



# BARGE "HTCO 3010"

ULLAGE (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	- 02-0/8	02-0/8	- 04-1/8	04-1/8	- 06-1/8	06-1/8	- 08-1/8	08-1/8	- 10-1/4	10-1/4	- 12-2/8	12-2/8
1 STBD	- 02-0/8	02-0/8	- 04-1/8	04-1/8	- 06-1/8	06-1/8	- 08-1/8	08-1/8	- 10-1/4	10-1/4	- 12-2/8	12-2/8
2 PORT	- 02-1/8	02-1/8	- 04-1/8	04-1/8	- 06-1/4	06-1/4	- 08-1/4	08-1/4	- 10-3/8	10-3/8	- 12-3/8	12-3/8
2 STBD	- 02-1/8	02-1/8	- 04-1/8	04-1/8	- 06-1/4	06-1/4	- 08-1/4	08-1/4	- 10-3/8	10-3/8	- 12-3/8	12-3/8
3 PORT	02-1/4	- 02-1/4	04-3/8	- 04-3/8	06-1/2	- 06-1/2	08-3/4	- 08-3/4	11-0/8	- 11-0/8	13-1/4	- 13-1/4
3 STBD	02-1/4	- 02-1/4	04-3/8	- 04-3/8	06-1/2	- 06-1/2	08-3/4	- 08-3/4	11-0/8	- 11-0/8	13-1/4	- 13-1/4

(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 04-1/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-04 1/8"

LENGTH BETWEEN DRAFT MARKS: 237'-00"

April 27, 2018

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

<http://www.pmacorp.net>



# BARGE "HTCO 3010"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04"

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	5,033.63	0	4,737.80	0	4,370.51	0	4,003.21	0	3,635.92	0	3,268.62	0	2,901.32	0	2,534.03
1/4	1/4	1/4	1/4	1/4	5,031.12	1/4	4,730.15	1/4	4,362.86	1/4	3,995.56	1/4	3,628.27	1/4	3,260.97	1/4	2,893.67	1/4	2,526.38
1/2	1/2	1/2	1/2	1/2	5,028.60	1/2	4,722.50	1/2	4,355.20	1/2	3,987.90	1/2	3,620.61	1/2	3,253.31	1/2	2,886.02	1/2	2,518.72
3/4	3/4	3/4	3/4	3/4	5,026.09	3/4	4,714.85	3/4	4,347.55	3/4	3,980.25	3/4	3,612.96	3/4	3,245.66	3/4	2,878.37	3/4	2,511.07
1		1		1	5,023.57	1	4,707.20	1	4,339.90	1	3,972.60	1	3,605.31	1	3,238.01	1	2,870.72	1	2,503.42
1/4	1/4	1/4	1/4	1/4	5,020.18	1/4	4,699.55	1/4	4,332.25	1/4	3,964.95	1/4	3,597.66	1/4	3,230.36	1/4	2,863.07	1/4	2,495.77
1/2	1/2	1/2	1/2	1/2	5,016.79	1/2	4,691.90	1/2	4,324.59	1/2	3,957.30	1/2	3,590.00	1/2	3,222.70	1/2	2,855.41	1/2	2,488.11
3/4	3/4	3/4	3/4	3/4	5,013.40	3/4	4,684.24	3/4	4,316.94	3/4	3,949.65	3/4	3,582.35	3/4	3,215.05	3/4	2,847.76	3/4	2,480.46
2		2		2	5,010.01	2	4,676.59	2	4,309.29	2	3,942.00	2	3,574.70	2	3,207.40	2	2,840.11	2	2,472.81
1/4	1/4	1/4	1/4	1/4	5,005.74	1/4	4,668.94	1/4	4,301.64	1/4	3,934.35	1/4	3,567.05	1/4	3,199.75	1/4	2,832.46	1/4	2,465.16
1/2	1/2	1/2	1/2	1/2	5,001.48	1/2	4,661.29	1/2	4,293.98	1/2	3,926.69	1/2	3,559.39	1/2	3,192.10	1/2	2,824.80	1/2	2,457.50
3/4	3/4	3/4	3/4	3/4	4,997.21	3/4	4,653.63	3/4	4,286.33	3/4	3,919.04	3/4	3,551.74	3/4	3,184.45	3/4	2,817.15	3/4	2,449.85
3		3		3	4,992.95	3	4,645.98	3	4,278.68	3	3,911.39	3	3,544.09	3	3,176.80	3	2,809.50	3	2,442.20
1/4	1/4	1/4	1/4	1/4	4,987.81	1/4	4,638.33	1/4	4,271.03	1/4	3,903.74	1/4	3,536.44	1/4	3,169.15	1/4	2,801.85	1/4	2,434.55
1/2	1/2	1/2	1/2	1/2	4,982.67	1/2	4,630.68	1/2	4,263.38	1/2	3,896.08	1/2	3,528.78	1/2	3,161.49	1/2	2,794.19	1/2	2,426.90
3/4	3/4	3/4	3/4	3/4	4,977.54	3/4	4,623.02	3/4	4,255.73	3/4	3,888.43	3/4	3,521.13	3/4	3,153.84	3/4	2,786.54	3/4	2,419.25
4		4		4	4,972.40	4	4,615.37	4	4,248.08	4	3,880.78	4	3,513.48	4	3,146.19	4	2,778.89	4	2,411.60
1/4	1/4	1/4	1/4	1/4	4,966.39	1/4	4,607.72	1/4	4,240.43	1/4	3,873.13	1/4	3,505.83	1/4	3,138.54	1/4	2,771.24	1/4	2,403.95
1/2	1/2	1/2	1/2	1/2	4,960.37	1/2	4,600.07	1/2	4,232.77	1/2	3,865.47	1/2	3,498.18	1/2	3,130.88	1/2	2,763.58	1/2	2,396.29
3/4	3/4	3/4	3/4	3/4	4,954.36	3/4	4,592.41	3/4	4,225.12	3/4	3,857.82	3/4	3,490.53	3/4	3,123.23	3/4	2,755.93	3/4	2,388.64
5		5		5	4,948.35	5	4,584.76	5	4,217.47	5	3,850.17	5	3,482.88	5	3,115.58	5	2,748.28	5	2,380.99
1/4	1/4	1/4	1/4	1/4	4,941.46	1/4	4,577.11	1/4	4,209.82	1/4	3,842.52	1/4	3,475.23	1/4	3,107.93	1/4	2,740.63	1/4	2,373.34
1/2	1/2	1/2	1/2	1/2	4,934.58	1/2	4,569.46	1/2	4,202.16	1/2	3,834.86	1/2	3,467.57	1/2	3,100.27	1/2	2,732.98	1/2	2,365.68
3/4	3/4	3/4	3/4	3/4	4,927.69	3/4	4,561.81	3/4	4,194.51	3/4	3,827.21	3/4	3,459.92	3/4	3,092.62	3/4	2,725.33	3/4	2,358.03
6		6		6	4,920.80	6	4,554.16	6	4,186.86	6	3,819.56	6	3,452.27	6	3,084.97	6	2,717.68	6	2,350.38
1/4	1/4	1/4	1/4	1/4	4,913.31	1/4	4,546.51	1/4	4,179.21	1/4	3,811.91	1/4	3,444.62	1/4	3,077.32	1/4	2,710.03	1/4	2,342.73
1/2	1/2	1/2	1/2	1/2	4,905.82	1/2	4,538.86	1/2	4,171.55	1/2	3,804.26	1/2	3,436.96	1/2	3,069.66	1/2	2,702.37	1/2	2,335.07
3/4	3/4	3/4	3/4	3/4	4,898.33	3/4	4,531.20	3/4	4,163.90	3/4	3,796.61	3/4	3,429.31	3/4	3,062.01	3/4	2,694.72	3/4	2,327.42
7		7		7	4,890.84	7	4,523.55	7	4,156.25	7	3,788.96	7	3,421.66	7	3,054.36	7	2,687.07	7	2,319.77
1/4	1/4	1/4	1/4	1/4	4,883.19	1/4	4,515.90	1/4	4,148.60	1/4	3,781.31	1/4	3,414.01	1/4	3,046.71	1/4	2,679.42	1/4	2,312.12
1/2	1/2	1/2	1/2	1/2	4,875.54	1/2	4,508.25	1/2	4,140.94	1/2	3,773.65	1/2	3,406.35	1/2	3,039.06	1/2	2,671.76	1/2	2,304.46
3/4	3/4	3/4	3/4	3/4	4,867.89	3/4	4,500.59	3/4	4,133.29	3/4	3,766.00	3/4	3,398.70	3/4	3,031.41	3/4	2,664.11	3/4	2,296.81
8		8		8	4,860.24	8	4,492.94	8	4,125.64	8	3,758.35	8	3,391.05	8	3,023.76	8	2,656.46	8	2,289.16
1/4	1/4	1/4	1/4	1/4	4,852.59	1/4	4,485.29	1/4	4,117.99	1/4	3,750.70	1/4	3,383.40	1/4	3,016.11	1/4	2,648.81	1/4	2,281.51
1/2	1/2	1/2	1/2	1/2	4,844.94	1/2	4,477.63	1/2	4,110.34	1/2	3,743.04	1/2	3,375.74	1/2	3,008.45	1/2	2,641.15	1/2	2,273.86
3/4	3/4	3/4	3/4	3/4	4,837.28	3/4	4,469.98	3/4	4,102.69	3/4	3,735.39	3/4	3,368.09	3/4	3,000.80	3/4	2,633.50	3/4	2,266.21
9		9		9	4,829.63	9	4,462.33	9	4,095.04	9	3,727.74	9	3,360.44	9	2,993.15	9	2,625.85	9	2,258.56
1/4	1/4	1/4	1/4	1/4	4,821.98	1/4	4,454.68	1/4	4,087.39	1/4	3,720.09	1/4	3,352.79	1/4	2,985.50	1/4	2,618.20	1/4	2,250.91
1/2	1/2	1/2	1/2	1/2	5,043.90	1/2	4,447.02	1/2	4,079.73	1/2	3,712.43	1/2	3,345.14	1/2	2,977.84	1/2	2,610.54	1/2	2,243.25
3/4	3/4	3/4	3/4	3/4	5,043.74	3/4	4,439.37	3/4	4,072.08	3/4	3,704.78	3/4	3,337.49	3/4	2,970.19	3/4	2,602.89	3/4	2,235.60
10		10		10	5,043.41	10	4,431.72	10	4,064.43	10	3,697.13	10	3,329.84	10	2,962.54	10	2,595.24	10	2,227.95
1/4	1/4	1/4	1/4	1/4	5,042.61	1/4	4,424.07	1/4	4,056.78	1/4	3,689.48	1/4	3,322.19	1/4	2,954.89	1/4	2,587.59	1/4	2,220.30
1/2	1/2	1/2	1/2	1/2	5,041.80	1/2	4,416.42	1/2	4,049.12	1/2	3,681.82	1/2	3,314.53	1/2	2,947.23	1/2	2,579.94	1/2	2,212.64
3/4	3/4	3/4	3/4	3/4	5,041.00	3/4	4,408.77	3/4	4,041.47	3/4	3,674.17	3/4	3,306.88	3/4	2,939.58	3/4	2,572.29	3/4	2,204.99
11		11		11	5,040.19	11	4,401.12	11	4,033.82	11	3,666.52	11	3,299.23	11	2,931.93	11	2,564.64	11	2,197.34
1/4	1/4	1/4	1/4	1/4	5,038.55	1/4	4,760.76	1/4	4,393.47	1/4	4,026.17	1/4	3,658.87	1/4	3,291.58	1/4	2,556.99	1/4	2,189.69
1/2	1/2	1/2	1/2	1/2	5,036.91	1/2	4,753.11	1/2	4,385.82	1/2	4,018.51	1/2	3,651.22	1/2	3,283.92	1/2	2,916.62	1/2	2,182.03
3/4	3/4	3/4	3/4	3/4	5,035.27	3/4	4,745.45	3/4	4,378.16	3/4	4,010.86	3/4	3,643.57	3/4	3,276.27	3/4	2,908.97	3/4	2,174.38

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 TO (TOP LIP OF HERMETIC VALVE ON EXPANSION DOME).

GAUGE POINT: (HERMETIC) LOCATED 02'-06" OFF CENTERLINE AND 03'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
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<http://www.pmacorp.net>



# BARGE "HTCO 3010"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04"

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	2,166.73	0	1,799.44	0	1,432.14	0	1,064.84	0	707.85	0	371.64	0	57.22	0		0		0	
1/4	2,159.08	1/4	1,791.79	1/4	1,424.49	1/4	1,057.19	1/4	700.60	1/4	364.84	1/4	51.56	1/4	1/4	1/4		1/4	1/4
1/2	2,151.42	1/2	1,784.13	1/2	1,416.83	1/2	1,049.54	1/2	693.35	1/2	358.05	1/2	45.90	1/2	1/2	1/2		1/2	1/2
3/4	2,143.77	3/4	1,776.48	3/4	1,409.18	3/4	1,041.89	3/4	686.10	3/4	351.25	3/4	40.24	3/4	3/4	3/4		3/4	3/4
1	2,136.12	1	1,768.83	1	1,401.53	1	1,034.24	1	678.85	1	344.46	1	34.58	1	1	1		1	1
1/4	2,128.47	1/4	1,761.18	1/4	1,393.88	1/4	1,026.65	1/4	671.71	1/4	337.77	1/4	30.36	1/4	1/4	1/4		1/4	1/4
1/2	2,120.82	1/2	1,753.52	1/2	1,386.22	1/2	1,019.06	1/2	664.57	1/2	331.09	1/2	26.14	1/2	1/2	1/2		1/2	1/2
3/4	2,113.17	3/4	1,745.87	3/4	1,378.57	3/4	1,011.47	3/4	657.44	3/4	324.40	3/4	21.93	3/4	3/4	3/4		3/4	3/4
2	2,105.52	2	1,738.22	2	1,370.92	2	1,003.88	2	650.30	2	317.72	2	17.71	2	2	2		2	2
1/4	2,097.87	1/4	1,730.57	1/4	1,363.27	1/4	996.31	1/4	643.16	1/4	311.03	1/4	14.83	1/4	1/4	1/4		1/4	1/4
1/2	2,090.21	1/2	1,722.91	1/2	1,355.62	1/2	988.75	1/2	636.03	1/2	304.35	1/2	11.94	1/2	1/2	1/2		1/2	1/2
3/4	2,082.56	3/4	1,715.26	3/4	1,347.97	3/4	981.18	3/4	628.89	3/4	297.66	3/4	9.06	3/4	3/4	3/4		3/4	3/4
3	2,074.91	3	1,707.61	3	1,340.32	3	973.62	3	621.76	3	290.98	3	6.18	3	3	3		3	3
1/4	2,067.26	1/4	1,699.96	1/4	1,332.67	1/4	966.05	1/4	614.62	1/4	284.30	1/4	4.63	1/4	1/4	1/4		1/4	1/4
1/2	2,059.60	1/2	1,692.30	1/2	1,325.01	1/2	958.48	1/2	607.49	1/2	277.61	1/2	3.09	1/2	1/2	1/2		1/2	1/2
3/4	2,051.95	3/4	1,684.65	3/4	1,317.36	3/4	950.92	3/4	600.35	3/4	270.93	3/4	1.54	3/4	3/4	3/4		3/4	3/4
4	2,044.30	4	1,677.00	4	1,309.71	4	943.35	4	593.22	4	264.25	4	0.00	4	4	4		4	4
1/4	2,036.65	1/4	1,669.35	1/4	1,302.06	1/4	935.90	1/4	586.19	1/4	257.68	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,028.99	1/2	1,661.70	1/2	1,294.40	1/2	928.44	1/2	579.17	1/2	251.11	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,021.34	3/4	1,654.05	3/4	1,286.75	3/4	920.99	3/4	572.14	3/4	244.55	3/4		3/4	3/4	3/4		3/4	3/4
5	2,013.69	5	1,646.40	5	1,279.10	5	913.54	5	565.12	5	237.98	5		5	5	5		5	5
1/4	2,006.04	1/4	1,638.75	1/4	1,271.45	1/4	906.09	1/4	558.09	1/4	231.41	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,998.38	1/2	1,631.09	1/2	1,263.79	1/2	898.64	1/2	551.07	1/2	224.84	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,990.73	3/4	1,623.44	3/4	1,256.14	3/4	891.19	3/4	544.04	3/4	218.27	3/4		3/4	3/4	3/4		3/4	3/4
6	1,983.08	6	1,615.79	6	1,248.49	6	883.74	6	537.02	6	211.70	6		6	6	6		6	6
1/4	1,975.43	1/4	1,608.14	1/4	1,240.84	1/4	876.29	1/4	530.00	1/4	205.13	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,967.78	1/2	1,600.48	1/2	1,233.18	1/2	868.83	1/2	522.97	1/2	198.56	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,960.13	3/4	1,592.83	3/4	1,225.53	3/4	861.38	3/4	515.95	3/4	192.00	3/4		3/4	3/4	3/4		3/4	3/4
7	1,952.48	7	1,585.18	7	1,217.88	7	853.93	7	508.93	7	185.43	7		7	7	7		7	7
1/4	1,944.83	1/4	1,577.53	1/4	1,210.23	1/4	846.59	1/4	502.02	1/4	178.97	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,937.17	1/2	1,569.87	1/2	1,202.58	1/2	839.25	1/2	495.11	1/2	172.52	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,929.52	3/4	1,562.22	3/4	1,194.93	3/4	831.91	3/4	488.20	3/4	166.06	3/4		3/4	3/4	3/4		3/4	3/4
8	1,921.87	8	1,554.57	8	1,187.28	8	824.57	8	481.29	8	159.61	8		8	8	8		8	8
1/4	1,914.22	1/4	1,546.92	1/4	1,179.63	1/4	817.23	1/4	474.38	1/4	153.15	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,906.56	1/2	1,539.26	1/2	1,171.97	1/2	809.89	1/2	467.47	1/2	146.69	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,898.91	3/4	1,531.61	3/4	1,164.32	3/4	802.55	3/4	460.56	3/4	140.24	3/4		3/4	3/4	3/4		3/4	3/4
9	1,891.26	9	1,523.96	9	1,156.67	9	795.21	9	453.65	9	133.78	9		9	9	9		9	9
1/4	1,883.61	1/4	1,516.31	1/4	1,149.02	1/4	787.87	1/4	446.74	1/4	127.32	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,875.95	1/2	1,508.66	1/2	1,141.36	1/2	780.53	1/2	439.83	1/2	120.87	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,868.30	3/4	1,501.01	3/4	1,133.71	3/4	773.19	3/4	432.92	3/4	114.41	3/4		3/4	3/4	3/4		3/4	3/4
10	1,860.65	10	1,493.36	10	1,126.06	10	765.85	10	426.01	10	107.96	10		10	10	10		10	10
1/4	1,853.00	1/4	1,485.71	1/4	1,118.41	1/4	758.60	1/4	419.21	1/4	101.62	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,845.34	1/2	1,478.05	1/2	1,110.75	1/2	751.35	1/2	412.41	1/2	95.27	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,837.69	3/4	1,470.40	3/4	1,103.10	3/4	744.10	3/4	405.62	3/4	88.93	3/4		3/4	3/4	3/4		3/4	3/4
11	1,830.04	11	1,462.75	11	1,095.45	11	736.85	11	398.82	11	82.59	11		11	11	11		11	11
1/4	1,822.39	1/4	1,455.10	1/4	1,087.80	1/4	729.60	1/4	392.02	1/4	76.25	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,814.74	1/2	1,447.44	1/2	1,080.14	1/2	722.35	1/2	385.23	1/2	69.90	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,807.09	3/4	1,439.79	3/4	1,072.49	3/4	715.10	3/4	378.43	3/4	63.56	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/1995 INSP.  
RECOMPUTED: 04/27/2018 SW  
REPRINTED: 04/28/2018

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2018

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



# BARGE "HTCO 3010"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	5,036.91	0	4,753.11	0	4,385.82	0	4,018.51	0	3,651.22	0	3,283.92	0	2,916.62	0	2,549.33
1/4		1/4		1/4	5,035.27	1/4	4,745.45	1/4	4,378.16	1/4	4,010.86	1/4	3,643.57	1/4	3,276.27	1/4	2,908.97	1/4	2,541.68
1/2		1/2		1/2	5,033.63	1/2	4,737.80	1/2	4,370.51	1/2	4,003.21	1/2	3,635.92	1/2	3,268.62	1/2	2,901.32	1/2	2,534.03
3/4		3/4		3/4	5,031.12	3/4	4,730.15	3/4	4,362.86	3/4	3,995.56	3/4	3,628.27	3/4	3,260.97	3/4	2,893.67	3/4	2,526.38
1		1		1	5,028.60	1	4,722.50	1	4,355.20	1	3,987.90	1	3,620.61	1	3,253.31	1	2,886.02	1	2,518.72
1/4		1/4		1/4	5,026.09	1/4	4,714.85	1/4	4,347.55	1/4	3,980.25	1/4	3,612.96	1/4	3,245.66	1/4	2,878.37	1/4	2,511.07
1/2		1/2		1/2	5,023.57	1/2	4,707.20	1/2	4,339.90	1/2	3,972.60	1/2	3,605.31	1/2	3,238.01	1/2	2,870.72	1/2	2,503.42
3/4		3/4		3/4	5,020.18	3/4	4,699.55	3/4	4,332.25	3/4	3,964.95	3/4	3,597.66	3/4	3,230.36	3/4	2,863.07	3/4	2,495.77
2		2		2	5,016.79	2	4,691.90	2	4,324.59	2	3,957.30	2	3,590.00	2	3,222.70	2	2,855.41	2	2,488.11
1/4		1/4		1/4	5,013.40	1/4	4,684.24	1/4	4,316.94	1/4	3,949.65	1/4	3,582.35	1/4	3,215.05	1/4	2,847.76	1/4	2,480.46
1/2		1/2		1/2	5,010.01	1/2	4,676.59	1/2	4,309.29	1/2	3,942.00	1/2	3,574.70	1/2	3,207.40	1/2	2,840.11	1/2	2,472.81
3/4		3/4		3/4	5,005.74	3/4	4,668.94	3/4	4,301.64	3/4	3,934.35	3/4	3,567.05	3/4	3,199.75	3/4	2,832.46	3/4	2,465.16
3		3		3	5,001.48	3	4,661.29	3	4,293.98	3	3,926.69	3	3,559.39	3	3,192.10	3	2,824.80	3	2,457.50
1/4		1/4		1/4	4,997.21	1/4	4,653.63	1/4	4,286.33	1/4	3,919.04	1/4	3,551.74	1/4	3,184.45	1/4	2,817.15	1/4	2,449.85
1/2		1/2		1/2	4,992.95	1/2	4,645.98	1/2	4,278.68	1/2	3,911.39	1/2	3,544.09	1/2	3,176.80	1/2	2,809.50	1/2	2,442.20
3/4		3/4		3/4	4,987.81	3/4	4,638.33	3/4	4,271.03	3/4	3,903.74	3/4	3,536.44	3/4	3,169.15	3/4	2,801.85	3/4	2,434.55
4		4		4	4,982.67	4	4,630.68	4	4,263.38	4	3,896.08	4	3,528.78	4	3,161.49	4	2,794.19	4	2,426.90
1/4		1/4		1/4	4,977.54	1/4	4,623.02	1/4	4,255.73	1/4	3,888.43	1/4	3,521.13	1/4	3,153.84	1/4	2,786.54	1/4	2,419.25
1/2		1/2		1/2	4,972.40	1/2	4,615.37	1/2	4,248.08	1/2	3,880.78	1/2	3,513.48	1/2	3,146.19	1/2	2,778.89	1/2	2,411.60
3/4		3/4		3/4	4,966.39	3/4	4,607.72	3/4	4,240.43	3/4	3,873.13	3/4	3,505.83	3/4	3,138.54	3/4	2,771.24	3/4	2,403.95
5		5		5	4,960.37	5	4,600.07	5	4,232.77	5	3,865.47	5	3,498.18	5	3,130.88	5	2,763.58	5	2,396.29
1/4		1/4		1/4	4,954.36	1/4	4,592.41	1/4	4,225.12	1/4	3,857.82	1/4	3,490.53	1/4	3,123.23	1/4	2,755.93	1/4	2,388.64
1/2		1/2		1/2	4,948.35	1/2	4,584.76	1/2	4,217.47	1/2	3,850.17	1/2	3,482.88	1/2	3,115.58	1/2	2,748.28	1/2	2,380.99
3/4		3/4		3/4	4,941.46	3/4	4,577.11	3/4	4,209.82	3/4	3,842.52	3/4	3,475.23	3/4	3,107.93	3/4	2,740.63	3/4	2,373.34
6		6		6	4,934.58	6	4,569.46	6	4,202.16	6	3,834.86	6	3,467.57	6	3,100.27	6	2,732.98	6	2,365.68
1/4		1/4		1/4	4,927.69	1/4	4,561.81	1/4	4,194.51	1/4	3,827.21	1/4	3,459.92	1/4	3,092.62	1/4	2,725.33	1/4	2,358.03
1/2		1/2		1/2	4,920.80	1/2	4,554.16	1/2	4,186.86	1/2	3,819.56	1/2	3,452.27	1/2	3,084.97	1/2	2,717.68	1/2	2,350.38
3/4		3/4		3/4	4,913.31	3/4	4,546.51	3/4	4,179.21	3/4	3,811.91	3/4	3,444.62	3/4	3,077.32	3/4	2,710.03	3/4	2,342.73
7		7		7	4,905.82	7	4,538.86	7	4,171.55	7	3,804.26	7	3,436.96	7	3,069.66	7	2,702.37	7	2,335.07
1/4		1/4		1/4	4,898.33	1/4	4,531.20	1/4	4,163.90	1/4	3,796.61	1/4	3,429.31	1/4	3,062.01	1/4	2,694.72	1/4	2,327.42
1/2		1/2		1/2	4,890.84	1/2	4,523.55	1/2	4,156.25	1/2	3,788.96	1/2	3,421.66	1/2	3,054.36	1/2	2,687.07	1/2	2,319.77
3/4		3/4		3/4	4,883.19	3/4	4,515.90	3/4	4,148.60	3/4	3,781.31	3/4	3,414.01	3/4	3,046.71	3/4	2,679.42	3/4	2,312.12
8		8		8	4,875.54	8	4,508.25	8	4,140.94	8	3,773.65	8	3,406.35	8	3,039.06	8	2,671.76	8	2,304.46
1/4		1/4		1/4	4,867.89	1/4	4,500.59	1/4	4,133.29	1/4	3,766.00	1/4	3,398.70	1/4	3,031.41	1/4	2,664.11	1/4	2,296.81
1/2		1/2		1/2	4,860.24	1/2	4,492.94	1/2	4,125.64	1/2	3,758.35	1/2	3,391.05	1/2	3,023.76	1/2	2,656.46	1/2	2,289.16
3/4		3/4		3/4	4,852.59	3/4	4,485.29	3/4	4,117.99	3/4	3,750.70	3/4	3,383.40	3/4	3,016.11	3/4	2,648.81	3/4	2,281.51
9		9		9	4,844.94	9	4,477.63	9	4,110.34	9	3,743.04	9	3,375.74	9	3,008.45	9	2,641.15	9	2,273.86
1/4		1/4		1/4	4,837.28	1/4	4,469.98	1/4	4,102.69	1/4	3,735.39	1/4	3,368.09	1/4	3,000.80	1/4	2,633.50	1/4	2,266.21
1/2		1/2		1/2	4,829.63	1/2	4,462.33	1/2	4,095.04	1/2	3,727.74	1/2	3,360.44	1/2	2,993.15	1/2	2,625.85	1/2	2,258.56
3/4		3/4		3/4	4,821.98	3/4	4,454.68	3/4	4,087.39	3/4	3,720.09	3/4	3,352.79	3/4	2,985.50	3/4	2,618.20	3/4	2,250.91
10		10	5,043.90	10	4,814.33	10	4,447.02	10	4,079.73	10	3,712.43	10	3,345.14	10	2,977.84	10	2,610.54	10	2,243.25
1/4		1/4	5,043.74	1/4	4,806.67	1/4	4,439.37	1/4	4,072.08	1/4	3,704.78	1/4	3,337.49	1/4	2,970.19	1/4	2,602.89	1/4	2,235.60
1/2		1/2	5,043.41	1/2	4,799.02	1/2	4,431.72	1/2	4,064.43	1/2	3,697.13	1/2	3,329.84	1/2	2,962.54	1/2	2,595.24	1/2	2,227.95
3/4		3/4	5,042.61	3/4	4,791.37	3/4	4,424.07	3/4	4,056.78	3/4	3,689.48	3/4	3,322.19	3/4	2,954.89	3/4	2,587.59	3/4	2,220.30
11		11	5,041.80	11	4,783.72	11	4,416.42	11	4,049.12	11	3,681.82	11	3,314.53	11	2,947.23	11	2,579.94	11	2,212.64
1/4		1/4	5,041.00	1/4	4,776.06	1/4	4,408.77	1/4	4,041.47	1/4	3,674.17	1/4	3,306.88	1/4	2,939.58	1/4	2,572.29	1/4	2,204.99
1/2		1/2	5,040.19	1/2	4,768.41	1/2	4,401.12	1/2	4,033.82	1/2	3,666.52	1/2	3,299.23	1/2	2,931.93	1/2	2,564.64	1/2	2,197.34
3/4		3/4	5,038.55	3/4	4,760.76	3/4	4,393.47	3/4	4,026.17	3/4	3,658.87	3/4	3,291.58	3/4	2,924.28	3/4	2,556.99	3/4	2,189.69

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 TO (TOP LIP OF HERMETIC VALVE ON EXPANSION DOME).

GAUGE POINT: (HERMETIC) LOCATED 02'-06" OFF CENTERLINE AND 03'-09" FORWARD OF AFT BULKHEAD.

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



# BARGE "HTCO 3010"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	2,182.03	0	1,814.74	0	1,447.44	0	1,080.14	0	722.35	0	385.23	0	69.90	0		0			
1/4	2,174.38	1/4	1,807.09	1/4	1,439.79	1/4	1,072.49	1/4	715.10	1/4	378.43	1/4	63.56	1/4	1/4	1/4			
1/2	2,166.73	1/2	1,799.44	1/2	1,432.14	1/2	1,064.84	1/2	707.85	1/2	371.64	1/2	57.22	1/2	1/2	1/2			
3/4	2,159.08	3/4	1,791.79	3/4	1,424.49	3/4	1,057.19	3/4	700.60	3/4	364.84	3/4	51.56	3/4	3/4	3/4			
1	2,151.42	1	1,784.13	1	1,416.83	1	1,049.54	1	693.35	1	358.05	1	45.90	1	1	1			
1/4	2,143.77	1/4	1,776.48	1/4	1,409.18	1/4	1,041.89	1/4	686.10	1/4	351.25	1/4	40.24	1/4	1/4	1/4			
1/2	2,136.12	1/2	1,768.83	1/2	1,401.53	1/2	1,034.24	1/2	678.85	1/2	344.46	1/2	34.58	1/2	1/2	1/2			
3/4	2,128.47	3/4	1,761.18	3/4	1,393.88	3/4	1,026.65	3/4	671.71	3/4	337.77	3/4	30.36	3/4	3/4	3/4			
2	2,120.82	2	1,753.52	2	1,386.22	2	1,019.06	2	664.57	2	331.09	2	26.14	2	2	2			
1/4	2,113.17	1/4	1,745.87	1/4	1,378.57	1/4	1,011.47	1/4	657.44	1/4	324.40	1/4	21.93	1/4	1/4	1/4			
1/2	2,105.52	1/2	1,738.22	1/2	1,370.92	1/2	1,003.88	1/2	650.30	1/2	317.72	1/2	17.71	1/2	1/2	1/2			
3/4	2,097.87	3/4	1,730.57	3/4	1,363.27	3/4	996.31	3/4	643.16	3/4	311.03	3/4	14.83	3/4	3/4	3/4			
3	2,090.21	3	1,722.91	3	1,355.62	3	988.75	3	636.03	3	304.35	3	11.94	3	3	3			
1/4	2,082.56	1/4	1,715.26	1/4	1,347.97	1/4	981.18	1/4	628.89	1/4	297.66	1/4	9.06	1/4	1/4	1/4			
1/2	2,074.91	1/2	1,707.61	1/2	1,340.32	1/2	973.62	1/2	621.76	1/2	290.98	1/2	6.18	1/2	1/2	1/2			
3/4	2,067.26	3/4	1,699.96	3/4	1,332.67	3/4	966.05	3/4	614.62	3/4	284.30	3/4	4.63	3/4	3/4	3/4			
4	2,059.60	4	1,692.30	4	1,325.01	4	958.48	4	607.49	4	277.61	4	3.09	4	4	4			
1/4	2,051.95	1/4	1,684.65	1/4	1,317.36	1/4	950.92	1/4	600.35	1/4	270.93	1/4	1.54	1/4	1/4	1/4			
1/2	2,044.30	1/2	1,677.00	1/2	1,309.71	1/2	943.35	1/2	593.22	1/2	264.25	1/2	0.00	1/2	1/2	1/2			
3/4	2,036.65	3/4	1,669.35	3/4	1,302.06	3/4	935.90	3/4	586.19	3/4	257.68	3/4		3/4	3/4	3/4			
5	2,028.99	5	1,661.70	5	1,294.40	5	928.44	5	579.17	5	251.11	5		5	5	5			
1/4	2,021.34	1/4	1,654.05	1/4	1,286.75	1/4	920.99	1/4	572.14	1/4	244.55	1/4		1/4	1/4	1/4			
1/2	2,013.69	1/2	1,646.40	1/2	1,279.10	1/2	913.54	1/2	565.12	1/2	237.98	1/2		1/2	1/2	1/2			
3/4	2,006.04	3/4	1,638.75	3/4	1,271.45	3/4	906.09	3/4	558.09	3/4	231.41	3/4		3/4	3/4	3/4			
6	1,998.38	6	1,631.09	6	1,263.79	6	898.64	6	551.07	6	224.84	6		6	6	6			
1/4	1,990.73	1/4	1,623.44	1/4	1,256.14	1/4	891.19	1/4	544.04	1/4	218.27	1/4		1/4	1/4	1/4			
1/2	1,983.08	1/2	1,615.79	1/2	1,248.49	1/2	883.74	1/2	537.02	1/2	211.70	1/2		1/2	1/2	1/2			
3/4	1,975.43	3/4	1,608.14	3/4	1,240.84	3/4	876.29	3/4	530.00	3/4	205.13	3/4		3/4	3/4	3/4			
7	1,967.78	7	1,600.48	7	1,233.18	7	868.83	7	522.97	7	198.56	7		7	7	7			
1/4	1,960.13	1/4	1,592.83	1/4	1,225.53	1/4	861.38	1/4	515.95	1/4	192.00	1/4		1/4	1/4	1/4			
1/2	1,952.48	1/2	1,585.18	1/2	1,217.88	1/2	853.93	1/2	508.93	1/2	185.43	1/2		1/2	1/2	1/2			
3/4	1,944.83	3/4	1,577.53	3/4	1,210.23	3/4	846.59	3/4	502.02	3/4	178.97	3/4		3/4	3/4	3/4			
8	1,937.17	8	1,569.87	8	1,202.58	8	839.25	8	495.11	8	172.52	8		8	8	8			
1/4	1,929.52	1/4	1,562.22	1/4	1,194.93	1/4	831.91	1/4	488.20	1/4	166.06	1/4		1/4	1/4	1/4			
1/2	1,921.87	1/2	1,554.57	1/2	1,187.28	1/2	824.57	1/2	481.29	1/2	159.61	1/2		1/2	1/2	1/2			
3/4	1,914.22	3/4	1,546.92	3/4	1,179.63	3/4	817.23	3/4	474.38	3/4	153.15	3/4		3/4	3/4	3/4			
9	1,906.56	9	1,539.26	9	1,171.97	9	809.89	9	467.47	9	146.69	9		9	9	9			
1/4	1,898.91	1/4	1,531.61	1/4	1,164.32	1/4	802.55	1/4	460.56	1/4	140.24	1/4		1/4	1/4	1/4			
1/2	1,891.26	1/2	1,523.96	1/2	1,156.67	1/2	795.21	1/2	453.65	1/2	133.78	1/2		1/2	1/2	1/2			
3/4	1,883.61	3/4	1,516.31	3/4	1,149.02	3/4	787.87	3/4	446.74	3/4	127.32	3/4		3/4	3/4	3/4			
10	1,875.95	10	1,508.66	10	1,141.36	10	780.53	10	439.83	10	120.87	10		10	10	10			
1/4	1,868.30	1/4	1,501.01	1/4	1,133.71	1/4	773.19	1/4	432.92	1/4	114.41	1/4		1/4	1/4	1/4			
1/2	1,860.65	1/2	1,493.36	1/2	1,126.06	1/2	765.85	1/2	426.01	1/2	107.96	1/2		1/2	1/2	1/2			
3/4	1,853.00	3/4	1,485.71	3/4	1,118.41	3/4	758.60	3/4	419.21	3/4	101.62	3/4		3/4	3/4	3/4			
11	1,845.34	11	1,478.05	11	1,110.75	11	751.35	11	412.41	11	95.27	11		11	11	11			
1/4	1,837.69	1/4	1,470.40	1/4	1,103.10	1/4	744.10	1/4	405.62	1/4	88.93	1/4		1/4	1/4	1/4			
1/2	1,830.04	1/2	1,462.75	1/2	1,095.45	1/2	736.85	1/2	398.82	1/2	82.59	1/2		1/2	1/2	1/2			
3/4	1,822.39	3/4	1,455.10	3/4	1,087.80	3/4	729.60	3/4	392.02	3/4	76.25	3/4		3/4	3/4	3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/1995 INSP.  
RECOMPUTED: 04/27/2018 SW  
REPRINTED: 04/28/2018

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2018

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "HTCO 3010"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04"

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	5,184.70	0	4,885.80	0	4,514.66	0	4,143.53	0	3,772.39	0	3,401.26	0	3,030.12	0	2,658.98
1/4		1/4		1/4	5,182.16	1/4	4,878.07	1/4	4,506.93	1/4	4,135.80	1/4	3,764.66	1/4	3,393.53	1/4	3,022.39	1/4	2,651.25
1/2		1/2		1/2	5,179.62	1/2	4,870.34	1/2	4,499.20	1/2	4,128.07	1/2	3,756.93	1/2	3,385.80	1/2	3,014.66	1/2	2,643.52
3/4		3/4		3/4	5,177.07	3/4	4,862.60	3/4	4,491.47	3/4	4,120.33	3/4	3,749.19	3/4	3,378.06	3/4	3,006.92	3/4	2,635.79
1		1		1	5,174.53	1	4,854.87	1	4,483.74	1	4,112.60	1	3,741.46	1	3,370.33	1	2,999.19	1	2,628.06
1/4		1/4		1/4	5,171.11	1/4	4,847.14	1/4	4,476.01	1/4	4,104.87	1/4	3,733.73	1/4	3,362.60	1/4	2,991.46	1/4	2,620.33
1/2		1/2		1/2	5,167.69	1/2	4,839.41	1/2	4,468.28	1/2	4,097.14	1/2	3,726.00	1/2	3,354.87	1/2	2,983.73	1/2	2,612.59
3/4		3/4		3/4	5,164.26	3/4	4,831.67	3/4	4,460.54	3/4	4,089.40	3/4	3,718.27	3/4	3,347.13	3/4	2,975.99	3/4	2,604.86
2		2		2	5,160.84	2	4,823.94	2	4,452.81	2	4,081.67	2	3,710.54	2	3,339.40	2	2,968.26	2	2,597.13
1/4		1/4		1/4	5,156.53	1/4	4,816.21	1/4	4,445.08	1/4	4,073.94	1/4	3,702.81	1/4	3,331.67	1/4	2,960.53	1/4	2,589.40
1/2		1/2		1/2	5,152.22	1/2	4,808.48	1/2	4,437.35	1/2	4,066.21	1/2	3,695.08	1/2	3,323.94	1/2	2,952.80	1/2	2,581.66
3/4		3/4		3/4	5,147.91	3/4	4,800.75	3/4	4,429.61	3/4	4,058.47	3/4	3,687.34	3/4	3,316.20	3/4	2,945.07	3/4	2,573.93
3		3		3	5,143.60	3	4,793.02	3	4,421.88	3	4,050.74	3	3,679.61	3	3,308.47	3	2,937.34	3	2,566.20
1/4		1/4		1/4	5,138.41	1/4	4,785.29	1/4	4,414.15	1/4	4,043.01	1/4	3,671.88	1/4	3,300.74	1/4	2,929.61	1/4	2,558.47
1/2		1/2		1/2	5,133.22	1/2	4,777.56	1/2	4,406.42	1/2	4,035.28	1/2	3,664.15	1/2	3,293.01	1/2	2,921.88	1/2	2,550.73
3/4		3/4		3/4	5,128.03	3/4	4,769.82	3/4	4,398.68	3/4	4,027.55	3/4	3,656.41	3/4	3,285.27	3/4	2,914.14	3/4	2,543.00
4		4		4	5,122.84	4	4,762.09	4	4,390.95	4	4,019.82	4	3,648.68	4	3,277.54	4	2,906.41	4	2,535.27
1/4		1/4		1/4	5,116.77	1/4	4,754.36	1/4	4,383.22	1/4	4,012.09	1/4	3,640.95	1/4	3,269.81	1/4	2,898.68	1/4	2,527.54
1/2		1/2		1/2	5,110.69	1/2	4,746.63	1/2	4,375.49	1/2	4,004.36	1/2	3,633.22	1/2	3,262.08	1/2	2,890.95	1/2	2,519.80
3/4		3/4		3/4	5,104.62	3/4	4,738.89	3/4	4,367.75	3/4	3,996.62	3/4	3,625.48	3/4	3,254.35	3/4	2,883.21	3/4	2,512.07
5		5		5	5,098.54	5	4,731.16	5	4,360.02	5	3,988.89	5	3,617.75	5	3,246.62	5	2,875.48	5	2,504.34
1/4		1/4		1/4	5,091.58	1/4	4,723.43	1/4	4,352.29	1/4	3,981.16	1/4	3,610.02	1/4	3,238.89	1/4	2,867.75	1/4	2,496.61
1/2		1/2		1/2	5,084.63	1/2	4,715.70	1/2	4,344.56	1/2	3,973.43	1/2	3,602.29	1/2	3,231.16	1/2	2,860.02	1/2	2,488.88
3/4		3/4		3/4	5,077.67	3/4	4,707.96	3/4	4,336.83	3/4	3,965.69	3/4	3,594.55	3/4	3,223.42	3/4	2,852.28	3/4	2,481.15
6		6		6	5,070.71	6	4,700.23	6	4,329.10	6	3,957.96	6	3,586.82	6	3,215.69	6	2,844.55	6	2,473.42
1/4		1/4		1/4	5,063.14	1/4	4,692.50	1/4	4,321.37	1/4	3,950.23	1/4	3,579.09	1/4	3,207.96	1/4	2,836.82	1/4	2,465.69
1/2		1/2		1/2	5,055.58	1/2	4,684.77	1/2	4,313.64	1/2	3,942.50	1/2	3,571.36	1/2	3,200.23	1/2	2,829.09	1/2	2,457.95
3/4		3/4		3/4	5,048.01	3/4	4,677.03	3/4	4,305.90	3/4	3,934.76	3/4	3,563.63	3/4	3,192.49	3/4	2,821.35	3/4	2,450.22
7		7		7	5,040.44	7	4,669.30	7	4,298.17	7	3,927.03	7	3,555.90	7	3,184.76	7	2,813.62	7	2,442.49
1/4		1/4		1/4	5,032.71	1/4	4,661.57	1/4	4,290.44	1/4	3,919.30	1/4	3,548.17	1/4	3,177.03	1/4	2,805.89	1/4	2,434.76
1/2		1/2		1/2	5,024.98	1/2	4,653.84	1/2	4,282.71	1/2	3,911.57	1/2	3,540.44	1/2	3,169.30	1/2	2,798.16	1/2	2,427.02
3/4		3/4		3/4	5,017.24	3/4	4,646.11	3/4	4,274.97	3/4	3,903.83	3/4	3,532.70	3/4	3,161.56	3/4	2,790.43	3/4	2,419.29
8		8		8	5,009.51	8	4,638.38	8	4,267.24	8	3,896.10	8	3,524.97	8	3,153.83	8	2,782.70	8	2,411.56
1/4		1/4		1/4	5,001.78	1/4	4,630.65	1/4	4,259.51	1/4	3,888.37	1/4	3,517.24	1/4	3,146.10	1/4	2,774.97	1/4	2,403.83
1/2		1/2		1/2	4,994.05	1/2	4,622.92	1/2	4,251.78	1/2	3,880.64	1/2	3,509.51	1/2	3,138.37	1/2	2,767.24	1/2	2,396.09
3/4		3/4		3/4	4,986.31	3/4	4,615.18	3/4	4,244.04	3/4	3,872.91	3/4	3,501.77	3/4	3,130.63	3/4	2,759.50	3/4	2,388.36
9		9		9	4,978.58	9	4,607.45	9	4,236.31	9	3,865.18	9	3,494.04	9	3,122.90	9	2,751.77	9	2,380.63
1/4		1/4		1/4	4,970.85	1/4	4,599.72	1/4	4,228.58	1/4	3,857.45	1/4	3,486.31	1/4	3,115.17	1/4	2,744.04	1/4	2,372.90
1/2		1/2		1/2	5,195.42	1/2	4,963.12	1/2	4,591.99	1/2	4,220.85	1/2	3,849.72	1/2	3,478.58	1/2	3,107.44	1/2	2,365.16
3/4		3/4		3/4	5,195.20	3/4	4,955.39	3/4	4,584.25	3/4	4,213.11	3/4	3,841.98	3/4	3,470.84	3/4	3,099.71	3/4	2,357.43
10		10		10	5,194.75	10	4,947.66	10	4,576.52	10	4,205.38	10	3,834.25	10	3,463.11	10	3,091.98	10	2,349.70
1/4		1/4		1/4	5,193.90	1/4	4,939.93	1/4	4,568.79	1/4	4,197.65	1/4	3,826.52	1/4	3,455.38	1/4	3,084.25	1/4	2,341.97
1/2		1/2		1/2	5,193.04	1/2	4,932.20	1/2	4,561.06	1/2	4,189.92	1/2	3,818.79	1/2	3,447.65	1/2	3,076.52	1/2	2,334.24
3/4		3/4		3/4	5,192.19	3/4	4,924.46	3/4	4,553.32	3/4	4,182.19	3/4	3,811.05	3/4	3,439.91	3/4	3,068.78	3/4	2,326.51
11		11		11	5,191.33	11	4,916.73	11	4,545.59	11	4,174.46	11	3,803.32	11	3,432.18	11	3,061.05	11	2,318.78
1/4		1/4		1/4	5,189.67	1/4	4,909.00	1/4	4,537.86	1/4	4,166.73	1/4	3,795.59	1/4	3,424.45	1/4	3,053.32	1/4	2,311.05
1/2		1/2		1/2	5,188.02	1/2	4,901.27	1/2	4,530.13	1/2	4,159.00	1/2	3,787.86	1/2	3,416.72	1/2	3,045.59	1/2	2,303.31
3/4		3/4		3/4	5,186.36	3/4	4,893.53	3/4	4,522.39	3/4	4,151.26	3/4	3,780.12	3/4	3,408.99	3/4	3,037.85	3/4	2,295.58

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 TO (TOP LIP OF HERMETIC VALVE ON EXPANSION DOME).

GAUGE POINT: (HERMETIC) LOCATED 02'-06" OFF CENTERLINE AND 03'-09" FORWARD OF AFT BULKHEAD.

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



# BARGE "HTCO 3010"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04"

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	2,287.85	0	1,916.71	0	1,545.58	0	1,174.44	0	804.14	0	433.00	0	61.86	0		0			
1/4	2,280.12	1/4	1,908.98	1/4	1,537.85	1/4	1,166.71	1/4	796.41	1/4	425.27	1/4	55.09	1/4	1/4	1/4			
1/2	2,272.38	1/2	1,901.24	1/2	1,530.11	1/2	1,159.97	1/2	788.67	1/2	417.53	1/2	48.33	1/2	1/2	1/2			
3/4	2,264.65	3/4	1,893.51	3/4	1,522.38	3/4	1,151.24	3/4	780.94	3/4	409.80	3/4	41.56	3/4	3/4	3/4			
1	2,256.92	1	1,885.78	1	1,514.65	1	1,143.51	1	773.21	1	402.07	1	34.80	1	1	1			
1/4	2,249.19	1/4	1,878.05	1/4	1,506.92	1/4	1,135.78	1/4	765.48	1/4	394.34	1/4	29.97	1/4	1/4	1/4			
1/2	2,241.45	1/2	1,870.32	1/2	1,499.18	1/2	1,128.04	1/2	757.74	1/2	386.60	1/2	25.13	1/2	1/2	1/2			
3/4	2,233.72	3/4	1,862.59	3/4	1,491.45	3/4	1,120.31	3/4	750.01	3/4	378.87	3/4	20.30	3/4	3/4	3/4			
2	2,225.99	2	1,854.86	2	1,483.72	2	1,112.58	2	742.28	2	371.14	2	15.47	2	2	2			
1/4	2,218.26	1/4	1,847.13	1/4	1,475.99	1/4	1,104.87	1/4	734.55	1/4	363.41	1/4	12.57	1/4	1/4	1/4			
1/2	2,210.52	1/2	1,839.39	1/2	1,468.25	1/2	1,097.17	1/2	726.81	1/2	355.68	1/2	9.67	1/2	1/2	1/2			
3/4	2,202.79	3/4	1,831.66	3/4	1,460.52	3/4	1,089.46	3/4	719.08	3/4	347.95	3/4	6.77	3/4	3/4	3/4			
3	2,195.06	3	1,823.93	3	1,452.79	3	1,081.76	3	711.35	3	340.22	3	3.87	3	3	3			
1/4	2,187.33	1/4	1,816.20	1/4	1,445.06	1/4	1,074.05	1/4	703.62	1/4	332.49	1/4	2.90	1/4	1/4	1/4			
1/2	2,179.60	1/2	1,808.46	1/2	1,437.32	1/2	1,066.35	1/2	695.88	1/2	324.75	1/2	1.93	1/2	1/2	1/2			
3/4	2,171.87	3/4	1,800.73	3/4	1,429.59	3/4	1,058.64	3/4	688.15	3/4	317.02	3/4	0.97	3/4	3/4	3/4			
4	2,164.14	4	1,793.00	4	1,421.86	4	1,050.94	4	680.42	4	309.29	4	0.00	4	4	4			
1/4	2,156.41	1/4	1,785.27	1/4	1,414.13	1/4	1,043.23	1/4	672.69	1/4	301.56	1/4		1/4	1/4	1/4			
1/2	2,148.67	1/2	1,777.53	1/2	1,406.40	1/2	1,035.52	1/2	664.96	1/2	293.82	1/2		1/2	1/2	1/2			
3/4	2,140.94	3/4	1,769.80	3/4	1,398.67	3/4	1,027.82	3/4	657.23	3/4	286.09	3/4		3/4	3/4	3/4			
5	2,133.21	5	1,762.07	5	1,390.94	5	1,020.11	5	649.50	5	278.36	5		5	5	5			
1/4	2,125.48	1/4	1,754.34	1/4	1,383.21	1/4	1,012.40	1/4	641.77	1/4	270.63	1/4		1/4	1/4	1/4			
1/2	2,117.74	1/2	1,746.60	1/2	1,375.47	1/2	1,004.70	1/2	634.03	1/2	262.89	1/2		1/2	1/2	1/2			
3/4	2,110.01	3/4	1,738.87	3/4	1,367.74	3/4	996.99	3/4	626.30	3/4	255.16	3/4		3/4	3/4	3/4			
6	2,102.28	6	1,731.14	6	1,360.01	6	989.29	6	618.57	6	247.43	6		6	6	6			
1/4	2,094.55	1/4	1,723.41	1/4	1,352.28	1/4	981.58	1/4	610.84	1/4	239.70	1/4		1/4	1/4	1/4			
1/2	2,086.81	1/2	1,715.68	1/2	1,344.54	1/2	973.87	1/2	603.10	1/2	231.96	1/2		1/2	1/2	1/2			
3/4	2,079.08	3/4	1,707.95	3/4	1,336.81	3/4	966.17	3/4	595.37	3/4	224.23	3/4		3/4	3/4	3/4			
7	2,071.35	7	1,700.22	7	1,329.08	7	958.46	7	587.64	7	216.50	7		7	7	7			
1/4	2,063.62	1/4	1,692.49	1/4	1,321.35	1/4	950.75	1/4	579.91	1/4	208.77	1/4		1/4	1/4	1/4			
1/2	2,055.88	1/2	1,684.75	1/2	1,313.61	1/2	943.05	1/2	572.17	1/2	201.04	1/2		1/2	1/2	1/2			
3/4	2,048.15	3/4	1,677.02	3/4	1,305.88	3/4	935.34	3/4	564.44	3/4	193.31	3/4		3/4	3/4	3/4			
8	2,040.42	8	1,669.29	8	1,298.15	8	927.64	8	556.71	8	185.58	8		8	8	8			
1/4	2,032.69	1/4	1,661.56	1/4	1,290.42	1/4	919.93	1/4	548.98	1/4	177.85	1/4		1/4	1/4	1/4			
1/2	2,024.96	1/2	1,653.82	1/2	1,282.68	1/2	912.23	1/2	541.24	1/2	170.11	1/2		1/2	1/2	1/2			
3/4	2,017.23	3/4	1,646.09	3/4	1,274.95	3/4	904.52	3/4	533.51	3/4	162.38	3/4		3/4	3/4	3/4			
9	2,009.50	9	1,638.36	9	1,267.22	9	896.82	9	525.78	9	154.65	9		9	9	9			
1/4	2,001.77	1/4	1,630.63	1/4	1,259.49	1/4	889.11	1/4	518.05	1/4	146.92	1/4		1/4	1/4	1/4			
1/2	1,994.03	1/2	1,622.89	1/2	1,251.76	1/2	881.40	1/2	510.32	1/2	139.18	1/2		1/2	1/2	1/2			
3/4	1,986.30	3/4	1,615.16	3/4	1,244.03	3/4	873.70	3/4	502.59	3/4	131.45	3/4		3/4	3/4	3/4			
10	1,978.57	10	1,607.43	10	1,236.30	10	865.99	10	494.86	10	123.72	10		10	10	10			
1/4	1,970.84	1/4	1,599.70	1/4	1,228.57	1/4	858.26	1/4	487.13	1/4	115.99	1/4		1/4	1/4	1/4			
1/2	1,963.10	1/2	1,591.96	1/2	1,220.83	1/2	850.52	1/2	479.39	1/2	108.25	1/2		1/2	1/2	1/2			
3/4	1,955.37	3/4	1,584.23	3/4	1,213.10	3/4	842.79	3/4	471.66	3/4	100.52	3/4		3/4	3/4	3/4			
11	1,947.64	11	1,576.50	11	1,205.37	11	835.06	11	463.93	11	92.79	11		11	11	11			
1/4	1,939.91	1/4	1,568.77	1/4	1,197.64	1/4	827.33	1/4	456.20	1/4	85.06	1/4		1/4	1/4	1/4			
1/2	1,932.17	1/2	1,561.04	1/2	1,189.90	1/2	819.60	1/2	448.46	1/2	77.32	1/2		1/2	1/2	1/2			
3/4	1,924.44	3/4	1,553.31	3/4	1,182.17	3/4	811.87	3/4	440.73	3/4	69.59	3/4		3/4	3/4	3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/1995 INSP.  
RECOMPUTED: 04/27/2018 SW  
REPRINTED: 04/28/2018

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2018

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
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# BARGE "HTCO 3010"

## 2 STBD

## ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	5,188.02	0	4,901.27	0	4,530.13	0	4,159.00	0	3,787.86	0	3,416.72	0	3,045.59	0	2,674.44
1/4		1/4		1/4	5,186.36	1/4	4,893.53	1/4	4,522.39	1/4	4,151.26	1/4	3,780.12	1/4	3,408.99	1/4	3,037.85	1/4	2,666.71
1/2		1/2		1/2	5,184.70	1/2	4,885.80	1/2	4,514.66	1/2	4,143.53	1/2	3,772.39	1/2	3,401.26	1/2	3,030.12	1/2	2,658.98
3/4		3/4		3/4	5,182.16	3/4	4,878.07	3/4	4,506.93	3/4	4,135.80	3/4	3,764.66	3/4	3,393.53	3/4	3,022.39	3/4	2,651.25
1		1		1	5,179.62	1	4,870.34	1	4,499.20	1	4,128.07	1	3,756.93	1	3,385.80	1	3,014.66	1	2,643.52
1/4		1/4		1/4	5,177.07	1/4	4,862.60	1/4	4,491.47	1/4	4,120.33	1/4	3,749.19	1/4	3,378.06	1/4	3,006.92	1/4	2,635.79
1/2		1/2		1/2	5,174.53	1/2	4,854.87	1/2	4,483.74	1/2	4,112.60	1/2	3,741.46	1/2	3,370.33	1/2	2,999.19	1/2	2,628.06
3/4		3/4		3/4	5,171.11	3/4	4,847.14	3/4	4,476.01	3/4	4,104.87	3/4	3,733.73	3/4	3,362.60	3/4	2,991.46	3/4	2,620.33
2		2		2	5,167.69	2	4,839.41	2	4,468.28	2	4,097.14	2	3,726.00	2	3,354.87	2	2,983.73	2	2,612.59
1/4		1/4		1/4	5,164.26	1/4	4,831.67	1/4	4,460.54	1/4	4,089.40	1/4	3,718.27	1/4	3,347.13	1/4	2,975.99	1/4	2,604.86
1/2		1/2		1/2	5,160.84	1/2	4,823.94	1/2	4,452.81	1/2	4,081.67	1/2	3,710.54	1/2	3,339.40	1/2	2,968.26	1/2	2,597.13
3/4		3/4		3/4	5,156.53	3/4	4,816.21	3/4	4,445.08	3/4	4,073.94	3/4	3,702.81	3/4	3,331.67	3/4	2,960.53	3/4	2,589.40
3		3		3	5,152.22	3	4,808.48	3	4,437.35	3	4,066.21	3	3,695.08	3	3,323.94	3	2,952.80	3	2,581.66
1/4		1/4		1/4	5,147.91	1/4	4,800.75	1/4	4,429.61	1/4	4,058.47	1/4	3,687.34	1/4	3,316.20	1/4	2,945.07	1/4	2,573.93
1/2		1/2		1/2	5,143.60	1/2	4,793.02	1/2	4,421.88	1/2	4,050.74	1/2	3,679.61	1/2	3,308.47	1/2	2,937.34	1/2	2,566.20
3/4		3/4		3/4	5,138.41	3/4	4,785.29	3/4	4,414.15	3/4	4,043.01	3/4	3,671.88	3/4	3,300.74	3/4	2,929.61	3/4	2,558.47
4		4		4	5,133.22	4	4,777.56	4	4,406.42	4	4,035.28	4	3,664.15	4	3,293.01	4	2,921.88	4	2,550.73
1/4		1/4		1/4	5,128.03	1/4	4,769.82	1/4	4,398.68	1/4	4,027.55	1/4	3,656.41	1/4	3,285.27	1/4	2,914.14	1/4	2,543.00
1/2		1/2		1/2	5,122.84	1/2	4,762.09	1/2	4,390.95	1/2	4,019.82	1/2	3,648.68	1/2	3,277.54	1/2	2,906.41	1/2	2,535.27
3/4		3/4		3/4	5,116.77	3/4	4,754.36	3/4	4,383.22	3/4	4,012.09	3/4	3,640.95	3/4	3,269.81	3/4	2,898.68	3/4	2,527.54
5		5		5	5,110.69	5	4,746.63	5	4,375.49	5	4,004.36	5	3,633.22	5	3,262.08	5	2,890.95	5	2,519.80
1/4		1/4		1/4	5,104.62	1/4	4,738.89	1/4	4,367.75	1/4	3,996.62	1/4	3,625.48	1/4	3,254.35	1/4	2,883.21	1/4	2,512.07
1/2		1/2		1/2	5,098.54	1/2	4,731.16	1/2	4,360.02	1/2	3,988.89	1/2	3,617.75	1/2	3,246.62	1/2	2,875.48	1/2	2,504.34
3/4		3/4		3/4	5,091.58	3/4	4,723.43	3/4	4,352.29	3/4	3,981.16	3/4	3,610.02	3/4	3,238.89	3/4	2,867.75	3/4	2,496.61
6		6		6	5,084.63	6	4,715.70	6	4,344.56	6	3,973.43	6	3,602.29	6	3,231.16	6	2,860.02	6	2,488.88
1/4		1/4		1/4	5,077.67	1/4	4,707.96	1/4	4,336.83	1/4	3,965.69	1/4	3,594.55	1/4	3,223.42	1/4	2,852.28	1/4	2,481.15
1/2		1/2		1/2	5,070.71	1/2	4,700.23	1/2	4,329.10	1/2	3,957.96	1/2	3,586.82	1/2	3,215.69	1/2	2,844.55	1/2	2,473.42
3/4		3/4		3/4	5,063.14	3/4	4,692.50	3/4	4,321.37	3/4	3,950.23	3/4	3,579.09	3/4	3,207.96	3/4	2,836.82	3/4	2,465.69
7		7		7	5,055.58	7	4,684.77	7	4,313.64	7	3,942.50	7	3,571.36	7	3,200.23	7	2,829.09	7	2,457.95
1/4		1/4		1/4	5,048.01	1/4	4,677.03	1/4	4,305.90	1/4	3,934.76	1/4	3,563.63	1/4	3,192.49	1/4	2,821.35	1/4	2,450.22
1/2		1/2		1/2	5,040.44	1/2	4,669.30	1/2	4,298.17	1/2	3,927.03	1/2	3,555.90	1/2	3,184.76	1/2	2,813.62	1/2	2,442.49
3/4		3/4		3/4	5,032.71	3/4	4,661.57	3/4	4,290.44	3/4	3,919.30	3/4	3,548.17	3/4	3,177.03	3/4	2,805.89	3/4	2,434.76
8		8		8	5,024.98	8	4,653.84	8	4,282.71	8	3,911.57	8	3,540.44	8	3,169.30	8	2,798.16	8	2,427.02
1/4		1/4		1/4	5,017.24	1/4	4,646.11	1/4	4,274.97	1/4	3,903.83	1/4	3,532.70	1/4	3,161.56	1/4	2,790.43	1/4	2,419.29
1/2		1/2		1/2	5,009.51	1/2	4,638.38	1/2	4,267.24	1/2	3,896.10	1/2	3,524.97	1/2	3,153.83	1/2	2,782.70	1/2	2,411.56
3/4		3/4		3/4	5,001.78	3/4	4,630.65	3/4	4,259.51	3/4	3,888.37	3/4	3,517.24	3/4	3,146.10	3/4	2,774.97	3/4	2,403.83
9		9		9	4,994.05	9	4,622.92	9	4,251.78	9	3,880.64	9	3,509.51	9	3,138.37	9	2,767.24	9	2,396.09
1/4		1/4		1/4	4,986.31	1/4	4,615.18	1/4	4,244.04	1/4	3,872.91	1/4	3,501.77	1/4	3,130.63	1/4	2,759.50	1/4	2,388.36
1/2		1/2		1/2	4,978.58	1/2	4,607.45	1/2	4,236.31	1/2	3,865.18	1/2	3,494.04	1/2	3,122.90	1/2	2,751.77	1/2	2,380.63
3/4		3/4		3/4	4,970.85	3/4	4,599.72	3/4	4,228.58	3/4	3,857.45	3/4	3,486.31	3/4	3,115.17	3/4	2,744.04	3/4	2,372.90
10		10	5,195.42	10	4,963.12	10	4,591.99	10	4,220.85	10	3,849.72	10	3,478.58	10	3,107.44	10	2,736.30	10	2,365.16
1/4		1/4	5,195.20	1/4	4,955.39	1/4	4,584.25	1/4	4,213.11	1/4	3,841.98	1/4	3,470.84	1/4	3,099.71	1/4	2,728.57	1/4	2,357.43
1/2		1/2	5,194.75	1/2	4,947.66	1/2	4,576.52	1/2	4,205.38	1/2	3,834.25	1/2	3,463.11	1/2	3,091.98	1/2	2,720.84	1/2	2,349.70
3/4		3/4	5,193.90	3/4	4,939.93	3/4	4,568.79	3/4	4,197.65	3/4	3,826.52	3/4	3,455.38	3/4	3,084.25	3/4	2,713.11	3/4	2,341.97
11		11	5,193.04	11	4,932.20	11	4,561.06	11	4,189.92	11	3,818.79	11	3,447.65	11	3,076.52	11	2,705.37	11	2,334.24
1/4		1/4	5,192.19	1/4	4,924.46	1/4	4,553.32	1/4	4,182.19	1/4	3,811.05	1/4	3,439.91	1/4	3,068.78	1/4	2,697.64	1/4	2,326.51
1/2		1/2	5,191.33	1/2	4,916.73	1/2	4,545.59	1/2	4,174.46	1/2	3,803.32	1/2	3,432.18	1/2	3,061.05	1/2	2,689.91	1/2	2,318.78
3/4		3/4	5,189.67	3/4	4,909.00	3/4	4,537.86	3/4	4,166.73	3/4	3,795.59	3/4	3,424.45	3/4	3,053.32	3/4	2,682.18	3/4	2,311.05

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 TO (TOP LIP OF HERMETIC VALVE ON EXPANSION DOME).

GAUGE POINT: (HERMETIC) LOCATED 02'-06" OFF CENTERLINE AND 03'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>





# BARGE "HTCO 3010"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	2,303.31	0	1,932.17	0	1,561.04	0	1,189.90	0	819.60	0	448.46	0	77.32	0		0			
1/4	2,295.58	1/4	1,924.44	1/4	1,553.31	1/4	1,182.17	1/4	811.87	1/4	440.73	1/4	69.59	1/4		1/4		1/4	
1/2	2,287.85	1/2	1,916.71	1/2	1,545.58	1/2	1,174.44	1/2	804.14	1/2	433.00	1/2	61.86	1/2		1/2		1/2	
3/4	2,280.12	3/4	1,908.98	3/4	1,537.85	3/4	1,166.71	3/4	796.41	3/4	425.27	3/4	55.09	3/4		3/4		3/4	
1	2,272.38	1	1,901.24	1	1,530.11	1	1,158.97	1	788.67	1	417.53	1	48.33	1		1		1	
1/4	2,264.65	1/4	1,893.51	1/4	1,522.38	1/4	1,151.24	1/4	780.94	1/4	409.80	1/4	41.56	1/4		1/4		1/4	
1/2	2,256.92	1/2	1,885.78	1/2	1,514.65	1/2	1,143.51	1/2	773.21	1/2	402.07	1/2	34.80	1/2		1/2		1/2	
3/4	2,249.19	3/4	1,878.05	3/4	1,506.92	3/4	1,135.78	3/4	765.48	3/4	394.34	3/4	29.97	3/4		3/4		3/4	
2	2,241.45	2	1,870.32	2	1,499.18	2	1,128.04	2	757.74	2	386.60	2	25.13	2		2		2	
1/4	2,233.72	1/4	1,862.59	1/4	1,491.45	1/4	1,120.31	1/4	750.01	1/4	378.87	1/4	20.30	1/4		1/4		1/4	
1/2	2,225.99	1/2	1,854.86	1/2	1,483.72	1/2	1,112.58	1/2	742.28	1/2	371.14	1/2	15.47	1/2		1/2		1/2	
3/4	2,218.26	3/4	1,847.13	3/4	1,475.99	3/4	1,104.87	3/4	734.55	3/4	363.41	3/4	12.57	3/4		3/4		3/4	
3	2,210.52	3	1,839.39	3	1,468.25	3	1,097.17	3	726.81	3	355.68	3	9.67	3		3		3	
1/4	2,202.79	1/4	1,831.66	1/4	1,460.52	1/4	1,089.46	1/4	719.08	1/4	347.95	1/4	6.77	1/4		1/4		1/4	
1/2	2,195.06	1/2	1,823.93	1/2	1,452.79	1/2	1,081.76	1/2	711.35	1/2	340.22	1/2	3.87	1/2		1/2		1/2	
3/4	2,187.33	3/4	1,816.20	3/4	1,445.06	3/4	1,074.05	3/4	703.62	3/4	332.49	3/4	2.90	3/4		3/4		3/4	
4	2,179.60	4	1,808.46	4	1,437.32	4	1,066.35	4	695.88	4	324.75	4	1.93	4		4		4	
1/4	2,171.87	1/4	1,800.73	1/4	1,429.59	1/4	1,058.64	1/4	688.15	1/4	317.02	1/4	0.97	1/4		1/4		1/4	
1/2	2,164.14	1/2	1,793.00	1/2	1,421.86	1/2	1,050.94	1/2	680.42	1/2	309.29	1/2	0.00	1/2		1/2		1/2	
3/4	2,156.41	3/4	1,785.27	3/4	1,414.13	3/4	1,043.23	3/4	672.69	3/4	301.56	3/4		3/4		3/4		3/4	
5	2,148.67	5	1,777.53	5	1,406.40	5	1,035.52	5	664.96	5	293.82	5		5		5		5	
1/4	2,140.94	1/4	1,769.80	1/4	1,398.67	1/4	1,027.82	1/4	657.23	1/4	286.09	1/4		1/4		1/4		1/4	
1/2	2,133.21	1/2	1,762.07	1/2	1,390.94	1/2	1,020.11	1/2	649.50	1/2	278.36	1/2		1/2		1/2		1/2	
3/4	2,125.48	3/4	1,754.34	3/4	1,383.21	3/4	1,012.40	3/4	641.77	3/4	270.63	3/4		3/4		3/4		3/4	
6	2,117.74	6	1,746.60	6	1,375.47	6	1,004.70	6	634.03	6	262.89	6		6		6		6	
1/4	2,110.01	1/4	1,738.87	1/4	1,367.74	1/4	996.99	1/4	626.30	1/4	255.16	1/4		1/4		1/4		1/4	
1/2	2,102.28	1/2	1,731.14	1/2	1,360.01	1/2	989.29	1/2	618.57	1/2	247.43	1/2		1/2		1/2		1/2	
3/4	2,094.55	3/4	1,723.41	3/4	1,352.28	3/4	981.58	3/4	610.84	3/4	239.70	3/4		3/4		3/4		3/4	
7	2,086.81	7	1,715.68	7	1,344.54	7	973.87	7	603.10	7	231.96	7		7		7		7	
1/4	2,079.08	1/4	1,707.95	1/4	1,336.81	1/4	966.17	1/4	595.37	1/4	224.23	1/4		1/4		1/4		1/4	
1/2	2,071.35	1/2	1,700.22	1/2	1,329.08	1/2	958.46	1/2	587.64	1/2	216.50	1/2		1/2		1/2		1/2	
3/4	2,063.62	3/4	1,692.49	3/4	1,321.35	3/4	950.75	3/4	579.91	3/4	208.77	3/4		3/4		3/4		3/4	
8	2,055.88	8	1,684.75	8	1,313.61	8	943.05	8	572.17	8	201.04	8		8		8		8	
1/4	2,048.15	1/4	1,677.02	1/4	1,305.88	1/4	935.34	1/4	564.44	1/4	193.31	1/4		1/4		1/4		1/4	
1/2	2,040.42	1/2	1,669.29	1/2	1,298.15	1/2	927.64	1/2	556.71	1/2	185.58	1/2		1/2		1/2		1/2	
3/4	2,032.69	3/4	1,661.56	3/4	1,290.42	3/4	919.93	3/4	548.98	3/4	177.85	3/4		3/4		3/4		3/4	
9	2,024.96	9	1,653.82	9	1,282.68	9	912.23	9	541.24	9	170.11	9		9		9		9	
1/4	2,017.23	1/4	1,646.09	1/4	1,274.95	1/4	904.52	1/4	533.51	1/4	162.38	1/4		1/4		1/4		1/4	
1/2	2,009.50	1/2	1,638.36	1/2	1,267.22	1/2	896.82	1/2	525.78	1/2	154.65	1/2		1/2		1/2		1/2	
3/4	2,001.77	3/4	1,630.63	3/4	1,259.49	3/4	889.11	3/4	518.05	3/4	146.92	3/4		3/4		3/4		3/4	
10	1,994.03	10	1,622.89	10	1,251.76	10	881.40	10	510.32	10	139.18	10		10		10		10	
1/4	1,986.30	1/4	1,615.16	1/4	1,244.03	1/4	873.70	1/4	502.59	1/4	131.45	1/4		1/4		1/4		1/4	
1/2	1,978.57	1/2	1,607.43	1/2	1,236.30	1/2	865.99	1/2	494.86	1/2	123.72	1/2		1/2		1/2		1/2	
3/4	1,970.84	3/4	1,599.70	3/4	1,228.57	3/4	858.26	3/4	487.13	3/4	115.99	3/4		3/4		3/4		3/4	
11	1,963.10	11	1,591.96	11	1,220.83	11	850.52	11	479.39	11	108.25	11		11		11		11	
1/4	1,955.37	1/4	1,584.23	1/4	1,213.10	1/4	842.79	1/4	471.66	1/4	100.52	1/4		1/4		1/4		1/4	
1/2	1,947.64	1/2	1,576.50	1/2	1,205.37	1/2	835.06	1/2	463.93	1/2	92.79	1/2		1/2		1/2		1/2	
3/4	1,939.91	3/4	1,568.77	3/4	1,197.64	3/4	827.33	3/4	456.20	3/4	85.06	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/1995 INSP.  
RECOMPUTED: 04/27/2018 SW  
REPRINTED: 04/28/2018

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2018

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "HTCO 3010"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-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	4,563.28	0	4,373.22	0	4,145.12	0	3,917.03	0	3,688.93	0	3,384.92	0	3,013.88	0	2,642.84
1/4		1/4		1/4	4,561.72	1/4	4,368.46	1/4	4,140.37	1/4	3,912.27	1/4	3,684.17	1/4	3,377.19	1/4	3,006.15	1/4	2,635.11
1/2		1/2		1/2	4,560.16	1/2	4,363.71	1/2	4,135.62	1/2	3,907.52	1/2	3,679.42	1/2	3,369.46	1/2	2,998.42	1/2	2,627.38
3/4		3/4		3/4	4,558.06	3/4	4,358.96	3/4	4,130.87	3/4	3,902.77	3/4	3,674.67	3/4	3,361.73	3/4	2,990.69	3/4	2,619.65
1		1		1	4,555.96	1	4,354.21	1	4,126.12	1	3,898.02	1	3,669.92	1	3,354.00	1	2,982.96	1	2,611.92
1/4		1/4		1/4	4,553.85	1/4	4,349.45	1/4	4,121.36	1/4	3,893.26	1/4	3,665.17	1/4	3,346.27	1/4	2,975.23	1/4	2,604.19
1/2		1/2		1/2	4,551.75	1/2	4,344.70	1/2	4,116.61	1/2	3,888.51	1/2	3,660.42	1/2	3,338.54	1/2	2,967.50	1/2	2,596.46
3/4		3/4		3/4	4,549.10	3/4	4,339.95	3/4	4,111.86	3/4	3,883.76	3/4	3,655.67	3/4	3,330.81	3/4	2,959.77	3/4	2,588.73
2		2		2	4,546.46	2	4,335.20	2	4,107.11	2	3,879.01	2	3,650.92	2	3,323.08	2	2,952.04	2	2,581.00
1/4		1/4		1/4	4,543.81	1/4	4,330.45	1/4	4,102.35	1/4	3,874.25	1/4	3,646.16	1/4	3,315.35	1/4	2,944.31	1/4	2,573.27
1/2		1/2		1/2	4,541.16	1/2	4,325.70	1/2	4,097.60	1/2	3,869.50	1/2	3,641.41	1/2	3,307.62	1/2	2,936.58	1/2	2,565.54
3/4		3/4		3/4	4,537.97	3/4	4,320.95	3/4	4,092.85	3/4	3,864.75	3/4	3,636.54	3/4	3,299.89	3/4	2,928.85	3/4	2,557.81
3		3		3	4,534.78	3	4,316.20	3	4,088.10	3	3,860.00	3	3,631.66	3	3,292.16	3	2,921.12	3	2,550.08
1/4		1/4		1/4	4,531.59	1/4	4,311.44	1/4	4,083.34	1/4	3,855.25	1/4	3,626.79	1/4	3,284.43	1/4	2,913.39	1/4	2,542.35
1/2		1/2		1/2	4,528.40	1/2	4,306.69	1/2	4,078.59	1/2	3,850.50	1/2	3,621.91	1/2	3,276.70	1/2	2,905.66	1/2	2,534.62
3/4		3/4		3/4	4,524.67	3/4	4,301.94	3/4	4,073.84	3/4	3,845.75	3/4	3,616.59	3/4	3,268.97	3/4	2,897.93	3/4	2,526.89
4		4		4	4,520.94	4	4,297.19	4	4,069.09	4	3,841.00	4	3,611.27	4	3,261.24	4	2,890.20	4	2,519.16
1/4		1/4		1/4	4,517.20	1/4	4,292.43	1/4	4,064.33	1/4	3,836.24	1/4	3,605.95	1/4	3,253.51	1/4	2,882.47	1/4	2,511.43
1/2		1/2		1/2	4,513.47	1/2	4,287.68	1/2	4,059.58	1/2	3,831.49	1/2	3,600.63	1/2	3,245.78	1/2	2,874.74	1/2	2,503.70
3/4		3/4		3/4	4,509.19	3/4	4,282.93	3/4	4,054.83	3/4	3,826.74	3/4	3,594.75	3/4	3,238.05	3/4	2,867.01	3/4	2,495.97
5		5		5	4,504.92	5	4,278.18	5	4,050.08	5	3,821.99	5	3,588.86	5	3,230.32	5	2,859.28	5	2,488.24
1/4		1/4		1/4	4,500.64	1/4	4,273.42	1/4	4,045.33	1/4	3,817.23	1/4	3,582.98	1/4	3,222.59	1/4	2,851.55	1/4	2,480.51
1/2		1/2		1/2	4,496.36	1/2	4,268.67	1/2	4,040.58	1/2	3,812.48	1/2	3,577.09	1/2	3,214.86	1/2	2,843.82	1/2	2,472.78
3/4		3/4		3/4	4,491.71	3/4	4,263.92	3/4	4,035.83	3/4	3,807.73	3/4	3,570.64	3/4	3,207.13	3/4	2,836.09	3/4	2,465.05
6		6		6	4,487.06	6	4,259.17	6	4,031.08	6	3,802.98	6	3,564.19	6	3,199.40	6	2,828.36	6	2,457.32
1/4		1/4		1/4	4,482.41	1/4	4,254.41	1/4	4,026.32	1/4	3,798.22	1/4	3,557.73	1/4	3,191.67	1/4	2,820.63	1/4	2,449.59
1/2		1/2		1/2	4,477.76	1/2	4,249.66	1/2	4,021.57	1/2	3,793.47	1/2	3,551.28	1/2	3,183.94	1/2	2,812.90	1/2	2,441.86
3/4		3/4		3/4	4,473.01	3/4	4,244.91	3/4	4,016.82	3/4	3,788.72	3/4	3,544.26	3/4	3,176.21	3/4	2,805.17	3/4	2,434.13
7		7		7	4,468.26	7	4,240.16	7	4,012.07	7	3,783.97	7	3,537.24	7	3,168.48	7	2,797.44	7	2,426.40
1/4		1/4		1/4	4,463.50	1/4	4,235.41	1/4	4,007.31	1/4	3,779.21	1/4	3,530.22	1/4	3,160.75	1/4	2,789.71	1/4	2,418.67
1/2		1/2		1/2	4,458.75	1/2	4,230.66	1/2	4,002.56	1/2	3,774.46	1/2	3,523.20	1/2	3,153.02	1/2	2,781.98	1/2	2,410.94
3/4		3/4		3/4	4,454.00	3/4	4,225.91	3/4	3,997.81	3/4	3,769.71	3/4	3,515.69	3/4	3,145.29	3/4	2,774.25	3/4	2,403.21
8		8		8	4,449.25	8	4,221.16	8	3,993.06	8	3,764.96	8	3,508.17	8	3,137.56	8	2,766.52	8	2,395.48
1/4		1/4		1/4	4,444.49	1/4	4,216.40	1/4	3,988.30	1/4	3,760.21	1/4	3,500.66	1/4	3,129.83	1/4	2,758.79	1/4	2,387.75
1/2		1/2		1/2	4,439.74	1/2	4,211.65	1/2	3,983.55	1/2	3,755.46	1/2	3,493.14	1/2	3,122.10	1/2	2,751.06	1/2	2,380.02
3/4		3/4		3/4	4,434.99	3/4	4,206.90	3/4	3,978.80	3/4	3,750.71	3/4	3,485.41	3/4	3,114.37	3/4	2,743.33	3/4	2,372.29
9		9	4,572.76	9	4,430.24	9	4,202.15	9	3,974.05	9	3,745.96	9	3,477.68	9	3,106.64	9	2,735.60	9	2,364.56
1/4		1/4	4,572.66	1/4	4,425.49	1/4	4,197.39	1/4	3,969.29	1/4	3,741.20	1/4	3,469.95	1/4	3,098.91	1/4	2,727.87	1/4	2,356.83
1/2		1/2	4,572.46	1/2	4,420.74	1/2	4,192.64	1/2	3,964.54	1/2	3,736.45	1/2	3,462.22	1/2	3,091.18	1/2	2,720.14	1/2	2,349.10
3/4		3/4	4,571.96	3/4	4,415.99	3/4	4,187.89	3/4	3,959.79	3/4	3,731.70	3/4	3,454.49	3/4	3,083.45	3/4	2,712.41	3/4	2,341.37
10		10	4,571.46	10	4,411.24	10	4,183.14	10	3,955.04	10	3,726.95	10	3,446.76	10	3,075.72	10	2,704.68	10	2,333.64
1/4		1/4	4,570.96	1/4	4,406.48	1/4	4,178.38	1/4	3,950.29	1/4	3,722.19	1/4	3,439.03	1/4	3,067.99	1/4	2,696.95	1/4	2,325.91
1/2		1/2	4,570.46	1/2	4,401.73	1/2	4,173.63	1/2	3,945.54	1/2	3,717.44	1/2	3,431.30	1/2	3,060.26	1/2	2,689.22	1/2	2,318.18
3/4		3/4	4,569.44	3/4	4,396.98	3/4	4,168.88	3/4	3,940.79	3/4	3,712.69	3/4	3,423.57	3/4	3,052.53	3/4	2,681.49	3/4	2,310.45
11		11	4,568.43	11	4,392.23	11	4,164.13	11	3,936.04	11	3,707.94	11	3,415.84	11	3,044.80	11	2,673.76	11	2,302.72
1/4		1/4	4,567.41	1/4	4,387.47	1/4	4,159.37	1/4	3,931.28	1/4	3,703.18	1/4	3,408.11	1/4	3,037.07	1/4	2,666.03	1/4	2,294.99
1/2		1/2	4,566.39	1/2	4,382.72	1/2	4,154.62	1/2	3,926.53	1/2	3,698.43	1/2	3,400.38	1/2	3,029.34	1/2	2,658.30	1/2	2,287.26
3/4		3/4	4,564.83	3/4	4,377.97	3/4	4,149.87	3/4	3,921.78	3/4	3,693.68	3/4	3,392.65	3/4	3,021.61	3/4	2,650.57	3/4	2,279.53

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 TO (TOP LIP OF HERMETIC VALVE ON EXPANSION DOME).

GAUGE POINT: (HERMETIC) LOCATED 02'-06" OFF CENTERLINE AND 88'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "HTCO 3010"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-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	2,271.80	0	1,900.76	0	1,529.72	0	1,158.68	0	788.47	0	417.43	0	48.32	0		0			
1/4	2,264.07	1/4	1,893.03	1/4	1,521.99	1/4	1,150.95	1/4	780.74	1/4	409.70	1/4	41.56	1/4	1/4	1/4			
1/2	2,256.34	1/2	1,885.30	1/2	1,514.26	1/2	1,143.22	1/2	773.01	1/2	401.97	1/2	34.79	1/2	1/2	1/2			
3/4	2,248.61	3/4	1,877.57	3/4	1,506.53	3/4	1,135.49	3/4	765.28	3/4	394.24	3/4	29.96	3/4	3/4	3/4			
1	2,240.88	1	1,869.84	1	1,498.80	1	1,127.76	1	757.55	1	386.51	1	25.13	1	1	1			
1/4	2,233.15	1/4	1,862.11	1/4	1,491.07	1/4	1,120.03	1/4	749.82	1/4	378.78	1/4	20.29	1/4	1/4	1/4			
1/2	2,225.42	1/2	1,854.38	1/2	1,483.34	1/2	1,112.30	1/2	742.09	1/2	371.05	1/2	15.46	1/2	1/2	1/2			
3/4	2,217.69	3/4	1,846.65	3/4	1,475.61	3/4	1,104.60	3/4	734.36	3/4	363.32	3/4	12.56	3/4	3/4	3/4			
2	2,209.96	2	1,838.92	2	1,467.88	2	1,096.89	2	726.63	2	355.59	2	9.67	2	2	2			
1/4	2,202.23	1/4	1,831.19	1/4	1,460.15	1/4	1,089.19	1/4	718.90	1/4	347.86	1/4	6.77	1/4	1/4	1/4			
1/2	2,194.50	1/2	1,823.46	1/2	1,452.42	1/2	1,081.48	1/2	711.17	1/2	340.13	1/2	3.87	1/2	1/2	1/2			
3/4	2,186.77	3/4	1,815.73	3/4	1,444.69	3/4	1,073.78	3/4	703.44	3/4	332.40	3/4	2.90	3/4	3/4	3/4			
3	2,179.04	3	1,808.00	3	1,436.96	3	1,066.07	3	695.71	3	324.67	3	1.94	3	3	3			
1/4	2,171.31	1/4	1,800.27	1/4	1,429.23	1/4	1,058.37	1/4	687.98	1/4	316.94	1/4	0.97	1/4	1/4	1/4			
1/2	2,163.58	1/2	1,792.54	1/2	1,421.50	1/2	1,050.66	1/2	680.25	1/2	309.21	1/2	0.00	1/2	1/2	1/2			
3/4	2,155.85	3/4	1,784.81	3/4	1,413.77	3/4	1,042.96	3/4	672.52	3/4	301.48	3/4		3/4	3/4	3/4			
4	2,148.12	4	1,777.08	4	1,406.04	4	1,035.26	4	664.79	4	293.75	4		4	4	4			
1/4	2,140.39	1/4	1,769.35	1/4	1,398.31	1/4	1,027.55	1/4	657.06	1/4	286.02	1/4		1/4	1/4	1/4			
1/2	2,132.66	1/2	1,761.62	1/2	1,390.58	1/2	1,019.85	1/2	649.33	1/2	278.29	1/2		1/2	1/2	1/2			
3/4	2,124.93	3/4	1,753.89	3/4	1,382.85	3/4	1,012.15	3/4	641.60	3/4	270.56	3/4		3/4	3/4	3/4			
5	2,117.20	5	1,746.16	5	1,375.12	5	1,004.44	5	633.87	5	262.83	5		5	5	5			
1/4	2,109.47	1/4	1,738.43	1/4	1,367.39	1/4	996.74	1/4	626.14	1/4	255.10	1/4		1/4	1/4	1/4			
1/2	2,101.74	1/2	1,730.70	1/2	1,359.66	1/2	989.03	1/2	618.41	1/2	247.37	1/2		1/2	1/2	1/2			
3/4	2,094.01	3/4	1,722.97	3/4	1,351.93	3/4	981.33	3/4	610.68	3/4	239.64	3/4		3/4	3/4	3/4			
6	2,086.28	6	1,715.24	6	1,344.20	6	973.63	6	602.95	6	231.91	6		6	6	6			
1/4	2,078.55	1/4	1,707.51	1/4	1,336.47	1/4	965.92	1/4	595.22	1/4	224.18	1/4		1/4	1/4	1/4			
1/2	2,070.82	1/2	1,699.78	1/2	1,328.74	1/2	958.22	1/2	587.49	1/2	216.45	1/2		1/2	1/2	1/2			
3/4	2,063.09	3/4	1,692.05	3/4	1,321.01	3/4	950.52	3/4	579.76	3/4	208.72	3/4		3/4	3/4	3/4			
7	2,055.36	7	1,684.32	7	1,313.28	7	942.81	7	572.03	7	200.99	7		7	7	7			
1/4	2,047.63	1/4	1,676.59	1/4	1,305.55	1/4	935.11	1/4	564.30	1/4	193.26	1/4		1/4	1/4	1/4			
1/2	2,039.90	1/2	1,668.86	1/2	1,297.82	1/2	927.40	1/2	556.57	1/2	185.53	1/2		1/2	1/2	1/2			
3/4	2,032.17	3/4	1,661.13	3/4	1,290.09	3/4	919.70	3/4	548.84	3/4	177.80	3/4		3/4	3/4	3/4			
8	2,024.44	8	1,653.40	8	1,282.36	8	911.99	8	541.11	8	170.07	8		8	8	8			
1/4	2,016.71	1/4	1,645.67	1/4	1,274.63	1/4	904.29	1/4	533.38	1/4	162.34	1/4		1/4	1/4	1/4			
1/2	2,008.98	1/2	1,637.94	1/2	1,266.90	1/2	896.58	1/2	525.65	1/2	154.61	1/2		1/2	1/2	1/2			
3/4	2,001.25	3/4	1,630.21	3/4	1,259.17	3/4	888.88	3/4	517.92	3/4	146.88	3/4		3/4	3/4	3/4			
9	1,993.52	9	1,622.48	9	1,251.44	9	881.18	9	510.19	9	139.15	9		9	9	9			
1/4	1,985.79	1/4	1,614.75	1/4	1,243.71	1/4	873.47	1/4	502.46	1/4	131.42	1/4		1/4	1/4	1/4			
1/2	1,978.06	1/2	1,607.02	1/2	1,235.98	1/2	865.77	1/2	494.73	1/2	123.69	1/2		1/2	1/2	1/2			
3/4	1,970.33	3/4	1,599.29	3/4	1,228.25	3/4	858.04	3/4	487.00	3/4	115.96	3/4		3/4	3/4	3/4			
10	1,962.60	10	1,591.56	10	1,220.52	10	850.31	10	479.27	10	108.23	10		10	10	10			
1/4	1,954.87	1/4	1,583.83	1/4	1,212.79	1/4	842.58	1/4	471.54	1/4	100.50	1/4		1/4	1/4	1/4			
1/2	1,947.14	1/2	1,576.10	1/2	1,205.06	1/2	834.85	1/2	463.81	1/2	92.77	1/2		1/2	1/2	1/2			
3/4	1,939.41	3/4	1,568.37	3/4	1,197.33	3/4	827.12	3/4	456.08	3/4	85.04	3/4		3/4	3/4	3/4			
11	1,931.68	11	1,560.64	11	1,189.60	11	819.39	11	448.35	11	77.31	11		11	11	11			
1/4	1,923.95	1/4	1,552.91	1/4	1,181.87	1/4	811.66	1/4	440.62	1/4	69.58	1/4		1/4	1/4	1/4			
1/2	1,916.22	1/2	1,545.18	1/2	1,174.14	1/2	803.93	1/2	432.89	1/2	61.85	1/2		1/2	1/2	1/2			
3/4	1,908.49	3/4	1,537.45	3/4	1,166.41	3/4	796.20	3/4	425.16	3/4	55.09	3/4		3/4	3/4	3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/1995 INSP.  
RECOMPUTED: 04/27/2018 SW  
REPRINTED: 04/28/2018

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2018

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "HTCO 3010"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-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	4,563.28	0	4,373.22	0	4,145.12	0	3,917.03	0	3,688.93	0	3,384.92	0	3,013.88	0	2,642.84
1/4		1/4		1/4	4,561.72	1/4	4,368.46	1/4	4,140.37	1/4	3,912.27	1/4	3,684.17	1/4	3,377.19	1/4	3,006.15	1/4	2,635.11
1/2		1/2		1/2	4,560.16	1/2	4,363.71	1/2	4,135.62	1/2	3,907.52	1/2	3,679.42	1/2	3,369.46	1/2	2,998.42	1/2	2,627.38
3/4		3/4		3/4	4,558.06	3/4	4,358.96	3/4	4,130.87	3/4	3,902.77	3/4	3,674.67	3/4	3,361.73	3/4	2,990.69	3/4	2,619.65
1		1		1	4,555.96	1	4,354.21	1	4,126.12	1	3,898.02	1	3,669.92	1	3,354.00	1	2,982.96	1	2,611.92
1/4		1/4		1/4	4,553.85	1/4	4,349.45	1/4	4,121.36	1/4	3,893.26	1/4	3,665.17	1/4	3,346.27	1/4	2,975.23	1/4	2,604.19
1/2		1/2		1/2	4,551.75	1/2	4,344.70	1/2	4,116.61	1/2	3,888.51	1/2	3,660.42	1/2	3,338.54	1/2	2,967.50	1/2	2,596.46
3/4		3/4		3/4	4,549.10	3/4	4,339.95	3/4	4,111.86	3/4	3,883.76	3/4	3,655.67	3/4	3,330.81	3/4	2,959.77	3/4	2,588.73
2		2		2	4,546.46	2	4,335.20	2	4,107.11	2	3,879.01	2	3,650.92	2	3,323.08	2	2,952.04	2	2,581.00
1/4		1/4		1/4	4,543.81	1/4	4,330.45	1/4	4,102.35	1/4	3,874.25	1/4	3,646.16	1/4	3,315.35	1/4	2,944.31	1/4	2,573.27
1/2		1/2		1/2	4,541.16	1/2	4,325.70	1/2	4,097.60	1/2	3,869.50	1/2	3,641.41	1/2	3,307.62	1/2	2,936.58	1/2	2,565.54
3/4		3/4		3/4	4,537.97	3/4	4,320.95	3/4	4,092.85	3/4	3,864.75	3/4	3,636.54	3/4	3,299.89	3/4	2,928.85	3/4	2,557.81
3		3		3	4,534.78	3	4,316.20	3	4,088.10	3	3,860.00	3	3,631.66	3	3,292.16	3	2,921.12	3	2,550.08
1/4		1/4		1/4	4,531.59	1/4	4,311.44	1/4	4,083.34	1/4	3,855.25	1/4	3,626.79	1/4	3,284.43	1/4	2,913.39	1/4	2,542.35
1/2		1/2		1/2	4,528.40	1/2	4,306.69	1/2	4,078.59	1/2	3,850.50	1/2	3,621.91	1/2	3,276.70	1/2	2,905.66	1/2	2,534.62
3/4		3/4		3/4	4,524.67	3/4	4,301.94	3/4	4,073.84	3/4	3,845.75	3/4	3,616.59	3/4	3,268.97	3/4	2,897.93	3/4	2,526.89
4		4		4	4,520.94	4	4,297.19	4	4,069.09	4	3,841.00	4	3,611.27	4	3,261.24	4	2,890.20	4	2,519.16
1/4		1/4		1/4	4,517.20	1/4	4,292.43	1/4	4,064.33	1/4	3,836.24	1/4	3,605.95	1/4	3,253.51	1/4	2,882.47	1/4	2,511.43
1/2		1/2		1/2	4,513.47	1/2	4,287.68	1/2	4,059.58	1/2	3,831.49	1/2	3,600.63	1/2	3,245.78	1/2	2,874.74	1/2	2,503.70
3/4		3/4		3/4	4,509.19	3/4	4,282.93	3/4	4,054.83	3/4	3,826.74	3/4	3,594.75	3/4	3,238.05	3/4	2,867.01	3/4	2,495.97
5		5		5	4,504.92	5	4,278.18	5	4,050.08	5	3,821.99	5	3,588.86	5	3,230.32	5	2,859.28	5	2,488.24
1/4		1/4		1/4	4,500.64	1/4	4,273.42	1/4	4,045.33	1/4	3,817.23	1/4	3,582.98	1/4	3,222.59	1/4	2,851.55	1/4	2,480.51
1/2		1/2		1/2	4,496.36	1/2	4,268.67	1/2	4,040.58	1/2	3,812.48	1/2	3,577.09	1/2	3,214.86	1/2	2,843.82	1/2	2,472.78
3/4		3/4		3/4	4,491.71	3/4	4,263.92	3/4	4,035.83	3/4	3,807.73	3/4	3,570.64	3/4	3,207.13	3/4	2,836.09	3/4	2,465.05
6		6		6	4,487.06	6	4,259.17	6	4,031.08	6	3,802.98	6	3,564.19	6	3,199.40	6	2,828.36	6	2,457.32
1/4		1/4		1/4	4,482.41	1/4	4,254.41	1/4	4,026.32	1/4	3,798.22	1/4	3,557.73	1/4	3,191.67	1/4	2,820.63	1/4	2,449.59
1/2		1/2		1/2	4,477.76	1/2	4,249.66	1/2	4,021.57	1/2	3,793.47	1/2	3,551.28	1/2	3,183.94	1/2	2,812.90	1/2	2,441.86
3/4		3/4		3/4	4,473.01	3/4	4,244.91	3/4	4,016.82	3/4	3,788.72	3/4	3,544.26	3/4	3,176.21	3/4	2,805.17	3/4	2,434.13
7		7		7	4,468.26	7	4,240.16	7	4,012.07	7	3,783.97	7	3,537.24	7	3,168.48	7	2,797.44	7	2,426.40
1/4		1/4		1/4	4,463.50	1/4	4,235.41	1/4	4,007.31	1/4	3,779.21	1/4	3,530.22	1/4	3,160.75	1/4	2,789.71	1/4	2,418.67
1/2		1/2		1/2	4,458.75	1/2	4,230.66	1/2	4,002.56	1/2	3,774.46	1/2	3,523.20	1/2	3,153.02	1/2	2,781.98	1/2	2,410.94
3/4		3/4		3/4	4,454.00	3/4	4,225.91	3/4	3,997.81	3/4	3,769.71	3/4	3,515.69	3/4	3,145.29	3/4	2,774.25	3/4	2,403.21
8		8		8	4,449.25	8	4,221.16	8	3,993.06	8	3,764.96	8	3,508.17	8	3,137.56	8	2,766.52	8	2,395.48
1/4		1/4		1/4	4,444.49	1/4	4,216.40	1/4	3,988.30	1/4	3,760.21	1/4	3,500.66	1/4	3,129.83	1/4	2,758.79	1/4	2,387.75
1/2		1/2		1/2	4,439.74	1/2	4,211.65	1/2	3,983.55	1/2	3,755.46	1/2	3,493.14	1/2	3,122.10	1/2	2,751.06	1/2	2,380.02
3/4		3/4		3/4	4,434.99	3/4	4,206.90	3/4	3,978.80	3/4	3,750.71	3/4	3,485.41	3/4	3,114.37	3/4	2,743.33	3/4	2,372.29
9		9	4,572.76	9	4,430.24	9	4,202.15	9	3,974.05	9	3,745.96	9	3,477.68	9	3,106.64	9	2,735.60	9	2,364.56
1/4		1/4	4,572.66	1/4	4,425.49	1/4	4,197.39	1/4	3,969.29	1/4	3,741.20	1/4	3,469.95	1/4	3,098.91	1/4	2,727.87	1/4	2,356.83
1/2		1/2	4,572.46	1/2	4,420.74	1/2	4,192.64	1/2	3,964.54	1/2	3,736.45	1/2	3,462.22	1/2	3,091.18	1/2	2,720.14	1/2	2,349.10
3/4		3/4	4,571.96	3/4	4,415.99	3/4	4,187.89	3/4	3,959.79	3/4	3,731.70	3/4	3,454.49	3/4	3,083.45	3/4	2,712.41	3/4	2,341.37
10		10	4,571.46	10	4,411.24	10	4,183.14	10	3,955.04	10	3,726.95	10	3,446.76	10	3,075.72	10	2,704.68	10	2,333.64
1/4		1/4	4,570.96	1/4	4,406.48	1/4	4,178.38	1/4	3,950.29	1/4	3,722.19	1/4	3,439.03	1/4	3,067.99	1/4	2,696.95	1/4	2,325.91
1/2		1/2	4,570.46	1/2	4,401.73	1/2	4,173.63	1/2	3,945.54	1/2	3,717.44	1/2	3,431.30	1/2	3,060.26	1/2	2,689.22	1/2	2,318.18
3/4		3/4	4,569.44	3/4	4,396.98	3/4	4,168.88	3/4	3,940.79	3/4	3,712.69	3/4	3,423.57	3/4	3,052.53	3/4	2,681.49	3/4	2,310.45
11		11	4,568.43	11	4,392.23	11	4,164.13	11	3,936.04	11	3,707.94	11	3,415.84	11	3,044.80	11	2,673.76	11	2,302.72
1/4		1/4	4,567.41	1/4	4,387.47	1/4	4,159.37	1/4	3,931.28	1/4	3,703.18	1/4	3,408.11	1/4	3,037.07	1/4	2,666.03	1/4	2,294.99
1/2		1/2	4,566.39	1/2	4,382.72	1/2	4,154.62	1/2	3,926.53	1/2	3,698.43	1/2	3,400.38	1/2	3,029.34	1/2	2,658.30	1/2	2,287.26
3/4		3/4	4,564.83	3/4	4,377.97	3/4	4,149.87	3/4	3,921.78	3/4	3,693.68	3/4	3,392.65	3/4	3,021.61	3/4	2,650.57	3/4	2,279.53

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 TO (TOP LIP OF HERMETIC VALVE ON EXPANSION DOME).

GAUGE POINT: (HERMETIC) LOCATED 02'-06" OFF CENTERLINE AND 88'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "HTCO 3010"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-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	2,271.80	0	1,900.76	0	1,529.72	0	1,158.68	0	788.47	0	417.43	0	48.32	0		0			
1/4	2,264.07	1/4	1,893.03	1/4	1,521.99	1/4	1,150.95	1/4	780.74	1/4	409.70	1/4	41.56	1/4		1/4		1/4	
1/2	2,256.34	1/2	1,885.30	1/2	1,514.26	1/2	1,143.22	1/2	773.01	1/2	401.97	1/2	34.79	1/2		1/2		1/2	
3/4	2,248.61	3/4	1,877.57	3/4	1,506.53	3/4	1,135.49	3/4	765.28	3/4	394.24	3/4	29.96	3/4		3/4		3/4	
1	2,240.88	1	1,869.84	1	1,498.80	1	1,127.76	1	757.55	1	386.51	1	25.13	1		1		1	
1/4	2,233.15	1/4	1,862.11	1/4	1,491.07	1/4	1,120.03	1/4	749.82	1/4	378.78	1/4	20.29	1/4		1/4		1/4	
1/2	2,225.42	1/2	1,854.38	1/2	1,483.34	1/2	1,112.30	1/2	742.09	1/2	371.05	1/2	15.46	1/2		1/2		1/2	
3/4	2,217.69	3/4	1,846.65	3/4	1,475.61	3/4	1,104.60	3/4	734.36	3/4	363.32	3/4	12.56	3/4		3/4		3/4	
2	2,209.96	2	1,838.92	2	1,467.88	2	1,096.89	2	726.63	2	355.59	2	9.67	2		2		2	
1/4	2,202.23	1/4	1,831.19	1/4	1,460.15	1/4	1,089.19	1/4	718.90	1/4	347.86	1/4	6.77	1/4		1/4		1/4	
1/2	2,194.50	1/2	1,823.46	1/2	1,452.42	1/2	1,081.48	1/2	711.17	1/2	340.13	1/2	3.87	1/2		1/2		1/2	
3/4	2,186.77	3/4	1,815.73	3/4	1,444.69	3/4	1,073.78	3/4	703.44	3/4	332.40	3/4	2.90	3/4		3/4		3/4	
3	2,179.04	3	1,808.00	3	1,436.96	3	1,066.07	3	695.71	3	324.67	3	1.94	3		3		3	
1/4	2,171.31	1/4	1,800.27	1/4	1,429.23	1/4	1,058.37	1/4	687.98	1/4	316.94	1/4	0.97	1/4		1/4		1/4	
1/2	2,163.58	1/2	1,792.54	1/2	1,421.50	1/2	1,050.66	1/2	680.25	1/2	309.21	1/2	0.00	1/2		1/2		1/2	
3/4	2,155.85	3/4	1,784.81	3/4	1,413.77	3/4	1,042.96	3/4	672.52	3/4	301.48	3/4		3/4		3/4		3/4	
4	2,148.12	4	1,777.08	4	1,406.04	4	1,035.26	4	664.79	4	293.75	4		4		4		4	
1/4	2,140.39	1/4	1,769.35	1/4	1,398.31	1/4	1,027.55	1/4	657.06	1/4	286.02	1/4		1/4		1/4		1/4	
1/2	2,132.66	1/2	1,761.62	1/2	1,390.58	1/2	1,019.85	1/2	649.33	1/2	278.29	1/2		1/2		1/2		1/2	
3/4	2,124.93	3/4	1,753.89	3/4	1,382.85	3/4	1,012.15	3/4	641.60	3/4	270.56	3/4		3/4		3/4		3/4	
5	2,117.20	5	1,746.16	5	1,375.12	5	1,004.44	5	633.87	5	262.83	5		5		5		5	
1/4	2,109.47	1/4	1,738.43	1/4	1,367.39	1/4	996.74	1/4	626.14	1/4	255.10	1/4		1/4		1/4		1/4	
1/2	2,101.74	1/2	1,730.70	1/2	1,359.66	1/2	989.03	1/2	618.41	1/2	247.37	1/2		1/2		1/2		1/2	
3/4	2,094.01	3/4	1,722.97	3/4	1,351.93	3/4	981.33	3/4	610.68	3/4	239.64	3/4		3/4		3/4		3/4	
6	2,086.28	6	1,715.24	6	1,344.20	6	973.63	6	602.95	6	231.91	6		6		6		6	
1/4	2,078.55	1/4	1,707.51	1/4	1,336.47	1/4	965.92	1/4	595.22	1/4	224.18	1/4		1/4		1/4		1/4	
1/2	2,070.82	1/2	1,699.78	1/2	1,328.74	1/2	958.22	1/2	587.49	1/2	216.45	1/2		1/2		1/2		1/2	
3/4	2,063.09	3/4	1,692.05	3/4	1,321.01	3/4	950.52	3/4	579.76	3/4	208.72	3/4		3/4		3/4		3/4	
7	2,055.36	7	1,684.32	7	1,313.28	7	942.81	7	572.03	7	200.99	7		7		7		7	
1/4	2,047.63	1/4	1,676.59	1/4	1,305.55	1/4	935.11	1/4	564.30	1/4	193.26	1/4		1/4		1/4		1/4	
1/2	2,039.90	1/2	1,668.86	1/2	1,297.82	1/2	927.40	1/2	556.57	1/2	185.53	1/2		1/2		1/2		1/2	
3/4	2,032.17	3/4	1,661.13	3/4	1,290.09	3/4	919.70	3/4	548.84	3/4	177.80	3/4		3/4		3/4		3/4	
8	2,024.44	8	1,653.40	8	1,282.36	8	911.99	8	541.11	8	170.07	8		8		8		8	
1/4	2,016.71	1/4	1,645.67	1/4	1,274.63	1/4	904.29	1/4	533.38	1/4	162.34	1/4		1/4		1/4		1/4	
1/2	2,008.98	1/2	1,637.94	1/2	1,266.90	1/2	896.58	1/2	525.65	1/2	154.61	1/2		1/2		1/2		1/2	
3/4	2,001.25	3/4	1,630.21	3/4	1,259.17	3/4	888.88	3/4	517.92	3/4	146.88	3/4		3/4		3/4		3/4	
9	1,993.52	9	1,622.48	9	1,251.44	9	881.18	9	510.19	9	139.15	9		9		9		9	
1/4	1,985.79	1/4	1,614.75	1/4	1,243.71	1/4	873.47	1/4	502.46	1/4	131.42	1/4		1/4		1/4		1/4	
1/2	1,978.06	1/2	1,607.02	1/2	1,235.98	1/2	865.77	1/2	494.73	1/2	123.69	1/2		1/2		1/2		1/2	
3/4	1,970.33	3/4	1,599.29	3/4	1,228.25	3/4	858.04	3/4	487.00	3/4	115.96	3/4		3/4		3/4		3/4	
10	1,962.60	10	1,591.56	10	1,220.52	10	850.31	10	479.27	10	108.23	10		10		10		10	
1/4	1,954.87	1/4	1,583.83	1/4	1,212.79	1/4	842.58	1/4	471.54	1/4	100.50	1/4		1/4		1/4		1/4	
1/2	1,947.14	1/2	1,576.10	1/2	1,205.06	1/2	834.85	1/2	463.81	1/2	92.77	1/2		1/2		1/2		1/2	
3/4	1,939.41	3/4	1,568.37	3/4	1,197.33	3/4	827.12	3/4	456.08	3/4	85.04	3/4		3/4		3/4		3/4	
11	1,931.68	11	1,560.64	11	1,189.60	11	819.39	11	448.35	11	77.31	11		11		11		11	
1/4	1,923.95	1/4	1,552.91	1/4	1,181.87	1/4	811.66	1/4	440.62	1/4	69.58	1/4		1/4		1/4		1/4	
1/2	1,916.22	1/2	1,545.18	1/2	1,174.14	1/2	803.93	1/2	432.89	1/2	61.85	1/2		1/2		1/2		1/2	
3/4	1,908.49	3/4	1,537.45	3/4	1,166.41	3/4	796.20	3/4	425.16	3/4	55.09	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/1995 INSP.  
RECOMPUTED: 04/27/2018 SW  
REPRINTED: 04/28/2018

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2018

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