



# BARGE "HTCO 3097"

## 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	- 00-1/4	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
1 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
2 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
2 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
3 PORT	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4
3 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4

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

LENGTH BETWEEN DRAFT MARKS: 237'-09"

May 17, 2023

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

<http://www.pmacorp.net>



# BARGE "HTCO 3097"

## 1 PORT ULLAGE TABLE

### HERMETIC

GAUGE HEIGHT 17'-02 3/4"

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	5,011.41	0	4,675.11	0	4,318.01	0	3,959.75	0	3,601.47	0	3,243.19	0	2,884.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,011.41	1/4	4,667.70	1/4	4,310.56	1/4	3,952.29	1/4	3,594.01	1/4	3,235.73	1/4	2,877.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,006.67	1/2	4,660.30	1/2	4,303.11	1/2	3,944.83	1/2	3,586.54	1/2	3,228.26	1/2	2,869.96
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,000.86	3/4	4,652.88	3/4	4,295.64	3/4	3,937.36	3/4	3,579.08	3/4	3,220.80	3/4	2,862.49
1	1	1	1	1	1	1	4,995.06	1	4,645.46	1	4,288.18	1	3,929.90	1	3,571.62	1	3,213.33	1	2,855.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,989.25	1/4	4,638.03	1/4	4,280.71	1/4	3,922.43	1/4	3,564.15	1/4	3,205.87	1/4	2,847.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,983.45	1/2	4,630.61	1/2	4,273.25	1/2	3,914.97	1/2	3,556.69	1/2	3,198.41	1/2	2,840.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,976.64	3/4	4,623.17	3/4	4,265.79	3/4	3,907.50	3/4	3,549.22	3/4	3,190.94	3/4	2,832.62
2	2	2	2	2	2	2	4,969.83	2	4,615.73	2	4,258.32	2	3,900.04	2	3,541.76	2	3,183.48	2	2,825.15
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,963.02	1/4	4,608.28	1/4	4,250.86	1/4	3,892.58	1/4	3,534.29	1/4	3,176.01	1/4	2,817.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,956.22	1/2	4,600.84	1/2	4,243.39	1/2	3,885.11	1/2	3,526.83	1/2	3,168.55	1/2	2,810.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,948.87	3/4	4,593.40	3/4	4,235.93	3/4	3,877.65	3/4	3,519.37	3/4	3,161.08	3/4	2,802.74
3	3	3	3	3	3	3	4,941.53	3	4,585.96	3	4,228.47	3	3,870.18	3	3,511.90	3	3,153.62	3	2,795.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,934.19	1/4	4,578.51	1/4	4,221.00	1/4	3,862.72	1/4	3,504.44	1/4	3,146.16	1/4	2,787.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,926.85	1/2	4,571.07	1/2	4,213.54	1/2	3,855.26	1/2	3,496.97	1/2	3,138.69	1/2	2,780.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,919.44	3/4	4,563.63	3/4	4,206.07	3/4	3,847.79	3/4	3,489.51	3/4	3,131.23	3/4	2,772.87
4	4	4	4	4	4	4	4,912.04	4	4,556.19	4	4,198.61	4	3,840.33	4	3,482.05	4	3,123.76	4	2,765.40
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,904.63	1/4	4,548.74	1/4	4,191.14	1/4	3,832.86	1/4	3,474.58	1/4	3,116.30	1/4	2,757.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,897.23	1/2	4,541.30	1/2	4,183.68	1/2	3,825.40	1/2	3,467.12	1/2	3,108.84	1/2	2,750.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,889.82	3/4	4,533.86	3/4	4,176.22	3/4	3,817.93	3/4	3,459.65	3/4	3,101.37	3/4	2,743.00
5	5	5	5	5	5	5	4,882.41	5	4,526.42	5	4,168.75	5	3,810.47	5	3,452.19	5	3,093.91	5	2,735.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,875.01	1/4	4,518.97	1/4	4,161.29	1/4	3,803.01	1/4	3,444.72	1/4	3,086.44	1/4	2,728.06
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,867.60	1/2	4,511.53	1/2	4,153.82	1/2	3,795.54	1/2	3,437.26	1/2	3,078.98	1/2	2,720.59
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,860.19	3/4	4,504.09	3/4	4,146.36	3/4	3,788.08	3/4	3,429.80	3/4	3,071.51	3/4	2,713.13
6	6	6	6	6	6	6	4,852.79	6	4,496.65	6	4,138.89	6	3,780.61	6	3,422.33	6	3,064.05	6	2,705.66
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,845.38	1/4	4,489.21	1/4	4,131.43	1/4	3,773.15	1/4	3,414.87	1/4	3,056.59	1/4	2,698.19
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,837.97	1/2	4,481.76	1/2	4,123.97	1/2	3,765.68	1/2	3,407.40	1/2	3,049.12	1/2	2,690.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,830.57	3/4	4,474.32	3/4	4,116.50	3/4	3,758.22	3/4	3,399.94	3/4	3,041.66	3/4	2,683.25
7	7	7	7	7	7	7	4,823.16	7	4,466.88	7	4,109.04	7	3,750.76	7	3,392.47	7	3,034.19	7	2,675.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,815.76	1/4	4,459.44	1/4	4,101.57	1/4	3,743.29	1/4	3,385.01	1/4	3,026.73	1/4	2,668.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,808.35	1/2	4,451.99	1/2	4,094.11	1/2	3,735.83	1/2	3,377.55	1/2	3,019.27	1/2	2,660.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,800.95	3/4	4,444.55	3/4	4,086.65	3/4	3,728.36	3/4	3,370.08	3/4	3,011.80	3/4	2,653.38
8	8	8	8	8	8	8	4,793.55	8	4,437.11	8	4,079.18	8	3,720.90	8	3,362.62	8	3,004.34	8	2,645.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,786.15	1/4	4,429.67	1/4	4,071.72	1/4	3,713.44	1/4	3,355.15	1/4	2,996.87	1/4	2,638.44
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,778.74	1/2	4,422.22	1/2	4,064.25	1/2	3,705.97	1/2	3,347.69	1/2	2,989.41	1/2	2,630.98
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,771.34	3/4	4,414.78	3/4	4,056.79	3/4	3,698.51	3/4	3,340.23	3/4	2,981.94	3/4	2,623.51
9	9	9	9	9	9	9	4,763.94	9	4,407.34	9	4,049.32	9	3,691.04	9	3,332.76	9	2,974.48	9	2,616.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,756.54	1/4	4,399.90	1/4	4,041.86	1/4	3,683.58	1/4	3,325.30	1/4	2,967.02	1/4	2,608.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,749.13	1/2	4,392.45	1/2	4,034.40	1/2	3,676.11	1/2	3,317.83	1/2	2,959.55	1/2	2,601.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,741.73	3/4	4,385.01	3/4	4,026.93	3/4	3,668.65	3/4	3,310.37	3/4	2,952.09	3/4	2,593.63
10	10	10	10	10	10	10	4,734.33	10	4,377.57	10	4,019.47	10	3,661.19	10	3,302.90	10	2,944.62	10	2,586.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,726.92	1/4	4,370.13	1/4	4,012.00	1/4	3,653.72	1/4	3,295.44	1/4	2,937.16	1/4	2,578.70
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,719.52	1/2	4,362.68	1/2	4,004.54	1/2	3,646.26	1/2	3,287.98	1/2	2,929.69	1/2	2,571.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,712.12	3/4	4,355.24	3/4	3,997.08	3/4	3,638.79	3/4	3,280.51	3/4	2,922.23	3/4	2,563.76
11	11	11	11	11	11	11	4,704.72	11	4,347.80	11	3,989.61	11	3,631.33	11	3,273.05	11	2,914.76	11	2,556.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,697.31	1/4	4,340.36	1/4	3,982.15	1/4	3,623.87	1/4	3,265.58	1/4	2,907.30	1/4	2,548.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,689.91	1/2	4,332.91	1/2	3,974.68	1/2	3,616.40	1/2	3,258.12	1/2	2,899.83	1/2	2,541.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,682.51	3/4	4,325.46	3/4	3,967.22	3/4	3,608.94	3/4	3,250.66	3/4	2,892.36	3/4	2,533.89

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

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# BARGE "HTCO 3097"

## 1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-02 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	2,526.42	0	2,167.95	0	1,809.47	0	1,451.00	0	1,092.64	0	736.27	0	383.80	0	71.38	0		0	
1/4	2,518.95	1/4	2,160.48	1/4	1,802.00	1/4	1,443.53	1/4	1,085.21	1/4	728.81	1/4	376.82	1/4	65.34	1/4		1/4	
1/2	2,511.48	1/2	2,153.01	1/2	1,794.54	1/2	1,436.06	1/2	1,077.77	1/2	721.34	1/2	369.84	1/2	59.31	1/2		1/2	
3/4	2,504.02	3/4	2,145.54	3/4	1,787.07	3/4	1,428.59	3/4	1,070.34	3/4	713.87	3/4	362.94	3/4	53.82	3/4		3/4	
1	2,496.55	1	2,138.07	1	1,779.60	1	1,421.13	1	1,062.90	1	706.40	1	356.04	1	48.34	1		1	
1/4	2,489.08	1/4	2,130.61	1/4	1,772.13	1/4	1,413.66	1/4	1,055.47	1/4	698.93	1/4	349.14	1/4	42.86	1/4		1/4	
1/2	2,481.61	1/2	2,123.14	1/2	1,764.66	1/2	1,406.19	1/2	1,048.04	1/2	691.47	1/2	342.23	1/2	37.37	1/2		1/2	
3/4	2,474.14	3/4	2,115.67	3/4	1,757.20	3/4	1,398.72	3/4	1,040.62	3/4	684.00	3/4	335.40	3/4	33.37	3/4		3/4	
2	2,466.67	2	2,108.20	2	1,749.73	2	1,391.25	2	1,033.19	2	676.53	2	328.57	2	29.37	2		2	
1/4	2,459.21	1/4	2,100.73	1/4	1,742.26	1/4	1,383.79	1/4	1,025.77	1/4	669.06	1/4	321.74	1/4	25.36	1/4		1/4	
1/2	2,451.74	1/2	2,093.26	1/2	1,734.79	1/2	1,376.32	1/2	1,018.34	1/2	661.59	1/2	314.91	1/2	21.36	1/2		1/2	
3/4	2,444.27	3/4	2,085.80	3/4	1,727.32	3/4	1,368.85	3/4	1,010.92	3/4	654.13	3/4	308.16	3/4	18.44	3/4		3/4	
3	2,436.80	3	2,078.33	3	1,719.85	3	1,361.38	3	1,003.50	3	646.66	3	301.42	3		3		3	
1/4	2,429.33	1/4	2,070.86	1/4	1,712.39	1/4	1,353.91	1/4	996.08	1/4	639.19	1/4	294.67	1/4		1/4		1/4	
1/2	2,421.87	1/2	2,063.39	1/2	1,704.92	1/2	1,346.44	1/2	988.66	1/2	631.72	1/2	287.92	1/2		1/2		1/2	
3/4	2,414.40	3/4	2,055.92	3/4	1,697.45	3/4	1,338.98	3/4	981.24	3/4	624.25	3/4	281.25	3/4		3/4		3/4	
4	2,406.93	4	2,048.46	4	1,689.98	4	1,331.51	4	973.83	4	616.79	4	274.58	4		4		4	
1/4	2,399.46	1/4	2,040.99	1/4	1,682.51	1/4	1,324.04	1/4	966.41	1/4	609.32	1/4	267.91	1/4		1/4		1/4	
1/2	2,391.99	1/2	2,033.52	1/2	1,675.05	1/2	1,316.57	1/2	958.99	1/2	601.85	1/2	261.24	1/2		1/2		1/2	
3/4	2,384.52	3/4	2,026.05	3/4	1,667.58	3/4	1,309.10	3/4	951.57	3/4	594.38	3/4	254.66	3/4		3/4		3/4	
5	2,377.06	5	2,018.58	5	1,660.11	5	1,301.64	5	944.16	5	586.91	5	248.07	5		5		5	
1/4	2,369.59	1/4	2,011.11	1/4	1,652.64	1/4	1,294.17	1/4	936.74	1/4	579.45	1/4	241.48	1/4		1/4		1/4	
1/2	2,362.12	1/2	2,003.65	1/2	1,645.17	1/2	1,286.70	1/2	929.32	1/2	571.98	1/2	234.90	1/2		1/2		1/2	
3/4	2,354.65	3/4	1,996.18	3/4	1,637.70	3/4	1,279.23	3/4	921.91	3/4	564.53	3/4	228.39	3/4		3/4		3/4	
6	2,347.18	6	1,988.71	6	1,630.24	6	1,271.76	6	914.49	6	557.09	6	221.88	6		6		6	
1/4	2,339.72	1/4	1,981.24	1/4	1,622.77	1/4	1,264.29	1/4	907.07	1/4	549.64	1/4	215.38	1/4		1/4		1/4	
1/2	2,332.25	1/2	1,973.77	1/2	1,615.30	1/2	1,256.83	1/2	899.65	1/2	542.19	1/2	208.87	1/2		1/2		1/2	
3/4	2,324.78	3/4	1,966.31	3/4	1,607.83	3/4	1,249.36	3/4	892.24	3/4	534.81	3/4	202.45	3/4		3/4		3/4	
7	2,317.31	7	1,958.84	7	1,600.36	7	1,241.89	7	884.82	7	527.43	7	196.03	7		7		7	
1/4	2,309.84	1/4	1,951.37	1/4	1,592.90	1/4	1,234.42	1/4	877.40	1/4	520.04	1/4	189.60	1/4		1/4		1/4	
1/2	2,302.37	1/2	1,943.90	1/2	1,585.43	1/2	1,226.95	1/2	869.99	1/2	512.66	1/2	183.18	1/2		1/2		1/2	
3/4	2,294.91	3/4	1,936.43	3/4	1,577.96	3/4	1,219.49	3/4	862.57	3/4	505.36	3/4	176.83	3/4		3/4		3/4	
8	2,287.44	8	1,928.96	8	1,570.49	8	1,212.02	8	855.15	8	498.05	8	170.48	8		8		8	
1/4	2,279.97	1/4	1,921.50	1/4	1,563.02	1/4	1,204.55	1/4	847.73	1/4	490.75	1/4	164.13	1/4		1/4		1/4	
1/2	2,272.50	1/2	1,914.03	1/2	1,555.55	1/2	1,197.08	1/2	840.32	1/2	483.45	1/2	157.78	1/2		1/2		1/2	
3/4	2,265.03	3/4	1,906.56	3/4	1,548.09	3/4	1,189.61	3/4	832.90	3/4	476.22	3/4	151.51	3/4		3/4		3/4	
9	2,257.57	9	1,899.09	9	1,540.62	9	1,182.14	9	825.48	9	469.00	9	145.23	9		9		9	
1/4	2,250.10	1/4	1,891.62	1/4	1,533.15	1/4	1,174.68	1/4	818.06	1/4	461.78	1/4	138.96	1/4		1/4		1/4	
1/2	2,242.63	1/2	1,884.16	1/2	1,525.68	1/2	1,167.21	1/2	810.65	1/2	454.56	1/2	132.68	1/2		1/2		1/2	
3/4	2,235.16	3/4	1,876.69	3/4	1,518.21	3/4	1,159.74	3/4	803.23	3/4	447.42	3/4	126.49	3/4		3/4		3/4	
10	2,227.69	10	1,869.22	10	1,510.75	10	1,152.27	10	795.81	10	440.28	10	120.29	10		10		10	
1/4	2,220.22	1/4	1,861.75	1/4	1,503.28	1/4	1,144.80	1/4	788.40	1/4	433.13	1/4	114.09	1/4		1/4		1/4	
1/2	2,212.76	1/2	1,854.28	1/2	1,495.81	1/2	1,137.34	1/2	780.98	1/2	425.99	1/2	107.90	1/2		1/2		1/2	
3/4	2,205.29	3/4	1,846.81	3/4	1,488.34	3/4	1,129.88	3/4	773.54	3/4	418.93	3/4	101.79	3/4		3/4		3/4	
11	2,197.82	11	1,839.35	11	1,480.87	11	1,122.43	11	766.09	11	411.87	11	95.67	11		11		11	
1/4	2,190.35	1/4	1,831.88	1/4	1,473.40	1/4	1,114.97	1/4	758.65	1/4	404.81	1/4	89.56	1/4		1/4		1/4	
1/2	2,182.88	1/2	1,824.41	1/2	1,465.94	1/2	1,107.52	1/2	751.21	1/2	397.76	1/2	83.44	1/2		1/2		1/2	
3/4	2,175.41	3/4	1,816.94	3/4	1,458.47	3/4	1,100.08	3/4	743.74	3/4	390.78	3/4	77.41	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/16/2013 CL - SW  
RECALCULATED: 06/08/2018 CL  
VERIFIED: 05/17/2023 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2023

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



# BARGE "HTCO 3097"

## 1 STBD ULLAGE TABLE

### HERMETIC

GAUGE HEIGHT 17'-02 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	5,008.32	0	4,661.97	0	4,304.77	0	3,946.49	0	3,588.22	0	3,229.95	0	2,871.66		
1/4		1/4		1/4		1/4	5,002.51	1/4	4,654.55	1/4	4,297.30	1/4	3,939.03	1/4	3,580.76	1/4	3,222.49	1/4	2,864.19		
1/2		1/2		1/2		1/2	4,996.71	1/2	4,647.12	1/2	4,289.84	1/2	3,931.57	1/2	3,573.29	1/2	3,215.02	1/2	2,856.72		
3/4		3/4		3/4		3/4	4,990.90	3/4	4,639.70	3/4	4,282.37	3/4	3,924.10	3/4	3,565.83	3/4	3,207.56	3/4	2,849.25		
1		1		1		1	4,985.10	1	4,632.28	1	4,274.91	1	3,916.64	1	3,558.37	1	3,200.09	1	2,841.79		
1/4		1/4		1/4		1/4	4,978.29	1/4	4,624.84	1/4	4,267.45	1/4	3,909.17	1/4	3,550.90	1/4	3,192.63	1/4	2,834.32		
1/2		1/2		1/2		1/2	4,971.48	1/2	4,617.39	1/2	4,259.98	1/2	3,901.71	1/2	3,543.44	1/2	3,185.17	1/2	2,826.85		
3/4		3/4		3/4		3/4	4,964.68	3/4	4,609.95	3/4	4,252.52	3/4	3,894.25	3/4	3,535.97	3/4	3,177.70	3/4	2,819.38		
2		2		2		2	4,957.87	2	4,602.51	2	4,245.05	2	3,886.78	2	3,528.51	2	3,170.24	2	2,811.91		
1/4		1/4		1/4		1/4	4,950.53	1/4	4,595.07	1/4	4,237.59	1/4	3,879.32	1/4	3,521.05	1/4	3,162.77	1/4	2,804.45		
1/2		1/2		1/2		1/2	4,943.20	1/2	4,587.62	1/2	4,230.13	1/2	3,871.85	1/2	3,513.58	1/2	3,155.31	1/2	2,796.98		
3/4		3/4		3/4		3/4	4,935.86	3/4	4,580.18	3/4	4,222.66	3/4	3,864.39	3/4	3,506.12	3/4	3,147.85	3/4	2,789.51		
3		3		3		3	4,928.52	3	4,572.74	3	4,215.20	3	3,856.93	3	3,498.65	3	3,140.38	3	2,782.04		
1/4		1/4		1/4		1/4	4,921.11	1/4	4,565.30	1/4	4,207.73	1/4	3,849.46	1/4	3,491.19	1/4	3,132.92	1/4	2,774.57		
1/2		1/2		1/2		1/2	4,913.70	1/2	4,557.86	1/2	4,200.27	1/2	3,842.00	1/2	3,483.73	1/2	3,125.45	1/2	2,767.11		
3/4		3/4		3/4		3/4	4,906.30	3/4	4,550.41	3/4	4,192.81	3/4	3,834.53	3/4	3,476.26	3/4	3,117.99	3/4	2,759.64		
4		4		4		4	4,898.89	4	4,542.97	4	4,185.34	4	3,827.07	4	3,468.80	4	3,110.53	4	2,752.17		
1/4		1/4		1/4		1/4	4,891.48	1/4	4,535.53	1/4	4,177.88	1/4	3,819.61	1/4	3,461.33	1/4	3,103.06	1/4	2,744.70		
1/2		1/2		1/2		1/2	4,884.08	1/2	4,528.09	1/2	4,170.41	1/2	3,812.14	1/2	3,453.87	1/2	3,095.60	1/2	2,737.23		
3/4		3/4		3/4		3/4	4,876.67	3/4	4,520.64	3/4	4,162.95	3/4	3,804.68	3/4	3,446.41	3/4	3,088.13	3/4	2,729.76		
5		5		5		5	4,869.26	5	4,513.20	5	4,155.49	5	3,797.21	5	3,438.94	5	3,080.67	5	2,722.30		
1/4		1/4		1/4		1/4	4,861.86	1/4	4,505.76	1/4	4,148.02	1/4	3,789.75	1/4	3,431.48	1/4	3,073.21	1/4	2,714.83		
1/2		1/2		1/2		1/2	4,854.45	1/2	4,498.32	1/2	4,140.56	1/2	3,782.29	1/2	3,424.01	1/2	3,065.74	1/2	2,707.36		
3/4		3/4		3/4		3/4	4,847.04	3/4	4,490.87	3/4	4,133.09	3/4	3,774.82	3/4	3,416.55	3/4	3,058.28	3/4	2,699.89		
6		6		6		6	4,839.64	6	4,483.43	6	4,125.63	6	3,767.36	6	3,409.09	6	3,050.81	6	2,692.42		
1/4		1/4		1/4		1/4	4,832.23	1/4	4,475.99	1/4	4,118.17	1/4	3,759.89	1/4	3,401.62	1/4	3,043.35	1/4	2,684.96		
1/2		1/2		1/2		1/2	4,824.83	1/2	4,468.55	1/2	4,110.70	1/2	3,752.43	1/2	3,394.16	1/2	3,035.89	1/2	2,677.49		
3/4		3/4		3/4		3/4	4,817.43	3/4	4,461.11	3/4	4,103.24	3/4	3,744.97	3/4	3,386.69	3/4	3,028.42	3/4	2,670.02		
7		7		7		7	4,810.02	7	4,453.66	7	4,095.77	7	3,737.50	7	3,379.23	7	3,020.96	7	2,662.55		
1/4		1/4		1/4		1/4	4,802.62	1/4	4,446.22	1/4	4,088.31	1/4	3,730.04	1/4	3,371.77	1/4	3,013.49	1/4	2,655.08		
1/2		1/2		1/2		1/2	4,795.22	1/2	4,438.78	1/2	4,080.85	1/2	3,722.57	1/2	3,364.30	1/2	3,006.03	1/2	2,647.62		
3/4		3/4		3/4		3/4	4,787.81	3/4	4,431.34	3/4	4,073.38	3/4	3,715.11	3/4	3,356.84	3/4	2,998.57	3/4	2,640.15		
8		8		8		8	4,780.41	8	4,423.89	8	4,065.92	8	3,707.65	8	3,349.37	8	2,991.10	8	2,632.68		
1/4		1/4		1/4		1/4	4,773.01	1/4	4,416.45	1/4	4,058.45	1/4	3,700.18	1/4	3,341.91	1/4	2,983.64	1/4	2,625.21		
1/2		1/2		1/2		1/2	4,765.61	1/2	4,409.01	1/2	4,050.99	1/2	3,692.72	1/2	3,334.45	1/2	2,976.17	1/2	2,617.74		
3/4		3/4		3/4		3/4	4,758.20	3/4	4,401.57	3/4	4,043.53	3/4	3,685.25	3/4	3,326.98	3/4	2,968.71	3/4	2,610.28		
9		9		9		9	4,750.80	9	4,394.13	9	4,036.06	9	3,677.79	9	3,319.52	9	2,961.25	9	2,602.81		
1/4		1/4		1/4		1/4	4,743.40	1/4	4,386.68	1/4	4,028.60	1/4	3,670.33	1/4	3,312.05	1/4	2,953.78	1/4	2,595.34		
1/2		1/2		1/2		1/2	4,736.00	1/2	4,379.24	1/2	4,021.13	1/2	3,662.86	1/2	3,304.59	1/2	2,946.32	1/2	2,587.87		
3/4		3/4		3/4		3/4	4,728.59	3/4	4,371.80	3/4	4,013.67	3/4	3,655.40	3/4	3,297.13	3/4	2,938.85	3/4	2,580.40		
10		10		10		10	4,721.19	10	4,364.36	10	4,006.21	10	3,647.93	10	3,289.66	10	2,931.39	10	2,572.93		
1/4		1/4		1/4		1/4	4,713.79	1/4	4,356.91	1/4	3,998.74	1/4	3,640.47	1/4	3,282.20	1/4	2,923.92	1/4	2,565.47		
1/2		1/2		1/2		1/2	4,706.38	1/2	4,349.47	1/2	3,991.28	1/2	3,633.01	1/2	3,274.73	1/2	2,916.46	1/2	2,558.00		
3/4		3/4		3/4		3/4	4,698.98	3/4	4,342.03	3/4	3,983.81	3/4	3,625.54	3/4	3,267.27	3/4	2,909.00	3/4	2,550.53		
11		11		11		11	4,691.58	11	4,334.59	11	3,976.35	11	3,618.08	11	3,259.81	11	2,901.53	11	2,543.06		
1/4		1/4		1/4		1/4	4,684.18	1/4	4,327.13	1/4	3,968.89	1/4	3,610.61	1/4	3,252.34	1/4	2,894.06	1/4	2,535.59		
1/2		1/2		1/2		1/2	4,676.77	1/2	4,319.68	1/2	3,961.42	1/2	3,603.15	1/2	3,244.88	1/2	2,886.59	1/2	2,528.13		
3/4		3/4		3/4		3/4	5,013.06	3/4	4,669.37	3/4	4,312.22	3/4	3,953.96	3/4	3,595.69	3/4	3,237.41	3/4	2,879.13	3/4	2,520.66

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 3097"

## 1 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-02 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	2,513.19	0	2,154.72	0	1,796.25	0	1,437.78	0	1,079.31	0	721.35	0	369.91	0	59.32	0		0	
1/4	2,505.72	1/4	2,147.25	1/4	1,788.78	1/4	1,430.32	1/4	1,071.85	1/4	713.88	1/4	363.00	1/4	53.84	1/4		1/4	
1/2	2,498.25	1/2	2,139.78	1/2	1,781.32	1/2	1,422.85	1/2	1,064.39	1/2	706.41	1/2	356.10	1/2	48.35	1/2		1/2	
3/4	2,490.79	3/4	2,132.32	3/4	1,773.85	3/4	1,415.38	3/4	1,056.92	3/4	698.94	3/4	349.20	3/4	42.86	3/4		3/4	
1	2,483.32	1	2,124.85	1	1,766.38	1	1,407.91	1	1,049.46	1	691.47	1	342.29	1	37.38	1		1	
1/4	2,475.85	1/4	2,117.38	1/4	1,758.91	1/4	1,400.44	1/4	1,041.99	1/4	684.01	1/4	335.46	1/4	33.37	1/4		1/4	
1/2	2,468.38	1/2	2,109.91	1/2	1,751.44	1/2	1,392.97	1/2	1,034.53	1/2	676.54	1/2	328.63	1/2	29.37	1/2		1/2	
3/4	2,460.91	3/4	2,102.44	3/4	1,743.98	3/4	1,385.51	3/4	1,027.07	3/4	669.07	3/4	321.80	3/4	25.36	3/4		3/4	
2	2,453.45	2	2,094.98	2	1,736.51	2	1,378.04	2	1,019.61	2	661.60	2	314.97	2	21.36	2		2	
1/4	2,445.98	1/4	2,087.51	1/4	1,729.04	1/4	1,370.57	1/4	1,012.15	1/4	654.13	1/4	308.22	1/4	18.45	1/4		1/4	
1/2	2,438.51	1/2	2,080.04	1/2	1,721.57	1/2	1,363.10	1/2	1,004.69	1/2	646.67	1/2	301.47	1/2		1/2		1/2	
3/4	2,431.04	3/4	2,072.57	3/4	1,714.10	3/4	1,355.63	3/4	997.24	3/4	639.20	3/4	294.72	3/4		3/4		3/4	
3	2,423.57	3	2,065.10	3	1,706.64	3	1,348.17	3	989.78	3	631.73	3	287.97	3		3		3	
1/4	2,416.10	1/4	2,057.64	1/4	1,699.17	1/4	1,340.70	1/4	982.32	1/4	624.26	1/4	281.30	1/4		1/4		1/4	
1/2	2,408.64	1/2	2,050.17	1/2	1,691.70	1/2	1,333.23	1/2	974.87	1/2	616.79	1/2	274.63	1/2		1/2		1/2	
3/4	2,401.17	3/4	2,042.70	3/4	1,684.23	3/4	1,325.76	3/4	967.42	3/4	609.33	3/4	267.97	3/4		3/4		3/4	
4	2,393.70	4	2,035.23	4	1,676.76	4	1,318.29	4	959.96	4	601.86	4	261.30	4		4		4	
1/4	2,386.23	1/4	2,027.76	1/4	1,669.29	1/4	1,310.83	1/4	952.51	1/4	594.39	1/4	254.71	1/4		1/4		1/4	
1/2	2,378.76	1/2	2,020.30	1/2	1,661.83	1/2	1,303.36	1/2	945.05	1/2	586.92	1/2	248.12	1/2		1/2		1/2	
3/4	2,371.30	3/4	2,012.83	3/4	1,654.36	3/4	1,295.89	3/4	937.60	3/4	579.46	3/4	241.53	3/4		3/4		3/4	
5	2,363.83	5	2,005.36	5	1,646.89	5	1,288.42	5	930.14	5	571.99	5	234.94	5		5		5	
1/4	2,356.36	1/4	1,997.89	1/4	1,639.42	1/4	1,280.95	1/4	922.69	1/4	564.55	1/4	228.44	1/4		1/4		1/4	
1/2	2,348.89	1/2	1,990.42	1/2	1,631.95	1/2	1,273.49	1/2	915.24	1/2	557.10	1/2	221.93	1/2		1/2		1/2	
3/4	2,341.42	3/4	1,982.95	3/4	1,624.49	3/4	1,266.02	3/4	907.78	3/4	549.66	3/4	215.42	3/4		3/4		3/4	
6	2,333.96	6	1,975.49	6	1,617.02	6	1,258.55	6	900.33	6	542.22	6	208.92	6		6		6	
1/4	2,326.49	1/4	1,968.02	1/4	1,609.55	1/4	1,251.08	1/4	892.87	1/4	534.84	1/4	202.49	1/4		1/4		1/4	
1/2	2,319.02	1/2	1,960.55	1/2	1,602.08	1/2	1,243.61	1/2	885.42	1/2	527.47	1/2	196.07	1/2		1/2		1/2	
3/4	2,311.55	3/4	1,953.08	3/4	1,594.61	3/4	1,236.14	3/4	877.96	3/4	520.09	3/4	189.64	3/4		3/4		3/4	
7	2,304.08	7	1,945.61	7	1,587.15	7	1,228.68	7	870.51	7	512.72	7	183.22	7		7		7	
1/4	2,296.62	1/4	1,938.15	1/4	1,579.68	1/4	1,221.21	1/4	863.06	1/4	505.42	1/4	176.87	1/4		1/4		1/4	
1/2	2,289.15	1/2	1,930.68	1/2	1,572.21	1/2	1,213.74	1/2	855.60	1/2	498.12	1/2	170.52	1/2		1/2		1/2	
3/4	2,281.68	3/4	1,923.21	3/4	1,564.74	3/4	1,206.27	3/4	848.15	3/4	490.82	3/4	164.17	3/4		3/4		3/4	
8	2,274.21	8	1,915.74	8	1,557.27	8	1,198.80	8	840.69	8	483.52	8	157.82	8		8		8	
1/4	2,266.74	1/4	1,908.27	1/4	1,549.81	1/4	1,191.34	1/4	833.24	1/4	476.30	1/4	151.54	1/4		1/4		1/4	
1/2	2,259.27	1/2	1,900.81	1/2	1,542.34	1/2	1,183.87	1/2	825.79	1/2	469.07	1/2	145.26	1/2		1/2		1/2	
3/4	2,251.81	3/4	1,893.34	3/4	1,534.87	3/4	1,176.40	3/4	818.33	3/4	461.85	3/4	138.99	3/4		3/4		3/4	
9	2,244.34	9	1,885.87	9	1,527.40	9	1,168.93	9	810.88	9	454.63	9	132.71	9		9		9	
1/4	2,236.87	1/4	1,878.40	1/4	1,519.93	1/4	1,161.46	1/4	803.42	1/4	447.49	1/4	126.51	1/4		1/4		1/4	
1/2	2,229.40	1/2	1,870.93	1/2	1,512.46	1/2	1,154.00	1/2	795.97	1/2	440.34	1/2	120.32	1/2		1/2		1/2	
3/4	2,221.93	3/4	1,863.47	3/4	1,505.00	3/4	1,146.53	3/4	788.51	3/4	433.20	3/4	114.12	3/4		3/4		3/4	
10	2,214.47	10	1,856.00	10	1,497.53	10	1,139.06	10	781.06	10	426.06	10	107.92	10		10		10	
1/4	2,207.00	1/4	1,848.53	1/4	1,490.06	1/4	1,131.59	1/4	773.60	1/4	419.00	1/4	101.81	1/4		1/4		1/4	
1/2	2,199.53	1/2	1,841.06	1/2	1,482.59	1/2	1,124.12	1/2	766.14	1/2	411.94	1/2	95.69	1/2		1/2		1/2	
3/4	2,192.06	3/4	1,833.59	3/4	1,475.12	3/4	1,116.66	3/4	758.68	3/4	404.88	3/4	89.58	3/4		3/4		3/4	
11	2,184.59	11	1,826.12	11	1,467.66	11	1,109.19	11	751.22	11	397.82	11	83.46	11		11		11	
1/4	2,177.13	1/4	1,818.66	1/4	1,460.19	1/4	1,101.72	1/4	743.75	1/4	390.84	1/4	77.43	1/4		1/4		1/4	
1/2	2,169.66	1/2	1,811.19	1/2	1,452.72	1/2	1,094.25	1/2	736.28	1/2	383.87	1/2	71.39	1/2		1/2		1/2	
3/4	2,162.19	3/4	1,803.72	3/4	1,445.25	3/4	1,086.78	3/4	728.81	3/4	376.89	3/4	65.36	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/16/2013 CL - SW  
RECALCULATED: 06/08/2018 CL  
VERIFIED: 05/17/2023 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2023

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



# BARGE "HTCO 3097"

## 2 PORT ULLAGE TABLE

### HERMETIC

GAUGE HEIGHT 17'-02 3/4"

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	4,745.14	0	4,387.16	0	4,028.04	0	3,668.89	0	3,309.73	0	2,950.56
1/4		1/4		1/4		1/4	5,082.27	1/4	4,737.72	1/4	4,379.69	1/4	4,020.55	1/4	3,661.40	1/4	3,302.25	1/4	2,943.08
1/2		1/2		1/2		1/2	5,077.52	1/2	4,730.30	1/2	4,372.22	1/2	4,013.07	1/2	3,653.92	1/2	3,294.77	1/2	2,935.59
3/4		3/4		3/4		3/4	5,071.70	3/4	4,722.85	3/4	4,364.74	3/4	4,005.59	3/4	3,646.44	3/4	3,287.29	3/4	2,928.10
1		1		1		1	5,065.88	1	4,715.41	1	4,357.26	1	3,998.11	1	3,638.96	1	3,279.81	1	2,920.62
1/4		1/4		1/4		1/4	5,060.06	1/4	4,707.97	1/4	4,349.77	1/4	3,990.62	1/4	3,631.47	1/4	3,272.32	1/4	2,913.13
1/2		1/2		1/2		1/2	5,054.24	1/2	4,700.53	1/2	4,342.29	1/2	3,983.14	1/2	3,623.99	1/2	3,264.84	1/2	2,905.64
3/4		3/4		3/4		3/4	5,047.41	3/4	4,693.07	3/4	4,334.81	3/4	3,975.66	3/4	3,616.51	3/4	3,257.36	3/4	2,898.16
2		2		2		2	5,040.59	2	4,685.61	2	4,327.33	2	3,968.18	2	3,609.03	2	3,249.88	2	2,890.67
1/4		1/4		1/4		1/4	5,033.76	1/4	4,678.15	1/4	4,319.85	1/4	3,960.70	1/4	3,601.54	1/4	3,242.39	1/4	2,883.19
1/2		1/2		1/2		1/2	5,026.94	1/2	4,670.69	1/2	4,312.36	1/2	3,953.21	1/2	3,594.06	1/2	3,234.91	1/2	2,875.70
3/4		3/4		3/4		3/4	5,019.58	3/4	4,663.23	3/4	4,304.88	3/4	3,945.73	3/4	3,586.58	3/4	3,227.43	3/4	2,868.21
3		3		3		3	5,012.22	3	4,655.77	3	4,297.40	3	3,938.25	3	3,579.10	3	3,219.95	3	2,860.73
1/4		1/4		1/4		1/4	5,004.86	1/4	4,648.31	1/4	4,289.92	1/4	3,930.77	1/4	3,571.62	1/4	3,212.47	1/4	2,853.24
1/2		1/2		1/2		1/2	4,997.50	1/2	4,640.85	1/2	4,282.43	1/2	3,923.28	1/2	3,564.13	1/2	3,204.98	1/2	2,845.75
3/4		3/4		3/4		3/4	4,990.08	3/4	4,633.39	3/4	4,274.95	3/4	3,915.80	3/4	3,556.65	3/4	3,197.50	3/4	2,838.27
4		4		4		4	4,982.65	4	4,625.93	4	4,267.47	4	3,908.32	4	3,549.17	4	3,190.02	4	2,830.78
1/4		1/4		1/4		1/4	4,975.23	1/4	4,618.47	1/4	4,259.99	1/4	3,900.84	1/4	3,541.69	1/4	3,182.54	1/4	2,823.30
1/2		1/2		1/2		1/2	4,967.80	1/2	4,611.01	1/2	4,252.50	1/2	3,893.35	1/2	3,534.20	1/2	3,175.05	1/2	2,815.81
3/4		3/4		3/4		3/4	4,960.38	3/4	4,603.54	3/4	4,245.02	3/4	3,885.87	3/4	3,526.72	3/4	3,167.57	3/4	2,808.32
5		5		5		5	4,952.95	5	4,595.08	5	4,237.54	5	3,878.39	5	3,519.24	5	3,160.09	5	2,800.84
1/4		1/4		1/4		1/4	4,945.53	1/4	4,588.62	1/4	4,230.06	1/4	3,870.91	1/4	3,511.76	1/4	3,152.61	1/4	2,793.35
1/2		1/2		1/2		1/2	4,938.10	1/2	4,581.16	1/2	4,222.58	1/2	3,863.43	1/2	3,504.27	1/2	3,145.12	1/2	2,785.86
3/4		3/4		3/4		3/4	4,930.68	3/4	4,573.70	3/4	4,215.09	3/4	3,855.94	3/4	3,496.79	3/4	3,137.64	3/4	2,778.38
6		6		6		6	4,923.26	6	4,566.24	6	4,207.61	6	3,848.46	6	3,489.31	6	3,130.16	6	2,770.89
1/4		1/4		1/4		1/4	4,915.83	1/4	4,558.78	1/4	4,200.13	1/4	3,840.98	1/4	3,481.83	1/4	3,122.68	1/4	2,763.41
1/2		1/2		1/2		1/2	4,908.41	1/2	4,551.32	1/2	4,192.65	1/2	3,833.50	1/2	3,474.35	1/2	3,115.20	1/2	2,755.92
3/4		3/4		3/4		3/4	4,900.98	3/4	4,543.86	3/4	4,185.16	3/4	3,826.01	3/4	3,466.86	3/4	3,107.71	3/4	2,748.43
7		7		7		7	4,893.56	7	4,536.40	7	4,177.68	7	3,818.53	7	3,459.38	7	3,100.23	7	2,740.95
1/4		1/4		1/4		1/4	4,886.14	1/4	4,528.94	1/4	4,170.20	1/4	3,811.05	1/4	3,451.90	1/4	3,092.75	1/4	2,733.46
1/2		1/2		1/2		1/2	4,878.71	1/2	4,521.48	1/2	4,162.72	1/2	3,803.57	1/2	3,444.42	1/2	3,085.27	1/2	2,725.97
3/4		3/4		3/4		3/4	4,871.29	3/4	4,514.02	3/4	4,155.23	3/4	3,796.08	3/4	3,436.93	3/4	3,077.78	3/4	2,718.49
8		8		8		8	4,863.87	8	4,506.56	8	4,147.75	8	3,788.60	8	3,429.45	8	3,070.30	8	2,711.00
1/4		1/4		1/4		1/4	4,856.45	1/4	4,499.10	1/4	4,140.27	1/4	3,781.12	1/4	3,421.97	1/4	3,062.82	1/4	2,703.51
1/2		1/2		1/2		1/2	4,849.03	1/2	4,491.64	1/2	4,132.79	1/2	3,773.64	1/2	3,414.49	1/2	3,055.34	1/2	2,696.03
3/4		3/4		3/4		3/4	4,841.61	3/4	4,484.17	3/4	4,125.31	3/4	3,766.16	3/4	3,407.00	3/4	3,047.85	3/4	2,688.54
9		9		9		9	4,834.19	9	4,476.71	9	4,117.82	9	3,758.67	9	3,399.52	9	3,040.37	9	2,681.06
1/4		1/4		1/4		1/4	4,826.77	1/4	4,469.25	1/4	4,110.34	1/4	3,751.19	1/4	3,392.04	1/4	3,032.89	1/4	2,673.57
1/2		1/2		1/2		1/2	4,819.35	1/2	4,461.79	1/2	4,102.86	1/2	3,743.71	1/2	3,384.56	1/2	3,025.41	1/2	2,666.08
3/4		3/4		3/4		3/4	4,811.93	3/4	4,454.33	3/4	4,095.38	3/4	3,736.23	3/4	3,377.08	3/4	3,017.93	3/4	2,658.60
10		10		10		10	4,804.50	10	4,446.87	10	4,087.89	10	3,728.74	10	3,369.59	10	3,010.44	10	2,651.11
1/4		1/4		1/4		1/4	4,797.08	1/4	4,439.41	1/4	4,080.41	1/4	3,721.26	1/4	3,362.11	1/4	3,002.96	1/4	2,643.62
1/2		1/2		1/2		1/2	4,789.66	1/2	4,431.95	1/2	4,072.93	1/2	3,713.78	1/2	3,354.63	1/2	2,995.48	1/2	2,636.14
3/4		3/4		3/4		3/4	4,782.24	3/4	4,424.49	3/4	4,065.45	3/4	3,706.30	3/4	3,347.15	3/4	2,987.99	3/4	2,628.65
11		11		11		11	4,774.82	11	4,417.03	11	4,057.97	11	3,698.81	11	3,339.66	11	2,980.51	11	2,621.17
1/4		1/4		1/4		1/4	4,767.40	1/4	4,409.57	1/4	4,050.48	1/4	3,691.33	1/4	3,332.18	1/4	2,973.02	1/4	2,613.68
1/2		1/2		1/2		1/2	4,759.98	1/2	4,402.11	1/2	4,043.00	1/2	3,683.85	1/2	3,324.70	1/2	2,965.54	1/2	2,606.19
3/4		3/4		3/4		3/4	4,752.56	3/4	4,394.64	3/4	4,035.52	3/4	3,676.37	3/4	3,317.22	3/4	2,958.05	3/4	2,598.71

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 42'-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 "HTCO 3097"

## 2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-02 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	2,591.22	0	2,231.88	0	1,872.54	0	1,513.19	0	1,154.98	0	808.88	0	449.54	0	90.20	0		0	
1/4	2,583.73	1/4	2,224.39	1/4	1,865.05	1/4	1,505.71	1/4	1,147.78	1/4	801.39	1/4	442.05	1/4	82.72	1/4		1/4	
1/2	2,576.25	1/2	2,216.91	1/2	1,857.56	1/2	1,498.22	1/2	1,140.57	1/2	793.90	1/2	434.57	1/2	75.23	1/2		1/2	
3/4	2,568.76	3/4	2,209.42	3/4	1,850.08	3/4	1,490.73	3/4	1,133.38	3/4	786.42	3/4	427.08	3/4	68.21	3/4		3/4	
1	2,561.27	1	2,201.93	1	1,842.59	1	1,483.25	1	1,126.18	1	778.93	1	419.59	1	61.19	1		1	
1/4	2,553.79	1/4	2,194.45	1/4	1,835.10	1/4	1,475.76	1/4	1,118.98	1/4	771.45	1/4	412.11	1/4	54.17	1/4		1/4	
1/2	2,546.30	1/2	2,186.96	1/2	1,827.62	1/2	1,468.28	1/2	1,111.79	1/2	763.96	1/2	404.62	1/2	47.16	1/2		1/2	
3/4	2,538.82	3/4	2,179.47	3/4	1,820.13	3/4	1,460.79	3/4	1,104.60	3/4	756.47	3/4	397.14	3/4	41.54	3/4		3/4	
2	2,531.33	2	2,171.99	2	1,812.64	2	1,453.30	2	1,097.41	2	748.99	2	389.65	2	35.93	2		2	
1/4	2,523.84	1/4	2,164.50	1/4	1,805.16	1/4	1,445.82	1/4	1,090.22	1/4	741.50	1/4	382.16	1/4	30.31	1/4		1/4	
1/2	2,516.36	1/2	2,157.01	1/2	1,797.67	1/2	1,438.33	1/2	1,083.03	1/2	734.01	1/2	374.68	1/2	24.70	1/2		1/2	
3/4	2,508.87	3/4	2,149.53	3/4	1,790.19	3/4	1,430.84	3/4	1,075.84	3/4	726.53	3/4	367.19	3/4	20.95	3/4		3/4	
3	2,501.38	3	2,142.04	3	1,782.70	3	1,423.36	3	1,068.66	3	719.04	3	359.70	3		3		3	
1/4	2,493.90	1/4	2,134.56	1/4	1,775.21	1/4	1,415.87	1/4	1,061.47	1/4	711.56	1/4	352.22	1/4		1/4		1/4	
1/2	2,486.41	1/2	2,127.07	1/2	1,767.73	1/2	1,408.38	1/2	1,054.28	1/2	704.07	1/2	344.73	1/2		1/2		1/2	
3/4	2,478.93	3/4	2,119.58	3/4	1,760.24	3/4	1,400.90	3/4	1,047.10	3/4	696.58	3/4	337.25	3/4		3/4		3/4	
4	2,471.44	4	2,112.10	4	1,752.75	4	1,393.41	4	1,039.92	4	689.10	4	329.76	4		4		4	
1/4	2,463.95	1/4	2,104.61	1/4	1,745.27	1/4	1,385.93	1/4	1,032.74	1/4	681.61	1/4	322.27	1/4		1/4		1/4	
1/2	2,456.47	1/2	2,097.12	1/2	1,737.78	1/2	1,378.44	1/2	1,025.55	1/2	674.13	1/2	314.79	1/2		1/2		1/2	
3/4	2,448.98	3/4	2,089.64	3/4	1,730.30	3/4	1,370.95	3/4	1,018.37	3/4	666.64	3/4	307.30	3/4		3/4		3/4	
5	2,441.49	5	2,082.15	5	1,722.81	5	1,363.47	5	1,011.19	5	659.15	5	299.82	5		5		5	
1/4	2,434.01	1/4	2,074.67	1/4	1,715.32	1/4	1,355.98	1/4	1,004.01	1/4	651.67	1/4	292.33	1/4		1/4		1/4	
1/2	2,426.52	1/2	2,067.18	1/2	1,707.84	1/2	1,348.49	1/2	996.82	1/2	644.18	1/2	284.84	1/2		1/2		1/2	
3/4	2,419.04	3/4	2,059.69	3/4	1,700.35	3/4	1,341.01	3/4	989.64	3/4	636.69	3/4	277.36	3/4		3/4		3/4	
6	2,411.55	6	2,052.21	6	1,692.86	6	1,333.52	6	982.46	6	629.21	6	269.87	6		6		6	
1/4	2,404.06	1/4	2,044.72	1/4	1,685.38	1/4	1,326.04	1/4	975.28	1/4	621.72	1/4	262.38	1/4		1/4		1/4	
1/2	2,396.58	1/2	2,037.23	1/2	1,677.89	1/2	1,318.55	1/2	968.09	1/2	614.24	1/2	254.90	1/2		1/2		1/2	
3/4	2,389.09	3/4	2,029.75	3/4	1,670.41	3/4	1,311.06	3/4	960.91	3/4	606.75	3/4	247.41	3/4		3/4		3/4	
7	2,381.60	7	2,022.26	7	1,662.92	7	1,303.58	7	953.73	7	599.26	7	239.93	7		7		7	
1/4	2,374.12	1/4	2,014.78	1/4	1,655.43	1/4	1,296.09	1/4	946.55	1/4	591.78	1/4	232.44	1/4		1/4		1/4	
1/2	2,366.63	1/2	2,007.29	1/2	1,647.95	1/2	1,288.60	1/2	939.37	1/2	584.29	1/2	224.95	1/2		1/2		1/2	
3/4	2,359.14	3/4	1,999.80	3/4	1,640.46	3/4	1,281.12	3/4	932.18	3/4	576.80	3/4	217.47	3/4		3/4		3/4	
8	2,351.66	8	1,992.32	8	1,632.97	8	1,273.63	8	925.00	8	569.32	8	209.98	8		8		8	
1/4	2,344.17	1/4	1,984.83	1/4	1,625.49	1/4	1,266.15	1/4	917.82	1/4	561.83	1/4	202.49	1/4		1/4		1/4	
1/2	2,336.69	1/2	1,977.34	1/2	1,618.00	1/2	1,258.66	1/2	910.64	1/2	554.35	1/2	195.01	1/2		1/2		1/2	
3/4	2,329.20	3/4	1,969.86	3/4	1,610.51	3/4	1,251.17	3/4	903.45	3/4	546.86	3/4	187.53	3/4		3/4		3/4	
9	2,321.71	9	1,962.37	9	1,603.03	9	1,243.69	9	896.27	9	539.37	9	180.04	9		9		9	
1/4	2,314.23	1/4	1,954.88	1/4	1,595.54	1/4	1,236.20	1/4	889.09	1/4	531.89	1/4	172.55	1/4		1/4		1/4	
1/2	2,306.74	1/2	1,947.40	1/2	1,588.06	1/2	1,228.71	1/2	881.91	1/2	524.40	1/2	165.06	1/2		1/2		1/2	
3/4	2,299.25	3/4	1,939.91	3/4	1,580.57	3/4	1,221.23	3/4	874.72	3/4	516.91	3/4	157.58	3/4		3/4		3/4	
10	2,291.77	10	1,932.43	10	1,573.08	10	1,213.74	10	867.54	10	509.43	10	150.09	10		10		10	
1/4	2,284.28	1/4	1,924.94	1/4	1,565.60	1/4	1,206.25	1/4	860.36	1/4	501.94	1/4	142.60	1/4		1/4		1/4	
1/2	2,276.80	1/2	1,917.45	1/2	1,558.11	1/2	1,198.77	1/2	853.18	1/2	494.46	1/2	135.12	1/2		1/2		1/2	
3/4	2,269.31	3/4	1,909.97	3/4	1,550.62	3/4	1,191.28	3/4	845.84	3/4	486.97	3/4	127.63	3/4		3/4		3/4	
11	2,261.82	11	1,902.48	11	1,543.14	11	1,184.08	11	838.51	11	479.48	11	120.15	11		11		11	
1/4	2,254.34	1/4	1,894.99	1/4	1,535.65	1/4	1,176.73	1/4	831.18	1/4	472.00	1/4	112.66	1/4		1/4		1/4	
1/2	2,246.85	1/2	1,887.51	1/2	1,528.17	1/2	1,169.39	1/2	823.85	1/2	464.51	1/2	105.17	1/2		1/2		1/2	
3/4	2,239.36	3/4	1,880.02	3/4	1,520.68	3/4	1,162.18	3/4	816.36	3/4	457.03	3/4	97.69	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/16/2013 CL - SW  
RECALCULATED: 06/08/2018 CL  
VERIFIED: 05/17/2023 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2023

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



# BARGE "HTCO 3097"

## 2 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03"

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	4,766.45	0	4,408.53	0	4,049.41	0	3,690.26	0	3,331.11	0	2,971.94
1/4		1/4		1/4		1/4		1/4	4,759.03	1/4	4,401.06	1/4	4,041.93	1/4	3,682.78	1/4	3,323.63	1/4	2,964.46
1/2		1/2		1/2		1/2	5,096.15	1/2	4,751.61	1/2	4,393.59	1/2	4,034.45	1/2	3,675.30	1/2	3,316.15	1/2	2,956.97
3/4		3/4		3/4		3/4	5,091.40	3/4	4,744.19	3/4	4,386.12	3/4	4,026.96	3/4	3,667.81	3/4	3,308.66	3/4	2,949.48
1		1		1		1	5,085.58	1	4,738.75	1	4,378.63	1	4,019.48	1	3,660.33	1	3,301.18	1	2,942.00
1/4		1/4		1/4		1/4	5,079.76	1/4	4,729.31	1/4	4,371.15	1/4	4,012.00	1/4	3,652.85	1/4	3,293.70	1/4	2,934.51
1/2		1/2		1/2		1/2	5,073.94	1/2	4,721.86	1/2	4,363.67	1/2	4,004.52	1/2	3,645.37	1/2	3,286.22	1/2	2,927.02
3/4		3/4		3/4		3/4	5,068.12	3/4	4,714.42	3/4	4,356.19	3/4	3,997.04	3/4	3,637.89	3/4	3,278.73	3/4	2,919.54
2		2		2		2	5,061.29	2	4,706.96	2	4,348.70	2	3,989.55	2	3,630.40	2	3,271.25	2	2,912.05
1/4		1/4		1/4		1/4	5,054.47	1/4	4,699.50	1/4	4,341.22	1/4	3,982.07	1/4	3,622.92	1/4	3,263.77	1/4	2,904.57
1/2		1/2		1/2		1/2	5,047.65	1/2	4,692.04	1/2	4,333.74	1/2	3,974.59	1/2	3,615.44	1/2	3,256.29	1/2	2,897.08
3/4		3/4		3/4		3/4	5,040.82	3/4	4,684.58	3/4	4,326.26	3/4	3,967.11	3/4	3,607.96	3/4	3,248.81	3/4	2,889.59
3		3		3		3	5,033.47	3	4,677.12	3	4,318.77	3	3,959.62	3	3,600.47	3	3,241.32	3	2,882.11
1/4		1/4		1/4		1/4	5,026.11	1/4	4,669.66	1/4	4,311.29	1/4	3,952.14	1/4	3,592.99	1/4	3,233.84	1/4	2,874.62
1/2		1/2		1/2		1/2	5,018.75	1/2	4,662.20	1/2	4,303.81	1/2	3,944.66	1/2	3,585.51	1/2	3,226.36	1/2	2,867.13
3/4		3/4		3/4		3/4	5,011.39	3/4	4,654.74	3/4	4,296.33	3/4	3,937.18	3/4	3,578.03	3/4	3,218.88	3/4	2,859.65
4		4		4		4	5,003.97	4	4,647.28	4	4,288.85	4	3,929.70	4	3,570.54	4	3,211.39	4	2,852.16
1/4		1/4		1/4		1/4	4,996.54	1/4	4,639.82	1/4	4,281.36	1/4	3,922.21	1/4	3,563.06	1/4	3,203.91	1/4	2,844.68
1/2		1/2		1/2		1/2	4,989.12	1/2	4,632.36	1/2	4,273.88	1/2	3,914.73	1/2	3,555.58	1/2	3,196.43	1/2	2,837.19
3/4		3/4		3/4		3/4	4,981.69	3/4	4,624.90	3/4	4,266.40	3/4	3,907.25	3/4	3,548.10	3/4	3,188.95	3/4	2,829.70
5		5		5		5	4,974.27	5	4,617.44	5	4,258.92	5	3,899.77	5	3,540.62	5	3,181.46	5	2,822.22
1/4		1/4		1/4		1/4	4,966.84	1/4	4,609.98	1/4	4,251.43	1/4	3,892.28	1/4	3,533.13	1/4	3,173.98	1/4	2,814.73
1/2		1/2		1/2		1/2	4,959.42	1/2	4,602.52	1/2	4,243.95	1/2	3,884.80	1/2	3,525.65	1/2	3,166.50	1/2	2,807.24
3/4		3/4		3/4		3/4	4,951.99	3/4	4,595.05	3/4	4,236.47	3/4	3,877.32	3/4	3,518.17	3/4	3,159.02	3/4	2,799.76
6		6		6		6	4,944.57	6	4,587.59	6	4,228.99	6	3,869.84	6	3,510.69	6	3,151.54	6	2,792.27
1/4		1/4		1/4		1/4	4,937.14	1/4	4,580.13	1/4	4,221.50	1/4	3,862.35	1/4	3,503.20	1/4	3,144.05	1/4	2,784.79
1/2		1/2		1/2		1/2	4,929.72	1/2	4,572.67	1/2	4,214.02	1/2	3,854.87	1/2	3,495.72	1/2	3,136.57	1/2	2,777.30
3/4		3/4		3/4		3/4	4,922.29	3/4	4,565.21	3/4	4,206.54	3/4	3,847.39	3/4	3,488.24	3/4	3,129.09	3/4	2,769.81
7		7		7		7	4,914.87	7	4,557.75	7	4,199.06	7	3,839.91	7	3,480.76	7	3,121.61	7	2,762.33
1/4		1/4		1/4		1/4	4,907.45	1/4	4,550.29	1/4	4,191.58	1/4	3,832.43	1/4	3,473.27	1/4	3,114.12	1/4	2,754.84
1/2		1/2		1/2		1/2	4,900.02	1/2	4,542.83	1/2	4,184.09	1/2	3,824.94	1/2	3,465.79	1/2	3,106.64	1/2	2,747.35
3/4		3/4		3/4		3/4	4,892.60	3/4	4,535.37	3/4	4,176.61	3/4	3,817.46	3/4	3,458.31	3/4	3,099.16	3/4	2,739.87
8		8		8		8	4,885.18	8	4,527.91	8	4,169.13	8	3,809.98	8	3,450.83	8	3,091.68	8	2,732.38
1/4		1/4		1/4		1/4	4,877.76	1/4	4,520.45	1/4	4,161.65	1/4	3,802.50	1/4	3,443.35	1/4	3,084.20	1/4	2,724.89
1/2		1/2		1/2		1/2	4,870.34	1/2	4,512.99	1/2	4,154.16	1/2	3,795.01	1/2	3,435.86	1/2	3,076.71	1/2	2,717.41
3/4		3/4		3/4		3/4	4,862.92	3/4	4,505.53	3/4	4,146.68	3/4	3,787.53	3/4	3,428.38	3/4	3,069.23	3/4	2,709.92
9		9		9		9	4,855.50	9	4,498.07	9	4,139.20	9	3,780.05	9	3,420.90	9	3,061.75	9	2,702.44
1/4		1/4		1/4		1/4	4,848.08	1/4	4,490.61	1/4	4,131.72	1/4	3,772.57	1/4	3,413.42	1/4	3,054.27	1/4	2,694.95
1/2		1/2		1/2		1/2	4,840.66	1/2	4,483.15	1/2	4,124.23	1/2	3,765.08	1/2	3,405.93	1/2	3,046.78	1/2	2,687.46
3/4		3/4		3/4		3/4	4,833.24	3/4	4,475.69	3/4	4,116.75	3/4	3,757.60	3/4	3,398.45	3/4	3,039.30	3/4	2,679.98
10		10		10		10	4,825.81	10	4,468.22	10	4,109.27	10	3,750.12	10	3,390.97	10	3,031.82	10	2,672.49
1/4		1/4		1/4		1/4	4,818.39	1/4	4,460.76	1/4	4,101.79	1/4	3,742.64	1/4	3,383.49	1/4	3,024.34	1/4	2,665.00
1/2		1/2		1/2		1/2	4,810.97	1/2	4,453.30	1/2	4,094.31	1/2	3,735.16	1/2	3,376.00	1/2	3,016.85	1/2	2,657.52
3/4		3/4		3/4		3/4	4,803.55	3/4	4,445.84	3/4	4,086.82	3/4	3,727.67	3/4	3,368.52	3/4	3,009.37	3/4	2,650.03
11		11		11		11	4,796.13	11	4,438.38	11	4,079.34	11	3,720.19	11	3,361.04	11	3,001.89	11	2,642.55
1/4		1/4		1/4		1/4	4,788.71	1/4	4,430.92	1/4	4,071.86	1/4	3,712.71	1/4	3,353.56	1/4	2,994.40	1/4	2,635.06
1/2		1/2		1/2		1/2	4,781.29	1/2	4,423.46	1/2	4,064.38	1/2	3,705.23	1/2	3,346.08	1/2	2,986.91	1/2	2,627.57
3/4		3/4		3/4		3/4	4,773.87	3/4	4,416.00	3/4	4,056.89	3/4	3,697.74	3/4	3,338.59	3/4	2,979.43	3/4	2,620.09

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 42'-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 "HTCO 3097"

2 STBD  
ULLAGE TABLE  
HERMETIC  
GAUGE HEIGHT 17'-03"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,612.60	0	2,253.26	0	1,893.92	0	1,534.57	0	1,175.23	0	816.35	0	457.01	0	97.68	0		0	
1/4	2,605.11	1/4	2,245.77	1/4	1,886.43	1/4	1,527.09	1/4	1,167.74	1/4	808.86	1/4	449.53	1/4	90.20	1/4		1/4	
1/2	2,597.63	1/2	2,238.29	1/2	1,878.94	1/2	1,519.60	1/2	1,160.26	1/2	801.37	1/2	442.04	1/2	82.71	1/2		1/2	
3/4	2,590.14	3/4	2,230.80	3/4	1,871.46	3/4	1,512.11	3/4	1,152.77	3/4	793.89	3/4	434.56	3/4	75.22	3/4		3/4	
1	2,582.65	1	2,223.31	1	1,863.97	1	1,504.63	1	1,145.29	1	786.40	1	427.07	1	68.21	1		1	
1/4	2,575.17	1/4	2,215.83	1/4	1,856.48	1/4	1,497.14	1/4	1,137.80	1/4	778.92	1/4	419.58	1/4	61.19	1/4		1/4	
1/2	2,567.68	1/2	2,208.34	1/2	1,849.00	1/2	1,489.66	1/2	1,130.32	1/2	771.43	1/2	412.10	1/2	54.17	1/2		1/2	
3/4	2,560.20	3/4	2,200.85	3/4	1,841.51	3/4	1,482.17	3/4	1,122.84	3/4	763.94	3/4	404.61	3/4	47.15	3/4		3/4	
2	2,552.71	2	2,193.37	2	1,834.02	2	1,474.68	2	1,115.36	2	756.46	2	397.13	2	41.54	2		2	
1/4	2,545.22	1/4	2,185.88	1/4	1,826.54	1/4	1,467.20	1/4	1,107.88	1/4	748.97	1/4	389.64	1/4	35.92	1/4		1/4	
1/2	2,537.74	1/2	2,178.39	1/2	1,819.05	1/2	1,459.71	1/2	1,100.40	1/2	741.49	1/2	382.15	1/2	30.31	1/2		1/2	
3/4	2,530.25	3/4	2,170.91	3/4	1,811.57	3/4	1,452.22	3/4	1,092.91	3/4	734.00	3/4	374.67	3/4	24.69	3/4		3/4	
3	2,522.76	3	2,163.42	3	1,804.08	3	1,444.74	3	1,085.44	3	726.51	3	367.18	3	20.95	3		3	
1/4	2,515.28	1/4	2,155.94	1/4	1,796.59	1/4	1,437.25	1/4	1,077.96	1/4	719.03	1/4	359.70	1/4		1/4		1/4	
1/2	2,507.79	1/2	2,148.45	1/2	1,789.11	1/2	1,429.76	1/2	1,070.48	1/2	711.54	1/2	352.21	1/2		1/2		1/2	
3/4	2,500.31	3/4	2,140.96	3/4	1,781.62	3/4	1,422.28	3/4	1,063.00	3/4	704.06	3/4	344.72	3/4		3/4		3/4	
4	2,492.82	4	2,133.48	4	1,774.13	4	1,414.79	4	1,055.53	4	696.57	4	337.24	4		4		4	
1/4	2,485.33	1/4	2,125.99	1/4	1,766.65	1/4	1,407.31	1/4	1,048.06	1/4	689.08	1/4	329.75	1/4		1/4		1/4	
1/2	2,477.85	1/2	2,118.50	1/2	1,759.16	1/2	1,399.82	1/2	1,040.58	1/2	681.60	1/2	322.26	1/2		1/2		1/2	
3/4	2,470.36	3/4	2,111.02	3/4	1,751.68	3/4	1,392.33	3/4	1,033.11	3/4	674.11	3/4	314.78	3/4		3/4		3/4	
5	2,462.87	5	2,103.53	5	1,744.19	5	1,384.85	5	1,025.64	5	666.63	5	307.29	5		5		5	
1/4	2,455.39	1/4	2,096.05	1/4	1,736.70	1/4	1,377.36	1/4	1,018.17	1/4	659.14	1/4	299.81	1/4		1/4		1/4	
1/2	2,447.90	1/2	2,088.56	1/2	1,729.22	1/2	1,369.87	1/2	1,010.69	1/2	651.65	1/2	292.32	1/2		1/2		1/2	
3/4	2,440.42	3/4	2,081.07	3/4	1,721.73	3/4	1,362.39	3/4	1,003.22	3/4	644.17	3/4	284.83	3/4		3/4		3/4	
6	2,432.93	6	2,073.59	6	1,714.24	6	1,354.90	6	995.75	6	636.68	6	277.35	6		6		6	
1/4	2,425.44	1/4	2,066.10	1/4	1,706.76	1/4	1,347.42	1/4	988.27	1/4	629.19	1/4	269.86	1/4		1/4		1/4	
1/2	2,417.96	1/2	2,058.61	1/2	1,699.27	1/2	1,339.93	1/2	980.80	1/2	621.71	1/2	262.38	1/2		1/2		1/2	
3/4	2,410.47	3/4	2,051.13	3/4	1,691.79	3/4	1,332.44	3/4	973.33	3/4	614.22	3/4	254.89	3/4		3/4		3/4	
7	2,402.98	7	2,043.64	7	1,684.30	7	1,324.96	7	965.85	7	606.74	7	247.40	7		7		7	
1/4	2,395.50	1/4	2,036.16	1/4	1,676.81	1/4	1,317.47	1/4	958.38	1/4	599.25	1/4	239.92	1/4		1/4		1/4	
1/2	2,388.01	1/2	2,028.67	1/2	1,669.33	1/2	1,309.98	1/2	950.91	1/2	591.76	1/2	232.43	1/2		1/2		1/2	
3/4	2,380.52	3/4	2,021.18	3/4	1,661.84	3/4	1,302.50	3/4	943.43	3/4	584.28	3/4	224.95	3/4		3/4		3/4	
8	2,373.04	8	2,013.70	8	1,654.35	8	1,295.01	8	935.96	8	576.79	8	217.46	8		8		8	
1/4	2,365.55	1/4	2,006.21	1/4	1,646.87	1/4	1,287.53	1/4	928.49	1/4	569.31	1/4	209.97	1/4		1/4		1/4	
1/2	2,358.07	1/2	1,998.72	1/2	1,639.38	1/2	1,280.04	1/2	921.01	1/2	561.82	1/2	202.49	1/2		1/2		1/2	
3/4	2,350.58	3/4	1,991.24	3/4	1,631.89	3/4	1,272.55	3/4	913.54	3/4	554.33	3/4	195.00	3/4		3/4		3/4	
9	2,343.09	9	1,983.75	9	1,624.41	9	1,265.07	9	906.07	9	546.85	9	187.51	9		9		9	
1/4	2,335.61	1/4	1,976.26	1/4	1,616.92	1/4	1,257.58	1/4	898.59	1/4	539.36	1/4	180.03	1/4		1/4		1/4	
1/2	2,328.12	1/2	1,968.78	1/2	1,609.44	1/2	1,250.09	1/2	891.12	1/2	531.88	1/2	172.54	1/2		1/2		1/2	
3/4	2,320.63	3/4	1,961.29	3/4	1,601.95	3/4	1,242.61	3/4	883.65	3/4	524.39	3/4	165.06	3/4		3/4		3/4	
10	2,313.15	10	1,953.81	10	1,594.46	10	1,235.12	10	876.17	10	516.90	10	157.57	10		10		10	
1/4	2,305.66	1/4	1,946.32	1/4	1,586.98	1/4	1,227.63	1/4	868.70	1/4	509.42	1/4	150.08	1/4		1/4		1/4	
1/2	2,298.18	1/2	1,938.83	1/2	1,579.49	1/2	1,220.15	1/2	861.23	1/2	501.93	1/2	142.60	1/2		1/2		1/2	
3/4	2,290.69	3/4	1,931.35	3/4	1,572.00	3/4	1,212.66	3/4	853.75	3/4	494.44	3/4	135.11	3/4		3/4		3/4	
11	2,283.20	11	1,923.86	11	1,564.52	11	1,205.18	11	846.27	11	486.96	11	127.63	11		11		11	
1/4	2,275.72	1/4	1,916.37	1/4	1,557.03	1/4	1,197.69	1/4	838.79	1/4	479.47	1/4	120.14	1/4		1/4		1/4	
1/2	2,268.23	1/2	1,908.89	1/2	1,549.55	1/2	1,190.20	1/2	831.31	1/2	471.99	1/2	112.65	1/2		1/2		1/2	
3/4	2,260.74	3/4	1,901.40	3/4	1,542.06	3/4	1,182.72	3/4	823.83	3/4	464.50	3/4	105.17	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/16/2013 CL - SW  
RECALCULATED: 06/08/2018 CL  
VERIFIED: 05/17/2023 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2023

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



# BARGE "HTCO 3097"

## 3 PORT ULLAGE TABLE

### HERMETIC

GAUGE HEIGHT 17'-02 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	4,594.17	0	4,360.38	0	4,113.68	0	3,866.24	0	3,618.78	0	3,283.07	0	2,926.25
1/4		1/4		1/4		1/4	4,591.72	1/4	4,355.27	1/4	4,108.54	1/4	3,861.08	1/4	3,613.63	1/4	3,275.65	1/4	2,918.81
1/2		1/2		1/2		1/2	4,588.20	1/2	4,350.14	1/2	4,103.38	1/2	3,855.93	1/2	3,608.47	1/2	3,268.23	1/2	2,911.37
3/4		3/4		3/4		3/4	4,584.68	3/4	4,345.01	3/4	4,098.23	3/4	3,850.77	3/4	3,603.32	3/4	3,260.80	3/4	2,903.94
1		1		1		1	4,581.17	1	4,339.88	1	4,093.07	1	3,845.62	1	3,598.16	1	3,253.38	1	2,896.50
1/4		1/4		1/4		1/4	4,577.65	1/4	4,334.75	1/4	4,087.92	1/4	3,840.46	1/4	3,593.01	1/4	3,245.95	1/4	2,889.06
1/2		1/2		1/2		1/2	4,573.13	1/2	4,329.61	1/2	4,082.76	1/2	3,835.31	1/2	3,587.28	1/2	3,238.52	1/2	2,881.62
3/4		3/4		3/4		3/4	4,568.62	3/4	4,324.47	3/4	4,077.60	3/4	3,830.15	3/4	3,581.55	3/4	3,231.08	3/4	2,874.19
2		2		2		2	4,564.10	2	4,319.33	2	4,072.45	2	3,825.00	2	3,575.82	2	3,223.65	2	2,866.75
1/4		1/4		1/4		1/4	4,559.58	1/4	4,314.19	1/4	4,067.29	1/4	3,819.84	1/4	3,570.09	1/4	3,216.21	1/4	2,859.31
1/2		1/2		1/2		1/2	4,554.53	1/2	4,309.05	1/2	4,062.14	1/2	3,814.68	1/2	3,563.22	1/2	3,208.78	1/2	2,851.87
3/4		3/4		3/4		3/4	4,549.48	3/4	4,303.91	3/4	4,056.98	3/4	3,809.53	3/4	3,556.35	3/4	3,201.35	3/4	2,844.44
3		3		3		3	4,544.44	3	4,298.77	3	4,051.83	3	3,804.37	3	3,549.49	3	3,193.91	3	2,837.00
1/4		1/4		1/4		1/4	4,539.39	1/4	4,293.63	1/4	4,046.67	1/4	3,799.22	1/4	3,542.62	1/4	3,186.48	1/4	2,829.56
1/2		1/2		1/2		1/2	4,534.27	1/2	4,288.49	1/2	4,041.52	1/2	3,794.06	1/2	3,535.20	1/2	3,179.04	1/2	2,822.12
3/4		3/4		3/4		3/4	4,529.15	3/4	4,283.35	3/4	4,036.36	3/4	3,788.91	3/4	3,527.77	3/4	3,171.61	3/4	2,814.69
4		4		4		4	4,524.04	4	4,278.21	4	4,031.21	4	3,783.75	4	3,520.35	4	3,164.17	4	2,807.25
1/4		1/4		1/4		1/4	4,518.92	1/4	4,273.07	1/4	4,026.05	1/4	3,778.60	1/4	3,512.92	1/4	3,156.74	1/4	2,799.81
1/2		1/2		1/2		1/2	4,513.81	1/2	4,267.93	1/2	4,020.90	1/2	3,773.44	1/2	3,505.50	1/2	3,149.30	1/2	2,792.37
3/4		3/4		3/4		3/4	4,508.69	3/4	4,262.78	3/4	4,015.74	3/4	3,768.29	3/4	3,498.08	3/4	3,141.87	3/4	2,784.94
5		5		5		5	4,503.57	5	4,257.64	5	4,010.59	5	3,763.13	5	3,490.66	5	3,134.43	5	2,777.50
1/4		1/4		1/4		1/4	4,498.46	1/4	4,252.50	1/4	4,005.43	1/4	3,757.98	1/4	3,483.24	1/4	3,127.00	1/4	2,770.06
1/2		1/2		1/2		1/2	4,493.34	1/2	4,247.36	1/2	4,000.28	1/2	3,752.82	1/2	3,475.83	1/2	3,119.56	1/2	2,762.63
3/4		3/4		3/4		3/4	4,488.22	3/4	4,242.22	3/4	3,995.12	3/4	3,747.67	3/4	3,468.42	3/4	3,112.13	3/4	2,755.19
6		6		6		6	4,483.11	6	4,237.08	6	3,989.96	6	3,742.51	6	3,461.00	6	3,104.69	6	2,747.75
1/4		1/4		1/4		1/4	4,477.99	1/4	4,231.94	1/4	3,984.81	1/4	3,737.36	1/4	3,453.59	1/4	3,097.26	1/4	2,740.31
1/2		1/2		1/2		1/2	4,472.88	1/2	4,226.80	1/2	3,979.65	1/2	3,732.20	1/2	3,446.17	1/2	3,089.82	1/2	2,732.88
3/4		3/4		3/4		3/4	4,467.76	3/4	4,221.66	3/4	3,974.50	3/4	3,727.04	3/4	3,438.76	3/4	3,082.39	3/4	2,725.44
7		7		7		7	4,462.65	7	4,216.52	7	3,969.34	7	3,721.89	7	3,431.35	7	3,074.96	7	2,718.00
1/4		1/4		1/4		1/4	4,457.53	1/4	4,211.38	1/4	3,964.19	1/4	3,716.73	1/4	3,423.93	1/4	3,067.52	1/4	2,710.56
1/2		1/2		1/2		1/2	4,452.42	1/2	4,206.24	1/2	3,959.03	1/2	3,711.58	1/2	3,416.52	1/2	3,060.09	1/2	2,703.13
3/4		3/4		3/4		3/4	4,447.31	3/4	4,201.10	3/4	3,953.88	3/4	3,706.42	3/4	3,409.10	3/4	3,052.65	3/4	2,695.69
8		8		8		8	4,442.19	8	4,195.96	8	3,948.72	8	3,701.27	8	3,401.69	8	3,045.22	8	2,688.25
1/4		1/4		1/4		1/4	4,437.08	1/4	4,190.82	1/4	3,943.57	1/4	3,696.11	1/4	3,394.28	1/4	3,037.78	1/4	2,680.81
1/2		1/2		1/2		1/2	4,431.97	1/2	4,185.67	1/2	3,938.41	1/2	3,690.96	1/2	3,386.86	1/2	3,030.35	1/2	2,673.38
3/4		3/4		3/4		3/4	4,426.85	3/4	4,180.53	3/4	3,933.26	3/4	3,685.80	3/4	3,379.45	3/4	3,022.91	3/4	2,665.94
9		9		9		9	4,421.74	9	4,175.39	9	3,928.10	9	3,680.65	9	3,372.03	9	3,015.48	9	2,658.50
1/4		1/4		1/4		1/4	4,416.63	1/4	4,170.25	1/4	3,922.95	1/4	3,675.49	1/4	3,364.62	1/4	3,008.04	1/4	2,651.06
1/2		1/2		1/2		1/2	4,411.51	1/2	4,165.11	1/2	3,917.79	1/2	3,670.34	1/2	3,357.21	1/2	3,000.61	1/2	2,643.63
3/4		3/4		3/4		3/4	4,406.40	3/4	4,159.97	3/4	3,912.64	3/4	3,665.18	3/4	3,349.79	3/4	2,993.17	3/4	2,636.19
10		10		10		10	4,401.29	10	4,154.83	10	3,907.48	10	3,660.03	10	3,342.38	10	2,985.74	10	2,628.75
1/4		1/4		1/4		1/4	4,396.17	1/4	4,149.69	1/4	3,902.32	1/4	3,654.87	1/4	3,334.96	1/4	2,978.30	1/4	2,621.31
1/2		1/2		1/2		1/2	4,391.06	1/2	4,144.55	1/2	3,897.17	1/2	3,649.71	1/2	3,327.55	1/2	2,970.87	1/2	2,613.87
3/4		3/4		3/4		3/4	4,385.95	3/4	4,139.41	3/4	3,892.01	3/4	3,644.56	3/4	3,320.14	3/4	2,963.43	3/4	2,606.43
11		11		11		11	4,380.83	11	4,134.27	11	3,886.86	11	3,639.40	11	3,312.72	11	2,956.00	11	2,598.99
1/4		1/4		1/4		1/4	4,375.72	1/4	4,129.13	1/4	3,881.70	1/4	3,634.25	1/4	3,305.31	1/4	2,948.56	1/4	2,591.55
1/2		1/2		1/2		1/2	4,370.61	1/2	4,123.98	1/2	3,876.55	1/2	3,629.09	1/2	3,297.89	1/2	2,941.12	1/2	2,584.11
3/4		3/4		3/4		3/4	4,365.49	3/4	4,118.83	3/4	3,871.39	3/4	3,623.94	3/4	3,290.48	3/4	2,933.69	3/4	2,576.66

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 42'-00" FORWARD OF AFT BULKHEAD.

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

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



# BARGE "HTCO 3097"

## 3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-02 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	2,569.22	0	2,213.42	0	1,858.77	0	1,501.43	0	1,145.13	0	797.54	0	440.00	0	82.43	0		0	
1/4	2,561.77	1/4	2,206.04	1/4	1,851.33	1/4	1,493.98	1/4	1,137.90	1/4	790.09	1/4	432.55	1/4	74.97	1/4		1/4	
1/2	2,554.33	1/2	2,198.66	1/2	1,843.88	1/2	1,486.54	1/2	1,130.67	1/2	782.64	1/2	425.10	1/2	67.98	1/2		1/2	
3/4	2,546.88	3/4	2,191.27	3/4	1,836.44	3/4	1,479.09	3/4	1,123.44	3/4	775.19	3/4	417.65	3/4	60.99	3/4		3/4	
1	2,539.44	1	2,183.89	1	1,828.99	1	1,471.65	1	1,116.21	1	767.74	1	410.21	1	53.99	1		1	
1/4	2,531.99	1/4	2,176.51	1/4	1,821.55	1/4	1,464.20	1/4	1,108.99	1/4	760.29	1/4	402.76	1/4	47.00	1/4		1/4	
1/2	2,524.55	1/2	2,169.13	1/2	1,814.10	1/2	1,456.76	1/2	1,101.76	1/2	752.84	1/2	395.31	1/2	41.40	1/2		1/2	
3/4	2,517.10	3/4	2,161.75	3/4	1,806.66	3/4	1,449.31	3/4	1,094.54	3/4	745.40	3/4	387.86	3/4	35.81	3/4		3/4	
2	2,509.66	2	2,154.36	2	1,799.21	2	1,441.87	2	1,087.32	2	737.95	2	380.42	2	30.21	2		2	
1/4	2,502.21	1/4	2,146.98	1/4	1,791.77	1/4	1,434.42	1/4	1,080.10	1/4	730.50	1/4	372.97	1/4	24.61	1/4		1/4	
1/2	2,494.79	1/2	2,139.60	1/2	1,784.33	1/2	1,426.98	1/2	1,072.88	1/2	723.05	1/2	365.52	1/2	20.88	1/2		1/2	
3/4	2,487.36	3/4	2,132.22	3/4	1,776.88	3/4	1,419.54	3/4	1,065.66	3/4	715.60	3/4	358.07	3/4		3/4		3/4	
3	2,479.94	3	2,124.84	3	1,769.44	3	1,412.09	3	1,058.44	3	708.15	3	350.63	3		3		3	
1/4	2,472.51	1/4	2,117.46	1/4	1,761.99	1/4	1,404.65	1/4	1,051.23	1/4	700.70	1/4	343.18	1/4		1/4		1/4	
1/2	2,465.11	1/2	2,110.07	1/2	1,754.55	1/2	1,397.20	1/2	1,044.01	1/2	693.25	1/2	335.73	1/2		1/2		1/2	
3/4	2,457.70	3/4	2,102.69	3/4	1,747.10	3/4	1,389.76	3/4	1,036.80	3/4	685.80	3/4	328.28	3/4		3/4		3/4	
4	2,450.29	4	2,095.31	4	1,739.66	4	1,382.31	4	1,029.58	4	678.36	4	320.84	4		4		4	
1/4	2,442.89	1/4	2,087.93	1/4	1,732.21	1/4	1,374.87	1/4	1,022.37	1/4	670.91	1/4	313.39	1/4		1/4		1/4	
1/2	2,435.48	1/2	2,080.55	1/2	1,724.77	1/2	1,367.42	1/2	1,015.15	1/2	663.46	1/2	305.94	1/2		1/2		1/2	
3/4	2,428.08	3/4	2,073.16	3/4	1,717.32	3/4	1,359.98	3/4	1,007.94	3/4	656.01	3/4	298.49	3/4		3/4		3/4	
5	2,420.67	5	2,065.78	5	1,709.88	5	1,352.53	5	1,000.72	5	648.56	5	291.05	5		5		5	
1/4	2,413.26	1/4	2,058.40	1/4	1,702.43	1/4	1,345.09	1/4	993.51	1/4	641.11	1/4	283.60	1/4		1/4		1/4	
1/2	2,405.86	1/2	2,051.02	1/2	1,694.99	1/2	1,337.64	1/2	986.29	1/2	633.66	1/2	276.15	1/2		1/2		1/2	
3/4	2,398.45	3/4	2,043.64	3/4	1,687.54	3/4	1,330.20	3/4	979.08	3/4	626.21	3/4	268.70	3/4		3/4		3/4	
6	2,391.04	6	2,036.26	6	1,680.10	6	1,322.75	6	971.86	6	618.76	6	261.25	6		6		6	
1/4	2,383.64	1/4	2,028.87	1/4	1,672.66	1/4	1,315.31	1/4	964.65	1/4	611.32	1/4	253.81	1/4		1/4		1/4	
1/2	2,376.23	1/2	2,021.49	1/2	1,665.21	1/2	1,307.86	1/2	957.43	1/2	603.87	1/2	246.36	1/2		1/2		1/2	
3/4	2,368.83	3/4	2,014.11	3/4	1,657.77	3/4	1,300.42	3/4	950.22	3/4	596.42	3/4	238.91	3/4		3/4		3/4	
7	2,361.42	7	2,006.73	7	1,650.32	7	1,292.98	7	943.00	7	588.97	7	231.46	7		7		7	
1/4	2,354.01	1/4	1,999.35	1/4	1,642.88	1/4	1,285.53	1/4	935.79	1/4	581.52	1/4	224.01	1/4		1/4		1/4	
1/2	2,346.61	1/2	1,991.96	1/2	1,635.43	1/2	1,278.09	1/2	928.58	1/2	574.07	1/2	216.57	1/2		1/2		1/2	
3/4	2,339.20	3/4	1,984.58	3/4	1,627.99	3/4	1,270.64	3/4	921.36	3/4	566.62	3/4	209.12	3/4		3/4		3/4	
8	2,331.79	8	1,977.20	8	1,620.54	8	1,263.20	8	914.15	8	559.17	8	201.67	8		8		8	
1/4	2,324.39	1/4	1,969.82	1/4	1,613.10	1/4	1,255.75	1/4	906.93	1/4	551.72	1/4	194.22	1/4		1/4		1/4	
1/2	2,316.98	1/2	1,962.44	1/2	1,605.65	1/2	1,248.31	1/2	899.72	1/2	544.28	1/2	186.77	1/2		1/2		1/2	
3/4	2,309.58	3/4	1,955.06	3/4	1,598.21	3/4	1,240.86	3/4	892.50	3/4	536.83	3/4	179.32	3/4		3/4		3/4	
9	2,302.17	9	1,947.67	9	1,590.76	9	1,233.42	9	885.29	9	529.38	9	171.87	9		9		9	
1/4	2,294.76	1/4	1,940.29	1/4	1,583.32	1/4	1,225.97	1/4	878.07	1/4	521.93	1/4	164.42	1/4		1/4		1/4	
1/2	2,287.36	1/2	1,932.91	1/2	1,575.87	1/2	1,218.53	1/2	870.86	1/2	514.48	1/2	156.97	1/2		1/2		1/2	
3/4	2,279.95	3/4	1,925.53	3/4	1,568.43	3/4	1,211.08	3/4	863.64	3/4	507.03	3/4	149.52	3/4		3/4		3/4	
10	2,272.55	10	1,918.15	10	1,560.98	10	1,203.64	10	856.43	10	499.58	10	142.07	10		10		10	
1/4	2,265.14	1/4	1,910.77	1/4	1,553.54	1/4	1,196.19	1/4	849.21	1/4	492.13	1/4	134.62	1/4		1/4		1/4	
1/2	2,257.75	1/2	1,903.35	1/2	1,546.10	1/2	1,188.85	1/2	841.88	1/2	484.69	1/2	127.17	1/2		1/2		1/2	
3/4	2,250.35	3/4	1,895.94	3/4	1,538.65	3/4	1,181.52	3/4	834.55	3/4	477.24	3/4	119.71	3/4		3/4		3/4	
11	2,242.96	11	1,888.52	11	1,531.21	11	1,174.18	11	827.22	11	469.79	11	112.26	11		11		11	
1/4	2,235.56	1/4	1,881.11	1/4	1,523.76	1/4	1,166.84	1/4	819.89	1/4	462.34	1/4	104.81	1/4		1/4		1/4	
1/2	2,228.18	1/2	1,873.66	1/2	1,516.32	1/2	1,159.60	1/2	812.44	1/2	454.89	1/2	97.35	1/2		1/2		1/2	
3/4	2,220.80	3/4	1,866.22	3/4	1,508.87	3/4	1,152.37	3/4	804.99	3/4	447.44	3/4	89.89	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/16/2013 CL - SW  
RECALCULATED: 06/08/2018 CL  
VERIFIED: 05/17/2023 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2023

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



# BARGE "HTCO 3097"

## 3 STBD

### ULLAGE TABLE

### HERMETIC

#### GAUGE HEIGHT 17'-02 3/4"

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	4,387.30	0	4,140.57	0	3,893.06	0	3,645.55	0	3,311.58	0	2,954.00
1/4		1/4		1/4		1/4	4,616.05	1/4	4,382.19	1/4	4,135.42	1/4	3,887.91	1/4	3,640.39	1/4	3,304.15	1/4	2,946.55
1/2		1/2		1/2		1/2	4,613.60	1/2	4,377.07	1/2	4,130.27	1/2	3,882.75	1/2	3,635.23	1/2	3,296.72	1/2	2,939.10
3/4		3/4		3/4		3/4	4,610.08	3/4	4,371.94	3/4	4,125.11	3/4	3,877.59	3/4	3,630.08	3/4	3,289.28	3/4	2,931.64
1		1		1		1	4,366.56	1	4,366.82	1	4,119.95	1	3,872.44	1	3,624.92	1	3,281.84	1	2,924.19
1/4		1/4		1/4		1/4	4,603.04	1/4	4,361.69	1/4	4,114.80	1/4	3,867.28	1/4	3,619.76	1/4	3,274.40	1/4	2,916.73
1/2		1/2		1/2		1/2	4,599.52	1/2	4,356.56	1/2	4,109.64	1/2	3,862.12	1/2	3,614.61	1/2	3,266.96	1/2	2,909.28
3/4		3/4		3/4		3/4	4,595.00	3/4	4,351.42	3/4	4,104.48	3/4	3,856.97	3/4	3,608.87	3/4	3,259.50	3/4	2,901.83
2		2		2		2	4,590.49	2	4,346.28	2	4,099.33	2	3,851.81	2	3,603.14	2	3,252.05	2	2,894.37
1/4		1/4		1/4		1/4	4,585.97	1/4	4,341.13	1/4	4,094.17	1/4	3,846.65	1/4	3,597.41	1/4	3,244.60	1/4	2,886.92
1/2		1/2		1/2		1/2	4,581.45	1/2	4,335.99	1/2	4,089.01	1/2	3,841.50	1/2	3,591.68	1/2	3,237.15	1/2	2,879.47
3/4		3/4		3/4		3/4	4,576.40	3/4	4,330.85	3/4	4,083.86	3/4	3,836.34	3/4	3,584.81	3/4	3,229.70	3/4	2,872.01
3		3		3		3	4,571.35	3	4,325.71	3	4,078.70	3	3,831.18	3	3,577.94	3	3,222.25	3	2,864.56
1/4		1/4		1/4		1/4	4,566.29	1/4	4,320.56	1/4	4,073.54	1/4	3,826.03	1/4	3,571.08	1/4	3,214.80	1/4	2,857.10
1/2		1/2		1/2		1/2	4,561.24	1/2	4,315.42	1/2	4,068.39	1/2	3,820.87	1/2	3,564.21	1/2	3,207.35	1/2	2,849.65
3/4		3/4		3/4		3/4	4,556.13	3/4	4,310.28	3/4	4,063.23	3/4	3,815.71	3/4	3,556.78	3/4	3,199.90	3/4	2,842.20
4		4		4		4	4,551.01	4	4,305.14	4	4,058.07	4	3,810.56	4	3,549.35	4	3,192.45	4	2,834.74
1/4		1/4		1/4		1/4	4,545.89	1/4	4,300.00	1/4	4,052.92	1/4	3,805.40	1/4	3,541.92	1/4	3,184.99	1/4	2,827.29
1/2		1/2		1/2		1/2	4,540.77	1/2	4,294.85	1/2	4,047.76	1/2	3,800.24	1/2	3,534.49	1/2	3,177.54	1/2	2,819.84
3/4		3/4		3/4		3/4	4,535.66	3/4	4,289.71	3/4	4,042.60	3/4	3,795.09	3/4	3,527.06	3/4	3,170.09	3/4	2,812.38
5		5		5		5	4,530.54	5	4,284.57	5	4,037.45	5	3,789.93	5	3,519.63	5	3,162.64	5	2,804.93
1/4		1/4		1/4		1/4	4,525.42	1/4	4,279.43	1/4	4,032.29	1/4	3,784.77	1/4	3,512.20	1/4	3,155.19	1/4	2,797.48
1/2		1/2		1/2		1/2	4,520.30	1/2	4,274.28	1/2	4,027.13	1/2	3,779.62	1/2	3,504.77	1/2	3,147.74	1/2	2,790.02
3/4		3/4		3/4		3/4	4,515.19	3/4	4,269.14	3/4	4,021.98	3/4	3,774.46	3/4	3,497.34	3/4	3,140.29	3/4	2,782.57
6		6		6		6	4,510.07	6	4,264.00	6	4,016.82	6	3,769.30	6	3,489.91	6	3,132.84	6	2,775.11
1/4		1/4		1/4		1/4	4,504.95	1/4	4,258.86	1/4	4,011.66	1/4	3,764.15	1/4	3,482.48	1/4	3,125.39	1/4	2,767.66
1/2		1/2		1/2		1/2	4,499.83	1/2	4,253.72	1/2	4,006.51	1/2	3,758.99	1/2	3,475.05	1/2	3,117.94	1/2	2,760.21
3/4		3/4		3/4		3/4	4,494.72	3/4	4,248.57	3/4	4,001.35	3/4	3,753.83	3/4	3,467.62	3/4	3,110.48	3/4	2,752.75
7		7		7		7	4,489.60	7	4,243.43	7	3,996.19	7	3,748.68	7	3,460.18	7	3,103.03	7	2,745.30
1/4		1/4		1/4		1/4	4,484.49	1/4	4,238.29	1/4	3,991.04	1/4	3,743.52	1/4	3,452.75	1/4	3,095.58	1/4	2,737.85
1/2		1/2		1/2		1/2	4,479.37	1/2	4,233.15	1/2	3,985.88	1/2	3,738.36	1/2	3,445.32	1/2	3,088.13	1/2	2,730.39
3/4		3/4		3/4		3/4	4,474.25	3/4	4,228.00	3/4	3,980.72	3/4	3,733.21	3/4	3,437.89	3/4	3,080.68	3/4	2,722.94
8		8		8		8	4,469.14	8	4,222.86	8	3,975.57	8	3,728.05	8	3,430.46	8	3,073.23	8	2,715.48
1/4		1/4		1/4		1/4	4,464.02	1/4	4,217.72	1/4	3,970.41	1/4	3,722.89	1/4	3,423.03	1/4	3,065.78	1/4	2,708.03
1/2		1/2		1/2		1/2	4,458.91	1/2	4,212.58	1/2	3,965.25	1/2	3,717.74	1/2	3,415.60	1/2	3,058.33	1/2	2,700.58
3/4		3/4		3/4		3/4	4,453.80	3/4	4,207.44	3/4	3,960.10	3/4	3,712.58	3/4	3,408.17	3/4	3,050.88	3/4	2,693.12
9		9		9		9	4,448.68	9	4,202.29	9	3,954.94	9	3,707.42	9	3,400.74	9	3,043.43	9	2,685.67
1/4		1/4		1/4		1/4	4,443.57	1/4	4,197.15	1/4	3,949.78	1/4	3,702.27	1/4	3,393.31	1/4	3,035.97	1/4	2,678.22
1/2		1/2		1/2		1/2	4,438.45	1/2	4,192.01	1/2	3,944.63	1/2	3,697.11	1/2	3,385.88	1/2	3,028.52	1/2	2,670.76
3/4		3/4		3/4		3/4	4,433.34	3/4	4,186.87	3/4	3,939.47	3/4	3,691.95	3/4	3,378.45	3/4	3,021.07	3/4	2,663.31
10		10		10		10	4,428.22	10	4,181.72	10	3,934.32	10	3,686.80	10	3,371.02	10	3,013.62	10	2,655.85
1/4		1/4		1/4		1/4	4,423.11	1/4	4,176.58	1/4	3,929.16	1/4	3,681.64	1/4	3,363.59	1/4	3,006.17	1/4	2,648.40
1/2		1/2		1/2		1/2	4,417.99	1/2	4,171.44	1/2	3,924.00	1/2	3,676.49	1/2	3,356.16	1/2	2,998.72	1/2	2,640.95
3/4		3/4		3/4		3/4	4,412.88	3/4	4,166.30	3/4	3,918.85	3/4	3,671.33	3/4	3,348.73	3/4	2,991.27	3/4	2,633.49
11		11		11		11	4,407.76	11	4,161.16	11	3,913.69	11	3,666.17	11	3,341.30	11	2,983.81	11	2,626.03
1/4		1/4		1/4		1/4	4,402.65	1/4	4,156.01	1/4	3,908.53	1/4	3,661.02	1/4	3,333.87	1/4	2,976.36	1/4	2,618.57
1/2		1/2		1/2		1/2	4,397.53	1/2	4,150.87	1/2	3,903.38	1/2	3,655.86	1/2	3,326.44	1/2	2,968.91	1/2	2,611.11
3/4		3/4		3/4		3/4	4,392.42	3/4	4,145.72	3/4	3,898.22	3/4	3,650.70	3/4	3,319.01	3/4	2,961.46	3/4	2,603.65

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 42'-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 3097"

## 3 STBD

### ULLAGE TABLE

### HERMETIC

#### GAUGE HEIGHT 17'-02 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,596.19	0	2,238.06	0	1,879.94	0	1,521.82	0	1,163.69	0	806.12	0	448.01	0	89.89	0		0	
1/4	2,588.73	1/4	2,230.60	1/4	1,872.48	1/4	1,514.36	1/4	1,156.23	1/4	798.66	1/4	440.54	1/4	82.43	1/4		1/4	
1/2	2,581.26	1/2	2,223.14	1/2	1,865.02	1/2	1,506.89	1/2	1,148.77	1/2	791.20	1/2	433.08	1/2	74.97	1/2		1/2	
3/4	2,573.80	3/4	2,215.68	3/4	1,857.56	3/4	1,499.43	3/4	1,141.31	3/4	783.74	3/4	425.62	3/4	67.98	3/4		3/4	
1	2,566.34	1	2,208.22	1	1,850.10	1	1,491.97	1	1,133.86	1	776.28	1	418.16	1	60.98	1		1	
1/4	2,558.88	1/4	2,200.76	1/4	1,842.64	1/4	1,484.51	1/4	1,126.40	1/4	768.82	1/4	410.70	1/4	53.99	1/4		1/4	
1/2	2,551.42	1/2	2,193.30	1/2	1,835.17	1/2	1,477.05	1/2	1,118.94	1/2	761.36	1/2	403.24	1/2	46.99	1/2		1/2	
3/4	2,543.96	3/4	2,185.84	3/4	1,827.71	3/4	1,469.59	3/4	1,111.49	3/4	753.89	3/4	395.78	3/4	41.40	3/4		3/4	
2	2,536.50	2	2,178.38	2	1,820.25	2	1,462.13	2	1,104.04	2	746.43	2	388.32	2	35.80	2		2	
1/4	2,529.04	1/4	2,170.91	1/4	1,812.79	1/4	1,454.67	1/4	1,096.58	1/4	738.97	1/4	380.86	1/4	30.21	1/4		1/4	
1/2	2,521.58	1/2	2,163.45	1/2	1,805.33	1/2	1,447.21	1/2	1,089.13	1/2	731.51	1/2	373.40	1/2	24.61	1/2		1/2	
3/4	2,514.12	3/4	2,155.99	3/4	1,797.87	3/4	1,439.75	3/4	1,081.68	3/4	724.05	3/4	365.94	3/4	20.88	3/4		3/4	
3	2,506.66	3	2,148.53	3	1,790.41	3	1,432.29	3	1,074.23	3	716.59	3	358.48	3		3		3	
1/4	2,499.19	1/4	2,141.07	1/4	1,782.95	1/4	1,424.82	1/4	1,066.78	1/4	709.13	1/4	351.02	1/4		1/4		1/4	
1/2	2,491.73	1/2	2,133.61	1/2	1,775.49	1/2	1,417.36	1/2	1,059.34	1/2	701.67	1/2	343.56	1/2		1/2		1/2	
3/4	2,484.27	3/4	2,126.15	3/4	1,768.03	3/4	1,409.90	3/4	1,051.89	3/4	694.21	3/4	336.10	3/4		3/4		3/4	
4	2,476.81	4	2,118.69	4	1,760.57	4	1,402.44	4	1,044.44	4	686.75	4	328.63	4		4		4	
1/4	2,469.35	1/4	2,111.23	1/4	1,753.10	1/4	1,394.98	1/4	1,037.00	1/4	679.29	1/4	321.17	1/4		1/4		1/4	
1/2	2,461.89	1/2	2,103.77	1/2	1,745.64	1/2	1,387.52	1/2	1,029.55	1/2	671.83	1/2	313.71	1/2		1/2		1/2	
3/4	2,454.43	3/4	2,096.31	3/4	1,738.18	3/4	1,380.06	3/4	1,022.11	3/4	664.37	3/4	306.25	3/4		3/4		3/4	
5	2,446.97	5	2,088.84	5	1,730.72	5	1,372.60	5	1,014.66	5	656.91	5	298.79	5		5		5	
1/4	2,439.51	1/4	2,081.38	1/4	1,723.26	1/4	1,365.14	1/4	1,007.22	1/4	649.44	1/4	291.33	1/4		1/4		1/4	
1/2	2,432.05	1/2	2,073.92	1/2	1,715.80	1/2	1,357.68	1/2	999.77	1/2	641.98	1/2	283.87	1/2		1/2		1/2	
3/4	2,424.59	3/4	2,066.46	3/4	1,708.34	3/4	1,350.22	3/4	992.32	3/4	634.52	3/4	276.41	3/4		3/4		3/4	
6	2,417.12	6	2,059.00	6	1,700.88	6	1,342.75	6	984.88	6	627.06	6	268.95	6		6		6	
1/4	2,409.66	1/4	2,051.54	1/4	1,693.42	1/4	1,335.29	1/4	977.43	1/4	619.60	1/4	261.49	1/4		1/4		1/4	
1/2	2,402.20	1/2	2,044.08	1/2	1,685.96	1/2	1,327.83	1/2	969.99	1/2	612.14	1/2	254.03	1/2		1/2		1/2	
3/4	2,394.74	3/4	2,036.62	3/4	1,678.50	3/4	1,320.37	3/4	962.54	3/4	604.68	3/4	246.57	3/4		3/4		3/4	
7	2,387.28	7	2,029.16	7	1,671.03	7	1,312.91	7	955.10	7	597.22	7	239.11	7		7		7	
1/4	2,379.82	1/4	2,021.70	1/4	1,663.57	1/4	1,305.45	1/4	947.65	1/4	589.76	1/4	231.65	1/4		1/4		1/4	
1/2	2,372.36	1/2	2,014.24	1/2	1,656.11	1/2	1,297.99	1/2	940.20	1/2	582.30	1/2	224.18	1/2		1/2		1/2	
3/4	2,364.90	3/4	2,006.77	3/4	1,648.65	3/4	1,290.53	3/4	932.76	3/4	574.84	3/4	216.72	3/4		3/4		3/4	
8	2,357.44	8	1,999.31	8	1,641.19	8	1,283.07	8	925.31	8	567.38	8	209.26	8		8		8	
1/4	2,349.98	1/4	1,991.85	1/4	1,633.73	1/4	1,275.61	1/4	917.87	1/4	559.92	1/4	201.80	1/4		1/4		1/4	
1/2	2,342.52	1/2	1,984.39	1/2	1,626.27	1/2	1,268.15	1/2	910.42	1/2	552.46	1/2	194.34	1/2		1/2		1/2	
3/4	2,335.05	3/4	1,976.93	3/4	1,618.81	3/4	1,260.68	3/4	902.98	3/4	544.99	3/4	186.88	3/4		3/4		3/4	
9	2,327.59	9	1,969.47	9	1,611.35	9	1,253.22	9	895.53	9	537.53	9	179.42	9		9		9	
1/4	2,320.13	1/4	1,962.01	1/4	1,603.89	1/4	1,245.76	1/4	888.08	1/4	530.07	1/4	171.96	1/4		1/4		1/4	
1/2	2,312.67	1/2	1,954.55	1/2	1,596.43	1/2	1,238.30	1/2	880.64	1/2	522.61	1/2	164.50	1/2		1/2		1/2	
3/4	2,305.21	3/4	1,947.09	3/4	1,588.96	3/4	1,230.84	3/4	873.19	3/4	515.15	3/4	157.04	3/4		3/4		3/4	
10	2,297.75	10	1,939.63	10	1,581.50	10	1,223.38	10	865.75	10	507.69	10	149.58	10		10		10	
1/4	2,290.29	1/4	1,932.17	1/4	1,574.04	1/4	1,215.92	1/4	858.30	1/4	500.23	1/4	142.12	1/4		1/4		1/4	
1/2	2,282.83	1/2	1,924.71	1/2	1,566.58	1/2	1,208.46	1/2	850.86	1/2	492.77	1/2	134.66	1/2		1/2		1/2	
3/4	2,275.37	3/4	1,917.24	3/4	1,559.12	3/4	1,201.00	3/4	843.40	3/4	485.31	3/4	127.20	3/4		3/4		3/4	
11	2,267.91	11	1,909.78	11	1,551.66	11	1,193.54	11	835.95	11	477.85	11	119.73	11		11		11	
1/4	2,260.45	1/4	1,902.32	1/4	1,544.20	1/4	1,186.08	1/4	828.49	1/4	470.39	1/4	112.27	1/4		1/4		1/4	
1/2	2,252.98	1/2	1,894.86	1/2	1,536.74	1/2	1,178.62	1/2	821.04	1/2	462.93	1/2	104.81	1/2		1/2		1/2	
3/4	2,245.52	3/4	1,887.40	3/4	1,529.28	3/4	1,171.15	3/4	813.58	3/4	455.47	3/4	97.35	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/16/2013 CL - SW  
RECALCULATED: 06/08/2018 CL  
VERIFIED: 05/17/2023 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2023

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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