98	1/4	3,413.21	1/4	3,057.12
1/2		1/2		1/2		1/2		1/2	4,443.00	1/2	4,197.03	1/2	3,950.05	1/2	3,702.83	1/2	3,405.80	1/2	3,049.69
3/4		3/4		3/4		3/4		3/4	4,437.89	3/4	4,191.89	3/4	3,944.90	3/4	3,697.68	3/4	3,398.39	3/4	3,042.27
9		9		9		9		9	4,432.78	9	4,186.76	9	3,939.75	9	3,692.53	9	3,390.99	9	3,034.84
1/4		1/4		1/4		1/4		1/4	4,427.67	1/4	4,181.62	1/4	3,934.60	1/4	3,687.38	1/4	3,383.58	1/4	3,027.41
1/2		1/2		1/2		1/2		1/2	4,422.57	1/2	4,176.48	1/2	3,929.45	1/2	3,682.23	1/2	3,376.17	1/2	3,019.98
3/4		3/4		3/4		3/4		3/4	4,417.46	3/4	4,171.35	3/4	3,924.30	3/4	3,677.08	3/4	3,368.77	3/4	3,012.56
10		10		10		10		10	4,412.35	10	4,166.21	10	3,919.15	10	3,671.93	10	3,361.36	10	3,005.13
1/4		1/4		1/4		1/4		1/4	4,407.24	1/4	4,161.08	1/4	3,914.00	1/4	3,666.78	1/4	3,353.95	1/4	2,997.70
1/2		1/2		1/2		1/2		1/2	4,402.13	1/2	4,155.94	1/2	3,908.84	1/2	3,661.63	1/2	3,346.55	1/2	2,990.27
3/4		3/4		3/4		3/4		3/4	4,397.02	3/4	4,150.81	3/4	3,903.69	3/4	3,656.48	3/4	3,339.14	3/4	2,982.85
11		11		11		11		11	4,391.91	11	4,145.67	11	3,898.54	11	3,651.33	11	3,331.73	11	2,975.42
1/4		1/4		1/4		1/4		1/4	4,386.81	1/4	4,140.53	1/4	3,893.39	1/4	3,646.18	1/4	3,324.33	1/4	2,967.99
1/2		1/2		1/2		1/2		1/2	4,381.70	1/2	4,135.40	1/2	3,888.24	1/2	3,641.03	1/2	3,316.92	1/2	2,960.56
3/4		3/4		3/4		3/4		3/4	4,376.59	3/4	4,130.26	3/4	3,883.09	3/4	3,635.88	3/4	3,309.51	3/4	2,953.13

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-07" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HTCO 3098"

3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	2,589.04	0	2,233.40	0	1,879.28	0	1,522.28	0	1,165.70	0	819.09	0	461.89	0	104.70	0		0	
1/4	2,581.60	1/4	2,226.02	1/4	1,871.85	1/4	1,514.85	1/4	1,158.48	1/4	811.65	1/4	454.45	1/4	97.25	1/4		1/4	
1/2	2,574.16	1/2	2,218.65	1/2	1,864.41	1/2	1,507.41	1/2	1,151.25	1/2	804.21	1/2	447.01	1/2	89.80	1/2		1/2	
3/4	2,566.73	3/4	2,211.27	3/4	1,856.97	3/4	1,499.97	3/4	1,144.02	3/4	796.77	3/4	439.57	3/4	82.35	3/4		3/4	
1	2,559.29	1	2,203.90	1	1,849.53	1	1,492.53	1	1,136.80	1	789.32	1	432.13	1	74.90	1		1	
1/4	2,551.85	1/4	2,196.52	1/4	1,842.10	1/4	1,485.10	1/4	1,129.58	1/4	781.88	1/4	424.69	1/4	67.91	1/4		1/4	
1/2	2,544.41	1/2	2,189.15	1/2	1,834.66	1/2	1,477.66	1/2	1,122.35	1/2	774.44	1/2	417.25	1/2	60.93	1/2		1/2	
3/4	2,536.98	3/4	2,181.77	3/4	1,827.22	3/4	1,470.22	3/4	1,115.13	3/4	767.00	3/4	409.81	3/4	53.94	3/4		3/4	
2	2,529.54	2	2,174.40	2	1,819.78	2	1,462.78	2	1,107.91	2	759.56	2	402.37	2	46.95	2		2	
1/4	2,522.10	1/4	2,167.02	1/4	1,812.35	1/4	1,455.35	1/4	1,100.70	1/4	752.12	1/4	394.93	1/4	41.36	1/4		1/4	
1/2	2,514.67	1/2	2,159.65	1/2	1,804.91	1/2	1,447.91	1/2	1,093.48	1/2	744.67	1/2	387.49	1/2	35.77	1/2		1/2	
3/4	2,507.23	3/4	2,152.28	3/4	1,797.47	3/4	1,440.47	3/4	1,086.27	3/4	737.23	3/4	380.05	3/4	30.18	3/4		3/4	
3	2,499.79	3	2,144.90	3	1,790.03	3	1,433.03	3	1,079.05	3	729.79	3	372.61	3	24.59	3		3	
1/4	2,492.37	1/4	2,137.53	1/4	1,782.60	1/4	1,425.60	1/4	1,071.84	1/4	722.35	1/4	365.17	1/4	20.86	1/4		1/4	
1/2	2,484.95	1/2	2,130.15	1/2	1,775.16	1/2	1,418.16	1/2	1,064.63	1/2	714.91	1/2	357.73	1/2		1/2		1/2	
3/4	2,477.54	3/4	2,122.78	3/4	1,767.72	3/4	1,410.72	3/4	1,057.42	3/4	707.47	3/4	350.29	3/4		3/4		3/4	
4	2,470.12	4	2,115.40	4	1,760.28	4	1,403.28	4	1,050.21	4	700.02	4	342.84	4		4		4	
1/4	2,462.72	1/4	2,108.03	1/4	1,752.85	1/4	1,395.85	1/4	1,043.00	1/4	692.58	1/4	335.40	1/4		1/4		1/4	
1/2	2,455.32	1/2	2,100.65	1/2	1,745.41	1/2	1,388.41	1/2	1,035.79	1/2	685.14	1/2	327.96	1/2		1/2		1/2	
3/4	2,447.92	3/4	2,093.28	3/4	1,737.97	3/4	1,380.97	3/4	1,028.58	3/4	677.70	3/4	320.52	3/4		3/4		3/4	
5	2,440.52	5	2,085.90	5	1,730.53	5	1,373.53	5	1,021.37	5	670.26	5	313.08	5		5		5	
1/4	2,433.12	1/4	2,078.53	1/4	1,723.10	1/4	1,366.10	1/4	1,014.17	1/4	662.81	1/4	305.64	1/4		1/4		1/4	
1/2	2,425.72	1/2	2,071.15	1/2	1,715.66	1/2	1,358.66	1/2	1,006.96	1/2	655.37	1/2	298.20	1/2		1/2		1/2	
3/4	2,418.32	3/4	2,063.78	3/4	1,708.22	3/4	1,351.22	3/4	999.75	3/4	647.93	3/4	290.76	3/4		3/4		3/4	
6	2,410.92	6	2,056.41	6	1,700.78	6	1,343.78	6	992.54	6	640.49	6	283.32	6		6		6	
1/4	2,403.53	1/4	2,049.03	1/4	1,693.35	1/4	1,336.35	1/4	985.34	1/4	633.05	1/4	275.88	1/4		1/4		1/4	
1/2	2,396.13	1/2	2,041.66	1/2	1,685.91	1/2	1,328.91	1/2	978.13	1/2	625.61	1/2	268.44	1/2		1/2		1/2	
3/4	2,388.73	3/4	2,034.28	3/4	1,678.47	3/4	1,321.47	3/4	970.92	3/4	618.16	3/4	261.00	3/4		3/4		3/4	
7	2,381.33	7	2,026.91	7	1,671.03	7	1,314.03	7	963.71	7	610.72	7	253.56	7		7		7	
1/4	2,373.93	1/4	2,019.53	1/4	1,663.60	1/4	1,306.60	1/4	956.51	1/4	603.28	1/4	246.12	1/4		1/4		1/4	
1/2	2,366.53	1/2	2,012.16	1/2	1,656.16	1/2	1,299.16	1/2	949.30	1/2	595.84	1/2	238.68	1/2		1/2		1/2	
3/4	2,359.13	3/4	2,004.78	3/4	1,648.72	3/4	1,291.72	3/4	942.09	3/4	588.40	3/4	231.24	3/4		3/4		3/4	
8	2,351.73	8	1,997.41	8	1,641.28	8	1,284.28	8	934.88	8	580.96	8	223.80	8		8		8	
1/4	2,344.33	1/4	1,990.03	1/4	1,633.85	1/4	1,276.85	1/4	927.67	1/4	573.51	1/4	216.35	1/4		1/4		1/4	
1/2	2,336.93	1/2	1,982.66	1/2	1,626.41	1/2	1,269.41	1/2	920.47	1/2	566.07	1/2	208.91	1/2		1/2		1/2	
3/4	2,329.54	3/4	1,975.28	3/4	1,618.97	3/4	1,261.97	3/4	913.26	3/4	558.63	3/4	201.47	3/4		3/4		3/4	
9	2,322.14	9	1,967.91	9	1,611.53	9	1,254.53	9	906.05	9	551.19	9	194.03	9		9		9	
1/4	2,314.74	1/4	1,960.54	1/4	1,604.10	1/4	1,247.10	1/4	898.84	1/4	543.75	1/4	186.59	1/4		1/4		1/4	
1/2	2,307.34	1/2	1,953.16	1/2	1,596.66	1/2	1,239.66	1/2	891.64	1/2	536.31	1/2	179.14	1/2		1/2		1/2	
3/4	2,299.94	3/4	1,945.79	3/4	1,589.22	3/4	1,232.22	3/4	884.43	3/4	528.86	3/4	171.70	3/4		3/4		3/4	
10	2,292.54	10	1,938.41	10	1,581.78	10	1,224.78	10	877.22	10	521.42	10	164.26	10		10		10	
1/4	2,285.14	1/4	1,931.04	1/4	1,574.35	1/4	1,217.35	1/4	870.01	1/4	513.98	1/4	156.82	1/4		1/4		1/4	
1/2	2,277.74	1/2	1,923.66	1/2	1,566.91	1/2	1,209.91	1/2	862.81	1/2	506.54	1/2	149.37	1/2		1/2		1/2	
3/4	2,270.34	3/4	1,916.29	3/4	1,559.47	3/4	1,202.47	3/4	855.60	3/4	499.10	3/4	141.93	3/4		3/4		3/4	
11	2,262.94	11	1,908.91	11	1,552.03	11	1,195.03	11	848.39	11	491.66	11	134.49	11		11		11	
1/4	2,255.56	1/4	1,901.51	1/4	1,544.60	1/4	1,187.70	1/4	841.07	1/4	484.21	1/4	127.04	1/4		1/4		1/4	
1/2	2,248.17	1/2	1,894.10	1/2	1,537.16	1/2	1,180.37	1/2	833.74	1/2	476.77	1/2	119.60	1/2		1/2		1/2	
3/4	2,240.78	3/4	1,886.69	3/4	1,529.72	3/4	1,173.04	3/4	826.42	3/4	469.33	3/4	112.15	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/15/2013 CL
RECALCULATED: 08/14/2018 CL
VERIFIED: 10/25/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

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



BARGE "HTCO 3098"

3 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,398.39	0	4,151.99	0	3,904.75	0	3,657.47	0	3,330.64	0	2,973.48
1/4		1/4		1/4		1/4		1/4	4,393.28	1/4	4,146.85	1/4	3,899.60	1/4	3,652.32	1/4	3,323.22	1/4	2,966.04
1/2		1/2		1/2		1/2		1/2	4,388.17	1/2	4,141.71	1/2	3,894.45	1/2	3,647.17	1/2	3,315.80	1/2	2,958.59
3/4		3/4		3/4		3/4		3/4	4,383.06	3/4	4,136.56	3/4	3,889.29	3/4	3,642.02	3/4	3,308.37	3/4	2,951.15
1		1		1		1	4,611.58	1	4,377.95	1	4,131.41	1	3,884.14	1	3,636.87	1	3,300.95	1	2,943.70
1/4		1/4		1/4		1/4	4,609.13	1/4	4,372.84	1/4	4,126.27	1/4	3,878.99	1/4	3,631.71	1/4	3,293.53	1/4	2,936.25
1/2		1/2		1/2		1/2	4,605.62	1/2	4,367.71	1/2	4,121.12	1/2	3,873.84	1/2	3,626.56	1/2	3,286.09	1/2	2,928.81
3/4		3/4		3/4		3/4	4,602.10	3/4	4,362.59	3/4	4,115.96	3/4	3,868.69	3/4	3,621.41	3/4	3,278.66	3/4	2,921.36
2		2		2		2	4,598.59	2	4,357.47	2	4,110.81	2	3,863.54	2	3,616.26	2	3,271.23	2	2,913.91
1/4		1/4		1/4		1/4	4,595.07	1/4	4,352.34	1/4	4,105.66	1/4	3,858.38	1/4	3,611.11	1/4	3,263.79	1/4	2,906.47
1/2		1/2		1/2		1/2	4,590.56	1/2	4,347.20	1/2	4,100.51	1/2	3,853.23	1/2	3,605.38	1/2	3,256.35	1/2	2,899.02
3/4		3/4		3/4		3/4	4,586.04	3/4	4,342.07	3/4	4,095.36	3/4	3,848.08	3/4	3,599.66	3/4	3,248.91	3/4	2,891.57
3		3		3		3	4,581.53	3	4,336.93	3	4,090.21	3	3,842.93	3	3,593.93	3	3,241.46	3	2,884.13
1/4		1/4		1/4		1/4	4,577.01	1/4	4,331.79	1/4	4,085.06	1/4	3,837.78	1/4	3,588.20	1/4	3,234.02	1/4	2,876.68
1/2		1/2		1/2		1/2	4,571.97	1/2	4,326.66	1/2	4,079.90	1/2	3,832.63	1/2	3,581.34	1/2	3,226.58	1/2	2,869.23
3/4		3/4		3/4		3/4	4,566.92	3/4	4,321.52	3/4	4,074.75	3/4	3,827.48	3/4	3,574.48	3/4	3,219.13	3/4	2,861.79
4		4		4		4	4,561.87	4	4,316.38	4	4,069.60	4	3,822.32	4	3,567.62	4	3,211.69	4	2,854.34
1/4		1/4		1/4		1/4	4,556.83	1/4	4,311.24	1/4	4,064.45	1/4	3,817.17	1/4	3,560.76	1/4	3,204.24	1/4	2,846.89
1/2		1/2		1/2		1/2	4,551.72	1/2	4,306.11	1/2	4,059.30	1/2	3,812.02	1/2	3,553.34	1/2	3,196.80	1/2	2,839.45
3/4		3/4		3/4		3/4	4,546.60	3/4	4,300.97	3/4	4,054.15	3/4	3,806.87	3/4	3,545.91	3/4	3,189.36	3/4	2,832.00
5		5		5		5	4,541.49	5	4,295.83	5	4,048.99	5	3,801.72	5	3,538.49	5	3,181.91	5	2,824.55
1/4		1/4		1/4		1/4	4,536.38	1/4	4,290.70	1/4	4,043.84	1/4	3,796.57	1/4	3,531.07	1/4	3,174.47	1/4	2,817.11
1/2		1/2		1/2		1/2	4,531.27	1/2	4,285.56	1/2	4,038.69	1/2	3,791.41	1/2	3,523.64	1/2	3,167.02	1/2	2,809.66
3/4		3/4		3/4		3/4	4,526.15	3/4	4,280.42	3/4	4,033.54	3/4	3,786.26	3/4	3,516.22	3/4	3,159.58	3/4	2,802.22
6		6		6		6	4,521.04	6	4,275.28	6	4,028.39	6	3,781.11	6	3,508.80	6	3,152.14	6	2,794.77
1/4		1/4		1/4		1/4	4,515.93	1/4	4,270.15	1/4	4,023.24	1/4	3,775.96	1/4	3,501.37	1/4	3,144.69	1/4	2,787.32
1/2		1/2		1/2		1/2	4,510.82	1/2	4,265.01	1/2	4,018.08	1/2	3,770.81	1/2	3,493.95	1/2	3,137.25	1/2	2,779.88
3/4		3/4		3/4		3/4	4,505.70	3/4	4,259.87	3/4	4,012.93	3/4	3,765.66	3/4	3,486.53	3/4	3,129.81	3/4	2,772.43
7		7		7		7	4,500.59	7	4,254.74	7	4,007.78	7	3,760.50	7	3,479.11	7	3,122.36	7	2,764.98
1/4		1/4		1/4		1/4	4,495.48	1/4	4,249.60	1/4	4,002.63	1/4	3,755.35	1/4	3,471.68	1/4	3,114.92	1/4	2,757.54
1/2		1/2		1/2		1/2	4,490.37	1/2	4,244.46	1/2	3,997.48	1/2	3,750.20	1/2	3,464.26	1/2	3,107.47	1/2	2,750.09
3/4		3/4		3/4		3/4	4,485.26	3/4	4,239.32	3/4	3,992.33	3/4	3,745.05	3/4	3,456.84	3/4	3,100.03	3/4	2,742.64
8		8		8		8	4,480.14	8	4,234.19	8	3,987.17	8	3,739.90	8	3,449.41	8	3,092.59	8	2,735.20
1/4		1/4		1/4		1/4	4,475.03	1/4	4,229.05	1/4	3,982.02	1/4	3,734.75	1/4	3,441.99	1/4	3,085.14	1/4	2,727.75
1/2		1/2		1/2		1/2	4,469.92	1/2	4,223.91	1/2	3,976.87	1/2	3,729.59	1/2	3,434.57	1/2	3,077.70	1/2	2,720.30
3/4		3/4		3/4		3/4	4,464.81	3/4	4,218.77	3/4	3,971.72	3/4	3,724.44	3/4	3,427.14	3/4	3,070.26	3/4	2,712.86
9		9		9		9	4,459.70	9	4,213.64	9	3,966.57	9	3,719.29	9	3,419.72	9	3,062.81	9	2,705.41
1/4		1/4		1/4		1/4	4,454.59	1/4	4,208.50	1/4	3,961.42	1/4	3,714.14	1/4	3,412.30	1/4	3,055.37	1/4	2,697.96
1/2		1/2		1/2		1/2	4,449.48	1/2	4,203.36	1/2	3,956.27	1/2	3,708.99	1/2	3,404.87	1/2	3,047.92	1/2	2,690.52
3/4		3/4		3/4		3/4	4,444.37	3/4	4,198.23	3/4	3,951.11	3/4	3,703.84	3/4	3,397.45	3/4	3,040.48	3/4	2,683.07
10		10		10		10	4,439.26	10	4,193.09	10	3,945.96	10	3,698.69	10	3,390.03	10	3,033.04	10	2,675.62
1/4		1/4		1/4		1/4	4,434.15	1/4	4,187.95	1/4	3,940.81	1/4	3,693.53	1/4	3,382.61	1/4	3,025.59	1/4	2,668.18
1/2		1/2		1/2		1/2	4,429.04	1/2	4,182.81	1/2	3,935.66	1/2	3,688.38	1/2	3,375.18	1/2	3,018.15	1/2	2,660.73
3/4		3/4		3/4		3/4	4,423.93	3/4	4,177.68	3/4	3,930.51	3/4	3,683.23	3/4	3,367.76	3/4	3,010.71	3/4	2,653.29
11		11		11		11	4,418.82	11	4,172.54	11	3,925.36	11	3,678.08	11	3,360.34	11	3,003.26	11	2,645.84
1/4		1/4		1/4		1/4	4,413.72	1/4	4,167.40	1/4	3,920.20	1/4	3,672.93	1/4	3,352.91	1/4	2,995.82	1/4	2,638.39
1/2		1/2		1/2		1/2	4,408.61	1/2	4,162.27	1/2	3,915.05	1/2	3,667.78	1/2	3,345.49	1/2	2,988.37	1/2	2,630.94
3/4		3/4		3/4		3/4	4,403.50	3/4	4,157.13	3/4	3,909.90	3/4	3,662.62	3/4	3,338.07	3/4	2,980.93	3/4	2,623.49

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-07" OFF CENTERLINE AND 41'-00" 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 "HTCO 3098"

3 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	2,616.04	0	2,258.26	0	1,900.49	0	1,542.71	0	1,184.93	0	827.70	0	469.94	0	112.17	0		0	
1/4	2,608.59	1/4	2,250.81	1/4	1,893.03	1/4	1,535.25	1/4	1,177.48	1/4	820.25	1/4	462.48	1/4	104.71	1/4		1/4	
1/2	2,601.13	1/2	2,243.36	1/2	1,885.58	1/2	1,527.80	1/2	1,170.02	1/2	812.80	1/2	455.03	1/2	97.26	1/2		1/2	
3/4	2,593.68	3/4	2,235.90	3/4	1,878.12	3/4	1,520.35	3/4	1,162.57	3/4	805.34	3/4	447.58	3/4	89.81	3/4		3/4	
1	2,586.23	1	2,228.45	1	1,870.67	1	1,512.89	1	1,155.12	1	797.89	1	440.12	1	82.35	1		1	
1/4	2,578.77	1/4	2,220.99	1/4	1,863.22	1/4	1,505.44	1/4	1,147.66	1/4	790.44	1/4	432.67	1/4	74.90	1/4		1/4	
1/2	2,571.32	1/2	2,213.54	1/2	1,855.76	1/2	1,497.99	1/2	1,140.21	1/2	782.98	1/2	425.21	1/2	67.91	1/2		1/2	
3/4	2,563.86	3/4	2,206.09	3/4	1,848.31	3/4	1,490.53	3/4	1,132.76	3/4	775.53	3/4	417.76	3/4	60.92	3/4		3/4	
2	2,556.41	2	2,198.63	2	1,840.86	2	1,483.08	2	1,125.31	2	768.08	2	410.31	2	53.94	2		2	
1/4	2,548.96	1/4	2,191.18	1/4	1,833.40	1/4	1,475.62	1/4	1,117.86	1/4	760.62	1/4	402.85	1/4	46.95	1/4		1/4	
1/2	2,541.50	1/2	2,183.73	1/2	1,825.95	1/2	1,468.17	1/2	1,110.42	1/2	753.17	1/2	395.40	1/2	41.36	1/2		1/2	
3/4	2,534.05	3/4	2,176.27	3/4	1,818.49	3/4	1,460.72	3/4	1,102.97	3/4	745.72	3/4	387.95	3/4	35.77	3/4		3/4	
3	2,526.60	3	2,168.82	3	1,811.04	3	1,453.26	3	1,095.53	3	738.26	3	380.49	3	30.18	3		3	
1/4	2,519.14	1/4	2,161.36	1/4	1,803.59	1/4	1,445.81	1/4	1,088.08	1/4	730.81	1/4	373.04	1/4	24.59	1/4		1/4	
1/2	2,511.69	1/2	2,153.91	1/2	1,796.13	1/2	1,438.36	1/2	1,080.64	1/2	723.35	1/2	365.59	1/2	20.86	1/2		1/2	
3/4	2,504.23	3/4	2,146.46	3/4	1,788.68	3/4	1,430.90	3/4	1,073.20	3/4	715.90	3/4	358.13	3/4		3/4		3/4	
4	2,496.78	4	2,139.00	4	1,781.23	4	1,423.45	4	1,065.75	4	708.45	4	350.68	4		4		4	
1/4	2,489.33	1/4	2,131.55	1/4	1,773.77	1/4	1,415.99	1/4	1,058.31	1/4	700.99	1/4	343.23	1/4		1/4		1/4	
1/2	2,481.87	1/2	2,124.10	1/2	1,766.32	1/2	1,408.54	1/2	1,050.87	1/2	693.54	1/2	335.77	1/2		1/2		1/2	
3/4	2,474.42	3/4	2,116.64	3/4	1,758.86	3/4	1,401.09	3/4	1,043.43	3/4	686.09	3/4	328.32	3/4		3/4		3/4	
5	2,466.97	5	2,109.19	5	1,751.41	5	1,393.63	5	1,036.00	5	678.63	5	320.87	5		5		5	
1/4	2,459.51	1/4	2,101.74	1/4	1,743.96	1/4	1,386.18	1/4	1,028.56	1/4	671.18	1/4	313.41	1/4		1/4		1/4	
1/2	2,452.06	1/2	2,094.28	1/2	1,736.50	1/2	1,378.73	1/2	1,021.12	1/2	663.73	1/2	305.96	1/2		1/2		1/2	
3/4	2,444.61	3/4	2,086.83	3/4	1,729.05	3/4	1,371.27	3/4	1,013.68	3/4	656.27	3/4	298.51	3/4		3/4		3/4	
6	2,437.15	6	2,079.37	6	1,721.60	6	1,363.82	6	1,006.24	6	648.82	6	291.05	6		6		6	
1/4	2,429.70	1/4	2,071.92	1/4	1,714.14	1/4	1,356.37	1/4	998.80	1/4	641.37	1/4	283.60	1/4		1/4		1/4	
1/2	2,422.24	1/2	2,064.47	1/2	1,706.69	1/2	1,348.91	1/2	991.37	1/2	633.91	1/2	276.14	1/2		1/2		1/2	
3/4	2,414.79	3/4	2,057.01	3/4	1,699.24	3/4	1,341.46	3/4	983.93	3/4	626.46	3/4	268.69	3/4		3/4		3/4	
7	2,407.34	7	2,049.56	7	1,691.78	7	1,334.00	7	976.49	7	619.01	7	261.24	7		7		7	
1/4	2,399.88	1/4	2,042.11	1/4	1,684.33	1/4	1,326.55	1/4	969.05	1/4	611.55	1/4	253.78	1/4		1/4		1/4	
1/2	2,392.43	1/2	2,034.65	1/2	1,676.87	1/2	1,319.10	1/2	961.61	1/2	604.10	1/2	246.33	1/2		1/2		1/2	
3/4	2,384.98	3/4	2,027.20	3/4	1,669.42	3/4	1,311.64	3/4	954.17	3/4	596.65	3/4	238.88	3/4		3/4		3/4	
8	2,377.52	8	2,019.74	8	1,661.97	8	1,304.19	8	946.73	8	589.19	8	231.42	8		8		8	
1/4	2,370.07	1/4	2,012.29	1/4	1,654.51	1/4	1,296.74	1/4	939.30	1/4	581.74	1/4	223.97	1/4		1/4		1/4	
1/2	2,362.61	1/2	2,004.84	1/2	1,647.06	1/2	1,289.28	1/2	931.86	1/2	574.28	1/2	216.52	1/2		1/2		1/2	
3/4	2,355.16	3/4	1,997.38	3/4	1,639.61	3/4	1,281.83	3/4	924.42	3/4	566.83	3/4	209.06	3/4		3/4		3/4	
9	2,347.71	9	1,989.93	9	1,632.15	9	1,274.37	9	916.98	9	559.38	9	201.61	9		9		9	
1/4	2,340.25	1/4	1,982.48	1/4	1,624.70	1/4	1,266.92	1/4	909.54	1/4	551.92	1/4	194.16	1/4		1/4		1/4	
1/2	2,332.80	1/2	1,975.02	1/2	1,617.24	1/2	1,259.47	1/2	902.10	1/2	544.47	1/2	186.70	1/2		1/2		1/2	
3/4	2,325.35	3/4	1,967.57	3/4	1,609.79	3/4	1,252.01	3/4	894.66	3/4	537.02	3/4	179.25	3/4		3/4		3/4	
10	2,317.89	10	1,960.11	10	1,602.34	10	1,244.56	10	887.23	10	529.56	10	171.80	10		10		10	
1/4	2,310.44	1/4	1,952.66	1/4	1,594.88	1/4	1,237.11	1/4	879.79	1/4	522.11	1/4	164.34	1/4		1/4		1/4	
1/2	2,302.98	1/2	1,945.21	1/2	1,587.43	1/2	1,229.65	1/2	872.35	1/2	514.66	1/2	156.89	1/2		1/2		1/2	
3/4	2,295.53	3/4	1,937.75	3/4	1,579.98	3/4	1,222.20	3/4	864.91	3/4	507.20	3/4	149.44	3/4		3/4		3/4	
11	2,288.08	11	1,930.30	11	1,572.52	11	1,214.74	11	857.47	11	499.75	11	141.98	11		11		11	
1/4	2,280.62	1/4	1,922.85	1/4	1,565.07	1/4	1,207.29	1/4	850.03	1/4	492.30	1/4	134.53	1/4		1/4		1/4	
1/2	2,273.17	1/2	1,915.39	1/2	1,557.61	1/2	1,199.84	1/2	842.59	1/2	484.84	1/2	127.07	1/2		1/2		1/2	
3/4	2,265.72	3/4	1,907.94	3/4	1,550.16	3/4	1,192.38	3/4	835.14	3/4	477.39	3/4	119.62	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/15/2013 CL
RECALCULATED: 08/14/2018 CL
VERIFIED: 10/25/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

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



BARGE "HTCO 3098"

AFT SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-08"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	0	0	0	1,646	0	1,197	0	748	0	299	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1,637	1/4	1,188	1/4	739	1/4	290	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1,627	1/2	1,178	1/2	730	1/2	281	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	1,618	3/4	1,169	3/4	720	3/4	271	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1,608	1	1,160	1	711	1	262	1	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1,599	1/4	1,150	1/4	701	1/4	253	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1,590	1/2	1,141	1/2	692	1/2	243	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	1,580	3/4	1,132	3/4	683	3/4	234	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2,020	2	1,571	2	1,122	2	673	2	225	2	2	2	2	2	2	2	2
1/4	1/4	1/4	2,011	1/4	1,562	1/4	1,113	1/4	664	1/4	215	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	2,001	1/2	1,552	1/2	1,104	1/2	655	1/2	206	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	1,992	3/4	1,543	3/4	1,094	3/4	645	3/4	197	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	1,982	3	1,534	3	1,085	3	636	3	187	3	3	3	3	3	3	3	3
1/4	1/4	1/4	1,973	1/4	1,524	1/4	1,075	1/4	627	1/4	178	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1,964	1/2	1,515	1/2	1,066	1/2	617	1/2	168	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	1,954	3/4	1,506	3/4	1,057	3/4	608	3/4	159	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	1,945	4	1,496	4	1,047	4	599	4	150	4	4	4	4	4	4	4	4
1/4	1/4	1/4	1,936	1/4	1,487	1/4	1,038	1/4	589	1/4	140	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1,926	1/2	1,478	1/2	1,029	1/2	580	1/2	131	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	1,917	3/4	1,468	3/4	1,019	3/4	571	3/4	122	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	1,908	5	1,459	5	1,010	5	561	5	112	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1,898	1/4	1,450	1/4	1,001	1/4	552	1/4	103	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1,889	1/2	1,440	1/2	991	1/2	542	1/2	94	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	1,880	3/4	1,431	3/4	982	3/4	533	3/4	84	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	1,870	6	1,421	6	973	6	524	6	75	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1,861	1/4	1,412	1/4	963	1/4	514	1/4	65	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1,852	1/2	1,403	1/2	954	1/2	505	1/2	56	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	1,842	3/4	1,393	3/4	945	3/4	496	3/4	47	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	1,833	7	1,384	7	935	7	486	7	37	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1,824	1/4	1,375	1/4	926	1/4	477	1/4	28	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1,814	1/2	1,365	1/2	917	1/2	468	1/2	19	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	1,805	3/4	1,356	3/4	907	3/4	458	3/4	9	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	1,795	8	1,347	8	898	8	449	8	0	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1,786	1/4	1,337	1/4	888	1/4	440	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1,777	1/2	1,328	1/2	879	1/2	430	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	1,767	3/4	1,319	3/4	870	3/4	421	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	1,758	9	1,309	9	860	9	412	9	9	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1,749	1/4	1,300	1/4	851	1/4	402	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1,739	1/2	1,291	1/2	842	1/2	393	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	1,730	3/4	1,281	3/4	832	3/4	384	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	1,721	10	1,272	10	823	10	374	10	10	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1,711	1/4	1,262	1/4	814	1/4	365	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1,702	1/2	1,253	1/2	804	1/2	355	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	1,693	3/4	1,244	3/4	795	3/4	346	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	1,683	11	1,234	11	786	11	337	11	11	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1,674	1/4	1,225	1/4	776	1/4	327	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1,665	1/2	1,216	1/2	767	1/2	318	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	1,655	3/4	1,206	3/4	758	3/4	309	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

STRAPPED: 07/15/2013 CL
 CALCULATED: 07/15/2013 CL
 VERIFIED: 10/25/2023

CANCELS AND SUPERCEDES
 ALL PRIOR TO 10/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "HTCO 3098"

FWD SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-08"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	1,646	0	1,197	0	748	0	299	0		0		0		0	
1/4	1/4	1/4	1/4	1/4	1,637	1/4	1,188	1/4	739	1/4	290	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1,627	1/2	1,178	1/2	730	1/2	281	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	1,618	3/4	1,169	3/4	720	3/4	271	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1,608	1	1,160	1	711	1	262	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	1,599	1/4	1,150	1/4	701	1/4	253	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1,590	1/2	1,141	1/2	692	1/2	243	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	1,580	3/4	1,132	3/4	683	3/4	234	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2,020	2	1,571	2	1,122	2	673	2	225	2	2	2	2	2	2	2	2
1/4	1/4	1/4	2,011	1/4	1,562	1/4	1,113	1/4	664	1/4	215	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	2,001	1/2	1,552	1/2	1,104	1/2	655	1/2	206	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	1,992	3/4	1,543	3/4	1,094	3/4	645	3/4	197	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	1,982	3	1,534	3	1,085	3	636	3	187	3	3	3	3	3	3	3	3
1/4	1/4	1/4	1,973	1/4	1,524	1/4	1,075	1/4	627	1/4	178	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1,964	1/2	1,515	1/2	1,066	1/2	617	1/2	168	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	1,954	3/4	1,506	3/4	1,057	3/4	608	3/4	159	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	1,945	4	1,496	4	1,047	4	599	4	150	4	4	4	4	4	4	4	4
1/4	1/4	1/4	1,936	1/4	1,487	1/4	1,038	1/4	589	1/4	140	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1,926	1/2	1,478	1/2	1,029	1/2	580	1/2	131	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	1,917	3/4	1,468	3/4	1,019	3/4	571	3/4	122	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	1,908	5	1,459	5	1,010	5	561	5	112	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1,898	1/4	1,450	1/4	1,001	1/4	552	1/4	103	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1,889	1/2	1,440	1/2	991	1/2	542	1/2	94	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	1,880	3/4	1,431	3/4	982	3/4	533	3/4	84	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	1,870	6	1,421	6	973	6	524	6	75	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1,861	1/4	1,412	1/4	963	1/4	514	1/4	65	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1,852	1/2	1,403	1/2	954	1/2	505	1/2	56	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	1,842	3/4	1,393	3/4	945	3/4	496	3/4	47	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	1,833	7	1,384	7	935	7	486	7	37	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1,824	1/4	1,375	1/4	926	1/4	477	1/4	28	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1,814	1/2	1,365	1/2	917	1/2	468	1/2	19	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	1,805	3/4	1,356	3/4	907	3/4	458	3/4	9	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	1,795	8	1,347	8	898	8	449	8	0	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1,786	1/4	1,337	1/4	888	1/4	440	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1,777	1/2	1,328	1/2	879	1/2	430	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	1,767	3/4	1,319	3/4	870	3/4	421	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	1,758	9	1,309	9	860	9	412	9	9	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1,749	1/4	1,300	1/4	851	1/4	402	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1,739	1/2	1,291	1/2	842	1/2	393	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	1,730	3/4	1,281	3/4	832	3/4	384	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	1,721	10	1,272	10	823	10	374	10	10	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1,711	1/4	1,262	1/4	814	1/4	365	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1,702	1/2	1,253	1/2	804	1/2	355	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	1,693	3/4	1,244	3/4	795	3/4	346	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	1,683	11	1,234	11	786	11	337	11	11	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1,674	1/4	1,225	1/4	776	1/4	327	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1,665	1/2	1,216	1/2	767	1/2	318	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	1,655	3/4	1,206	3/4	758	3/4	309	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

STRAPPED: 07/15/2013 CL
 CALCULATED: 07/15/2013 CL
 VERIFIED: 10/25/2023

CANCELS AND SUPERCEDES
 ALL PRIOR TO 10/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "HTCO 3098"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 3'-11 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	120	0	298	0	456	0		0		0		0		0		0	
1/4	1	1/4	123	1/4	302	1/4	459	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2	1/2	127	1/2	305	1/2	461	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3	3/4	130	3/4	309	3/4	463	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3	1	134	1	313	1	466	1	1	1	1	1	1	1	1	1	1	1	1
1/4	5	1/4	137	1/4	316	1/4	468	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	6	1/2	141	1/2	320	1/2	470	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	8	3/4	144	3/4	324	3/4	472	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	9	2	148	2	327	2	475	2	2	2	2	2	2	2	2	2	2	2	2
1/4	11	1/4	152	1/4	331	1/4	477	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	13	1/2	155	1/2	335	1/2	478	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	15	3/4	159	3/4	338	3/4	480	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	16	3	162	3	342	3	482	3	3	3	3	3	3	3	3	3	3	3	3
1/4	19	1/4	166	1/4	346	1/4	484	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	21	1/2	170	1/2	349	1/2	485	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	23	3/4	173	3/4	353	3/4	487	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	25	4	177	4	356	4	488	4	4	4	4	4	4	4	4	4	4	4	4
1/4	27	1/4	181	1/4	360	1/4	489	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	30	1/2	185	1/2	363	1/2	490	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	32	3/4	188	3/4	367	3/4	491	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	35	5	192	5	370	5	492	5	5	5	5	5	5	5	5	5	5	5	5
1/4	37	1/4	196	1/4	374	1/4	493	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	40	1/2	200	1/2	377	1/2	493	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	42	3/4	203	3/4	381	3/4	493	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	45	6	207	6	384	6	493	6	6	6	6	6	6	6	6	6	6	6	6
1/4	48	1/4	211	1/4	387	1/4	493	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	51	1/2	215	1/2	391	1/2	493	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	53	3/4	218	3/4	394	3/4	493	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	56	7	222	7	397	7	493	7	7	7	7	7	7	7	7	7	7	7	7
1/4	59	1/4	226	1/4	401	1/4	493	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	62	1/2	230	1/2	404	1/2	493	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	65	3/4	234	3/4	407	3/4	493	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	68	8	237	8	410	8	493	8	8	8	8	8	8	8	8	8	8	8	8
1/4	71	1/4	241	1/4	413	1/4	493	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74	1/2	245	1/2	416	1/2	493	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77	3/4	249	3/4	420	3/4	493	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	80	9	252	9	423	9	493	9	9	9	9	9	9	9	9	9	9	9	9
1/4	83	1/4	256	1/4	426	1/4	493	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	87	1/2	260	1/2	429	1/2	493	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	90	3/4	264	3/4	432	3/4	493	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	93	10	268	10	434	10	493	10	10	10	10	10	10	10	10	10	10	10	10
1/4	96	1/4	271	1/4	437	1/4	493	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	100	1/2	275	1/2	440	1/2	493	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	103	3/4	279	3/4	443	3/4	493	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	106	11	283	11	446	11	493	11	11	11	11	11	11	11	11	11	11	11	11
1/4	110	1/4	287	1/4	448	1/4	493	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	113	1/2	290	1/2	451	1/2	493	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	116	3/4	294	3/4	454	3/4	493	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE.

STRAPPED: 07/15/2013 CL
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