



# BARGE "HTCO 3013"

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	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-1/2	- 00-1/2
1 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-1/2	- 00-1/2
2 PORT	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-1/2	- 00-1/2
2 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-1/2	- 00-1/2
3 PORT	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-5/8	- 02-5/8
3 STBD	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-5/8	- 02-5/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"  
 AFT DRAFT = 4'-00"  
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-1/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

March 31, 2020

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

<http://www.pmacorp.net>





# BARGE "HTCO 3013"

## 1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,424.30	0	2,055.47	0	1,686.63	0	1,317.80	0	948.97	0	580.14	0	211.31	0		0		0	
1/4	2,416.61	1/4	2,047.78	1/4	1,678.95	1/4	1,310.12	1/4	941.29	1/4	572.46	1/4	203.63	1/4		1/4		1/4	
1/2	2,408.93	1/2	2,040.10	1/2	1,671.26	1/2	1,302.43	1/2	933.60	1/2	564.77	1/2	195.94	1/2		1/2		1/2	
3/4	2,401.25	3/4	2,032.42	3/4	1,663.58	3/4	1,294.75	3/4	925.92	3/4	557.09	3/4	188.26	3/4		3/4		3/4	
1	2,393.56	1	2,024.73	1	1,655.90	1	1,287.07	1	918.23	1	549.40	1	180.57	1		1		1	
1/4	2,385.88	1/4	2,017.05	1/4	1,648.21	1/4	1,279.39	1/4	910.55	1/4	541.72	1/4	172.89	1/4		1/4		1/4	
1/2	2,378.19	1/2	2,009.36	1/2	1,640.53	1/2	1,271.70	1/2	902.86	1/2	534.03	1/2	165.20	1/2		1/2		1/2	
3/4	2,370.51	3/4	2,001.68	3/4	1,632.85	3/4	1,264.02	3/4	895.18	3/4	526.35	3/4	157.52	3/4		3/4		3/4	
2	2,362.83	2	1,993.99	2	1,625.16	2	1,256.33	2	887.50	2	518.67	2	149.83	2		2		2	
1/4	2,355.14	1/4	1,986.31	1/4	1,617.48	1/4	1,248.65	1/4	879.82	1/4	510.99	1/4	142.15	1/4		1/4		1/4	
1/2	2,347.46	1/2	1,978.62	1/2	1,609.79	1/2	1,240.96	1/2	872.13	1/2	503.30	1/2	134.46	1/2		1/2		1/2	
3/4	2,339.78	3/4	1,970.94	3/4	1,602.11	3/4	1,233.28	3/4	864.45	3/4	495.62	3/4	126.78	3/4		3/4		3/4	
3	2,332.09	3	1,963.26	3	1,594.43	3	1,225.59	3	856.76	3	487.93	3	119.10	3		3		3	
1/4	2,324.41	1/4	1,955.57	1/4	1,586.75	1/4	1,217.91	1/4	849.08	1/4	480.25	1/4	111.42	1/4		1/4		1/4	
1/2	2,316.72	1/2	1,947.89	1/2	1,579.06	1/2	1,210.22	1/2	841.39	1/2	472.56	1/2	103.73	1/2		1/2		1/2	
3/4	2,309.04	3/4	1,940.21	3/4	1,571.38	3/4	1,202.54	3/4	833.71	3/4	464.69	3/4	96.05	3/4		3/4		3/4	
4	2,301.35	4	1,932.52	4	1,563.69	4	1,194.86	4	826.03	4	456.82	4	88.36	4		4		4	
1/4	2,293.67	1/4	1,924.84	1/4	1,556.01	1/4	1,187.18	1/4	818.35	1/4	448.95	1/4	80.68	1/4		1/4		1/4	
1/2	2,285.98	1/2	1,917.15	1/2	1,548.32	1/2	1,179.49	1/2	810.66	1/2	441.07	1/2	72.99	1/2		1/2		1/2	
3/4	2,278.30	3/4	1,909.47	3/4	1,540.64	3/4	1,171.81	3/4	802.98	3/4	433.58	3/4	65.38	3/4		3/4		3/4	
5	2,270.62	5	1,901.79	5	1,532.96	5	1,164.12	5	795.29	5	426.08	5	57.77	5		5		5	
1/4	2,262.93	1/4	1,894.10	1/4	1,525.28	1/4	1,156.44	1/4	787.61	1/4	418.59	1/4	50.16	1/4		1/4		1/4	
1/2	2,255.25	1/2	1,886.42	1/2	1,517.59	1/2	1,148.75	1/2	779.92	1/2	411.09	1/2	42.55	1/2		1/2		1/2	
3/4	2,247.57	3/4	1,878.74	3/4	1,509.91	3/4	1,141.07	3/4	772.24	3/4	403.41	3/4	36.57	3/4		3/4		3/4	
6	2,239.88	6	1,871.05	6	1,502.22	6	1,133.39	6	764.55	6	395.72	6		6		6		6	
1/4	2,232.20	1/4	1,863.37	1/4	1,494.54	1/4	1,125.71	1/4	756.87	1/4	388.04	1/4		1/4		1/4		1/4	
1/2	2,224.51	1/2	1,855.68	1/2	1,486.85	1/2	1,118.02	1/2	749.18	1/2	380.35	1/2		1/2		1/2		1/2	
3/4	2,216.83	3/4	1,848.00	3/4	1,479.17	3/4	1,110.34	3/4	741.50	3/4	372.67	3/4		3/4		3/4		3/4	
7	2,209.15	7	1,840.31	7	1,471.48	7	1,102.65	7	733.82	7	364.99	7		7		7		7	
1/4	2,201.46	1/4	1,832.63	1/4	1,463.80	1/4	1,094.97	1/4	726.14	1/4	357.31	1/4		1/4		1/4		1/4	
1/2	2,193.78	1/2	1,824.94	1/2	1,456.11	1/2	1,087.28	1/2	718.45	1/2	349.62	1/2		1/2		1/2		1/2	
3/4	2,186.10	3/4	1,817.26	3/4	1,448.43	3/4	1,079.60	3/4	710.77	3/4	341.94	3/4		3/4		3/4		3/4	
8	2,178.41	8	1,809.58	8	1,440.75	8	1,071.91	8	703.08	8	334.25	8		8		8		8	
1/4	2,170.73	1/4	1,801.89	1/4	1,433.07	1/4	1,064.23	1/4	695.40	1/4	326.57	1/4		1/4		1/4		1/4	
1/2	2,163.04	1/2	1,794.21	1/2	1,425.38	1/2	1,056.54	1/2	687.71	1/2	318.88	1/2		1/2		1/2		1/2	
3/4	2,155.36	3/4	1,786.53	3/4	1,417.70	3/4	1,048.86	3/4	680.03	3/4	311.20	3/4		3/4		3/4		3/4	
9	2,147.67	9	1,778.84	9	1,410.01	9	1,041.18	9	672.35	9	303.51	9		9		9		9	
1/4	2,139.99	1/4	1,771.16	1/4	1,402.33	1/4	1,033.50	1/4	664.67	1/4	295.83	1/4		1/4		1/4		1/4	
1/2	2,132.30	1/2	1,763.47	1/2	1,394.64	1/2	1,025.81	1/2	656.98	1/2	288.14	1/2		1/2		1/2		1/2	
3/4	2,124.62	3/4	1,755.79	3/4	1,386.96	3/4	1,018.13	3/4	649.30	3/4	280.46	3/4		3/4		3/4		3/4	
10	2,116.94	10	1,748.11	10	1,379.27	10	1,010.44	10	641.61	10	272.78	10		10		10		10	
1/4	2,109.25	1/4	1,740.42	1/4	1,371.59	1/4	1,002.76	1/4	633.93	1/4	265.10	1/4		1/4		1/4		1/4	
1/2	2,101.57	1/2	1,732.74	1/2	1,363.90	1/2	995.07	1/2	626.24	1/2	257.41	1/2		1/2		1/2		1/2	
3/4	2,093.89	3/4	1,725.06	3/4	1,356.22	3/4	987.39	3/4	618.56	3/4	249.73	3/4		3/4		3/4		3/4	
11	2,086.20	11	1,717.37	11	1,348.54	11	979.71	11	610.87	11	242.04	11		11		11		11	
1/4	2,078.52	1/4	1,709.69	1/4	1,340.86	1/4	972.03	1/4	603.19	1/4	234.36	1/4		1/4		1/4		1/4	
1/2	2,070.83	1/2	1,702.00	1/2	1,333.17	1/2	964.34	1/2	595.50	1/2	226.67	1/2		1/2		1/2		1/2	
3/4	2,063.15	3/4	1,694.32	3/4	1,325.49	3/4	956.66	3/4	587.82	3/4	218.99	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/03/1996 INS  
RECALCULATED: 04/07/2020 PMA  
REPRINTED: 04/08/2020 PMA

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2020

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



# BARGE "HTCO 3013"

## 1 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	5,018.51	0	4,652.66	0	4,283.82	0	3,914.99	0	3,546.16	0	3,177.33	0	2,808.50
1/4		1/4		1/4		1/4	5,010.89	1/4	4,644.98	1/4	4,276.14	1/4	3,907.31	1/4	3,538.48	1/4	3,169.65	1/4	2,800.82
1/2		1/2		1/2		1/2	5,003.27	1/2	4,637.29	1/2	4,268.46	1/2	3,899.63	1/2	3,530.79	1/2	3,161.96	1/2	2,793.13
3/4		3/4		3/4		3/4	4,995.65	3/4	4,629.61	3/4	4,260.77	3/4	3,891.94	3/4	3,523.11	3/4	3,154.28	3/4	2,785.45
1		1		1		1	4,988.02	1	4,621.92	1	4,253.09	1	3,884.26	1	3,515.42	1	3,146.59	1	2,777.76
1/4		1/4		1/4		1/4	4,980.40	1/4	4,614.24	1/4	4,245.41	1/4	3,876.58	1/4	3,507.74	1/4	3,138.91	1/4	2,770.08
1/2		1/2		1/2		1/2	4,972.78	1/2	4,606.55	1/2	4,237.72	1/2	3,868.89	1/2	3,500.06	1/2	3,131.23	1/2	2,762.39
3/4		3/4		3/4		3/4	4,965.16	3/4	4,598.87	3/4	4,230.04	3/4	3,861.21	3/4	3,492.37	3/4	3,123.54	3/4	2,754.71
2		2		2		2	4,957.54	2	4,591.18	2	4,222.35	2	3,853.52	2	3,484.69	2	3,115.86	2	2,747.02
1/4		1/4		1/4		1/4	4,949.92	1/4	4,583.50	1/4	4,214.67	1/4	3,845.84	1/4	3,477.01	1/4	3,108.18	1/4	2,739.34
1/2		1/2		1/2		1/2	4,942.30	1/2	4,575.82	1/2	4,206.99	1/2	3,838.15	1/2	3,469.32	1/2	3,100.49	1/2	2,731.66
3/4		3/4		3/4		3/4	4,934.68	3/4	4,568.13	3/4	4,199.30	3/4	3,830.47	3/4	3,461.64	3/4	3,092.81	3/4	2,723.97
3		3		3		3	4,927.05	3	4,560.45	3	4,191.62	3	3,822.78	3	3,453.95	3	3,085.12	3	2,716.29
1/4		1/4		1/4		1/4	4,919.43	1/4	4,552.77	1/4	4,183.94	1/4	3,815.10	1/4	3,446.27	1/4	3,077.44	1/4	2,708.61
1/2		1/2		1/2		1/2	4,911.81	1/2	4,545.08	1/2	4,176.25	1/2	3,807.42	1/2	3,438.59	1/2	3,069.75	1/2	2,700.92
3/4		3/4		3/4		3/4	4,904.18	3/4	4,537.40	3/4	4,168.57	3/4	3,799.73	3/4	3,430.90	3/4	3,062.07	3/4	2,693.24
4		4		4		4	4,896.56	4	4,529.71	4	4,160.88	4	3,792.05	4	3,423.22	4	3,054.38	4	2,685.55
1/4		1/4		1/4		1/4	4,888.94	1/4	4,522.03	1/4	4,153.20	1/4	3,784.37	1/4	3,415.54	1/4	3,046.70	1/4	2,677.87
1/2		1/2		1/2		1/2	4,881.32	1/2	4,514.35	1/2	4,145.51	1/2	3,776.68	1/2	3,407.85	1/2	3,039.02	1/2	2,670.19
3/4		3/4		3/4		3/4	4,873.69	3/4	4,506.66	3/4	4,137.83	3/4	3,769.00	3/4	3,400.17	3/4	3,031.33	3/4	2,662.50
5		5		5		5	4,866.07	5	4,498.98	5	4,130.14	5	3,761.31	5	3,392.48	5	3,023.65	5	2,654.82
1/4		1/4		1/4		1/4	4,858.45	1/4	4,491.30	1/4	4,122.46	1/4	3,753.63	1/4	3,384.80	1/4	3,015.97	1/4	2,647.14
1/2		1/2		1/2		1/2	4,850.83	1/2	4,483.61	1/2	4,114.78	1/2	3,745.95	1/2	3,377.11	1/2	3,008.28	1/2	2,639.45
3/4		3/4		3/4		3/4	4,843.20	3/4	4,475.93	3/4	4,107.09	3/4	3,738.26	3/4	3,369.43	3/4	3,000.60	3/4	2,631.77
6		6		6		6	4,835.58	6	4,468.24	6	4,099.41	6	3,730.58	6	3,361.74	6	2,992.91	6	2,624.08
1/4		1/4		1/4		1/4	4,827.96	1/4	4,460.56	1/4	4,091.73	1/4	3,722.90	1/4	3,354.06	1/4	2,985.23	1/4	2,616.40
1/2		1/2		1/2		1/2	4,820.34	1/2	4,452.87	1/2	4,084.04	1/2	3,715.21	1/2	3,346.38	1/2	2,977.55	1/2	2,608.71
3/4		3/4		3/4		3/4	4,812.72	3/4	4,445.19	3/4	4,076.36	3/4	3,707.53	3/4	3,338.69	3/4	2,969.86	3/4	2,601.03
7		7		7		7	4,805.10	7	4,437.50	7	4,068.67	7	3,699.84	7	3,331.01	7	2,962.18	7	2,593.34
1/4		1/4		1/4	5,115.98	1/4	4,797.48	1/4	4,429.82	1/4	4,060.99	1/4	3,692.16	1/4	3,323.33	1/4	2,954.50	1/4	2,585.66
1/2		1/2		1/2	5,113.48	1/2	4,789.86	1/2	4,422.14	1/2	4,053.31	1/2	3,684.47	1/2	3,315.64	1/2	2,946.81	1/2	2,577.98
3/4		3/4		3/4	5,110.98	3/4	4,782.23	3/4	4,414.45	3/4	4,045.62	3/4	3,676.79	3/4	3,307.96	3/4	2,939.13	3/4	2,570.29
8		8		8	5,108.47	8	4,774.61	8	4,406.77	8	4,037.94	8	3,669.10	8	3,300.27	8	2,931.44	8	2,562.61
1/4		1/4		1/4	5,104.69	1/4	4,766.99	1/4	4,399.09	1/4	4,030.26	1/4	3,661.42	1/4	3,292.59	1/4	2,923.76	1/4	2,554.93
1/2		1/2		1/2	5,100.91	1/2	4,759.37	1/2	4,391.40	1/2	4,022.57	1/2	3,653.74	1/2	3,284.91	1/2	2,916.07	1/2	2,547.24
3/4		3/4		3/4	5,097.13	3/4	4,751.74	3/4	4,383.72	3/4	4,014.89	3/4	3,646.05	3/4	3,277.22	3/4	2,908.39	3/4	2,539.56
9		9		9	5,093.34	9	4,744.12	9	4,376.03	9	4,007.20	9	3,638.37	9	3,269.54	9	2,900.70	9	2,531.87
1/4		1/4		1/4	5,088.28	1/4	4,736.50	1/4	4,368.35	1/4	3,999.52	1/4	3,630.69	1/4	3,261.86	1/4	2,893.02	1/4	2,524.19
1/2		1/2		1/2	5,083.22	1/2	4,728.88	1/2	4,360.67	1/2	3,991.83	1/2	3,623.00	1/2	3,254.17	1/2	2,885.34	1/2	2,516.51
3/4		3/4		3/4	5,078.16	3/4	4,721.25	3/4	4,352.98	3/4	3,984.15	3/4	3,615.32	3/4	3,246.49	3/4	2,877.65	3/4	2,508.82
10		10		10	5,073.10	10	4,713.63	10	4,345.30	10	3,976.46	10	3,607.63	10	3,238.80	10	2,869.97	10	2,501.14
1/4		1/4		1/4	5,066.76	1/4	4,706.01	1/4	4,337.62	1/4	3,968.78	1/4	3,599.95	1/4	3,231.12	1/4	2,862.29	1/4	2,493.46
1/2		1/2		1/2	5,060.41	1/2	4,698.39	1/2	4,329.93	1/2	3,961.10	1/2	3,592.27	1/2	3,223.43	1/2	2,854.60	1/2	2,485.77
3/4		3/4		3/4	5,054.07	3/4	4,690.76	3/4	4,322.25	3/4	3,953.41	3/4	3,584.58	3/4	3,215.75	3/4	2,846.92	3/4	2,478.09
11		11		11	5,047.72	11	4,683.14	11	4,314.56	11	3,945.73	11	3,576.90	11	3,208.06	11	2,839.23	11	2,470.40
1/4		1/4		1/4	5,040.42	1/4	4,675.52	1/4	4,306.88	1/4	3,938.05	1/4	3,569.22	1/4	3,200.38	1/4	2,831.55	1/4	2,462.72
1/2		1/2		1/2	5,033.12	1/2	4,667.90	1/2	4,299.19	1/2	3,930.36	1/2	3,561.53	1/2	3,192.70	1/2	2,823.87	1/2	2,455.03
3/4		3/4		3/4	5,025.82	3/4	4,660.28	3/4	4,291.51	3/4	3,922.68	3/4	3,553.85	3/4	3,185.01	3/4	2,816.18	3/4	2,447.35

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" DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 46'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "HTCO 3013"

## 1 STBD

### ULLAGE TABLE HERMETIC

#### GAUGE HEIGHT 16'-06 1/4"

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	2,439.66	0	2,070.83	0	1,702.00	0	1,333.17	0	964.34	0	595.50	0	226.67	0		0		0	
1/4	2,431.98	1/4	2,063.15	1/4	1,694.32	1/4	1,325.49	1/4	956.66	1/4	587.82	1/4	218.99	1/4		1/4		1/4	
1/2	2,424.30	1/2	2,055.47	1/2	1,686.63	1/2	1,317.80	1/2	948.97	1/2	580.14	1/2	211.31	1/2		1/2		1/2	
3/4	2,416.61	3/4	2,047.78	3/4	1,678.95	3/4	1,310.12	3/4	941.29	3/4	572.46	3/4	203.63	3/4		3/4		3/4	
1	2,408.93	1	2,040.10	1	1,671.26	1	1,302.43	1	933.60	1	564.77	1	195.94	1		1		1	
1/4	2,401.25	1/4	2,032.42	1/4	1,663.58	1/4	1,294.75	1/4	925.92	1/4	557.09	1/4	188.26	1/4		1/4		1/4	
1/2	2,393.56	1/2	2,024.73	1/2	1,655.90	1/2	1,287.07	1/2	918.23	1/2	549.40	1/2	180.57	1/2		1/2		1/2	
3/4	2,385.88	3/4	2,017.05	3/4	1,648.21	3/4	1,279.39	3/4	910.55	3/4	541.72	3/4	172.89	3/4		3/4		3/4	
2	2,378.19	2	2,009.36	2	1,640.53	2	1,271.70	2	902.86	2	534.03	2	165.20	2		2		2	
1/4	2,370.51	1/4	2,001.68	1/4	1,632.85	1/4	1,264.02	1/4	895.18	1/4	526.35	1/4	157.52	1/4		1/4		1/4	
1/2	2,362.83	1/2	1,993.99	1/2	1,625.16	1/2	1,256.33	1/2	887.50	1/2	518.67	1/2	149.83	1/2		1/2		1/2	
3/4	2,355.14	3/4	1,986.31	3/4	1,617.48	3/4	1,248.65	3/4	879.82	3/4	510.99	3/4	142.15	3/4		3/4		3/4	
3	2,347.46	3	1,978.62	3	1,609.79	3	1,240.96	3	872.13	3	503.30	3	134.46	3		3		3	
1/4	2,339.78	1/4	1,970.94	1/4	1,602.11	1/4	1,233.28	1/4	864.45	1/4	495.62	1/4	126.78	1/4		1/4		1/4	
1/2	2,332.09	1/2	1,963.26	1/2	1,594.43	1/2	1,225.59	1/2	856.76	1/2	487.93	1/2	119.10	1/2		1/2		1/2	
3/4	2,324.41	3/4	1,955.57	3/4	1,586.75	3/4	1,217.91	3/4	849.08	3/4	480.25	3/4	111.42	3/4		3/4		3/4	
4	2,316.72	4	1,947.89	4	1,579.06	4	1,210.22	4	841.39	4	472.56	4	103.73	4		4		4	
1/4	2,309.04	1/4	1,940.21	1/4	1,571.38	1/4	1,202.54	1/4	833.71	1/4	464.69	1/4	96.05	1/4		1/4		1/4	
1/2	2,301.35	1/2	1,932.52	1/2	1,563.69	1/2	1,194.86	1/2	826.03	1/2	456.82	1/2	88.36	1/2		1/2		1/2	
3/4	2,293.67	3/4	1,924.84	3/4	1,556.01	3/4	1,187.18	3/4	818.35	3/4	448.95	3/4	80.68	3/4		3/4		3/4	
5	2,285.98	5	1,917.15	5	1,548.32	5	1,179.49	5	810.66	5	441.07	5	72.99	5		5		5	
1/4	2,278.30	1/4	1,909.47	1/4	1,540.64	1/4	1,171.81	1/4	802.98	1/4	433.58	1/4	65.38	1/4		1/4		1/4	
1/2	2,270.62	1/2	1,901.79	1/2	1,532.96	1/2	1,164.12	1/2	795.29	1/2	426.08	1/2	57.77	1/2		1/2		1/2	
3/4	2,262.93	3/4	1,894.10	3/4	1,525.28	3/4	1,156.44	3/4	787.61	3/4	418.59	3/4	50.16	3/4		3/4		3/4	
6	2,255.25	6	1,886.42	6	1,517.59	6	1,148.75	6	779.92	6	411.09	6	42.55	6		6		6	
1/4	2,247.57	1/4	1,878.74	1/4	1,509.91	1/4	1,141.07	1/4	772.24	1/4	403.41	1/4	36.57	1/4		1/4		1/4	
1/2	2,239.88	1/2	1,871.05	1/2	1,502.22	1/2	1,133.39	1/2	764.55	1/2	395.72	1/2		1/2		1/2		1/2	
3/4	2,232.20	3/4	1,863.37	3/4	1,494.54	3/4	1,125.71	3/4	756.87	3/4	388.04	3/4		3/4		3/4		3/4	
7	2,224.51	7	1,855.68	7	1,486.85	7	1,118.02	7	749.18	7	380.35	7		7		7		7	
1/4	2,216.83	1/4	1,848.00	1/4	1,479.17	1/4	1,110.34	1/4	741.50	1/4	372.67	1/4		1/4		1/4		1/4	
1/2	2,209.15	1/2	1,840.31	1/2	1,471.48	1/2	1,102.65	1/2	733.82	1/2	364.99	1/2		1/2		1/2		1/2	
3/4	2,201.46	3/4	1,832.63	3/4	1,463.80	3/4	1,094.97	3/4	726.14	3/4	357.31	3/4		3/4		3/4		3/4	
8	2,193.78	8	1,824.94	8	1,456.11	8	1,087.28	8	718.45	8	349.62	8		8		8		8	
1/4	2,186.10	1/4	1,817.26	1/4	1,448.43	1/4	1,079.60	1/4	710.77	1/4	341.94	1/4		1/4		1/4		1/4	
1/2	2,178.41	1/2	1,809.58	1/2	1,440.75	1/2	1,071.91	1/2	703.08	1/2	334.25	1/2		1/2		1/2		1/2	
3/4	2,170.73	3/4	1,801.89	3/4	1,433.07	3/4	1,064.23	3/4	695.40	3/4	326.57	3/4		3/4		3/4		3/4	
9	2,163.04	9	1,794.21	9	1,425.38	9	1,056.54	9	687.71	9	318.88	9		9		9		9	
1/4	2,155.36	1/4	1,786.53	1/4	1,417.70	1/4	1,048.86	1/4	680.03	1/4	311.20	1/4		1/4		1/4		1/4	
1/2	2,147.67	1/2	1,778.84	1/2	1,410.01	1/2	1,041.18	1/2	672.35	1/2	303.51	1/2		1/2		1/2		1/2	
3/4	2,139.99	3/4	1,771.16	3/4	1,402.33	3/4	1,033.50	3/4	664.67	3/4	295.83	3/4		3/4		3/4		3/4	
10	2,132.30	10	1,763.47	10	1,394.64	10	1,025.81	10	656.98	10	288.14	10		10		10		10	
1/4	2,124.62	1/4	1,755.79	1/4	1,386.96	1/4	1,018.13	1/4	649.30	1/4	280.46	1/4		1/4		1/4		1/4	
1/2	2,116.94	1/2	1,748.11	1/2	1,379.27	1/2	1,010.44	1/2	641.61	1/2	272.78	1/2		1/2		1/2		1/2	
3/4	2,109.25	3/4	1,740.42	3/4	1,371.59	3/4	1,002.76	3/4	633.93	3/4	265.10	3/4		3/4		3/4		3/4	
11	2,101.57	11	1,732.74	11	1,363.90	11	995.07	11	626.24	11	257.41	11		11		11		11	
1/4	2,093.89	1/4	1,725.06	1/4	1,356.22	1/4	987.39	1/4	618.56	1/4	249.73	1/4		1/4		1/4		1/4	
1/2	2,086.20	1/2	1,717.37	1/2	1,348.54	1/2	979.71	1/2	610.87	1/2	242.04	1/2		1/2		1/2		1/2	
3/4	2,078.52	3/4	1,709.69	3/4	1,340.86	3/4	972.03	3/4	603.19	3/4	234.36	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/03/1996 INS  
RECALCULATED: 04/07/2020 PMA  
REPRINTED: 04/08/2020 PMA

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2020

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



# BARGE "HTCO 3013"

## 2 PORT ULLAGE TABLE

### HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	0	5,046.39	0	4,676.60	0	4,304.02	0	3,931.45	0	3,558.87	0	3,186.30	0	2,813.72			
1/4	1/4	1/4	1/4	1/4	5,038.69	1/4	4,668.84	1/4	4,296.26	1/4	3,923.69	1/4	3,551.11	1/4	3,178.54	1/4	2,805.96			
1/2	1/2	1/2	1/2	1/2	5,030.99	1/2	4,661.08	1/2	4,288.50	1/2	3,915.93	1/2	3,543.35	1/2	3,170.78	1/2	2,798.20			
3/4	3/4	3/4	3/4	3/4	5,023.29	3/4	4,653.31	3/4	4,280.74	3/4	3,908.16	3/4	3,535.58	3/4	3,163.01	3/4	2,790.43			
1	1	1	1	1	5,015.59	1	4,645.55	1	4,272.98	1	3,900.40	1	3,527.82	1	3,155.25	1	2,782.67			
1/4	1/4	1/4	1/4	1/4	5,007.89	1/4	4,637.79	1/4	4,265.22	1/4	3,892.64	1/4	3,520.06	1/4	3,147.49	1/4	2,774.91			
1/2	1/2	1/2	1/2	1/2	5,000.19	1/2	4,630.03	1/2	4,257.46	1/2	3,884.88	1/2	3,512.30	1/2	3,139.73	1/2	2,767.15			
3/4	3/4	3/4	3/4	3/4	4,992.49	3/4	4,622.26	3/4	4,249.69	3/4	3,877.11	3/4	3,504.54	3/4	3,131.96	3/4	2,759.38			
2	2	2	2	2	4,984.79	2	4,614.50	2	4,241.93	2	3,869.35	2	3,496.78	2	3,124.20	2	2,751.62			
1/4	1/4	1/4	1/4	1/4	4,977.09	1/4	4,606.74	1/4	4,234.17	1/4	3,861.59	1/4	3,489.02	1/4	3,116.44	1/4	2,743.86			
1/2	1/2	1/2	1/2	1/2	4,969.39	1/2	4,598.98	1/2	4,226.41	1/2	3,853.83	1/2	3,481.26	1/2	3,108.68	1/2	2,736.10			
3/4	3/4	3/4	3/4	3/4	4,961.69	3/4	4,591.22	3/4	4,218.64	3/4	3,846.06	3/4	3,473.49	3/4	3,100.91	3/4	2,728.34			
3	3	3	3	3	4,953.99	3	4,583.46	3	4,210.88	3	3,838.30	3	3,465.73	3	3,093.15	3	2,720.58			
1/4	1/4	1/4	1/4	1/4	4,946.29	1/4	4,575.70	1/4	4,203.12	1/4	3,830.54	1/4	3,457.97	1/4	3,085.39	1/4	2,712.82			
1/2	1/2	1/2	1/2	1/2	4,938.59	1/2	4,567.94	1/2	4,195.36	1/2	3,822.78	1/2	3,450.21	1/2	3,077.63	1/2	2,705.06			
3/4	3/4	3/4	3/4	3/4	4,930.89	3/4	4,560.17	3/4	4,187.59	3/4	3,815.02	3/4	3,442.44	3/4	3,069.86	3/4	2,697.29			
4	4	4	4	4	4,923.19	4	4,552.41	4	4,179.83	4	3,807.26	4	3,434.68	4	3,062.10	4	2,689.53			
1/4	1/4	1/4	1/4	1/4	4,915.49	1/4	4,544.65	1/4	4,172.07	1/4	3,799.50	1/4	3,426.92	1/4	3,054.34	1/4	2,681.77			
1/2	1/2	1/2	1/2	1/2	4,907.79	1/2	4,536.89	1/2	4,164.31	1/2	3,791.74	1/2	3,419.16	1/2	3,046.58	1/2	2,674.01			
3/4	3/4	3/4	3/4	3/4	4,900.09	3/4	4,529.12	3/4	4,156.54	3/4	3,783.97	3/4	3,411.39	3/4	3,038.82	3/4	2,666.24			
5	5	5	5	5	4,892.39	5	4,521.36	5	4,148.78	5	3,776.21	5	3,403.63	5	3,031.06	5	2,658.48			
1/4	1/4	1/4	1/4	1/4	4,884.69	1/4	4,513.60	1/4	4,141.02	1/4	3,768.45	1/4	3,395.87	1/4	3,023.30	1/4	2,650.72			
1/2	1/2	1/2	1/2	1/2	4,876.99	1/2	4,505.84	1/2	4,133.26	1/2	3,760.69	1/2	3,388.11	1/2	3,015.54	1/2	2,642.96			
3/4	3/4	3/4	3/4	3/4	4,869.29	3/4	4,498.07	3/4	4,125.50	3/4	3,752.92	3/4	3,380.34	3/4	3,007.77	3/4	2,635.19			
6	6	6	6	6	4,861.59	6	4,490.31	6	4,117.74	6	3,745.16	6	3,372.58	6	3,000.01	6	2,627.43			
1/4	1/4	1/4	1/4	5,170.14	4,853.89	1/4	4,482.55	1/4	4,109.98	1/4	3,737.40	1/4	3,364.82	1/4	2,992.25	1/4	2,619.67			
1/2	1/2	1/2	1/2	5,167.94	4,846.19	1/2	4,474.79	1/2	4,102.22	1/2	3,729.64	1/2	3,357.06	1/2	2,984.49	1/2	2,611.91			
3/4	3/4	3/4	3/4	5,165.74	4,838.49	3/4	4,467.02	3/4	4,094.45	3/4	3,721.87	3/4	3,349.30	3/4	2,976.72	3/4	2,604.14			
7	7	7	7	5,163.54	4,830.79	7	4,459.26	7	4,086.69	7	3,714.11	7	3,341.54	7	2,968.96	7	2,596.38			
1/4	1/4	1/4	1/4	5,160.04	4,823.09	1/4	4,451.50	1/4	4,078.93	1/4	3,706.35	1/4	3,333.78	1/4	2,961.20	1/4	2,588.62			
1/2	1/2	1/2	1/2	5,156.55	4,815.39	1/2	4,443.74	1/2	4,071.17	1/2	3,698.59	1/2	3,326.02	1/2	2,953.44	1/2	2,580.86			
3/4	3/4	3/4	3/4	5,153.05	4,807.69	3/4	4,435.98	3/4	4,063.40	3/4	3,690.82	3/4	3,318.25	3/4	2,945.67	3/4	2,573.10			
8	8	8	8	5,149.55	4,799.99	8	4,428.22	8	4,055.64	8	3,683.06	8	3,310.49	8	2,937.91	8	2,565.34			
1/4	1/4	1/4	1/4	5,144.76	4,792.29	1/4	4,420.46	1/4	4,047.88	1/4	3,675.30	1/4	3,302.73	1/4	2,930.15	1/4	2,557.58			
1/2	1/2	1/2	1/2	5,139.97	4,784.59	1/2	4,412.70	1/2	4,040.12	1/2	3,667.54	1/2	3,294.97	1/2	2,922.39	1/2	2,549.82			
3/4	3/4	3/4	3/4	5,135.18	4,776.89	3/4	4,404.93	3/4	4,032.35	3/4	3,659.78	3/4	3,287.20	3/4	2,914.62	3/4	2,542.05			
9	9	9	9	5,130.39	4,769.19	9	4,397.17	9	4,024.59	9	3,652.02	9	3,279.44	9	2,906.86	9	2,534.29			
1/4	1/4	1/4	1/4	5,124.31	4,761.49	1/4	4,389.41	1/4	4,016.83	1/4	3,644.26	1/4	3,271.68	1/4	2,899.10	1/4	2,526.53			
1/2	1/2	1/2	1/2	5,118.22	4,753.79	1/2	4,381.65	1/2	4,009.07	1/2	3,636.50	1/2	3,263.92	1/2	2,891.34	1/2	2,518.77			
3/4	3/4	3/4	3/4	5,112.14	4,746.09	3/4	4,373.88	3/4	4,001.30	3/4	3,628.73	3/4	3,256.15	3/4	2,883.58	3/4	2,511.00			
10	10	10	10	5,106.05	4,738.39	10	4,366.12	10	3,993.54	10	3,620.97	10	3,248.39	10	2,875.82	10	2,503.24			
1/4	1/4	1/4	1/4	5,098.84	4,730.69	1/4	4,358.36	1/4	3,985.78	1/4	3,613.21	1/4	3,240.63	1/4	2,868.06	1/4	2,495.48			
1/2	1/2	1/2	1/2	5,091.62	4,722.99	1/2	4,350.60	1/2	3,978.02	1/2	3,605.45	1/2	3,232.87	1/2	2,860.30	1/2	2,487.72			
3/4	3/4	3/4	3/4	5,084.41	4,715.29	3/4	4,342.83	3/4	3,970.26	3/4	3,597.68	3/4	3,225.10	3/4	2,852.53	3/4	2,479.95			
11	11	11	11	5,077.19	4,707.59	11	4,335.07	11	3,962.50	11	3,589.92	11	3,217.34	11	2,844.77	11	2,472.19			
1/4	1/4	1/4	1/4	5,069.49	4,699.84	1/4	4,327.31	1/4	3,954.74	1/4	3,582.16	1/4	3,209.58	1/4	2,837.01	1/4	2,464.43			
1/2	1/2	1/2	1/2	5,061.79	4,692.10	1/2	4,319.55	1/2	3,946.98	1/2	3,574.40	1/2	3,201.82	1/2	2,829.25	1/2	2,456.67			
3/4	3/4	3/4	3/4	5,054.09	4,684.35	3/4	4,311.78	3/4	3,939.21	3/4	3,566.63	3/4	3,194.06	3/4	2,821.48	3/4	2,448.90			

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" DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 46'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "HTCO 3013"

## 2 PORT ULLAGE TABLE HERMETIC

GAUGE HEIGHT 16'-06 1/4"

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	2,441.14	0	2,068.59	0	1,695.99	0	1,323.42	0	950.84	0	578.26	0	205.69	0		0		0	
1/4	2,433.38	1/4	2,060.82	1/4	1,688.23	1/4	1,315.66	1/4	943.08	1/4	570.50	1/4	197.93	1/4	1/4	1/4		1/4	
1/2	2,425.62	1/2	2,053.05	1/2	1,680.47	1/2	1,307.90	1/2	935.32	1/2	562.74	1/2	190.17	1/2	1/2	1/2		1/2	
3/4	2,417.86	3/4	2,045.29	3/4	1,672.70	3/4	1,300.13	3/4	927.55	3/4	554.98	3/4	182.40	3/4	3/4	3/4		3/4	
1	2,410.10	1	2,037.52	1	1,664.94	1	1,292.37	1	919.79	1	547.22	1	174.64	1	1	1		1	
1/4	2,402.34	1/4	2,029.76	1/4	1,657.18	1/4	1,284.61	1/4	912.03	1/4	539.46	1/4	166.88	1/4	1/4	1/4		1/4	
1/2	2,394.58	1/2	2,022.00	1/2	1,649.42	1/2	1,276.85	1/2	904.27	1/2	531.70	1/2	159.12	1/2	1/2	1/2		1/2	
3/4	2,386.81	3/4	2,014.23	3/4	1,641.66	3/4	1,269.08	3/4	896.50	3/4	523.93	3/4	151.35	3/4	3/4	3/4		3/4	
2	2,379.05	2	2,006.47	2	1,633.90	2	1,261.32	2	888.74	2	516.17	2	143.59	2	2	2		2	
1/4	2,371.29	1/4	1,998.71	1/4	1,626.14	1/4	1,253.56	1/4	880.98	1/4	508.41	1/4	135.83	1/4	1/4	1/4		1/4	
1/2	2,363.53	1/2	1,990.95	1/2	1,618.38	1/2	1,245.80	1/2	873.22	1/2	500.65	1/2	128.07	1/2	1/2	1/2		1/2	
3/4	2,355.76	3/4	1,983.18	3/4	1,610.61	3/4	1,238.03	3/4	865.46	3/4	492.88	3/4	120.30	3/4	3/4	3/4		3/4	
3	2,348.00	3	1,975.42	3	1,602.85	3	1,230.27	3	857.70	3	485.12	3	112.54	3	3	3		3	
1/4	2,340.24	1/4	1,967.66	1/4	1,595.09	1/4	1,222.51	1/4	849.94	1/4	477.36	1/4	104.78	1/4	1/4	1/4		1/4	
1/2	2,332.48	1/2	1,959.90	1/2	1,587.33	1/2	1,214.75	1/2	842.18	1/2	469.60	1/2	97.02	1/2	1/2	1/2		1/2	
3/4	2,324.71	3/4	1,952.14	3/4	1,579.56	3/4	1,206.98	3/4	834.41	3/4	461.83	3/4	89.26	3/4	3/4	3/4		3/4	
4	2,316.95	4	1,944.38	4	1,571.80	4	1,199.22	4	826.65	4	454.07	4	81.50	4	4	4		4	
1/4	2,309.19	1/4	1,936.62	1/4	1,564.04	1/4	1,191.46	1/4	818.89	1/4	446.31	1/4	73.74	1/4	1/4	1/4		1/4	
1/2	2,301.43	1/2	1,928.86	1/2	1,556.28	1/2	1,183.70	1/2	811.13	1/2	438.55	1/2	65.98	1/2	1/2	1/2		1/2	
3/4	2,293.66	3/4	1,921.09	3/4	1,548.51	3/4	1,175.94	3/4	803.36	3/4	430.78	3/4	58.21	3/4	3/4	3/4		3/4	
5	2,285.90	5	1,913.33	5	1,540.75	5	1,168.18	5	795.60	5	423.02	5	50.45	5	5	5		5	
1/4	2,278.14	1/4	1,905.57	1/4	1,532.99	1/4	1,160.42	1/4	787.84	1/4	415.26	1/4	44.11	1/4	1/4	1/4		1/4	
1/2	2,270.38	1/2	1,897.81	1/2	1,525.23	1/2	1,152.66	1/2	780.08	1/2	407.50	1/2	37.76	1/2	1/2	1/2		1/2	
3/4	2,262.62	3/4	1,890.04	3/4	1,517.46	3/4	1,144.89	3/4	772.31	3/4	399.74	3/4	31.42	3/4	3/4	3/4		3/4	
6	2,254.86	6	1,882.28	6	1,509.70	6	1,137.13	6	764.55	6	391.98	6	25.07	6	6	6		6	
1/4	2,247.10	1/4	1,874.52	1/4	1,501.94	1/4	1,129.37	1/4	756.79	1/4	384.22	1/4	20.89	1/4	1/4	1/4		1/4	
1/2	2,239.34	1/2	1,866.76	1/2	1,494.18	1/2	1,121.61	1/2	749.03	1/2	376.46	1/2		1/2	1/2	1/2		1/2	
3/4	2,231.57	3/4	1,858.99	3/4	1,486.42	3/4	1,113.84	3/4	741.26	3/4	368.69	3/4		3/4	3/4	3/4		3/4	
7	2,223.81	7	1,851.23	7	1,478.66	7	1,106.08	7	733.50	7	360.93	7		7	7	7		7	
1/4	2,216.05	1/4	1,843.47	1/4	1,470.90	1/4	1,098.32	1/4	725.74	1/4	353.17	1/4		1/4	1/4	1/4		1/4	
1/2	2,208.29	1/2	1,835.71	1/2	1,463.14	1/2	1,090.56	1/2	717.98	1/2	345.41	1/2		1/2	1/2	1/2		1/2	
3/4	2,200.52	3/4	1,827.94	3/4	1,455.37	3/4	1,082.79	3/4	710.22	3/4	337.64	3/4		3/4	3/4	3/4		3/4	
8	2,192.76	8	1,820.18	8	1,447.61	8	1,075.03	8	702.46	8	329.88	8		8	8	8		8	
1/4	2,185.00	1/4	1,812.42	1/4	1,439.85	1/4	1,067.27	1/4	694.70	1/4	322.12	1/4		1/4	1/4	1/4		1/4	
1/2	2,177.24	1/2	1,804.66	1/2	1,432.09	1/2	1,059.51	1/2	686.94	1/2	314.36	1/2		1/2	1/2	1/2		1/2	
3/4	2,169.47	3/4	1,796.90	3/4	1,424.32	3/4	1,051.74	3/4	679.17	3/4	306.59	3/4		3/4	3/4	3/4		3/4	
9	2,161.71	9	1,789.14	9	1,416.56	9	1,043.98	9	671.41	9	298.83	9		9	9	9		9	
1/4	2,153.95	1/4	1,781.38	1/4	1,408.80	1/4	1,036.22	1/4	663.65	1/4	291.07	1/4		1/4	1/4	1/4		1/4	
1/2	2,146.19	1/2	1,773.62	1/2	1,401.04	1/2	1,028.46	1/2	655.89	1/2	283.31	1/2		1/2	1/2	1/2		1/2	
3/4	2,138.42	3/4	1,765.85	3/4	1,393.27	3/4	1,020.70	3/4	648.12	3/4	275.54	3/4		3/4	3/4	3/4		3/4	
10	2,130.66	10	1,758.09	10	1,385.51	10	1,012.94	10	640.36	10	267.78	10		10	10	10		10	
1/4	2,122.90	1/4	1,750.33	1/4	1,377.75	1/4	1,005.18	1/4	632.60	1/4	260.02	1/4		1/4	1/4	1/4		1/4	
1/2	2,115.14	1/2	1,742.57	1/2	1,369.99	1/2	997.42	1/2	624.84	1/2	252.26	1/2		1/2	1/2	1/2		1/2	
3/4	2,107.38	3/4	1,734.80	3/4	1,362.22	3/4	989.65	3/4	617.07	3/4	244.50	3/4		3/4	3/4	3/4		3/4	
11	2,099.62	11	1,727.04	11	1,354.46	11	981.89	11	609.31	11	236.74	11		11	11	11		11	
1/4	2,091.86	1/4	1,719.28	1/4	1,346.70	1/4	974.13	1/4	601.55	1/4	228.98	1/4		1/4	1/4	1/4		1/4	
1/2	2,084.10	1/2	1,711.52	1/2	1,338.94	1/2	966.37	1/2	593.79	1/2	221.22	1/2		1/2	1/2	1/2		1/2	
3/4	2,076.35	3/4	1,703.75	3/4	1,331.18	3/4	958.60	3/4	586.02	3/4	213.45	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/03/1996 INS  
RECALCULATED: 04/07/2020 PMA  
REPRINTED: 04/08/2020 PMA

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2020

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



# BARGE "HTCO 3013"

## 2 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	5,030.99	0	4,661.08	0	4,288.50	0	3,915.93	0	3,543.35	0	3,170.78	0	2,798.20
1/4		1/4		1/4		1/4	5,023.29	1/4	4,653.31	1/4	4,280.74	1/4	3,908.16	1/4	3,535.58	1/4	3,163.01	1/4	2,790.43
1/2		1/2		1/2		1/2	5,015.59	1/2	4,645.55	1/2	4,272.98	1/2	3,900.40	1/2	3,527.82	1/2	3,155.25	1/2	2,782.67
3/4		3/4		3/4		3/4	5,007.89	3/4	4,637.79	3/4	4,265.22	3/4	3,892.64	3/4	3,520.06	3/4	3,147.49	3/4	2,774.91
1		1		1		1	5,000.19	1	4,630.03	1	4,257.46	1	3,884.88	1	3,512.30	1	3,139.73	1	2,767.15
1/4		1/4		1/4		1/4	4,992.49	1/4	4,622.26	1/4	4,249.69	1/4	3,877.11	1/4	3,504.54	1/4	3,131.96	1/4	2,759.38
1/2		1/2		1/2		1/2	4,984.79	1/2	4,614.50	1/2	4,241.93	1/2	3,869.35	1/2	3,496.78	1/2	3,124.20	1/2	2,751.62
3/4		3/4		3/4		3/4	4,977.09	3/4	4,606.74	3/4	4,234.17	3/4	3,861.59	3/4	3,489.02	3/4	3,116.44	3/4	2,743.86
2		2		2		2	4,969.39	2	4,598.98	2	4,226.41	2	3,853.83	2	3,481.26	2	3,108.68	2	2,736.10
1/4		1/4		1/4		1/4	4,961.69	1/4	4,591.22	1/4	4,218.64	1/4	3,846.06	1/4	3,473.49	1/4	3,100.91	1/4	2,728.34
1/2		1/2		1/2		1/2	4,953.99	1/2	4,583.46	1/2	4,210.88	1/2	3,838.30	1/2	3,465.73	1/2	3,093.15	1/2	2,720.58
3/4		3/4		3/4		3/4	4,946.29	3/4	4,575.70	3/4	4,203.12	3/4	3,830.54	3/4	3,457.97	3/4	3,085.39	3/4	2,712.82
3		3		3		3	4,938.59	3	4,567.94	3	4,195.36	3	3,822.78	3	3,450.21	3	3,077.63	3	2,705.06
1/4		1/4		1/4		1/4	4,930.89	1/4	4,560.17	1/4	4,187.59	1/4	3,815.02	1/4	3,442.44	1/4	3,069.86	1/4	2,697.29
1/2		1/2		1/2		1/2	4,923.19	1/2	4,552.41	1/2	4,179.83	1/2	3,807.26	1/2	3,434.68	1/2	3,062.10	1/2	2,689.53
3/4		3/4		3/4		3/4	4,915.49	3/4	4,544.65	3/4	4,172.07	3/4	3,799.50	3/4	3,426.92	3/4	3,054.34	3/4	2,681.77
4		4		4		4	4,907.79	4	4,536.89	4	4,164.31	4	3,791.74	4	3,419.16	4	3,046.58	4	2,674.01
1/4		1/4		1/4		1/4	4,900.09	1/4	4,529.12	1/4	4,156.54	1/4	3,783.97	1/4	3,411.39	1/4	3,038.82	1/4	2,666.24
1/2		1/2		1/2		1/2	4,892.39	1/2	4,521.36	1/2	4,148.78	1/2	3,776.21	1/2	3,403.63	1/2	3,031.06	1/2	2,658.48
3/4		3/4		3/4		3/4	4,884.69	3/4	4,513.60	3/4	4,141.02	3/4	3,768.45	3/4	3,395.87	3/4	3,023.30	3/4	2,650.72
5		5		5		5	4,876.99	5	4,505.84	5	4,133.26	5	3,760.69	5	3,388.11	5	3,015.54	5	2,642.96
1/4		1/4		1/4		1/4	4,869.29	1/4	4,498.07	1/4	4,125.50	1/4	3,752.92	1/4	3,380.34	1/4	3,007.77	1/4	2,635.19
1/2		1/2		1/2		1/2	4,861.59	1/2	4,490.31	1/2	4,117.74	1/2	3,745.16	1/2	3,372.58	1/2	3,000.01	1/2	2,627.43
3/4		3/4		3/4		3/4	5,170.14	3/4	4,853.89	3/4	4,482.55	3/4	4,109.98	3/4	3,737.40	3/4	3,364.82	3/4	2,992.25
6		6		6		6	5,167.94	6	4,846.19	6	4,474.79	6	4,102.22	6	3,729.64	6	3,357.06	6	2,984.49
1/4		1/4		1/4		1/4	5,165.74	1/4	4,838.49	1/4	4,467.02	1/4	4,094.45	1/4	3,721.87	1/4	3,349.30	1/4	2,976.72
1/2		1/2		1/2		1/2	5,163.54	1/2	4,830.79	1/2	4,459.26	1/2	4,086.69	1/2	3,714.11	1/2	3,341.54	1/2	2,968.96
3/4		3/4		3/4		3/4	5,160.04	3/4	4,823.09	3/4	4,451.50	3/4	4,078.93	3/4	3,706.35	3/4	3,333.78	3/4	2,961.20
7		7		7		7	5,156.55	7	4,815.39	7	4,443.74	7	4,071.17	7	3,698.59	7	3,326.02	7	2,953.44
1/4		1/4		1/4		1/4	5,153.05	1/4	4,807.69	1/4	4,435.98	1/4	4,063.40	1/4	3,690.82	1/4	3,318.25	1/4	2,945.67
1/2		1/2		1/2		1/2	5,149.55	1/2	4,799.99	1/2	4,428.22	1/2	4,055.64	1/2	3,683.06	1/2	3,310.49	1/2	2,937.91
3/4		3/4		3/4		3/4	5,144.76	3/4	4,792.29	3/4	4,420.46	3/4	4,047.88	3/4	3,675.30	3/4	3,302.73	3/4	2,930.15
8		8		8		8	5,139.97	8	4,784.59	8	4,412.70	8	4,040.12	8	3,667.54	8	3,294.97	8	2,922.39
1/4		1/4		1/4		1/4	5,135.18	1/4	4,776.89	1/4	4,404.93	1/4	4,032.35	1/4	3,659.78	1/4	3,287.20	1/4	2,914.62
1/2		1/2		1/2		1/2	5,130.39	1/2	4,769.19	1/2	4,397.17	1/2	4,024.59	1/2	3,652.02	1/2	3,279.44	1/2	2,906.86
3/4		3/4		3/4		3/4	5,124.31	3/4	4,761.49	3/4	4,389.41	3/4	4,016.83	3/4	3,644.26	3/4	3,271.68	3/4	2,899.10
9		9		9		9	5,118.22	9	4,753.79	9	4,381.65	9	4,009.07	9	3,636.50	9	3,263.92	9	2,891.34
1/4		1/4		1/4		1/4	5,112.14	1/4	4,746.09	1/4	4,373.88	1/4	4,001.30	1/4	3,628.73	1/4	3,256.15	1/4	2,883.58
1/2		1/2		1/2		1/2	5,106.05	1/2	4,738.39	1/2	4,366.12	1/2	3,993.54	1/2	3,620.97	1/2	3,248.39	1/2	2,875.82
3/4		3/4		3/4		3/4	5,098.84	3/4	4,730.69	3/4	4,358.36	3/4	3,985.78	3/4	3,613.21	3/4	3,240.63	3/4	2,868.06
10		10		10		10	5,091.62	10	4,722.99	10	4,350.60	10	3,978.02	10	3,605.45	10	3,232.87	10	2,860.30
1/4		1/4		1/4		1/4	5,084.41	1/4	4,715.29	1/4	4,342.83	1/4	3,970.26	1/4	3,597.68	1/4	3,225.10	1/4	2,852.53
1/2		1/2		1/2		1/2	5,077.19	1/2	4,707.59	1/2	4,335.07	1/2	3,962.50	1/2	3,589.92	1/2	3,217.34	1/2	2,844.77
3/4		3/4		3/4		3/4	5,069.49	3/4	4,699.84	3/4	4,327.31	3/4	3,954.74	3/4	3,582.16	3/4	3,209.58	3/4	2,837.01
11		11		11		11	5,061.79	11	4,692.10	11	4,319.55	11	3,946.98	11	3,574.40	11	3,201.82	11	2,829.25
1/4		1/4		1/4		1/4	5,054.09	1/4	4,684.35	1/4	4,311.78	1/4	3,939.21	1/4	3,566.63	1/4	3,194.06	1/4	2,821.48
1/2		1/2		1/2		1/2	5,046.39	1/2	4,676.60	1/2	4,304.02	1/2	3,931.45	1/2	3,558.87	1/2	3,186.30	1/2	2,813.72
3/4		3/4		3/4		3/4	5,038.69	3/4	4,668.84	3/4	4,296.26	3/4	3,923.69	3/4	3,551.11	3/4	3,178.54	3/4	2,805.96

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" DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 46'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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





# BARGE "HTCO 3013"

## 2 STBD

### ULLAGE TABLE HERMETIC

#### GAUGE HEIGHT 16'-05 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	2,425.62	0	2,053.05	0	1,680.47	0	1,307.90	0	935.32	0	562.74	0	190.17	0		0		0	
1/4	2,417.86	1/4	2,045.29	1/4	1,672.70	1/4	1,300.13	1/4	927.55	1/4	554.98	1/4	182.40	1/4		1/4		1/4	
1/2	2,410.10	1/2	2,037.52	1/2	1,664.94	1/2	1,292.37	1/2	919.79	1/2	547.22	1/2	174.64	1/2		1/2		1/2	
3/4	2,402.34	3/4	2,029.76	3/4	1,657.18	3/4	1,284.61	3/4	912.03	3/4	539.46	3/4	166.88	3/4		3/4		3/4	
1	2,394.58	1	2,022.00	1	1,649.42	1	1,276.85	1	904.27	1	531.70	1	159.12	1		1		1	
1/4	2,386.81	1/4	2,014.23	1/4	1,641.66	1/4	1,269.08	1/4	896.50	1/4	523.93	1/4	151.35	1/4		1/4		1/4	
1/2	2,379.05	1/2	2,006.47	1/2	1,633.90	1/2	1,261.32	1/2	888.74	1/2	516.17	1/2	143.59	1/2		1/2		1/2	
3/4	2,371.29	3/4	1,998.71	3/4	1,626.14	3/4	1,253.56	3/4	880.98	3/4	508.41	3/4	135.83	3/4		3/4		3/4	
2	2,363.53	2	1,990.95	2	1,618.38	2	1,245.80	2	873.22	2	500.65	2	128.07	2		2		2	
1/4	2,355.76	1/4	1,983.18	1/4	1,610.61	1/4	1,238.03	1/4	865.46	1/4	492.88	1/4	120.30	1/4		1/4		1/4	
1/2	2,348.00	1/2	1,975.42	1/2	1,602.85	1/2	1,230.27	1/2	857.70	1/2	485.12	1/2	112.54	1/2		1/2		1/2	
3/4	2,340.24	3/4	1,967.66	3/4	1,595.09	3/4	1,222.51	3/4	849.94	3/4	477.36	3/4	104.78	3/4		3/4		3/4	
3	2,332.48	3	1,959.90	3	1,587.33	3	1,214.75	3	842.18	3	469.60	3	97.02	3		3		3	
1/4	2,324.71	1/4	1,952.14	1/4	1,579.56	1/4	1,206.98	1/4	834.41	1/4	461.83	1/4	89.26	1/4		1/4		1/4	
1/2	2,316.95	1/2	1,944.38	1/2	1,571.80	1/2	1,199.22	1/2	826.65	1/2	454.07	1/2	81.50	1/2		1/2		1/2	
3/4	2,309.19	3/4	1,936.62	3/4	1,564.04	3/4	1,191.46	3/4	818.89	3/4	446.31	3/4	73.74	3/4		3/4		3/4	
4	2,301.43	4	1,928.86	4	1,556.28	4	1,183.70	4	811.13	4	438.55	4	65.98	4		4		4	
1/4	2,293.66	1/4	1,921.09	1/4	1,548.51	1/4	1,175.94	1/4	803.36	1/4	430.78	1/4	58.21	1/4		1/4		1/4	
1/2	2,285.90	1/2	1,913.33	1/2	1,540.75	1/2	1,168.18	1/2	795.60	1/2	423.02	1/2	50.45	1/2		1/2		1/2	
3/4	2,278.14	3/4	1,905.57	3/4	1,532.99	3/4	1,160.42	3/4	787.84	3/4	415.26	3/4	44.11	3/4		3/4		3/4	
5	2,270.38	5	1,897.81	5	1,525.23	5	1,152.66	5	780.08	5	407.50	5	37.76	5		5		5	
1/4	2,262.62	1/4	1,890.04	1/4	1,517.46	1/4	1,144.89	1/4	772.31	1/4	399.74	1/4	31.42	1/4		1/4		1/4	
1/2	2,254.86	1/2	1,882.28	1/2	1,509.70	1/2	1,137.13	1/2	764.55	1/2	391.98	1/2	25.07	1/2		1/2		1/2	
3/4	2,247.10	3/4	1,874.52	3/4	1,501.94	3/4	1,129.37	3/4	756.79	3/4	384.22	3/4	20.89	3/4		3/4		3/4	
6	2,239.34	6	1,866.76	6	1,494.18	6	1,121.61	6	749.03	6	376.46	6		6		6		6	
1/4	2,231.57	1/4	1,858.99	1/4	1,486.42	1/4	1,113.84	1/4	741.26	1/4	368.69	1/4		1/4		1/4		1/4	
1/2	2,223.81	1/2	1,851.23	1/2	1,478.66	1/2	1,106.08	1/2	733.50	1/2	360.93	1/2		1/2		1/2		1/2	
3/4	2,216.05	3/4	1,843.47	3/4	1,470.90	3/4	1,098.32	3/4	725.74	3/4	353.17	3/4		3/4		3/4		3/4	
7	2,208.29	7	1,835.71	7	1,463.14	7	1,090.56	7	717.98	7	345.41	7		7		7		7	
1/4	2,200.52	1/4	1,827.94	1/4	1,455.37	1/4	1,082.79	1/4	710.22	1/4	337.64	1/4		1/4		1/4		1/4	
1/2	2,192.76	1/2	1,820.18	1/2	1,447.61	1/2	1,075.03	1/2	702.46	1/2	329.88	1/2		1/2		1/2		1/2	
3/4	2,185.00	3/4	1,812.42	3/4	1,439.85	3/4	1,067.27	3/4	694.70	3/4	322.12	3/4		3/4		3/4		3/4	
8	2,177.24	8	1,804.66	8	1,432.09	8	1,059.51	8	686.94	8	314.36	8		8		8		8	
1/4	2,169.47	1/4	1,796.90	1/4	1,424.32	1/4	1,051.74	1/4	679.17	1/4	306.59	1/4		1/4		1/4		1/4	
1/2	2,161.71	1/2	1,789.14	1/2	1,416.56	1/2	1,043.98	1/2	671.41	1/2	298.83	1/2		1/2		1/2		1/2	
3/4	2,153.95	3/4	1,781.38	3/4	1,408.80	3/4	1,036.22	3/4	663.65	3/4	291.07	3/4		3/4		3/4		3/4	
9	2,146.19	9	1,773.62	9	1,401.04	9	1,028.46	9	655.89	9	283.31	9		9		9		9	
1/4	2,138.42	1/4	1,765.85	1/4	1,393.27	1/4	1,020.70	1/4	648.12	1/4	275.54	1/4		1/4		1/4		1/4	
1/2	2,130.66	1/2	1,758.09	1/2	1,385.51	1/2	1,012.94	1/2	640.36	1/2	267.78	1/2		1/2		1/2		1/2	
3/4	2,122.90	3/4	1,750.33	3/4	1,377.75	3/4	1,005.18	3/4	632.60	3/4	260.02	3/4		3/4		3/4		3/4	
10	2,115.14	10	1,742.57	10	1,369.99	10	997.42	10	624.84	10	252.26	10		10		10		10	
1/4	2,107.38	1/4	1,734.80	1/4	1,362.22	1/4	989.65	1/4	617.07	1/4	244.50	1/4		1/4		1/4		1/4	
1/2	2,099.62	1/2	1,727.04	1/2	1,354.46	1/2	981.89	1/2	609.31	1/2	236.74	1/2		1/2		1/2		1/2	
3/4	2,091.86	3/4	1,719.28	3/4	1,346.70	3/4	974.13	3/4	601.55	3/4	228.98	3/4		3/4		3/4		3/4	
11	2,084.10	11	1,711.52	11	1,338.94	11	966.37	11	593.79	11	221.22	11		11		11		11	
1/4	2,076.35	1/4	1,703.75	1/4	1,331.18	1/4	958.60	1/4	586.02	1/4	213.45	1/4		1/4		1/4		1/4	
1/2	2,068.59	1/2	1,695.99	1/2	1,323.42	1/2	950.84	1/2	578.26	1/2	205.69	1/2		1/2		1/2		1/2	
3/4	2,060.82	3/4	1,688.23	3/4	1,315.66	3/4	943.08	3/4	570.50	3/4	197.93	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/03/1996 INS  
RECALCULATED: 04/07/2020 PMA  
REPRINTED: 04/08/2020 PMA

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2020

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





# BARGE "HTCO 3013"

## 3 PORT ULLAGE TABLE HERMETIC

GAUGE HEIGHT 16'-06 1/4"

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	2,046.98	0	1,735.55	0	1,424.13	0	1,112.70	0	801.28	0	489.86	0	178.43	0		0		0	
1/4	2,040.49	1/4	1,729.06	1/4	1,417.64	1/4	1,106.21	1/4	794.79	1/4	483.37	1/4	171.94	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,034.00	1/2	1,722.57	1/2	1,411.15	1/2	1,099.72	1/2	788.30	1/2	476.88	1/2	165.45	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,027.51	3/4	1,716.09	3/4	1,404.67	3/4	1,093.24	3/4	781.82	3/4	470.39	3/4	158.97	3/4	3/4	3/4	3/4	3/4	3/4
1	2,021.02	1	1,709.60	1	1,398.18	1	1,086.75	1	775.33	1	463.90	1	152.48	1	1	1	1	1	1
1/4	2,014.53	1/4	1,703.11	1/4	1,391.69	1/4	1,080.26	1/4	768.84	1/4	457.41	1/4	145.99	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,008.04	1/2	1,696.62	1/2	1,385.20	1/2	1,073.77	1/2	762.35	1/2	450.92	1/2	139.50	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,001.56	3/4	1,690.14	3/4	1,378.71	3/4	1,067.29	3/4	755.87	3/4	444.44	3/4	133.02	3/4	3/4	3/4	3/4	3/4	3/4
2	1,995.07	2	1,683.65	2	1,372.22	2	1,060.80	2	749.38	2	437.95	2	126.53	2	2	2	2	2	2
1/4	1,988.58	1/4	1,677.16	1/4	1,365.73	1/4	1,054.31	1/4	742.89	1/4	431.46	1/4	120.04	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,982.09	1/2	1,670.67	1/2	1,359.24	1/2	1,047.82	1/2	736.40	1/2	424.97	1/2	113.55	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,975.61	3/4	1,664.19	3/4	1,352.76	3/4	1,041.34	3/4	729.91	3/4	418.49	3/4	107.07	3/4	3/4	3/4	3/4	3/4	3/4
3	1,969.12	3	1,657.70	3	1,346.27	3	1,034.85	3	723.42	3	412.00	3	100.58	3	3	3	3	3	3
1/4	1,962.63	1/4	1,651.21	1/4	1,339.78	1/4	1,028.36	1/4	716.93	1/4	405.51	1/4	94.09	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,956.14	1/2	1,644.72	1/2	1,333.29	1/2	1,021.87	1/2	710.44	1/2	399.02	1/2	87.60	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,949.66	3/4	1,638.23	3/4	1,326.81	3/4	1,015.39	3/4	703.96	3/4	392.54	3/4	81.11	3/4	3/4	3/4	3/4	3/4	3/4
4	1,943.17	4	1,631.74	4	1,320.32	4	1,008.90	4	697.47	4	386.05	4	74.62	4	4	4	4	4	4
1/4	1,936.68	1/4	1,625.25	1/4	1,313.83	1/4	1,002.41	1/4	690.98	1/4	379.56	1/4	68.13	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,930.19	1/2	1,618.76	1/2	1,307.34	1/2	995.92	1/2	684.49	1/2	373.07	1/2	61.64	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,923.71	3/4	1,612.28	3/4	1,300.86	3/4	989.43	3/4	678.01	3/4	366.59	3/4	55.16	3/4	3/4	3/4	3/4	3/4	3/4
5	1,917.22	5	1,605.79	5	1,294.37	5	982.94	5	671.52	5	360.10	5	48.67	5	5	5	5	5	5
1/4	1,910.73	1/4	1,599.30	1/4	1,287.88	1/4	976.45	1/4	665.03	1/4	353.61	1/4	42.99	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,904.24	1/2	1,592.81	1/2	1,281.39	1/2	969.96	1/2	658.54	1/2	347.12	1/2	37.31	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,897.75	3/4	1,586.33	3/4	1,274.91	3/4	963.48	3/4	652.06	3/4	340.63	3/4	31.64	3/4	3/4	3/4	3/4	3/4	3/4
6	1,891.26	6	1,579.84	6	1,268.42	6	956.99	6	645.57	6	334.14	6	25.96	6	6	6	6	6	6
1/4	1,884.77	1/4	1,573.35	1/4	1,261.93	1/4	950.50	1/4	639.08	1/4	327.65	1/4	21.97	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,878.28	1/2	1,566.86	1/2	1,255.44	1/2	944.01	1/2	632.59	1/2	321.16	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,871.80	3/4	1,560.38	3/4	1,248.95	3/4	937.53	3/4	626.11	3/4	314.68	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	1,865.31	7	1,553.89	7	1,242.46	7	931.04	7	619.62	7	308.19	7	7	7	7	7	7	7	7
1/4	1,858.82	1/4	1,547.40	1/4	1,235.97	1/4	924.55	1/4	613.13	1/4	301.70	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,852.33	1/2	1,540.91	1/2	1,229.48	1/2	918.06	1/2	606.64	1/2	295.21	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,845.85	3/4	1,534.43	3/4	1,223.00	3/4	911.58	3/4	600.15	3/4	288.73	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,839.36	8	1,527.94	8	1,216.51	8	905.09	8	593.66	8	282.24	8	8	8	8	8	8	8	8
1/4	1,832.87	1/4	1,521.45	1/4	1,210.02	1/4	898.60	1/4	587.17	1/4	275.75	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,826.38	1/2	1,514.96	1/2	1,203.53	1/2	892.11	1/2	580.68	1/2	269.26	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,819.90	3/4	1,508.47	3/4	1,197.05	3/4	885.63	3/4	574.20	3/4	262.78	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,813.41	9	1,501.98	9	1,190.56	9	879.14	9	567.71	9	256.29	9	9	9	9	9	9	9	9
1/4	1,806.92	1/4	1,495.49	1/4	1,184.07	1/4	872.65	1/4	561.22	1/4	249.80	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,800.43	1/2	1,489.00	1/2	1,177.58	1/2	866.16	1/2	554.73	1/2	243.31	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,793.95	3/4	1,482.52	3/4	1,171.10	3/4	859.67	3/4	548.25	3/4	236.83	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,787.46	10	1,476.03	10	1,164.61	10	853.18	10	541.76	10	230.34	10	10	10	10	10	10	10	10
1/4	1,780.97	1/4	1,469.54	1/4	1,158.12	1/4	846.69	1/4	535.27	1/4	223.85	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,774.48	1/2	1,463.05	1/2	1,151.63	1/2	840.20	1/2	528.78	1/2	217.36	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,767.99	3/4	1,456.57	3/4	1,145.15	3/4	833.72	3/4	522.30	3/4	210.87	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,761.50	11	1,450.08	11	1,138.66	11	827.23	11	515.81	11	204.38	11	11	11	11	11	11	11	11
1/4	1,755.01	1/4	1,443.59	1/4	1,132.17	1/4	820.74	1/4	509.32	1/4	197.89	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,748.52	1/2	1,437.10	1/2	1,125.68	1/2	814.25	1/2	502.83	1/2	191.40	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,742.04	3/4	1,430.62	3/4	1,119.19	3/4	807.77	3/4	496.35	3/4	184.92	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/03/1996 INS  
RECALCULATED: 04/07/2020 PMA  
REPRINTED: 04/08/2020 PMA

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2020

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



# BARGE "HTCO 3013"

## 3 STBD

### ULLAGE TABLE

#### HERMETIC

GAUGE HEIGHT 16'-05 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	3,626.11	0	3,457.99	0	3,288.36	0	3,118.73	0	2,946.75	0	2,656.46	0	2,344.42
1/4		1/4		1/4		1/4	3,622.62	1/4	3,454.45	1/4	3,284.82	1/4	3,115.19	1/4	2,942.50	1/4	2,650.00	1/4	2,338.44
1/2		1/2		1/2		1/2	3,619.12	1/2	3,450.92	1/2	3,281.29	1/2	3,111.66	1/2	2,938.25	1/2	2,643.53	1/2	2,332.45
3/4		3/4		3/4		3/4	3,615.62	3/4	3,447.39	3/4	3,277.76	3/4	3,108.12	3/4	2,933.50	3/4	2,637.06	3/4	2,325.96
1		1		1		1	3,612.12	1	3,443.85	1	3,274.22	1	3,104.59	1	2,928.76	1	2,630.59	1	2,319.47
1/4		1/4		1/4		1/4	3,608.62	1/4	3,440.32	1/4	3,270.69	1/4	3,101.05	1/4	2,924.01	1/4	2,624.13	1/4	2,312.99
1/2		1/2		1/2		1/2	3,605.12	1/2	3,436.79	1/2	3,267.16	1/2	3,097.52	1/2	2,919.27	1/2	2,617.66	1/2	2,306.50
3/4		3/4		3/4		3/4	3,601.62	3/4	3,433.25	3/4	3,263.62	3/4	3,093.99	3/4	2,914.03	3/4	2,611.19	3/4	2,300.01
2		2		2		2	3,598.12	2	3,429.72	2	3,260.09	2	3,090.45	2	2,908.79	2	2,608.72	2	2,293.52
1/4		1/4		1/4		1/4	3,594.63	1/4	3,426.18	1/4	3,256.55	1/4	3,086.92	1/4	2,903.56	1/4	2,598.26	1/4	2,287.03
1/2		1/2		1/2		1/2	3,591.13	1/2	3,422.65	1/2	3,253.02	1/2	3,083.39	1/2	2,898.32	1/2	2,591.79	1/2	2,280.54
3/4		3/4		3/4		3/4	3,587.63	3/4	3,419.12	3/4	3,249.48	3/4	3,079.85	3/4	2,892.59	3/4	2,585.32	3/4	2,274.05
3		3		3		3	3,584.13	3	3,415.58	3	3,245.95	3	3,076.32	3	2,886.86	3	2,578.85	3	2,267.56
1/4		1/4		1/4		1/4	3,580.64	1/4	3,412.05	1/4	3,242.41	1/4	3,072.78	1/4	2,881.13	1/4	2,572.39	1/4	2,261.08
1/2		1/2		1/2		1/2	3,577.14	1/2	3,408.52	1/2	3,238.88	1/2	3,069.25	1/2	2,875.40	1/2	2,565.92	1/2	2,254.59
3/4		3/4		3/4		3/4	3,573.64	3/4	3,404.98	3/4	3,235.35	3/4	3,065.72	3/4	2,869.18	3/4	2,559.45	3/4	2,248.10
4		4		4		4	3,570.14	4	3,401.45	4	3,231.81	4	3,062.18	4	2,862.95	4	2,552.98	4	2,241.61
1/4		1/4		1/4		1/4	3,566.65	1/4	3,397.91	1/4	3,228.28	1/4	3,058.65	1/4	2,856.73	1/4	2,546.51	1/4	2,235.13
1/2		1/2		1/2		1/2	3,563.15	1/2	3,394.38	1/2	3,224.75	1/2	3,055.12	1/2	2,850.51	1/2	2,540.04	1/2	2,228.64
3/4		3/4		3/4		3/4	3,559.65	3/4	3,390.84	3/4	3,221.21	3/4	3,051.58	3/4	2,844.04	3/4	2,533.56	3/4	2,222.15
5		5		5		5	3,556.15	5	3,387.31	5	3,217.68	5	3,048.05	5	2,837.57	5	2,527.07	5	2,215.66
1/4		1/4		1/4		1/4	3,552.66	1/4	3,383.77	1/4	3,214.14	1/4	3,044.51	1/4	2,831.11	1/4	2,520.59	1/4	2,209.18
1/2		1/2		1/2		1/2	3,549.16	1/2	3,380.24	1/2	3,210.61	1/2	3,040.98	1/2	2,824.64	1/2	2,514.11	1/2	2,202.69
3/4		3/4		3/4		3/4	3,686.79	3/4	3,545.66	3/4	3,376.71	3/4	3,207.08	3/4	3,037.44	3/4	2,818.17	3/4	2,196.20
6		6		6		6	3,685.94	6	3,542.16	6	3,373.17	6	3,203.54	6	3,033.91	6	2,811.70	6	2,189.71
1/4		1/4		1/4		1/4	3,685.10	1/4	3,538.66	1/4	3,369.64	1/4	3,200.01	1/4	3,030.37	1/4	2,805.23	1/4	2,183.23
1/2		1/2		1/2		1/2	3,684.25	1/2	3,535.16	1/2	3,366.11	1/2	3,196.48	1/2	3,026.84	1/2	2,798.76	1/2	2,176.74
3/4		3/4		3/4		3/4	3,682.81	3/4	3,531.66	3/4	3,362.57	3/4	3,192.94	3/4	3,023.31	3/4	2,792.29	3/4	2,170.25
7		7		7		7	3,681.37	7	3,528.16	7	3,359.04	7	3,189.41	7	3,019.77	7	2,785.82	7	2,163.76
1/4		1/4		1/4		1/4	3,679.94	1/4	3,524.67	1/4	3,355.50	1/4	3,185.87	1/4	3,016.24	1/4	2,779.36	1/4	2,157.27
1/2		1/2		1/2		1/2	3,678.50	1/2	3,521.17	1/2	3,351.97	1/2	3,182.34	1/2	3,012.71	1/2	2,772.89	1/2	2,150.78
3/4		3/4		3/4		3/4	3,676.47	3/4	3,517.67	3/4	3,348.44	3/4	3,178.80	3/4	3,009.17	3/4	2,766.42	3/4	2,144.29
8		8		8		8	3,674.44	8	3,514.17	8	3,344.90	8	3,175.27	8	3,005.64	8	2,759.95	8	2,137.80
1/4		1/4		1/4		1/4	3,672.42	1/4	3,510.68	1/4	3,341.37	1/4	3,171.73	1/4	3,002.10	1/4	2,753.49	1/4	2,131.32
1/2		1/2		1/2		1/2	3,670.39	1/2	3,507.18	1/2	3,337.84	1/2	3,168.20	1/2	2,998.57	1/2	2,747.02	1/2	2,124.83
3/4		3/4		3/4		3/4	3,667.77	3/4	3,503.68	3/4	3,334.30	3/4	3,164.67	3/4	2,995.04	3/4	2,740.55	3/4	2,118.34
9		9		9		9	3,665.15	9	3,500.18	9	3,330.77	9	3,161.13	9	2,991.50	9	2,734.08	9	2,111.85
1/4		1/4		1/4		1/4	3,662.54	1/4	3,496.69	1/4	3,327.23	1/4	3,157.60	1/4	2,987.97	1/4	2,727.62	1/4	2,105.37
1/2		1/2		1/2		1/2	3,659.92	1/2	3,493.19	1/2	3,323.70	1/2	3,154.07	1/2	2,984.44	1/2	2,721.15	1/2	2,098.88
3/4		3/4		3/4		3/4	3,656.71	3/4	3,489.69	3/4	3,320.16	3/4	3,150.53	3/4	2,980.90	3/4	2,714.68	3/4	2,092.39
10		10		10		10	3,653.51	10	3,486.19	10	3,316.63	10	3,147.00	10	2,977.37	10	2,708.21	10	2,085.90
1/4		1/4		1/4		1/4	3,650.30	1/4	3,482.70	1/4	3,313.09	1/4	3,143.46	1/4	2,973.83	1/4	2,701.75	1/4	2,079.42
1/2		1/2		1/2		1/2	3,647.10	1/2	3,479.20	1/2	3,309.56	1/2	3,139.93	1/2	2,970.30	1/2	2,695.28	1/2	2,072.93
3/4		3/4		3/4		3/4	3,643.60	3/4	3,475.66	3/4	3,306.03	3/4	3,136.40	3/4	2,966.54	3/4	2,688.81	3/4	2,066.44
11		11		11		11	3,640.10	11	3,472.13	11	3,302.49	11	3,132.86	11	2,962.78	11	2,682.34	11	2,059.95
1/4		1/4		1/4		1/4	3,636.61	1/4	3,468.59	1/4	3,298.96	1/4	3,129.33	1/4	2,959.02	1/4	2,675.87	1/4	2,053.47
1/2		1/2		1/2		1/2	3,633.11	1/2	3,465.06	1/2	3,295.43	1/2	3,125.80	1/2	2,955.26	1/2	2,669.40	1/2	2,046.98
3/4		3/4		3/4		3/4	3,629.61	3/4	3,461.52	3/4	3,291.89	3/4	3,122.26	3/4	2,951.01	3/4	2,662.93	3/4	2,040.49

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" DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 46'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "HTCO 3013"

## 3 STBD

### ULLAGE TABLE HERMETIC

GAUGE HEIGHT 16'-05 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	2,034.00	0	1,722.57	0	1,411.15	0	1,099.72	0	788.30	0	476.88	0	165.45	0		0		0	
1/4	2,027.51	1/4	1,716.09	1/4	1,404.67	1/4	1,093.24	1/4	781.82	1/4	470.39	1/4	158.97	1/4		1/4		1/4	
1/2	2,021.02	1/2	1,709.60	1/2	1,398.18	1/2	1,086.75	1/2	775.33	1/2	463.90	1/2	152.48	1/2		1/2		1/2	
3/4	2,014.53	3/4	1,703.11	3/4	1,391.69	3/4	1,080.26	3/4	768.84	3/4	457.41	3/4	145.99	3/4		3/4		3/4	
1	2,008.04	1	1,696.62	1	1,385.20	1	1,073.77	1	762.35	1	450.92	1	139.50	1		1		1	
1/4	2,001.56	1/4	1,690.14	1/4	1,378.71	1/4	1,067.29	1/4	755.87	1/4	444.44	1/4	133.02	1/4		1/4		1/4	
1/2	1,995.07	1/2	1,683.65	1/2	1,372.22	1/2	1,060.80	1/2	749.38	1/2	437.95	1/2	126.53	1/2		1/2		1/2	
3/4	1,988.58	3/4	1,677.16	3/4	1,365.73	3/4	1,054.31	3/4	742.89	3/4	431.46	3/4	120.04	3/4		3/4		3/4	
2	1,982.09	2	1,670.67	2	1,359.24	2	1,047.82	2	736.40	2	424.97	2	113.55	2		2		2	
1/4	1,975.61	1/4	1,664.19	1/4	1,352.76	1/4	1,041.34	1/4	729.91	1/4	418.49	1/4	107.07	1/4		1/4		1/4	
1/2	1,969.12	1/2	1,657.70	1/2	1,346.27	1/2	1,034.85	1/2	723.42	1/2	412.00	1/2	100.58	1/2		1/2		1/2	
3/4	1,962.63	3/4	1,651.21	3/4	1,339.78	3/4	1,028.36	3/4	716.93	3/4	405.51	3/4	94.09	3/4		3/4		3/4	
3	1,956.14	3	1,644.72	3	1,333.29	3	1,021.87	3	710.44	3	399.02	3	87.60	3		3		3	
1/4	1,949.66	1/4	1,638.23	1/4	1,326.81	1/4	1,015.39	1/4	703.96	1/4	392.54	1/4	81.11	1/4		1/4		1/4	
1/2	1,943.17	1/2	1,631.74	1/2	1,320.32	1/2	1,008.90	1/2	697.47	1/2	386.05	1/2	74.62	1/2		1/2		1/2	
3/4	1,936.68	3/4	1,625.25	3/4	1,313.83	3/4	1,002.41	3/4	690.98	3/4	379.56	3/4	68.13	3/4		3/4		3/4	
4	1,930.19	4	1,618.76	4	1,307.34	4	995.92	4	684.49	4	373.07	4	61.64	4		4		4	
1/4	1,923.71	1/4	1,612.28	1/4	1,300.86	1/4	989.43	1/4	678.01	1/4	366.59	1/4	55.16	1/4		1/4		1/4	
1/2	1,917.22	1/2	1,605.79	1/2	1,294.37	1/2	982.94	1/2	671.52	1/2	360.10	1/2	48.67	1/2		1/2		1/2	
3/4	1,910.73	3/4	1,599.30	3/4	1,287.88	3/4	976.45	3/4	665.03	3/4	353.61	3/4	42.99	3/4		3/4		3/4	
5	1,904.24	5	1,592.81	5	1,281.39	5	969.96	5	658.54	5	347.12	5	37.31	5		5		5	
1/4	1,897.75	1/4	1,586.33	1/4	1,274.91	1/4	963.48	1/4	652.06	1/4	340.63	1/4	31.64	1/4		1/4		1/4	
1/2	1,891.26	1/2	1,579.84	1/2	1,268.42	1/2	956.99	1/2	645.57	1/2	334.14	1/2	25.96	1/2		1/2		1/2	
3/4	1,884.77	3/4	1,573.35	3/4	1,261.93	3/4	950.50	3/4	639.08	3/4	327.65	3/4	21.97	3/4		3/4		3/4	
6	1,878.28	6	1,566.86	6	1,255.44	6	944.01	6	632.59	6	321.16	6		6		6		6	
1/4	1,871.80	1/4	1,560.38	1/4	1,248.95	1/4	937.53	1/4	626.11	1/4	314.68	1/4		1/4		1/4		1/4	
1/2	1,865.31	1/2	1,553.89	1/2	1,242.46	1/2	931.04	1/2	619.62	1/2	308.19	1/2		1/2		1/2		1/2	
3/4	1,858.82	3/4	1,547.40	3/4	1,235.97	3/4	924.55	3/4	613.13	3/4	301.70	3/4		3/4		3/4		3/4	
7	1,852.33	7	1,540.91	7	1,229.48	7	918.06	7	606.64	7	295.21	7		7		7		7	
1/4	1,845.85	1/4	1,534.43	1/4	1,223.00	1/4	911.58	1/4	600.15	1/4	288.73	1/4		1/4		1/4		1/4	
1/2	1,839.36	1/2	1,527.94	1/2	1,216.51	1/2	905.09	1/2	593.66	1/2	282.24	1/2		1/2		1/2		1/2	
3/4	1,832.87	3/4	1,521.45	3/4	1,210.02	3/4	898.60	3/4	587.17	3/4	275.75	3/4		3/4		3/4		3/4	
8	1,826.38	8	1,514.96	8	1,203.53	8	892.11	8	580.68	8	269.26	8		8		8		8	
1/4	1,819.90	1/4	1,508.47	1/4	1,197.05	1/4	885.63	1/4	574.20	1/4	262.78	1/4		1/4		1/4		1/4	
1/2	1,813.41	1/2	1,501.98	1/2	1,190.56	1/2	879.14	1/2	567.71	1/2	256.29	1/2		1/2		1/2		1/2	
3/4	1,806.92	3/4	1,495.49	3/4	1,184.07	3/4	872.65	3/4	561.22	3/4	249.80	3/4		3/4		3/4		3/4	
9	1,800.43	9	1,489.00	9	1,177.58	9	866.16	9	554.73	9	243.31	9		9		9		9	
1/4	1,793.95	1/4	1,482.52	1/4	1,171.10	1/4	859.67	1/4	548.25	1/4	236.83	1/4		1/4		1/4		1/4	
1/2	1,787.46	1/2	1,476.03	1/2	1,164.61	1/2	853.18	1/2	541.76	1/2	230.34	1/2		1/2		1/2		1/2	
3/4	1,780.97	3/4	1,469.54	3/4	1,158.12	3/4	846.69	3/4	535.27	3/4	223.85	3/4		3/4		3/4		3/4	
10	1,774.48	10	1,463.05	10	1,151.63	10	840.20	10	528.78	10	217.36	10		10		10		10	
1/4	1,767.99	1/4	1,456.57	1/4	1,145.15	1/4	833.72	1/4	522.30	1/4	210.87	1/4		1/4		1/4		1/4	
1/2	1,761.50	1/2	1,450.08	1/2	1,138.66	1/2	827.23	1/2	515.81	1/2	204.38	1/2		1/2		1/2		1/2	
3/4	1,755.01	3/4	1,443.59	3/4	1,132.17	3/4	820.74	3/4	509.32	3/4	197.89	3/4		3/4		3/4		3/4	
11	1,748.52	11	1,437.10	11	1,125.68	11	814.25	11	502.83	11	191.40	11		11		11		11	
1/4	1,742.04	1/4	1,430.62	1/4	1,119.19	1/4	807.77	1/4	496.35	1/4	184.92	1/4		1/4		1/4		1/4	
1/2	1,735.55	1/2	1,424.13	1/2	1,112.70	1/2	801.28	1/2	489.86	1/2	178.43	1/2		1/2		1/2		1/2	
3/4	1,729.06	3/4	1,417.64	3/4	1,106.21	3/4	794.79	3/4	483.37	3/4	171.94	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/03/1996 INS  
 RECALCULATED: 04/07/2020 PMA  
 REPRINTED: 04/08/2020 PMA

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 04/2020

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