



# BARGE "HTCO 3136"

## ULLAGE TRIM TABLE (HERMETIC)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/8	- 01-1/8
1 STBD	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/8	- 01-1/8
2 PORT	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-3/8	- 01-3/8	01-5/8	- 01-5/8
2 STBD	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-5/8	- 01-5/8
3 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
3 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8

(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 - 00-3/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 5/8"

LENGTH BETWEEN DRAFT MARKS: 283' 06'

February 5, 2020

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "HTCO 3136"

## 1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	5,324.83	0	4,926.04	0	4,526.00	0	4,125.89	0	3,725.77	0	3,325.66
1/4		1/4		1/4		1/4		1/4	5,316.55	1/4	4,917.72	1/4	4,517.66	1/4	4,117.55	1/4	3,717.44	1/4	3,317.32
1/2		1/2		1/2		1/2		1/2	5,308.28	1/2	4,909.40	1/2	4,509.33	1/2	4,109.21	1/2	3,709.10	1/2	3,308.98
3/4		3/4		3/4		3/4		3/4	5,300.01	3/4	4,901.08	3/4	4,500.99	3/4	4,100.88	3/4	3,700.76	3/4	3,300.64
1		1		1		1		1	5,669.95	1	5,291.73	1	4,892.76	1	4,492.66	1	3,692.43	1	3,292.30
1/4		1/4		1/4		1/4		1/4	5,665.24	1/4	5,283.46	1/4	4,884.43	1/4	4,484.32	1/4	3,684.21	1/4	3,283.96
1/2		1/2		1/2		1/2		1/2	5,659.35	1/2	5,275.16	1/2	4,876.10	1/2	4,475.98	1/2	3,675.76	1/2	3,275.62
3/4		3/4		3/4		3/4		3/4	5,653.45	3/4	5,266.87	3/4	4,867.76	3/4	4,467.65	3/4	3,667.42	3/4	3,267.28
2		2		2		2		2	5,647.55	2	5,258.57	2	4,859.43	2	4,459.31	2	3,659.09	2	3,258.94
1/4		1/4		1/4		1/4		1/4	5,641.66	1/4	5,250.28	1/4	4,851.09	1/4	4,450.98	1/4	3,650.86	1/4	3,250.60
1/2		1/2		1/2		1/2		1/2	5,634.57	1/2	5,241.97	1/2	4,842.76	1/2	4,442.64	1/2	3,642.41	1/2	3,242.26
3/4		3/4		3/4		3/4		3/4	5,627.48	3/4	5,233.65	3/4	4,834.42	3/4	4,434.31	3/4	3,634.08	3/4	3,233.92
3		3		3		3		3	5,620.40	3	5,225.34	3	4,826.08	3	4,425.97	3	3,625.74	3	3,225.58
1/4		1/4		1/4		1/4		1/4	5,613.31	1/4	5,217.02	1/4	4,817.75	1/4	4,417.63	1/4	3,617.52	1/4	3,217.24
1/2		1/2		1/2		1/2		1/2	5,605.33	1/2	5,208.71	1/2	4,809.41	1/2	4,409.30	1/2	3,609.07	1/2	3,208.90
3/4		3/4		3/4		3/4		3/4	5,597.35	3/4	5,200.40	3/4	4,801.08	3/4	4,400.96	3/4	3,600.74	3/4	3,200.57
4		4		4		4		4	5,589.37	4	5,192.08	4	4,792.74	4	4,392.63	4	3,992.51	4	3,192.23
1/4		1/4		1/4		1/4		1/4	5,581.38	1/4	5,183.77	1/4	4,784.41	1/4	4,384.29	1/4	3,984.18	1/4	3,183.89
1/2		1/2		1/2		1/2		1/2	5,573.11	1/2	5,175.45	1/2	4,776.07	1/2	4,375.96	1/2	3,975.84	1/2	3,175.55
3/4		3/4		3/4		3/4		3/4	5,564.83	3/4	5,167.14	3/4	4,767.73	3/4	4,367.62	3/4	3,967.51	3/4	3,167.21
5		5		5		5		5	5,556.55	5	5,158.83	5	4,759.40	5	4,359.28	5	3,959.17	5	3,158.87
1/4		1/4		1/4		1/4		1/4	5,548.27	1/4	5,150.51	1/4	4,751.06	1/4	4,350.95	1/4	3,950.84	1/4	3,150.53
1/2		1/2		1/2		1/2		1/2	5,539.99	1/2	5,142.20	1/2	4,742.73	1/2	4,342.61	1/2	3,942.50	1/2	3,142.19
3/4		3/4		3/4		3/4		3/4	5,531.71	3/4	5,133.89	3/4	4,734.39	3/4	4,334.28	3/4	3,934.16	3/4	3,133.85
6		6		6		6		6	5,523.44	6	5,125.57	6	4,726.06	6	4,325.94	6	3,925.83	6	3,125.51
1/4		1/4		1/4		1/4		1/4	5,515.16	1/4	5,117.26	1/4	4,717.72	1/4	4,317.61	1/4	3,917.49	1/4	3,117.17
1/2		1/2		1/2		1/2		1/2	5,506.88	1/2	5,108.94	1/2	4,709.38	1/2	4,309.27	1/2	3,909.16	1/2	3,108.83
3/4		3/4		3/4		3/4		3/4	5,498.60	3/4	5,100.63	3/4	4,701.05	3/4	4,300.94	3/4	3,900.82	3/4	3,100.49
7		7		7		7		7	5,490.32	7	5,092.32	7	4,692.71	7	4,292.60	7	3,892.49	7	3,092.15
1/4		1/4		1/4		1/4		1/4	5,482.05	1/4	5,084.00	1/4	4,684.38	1/4	4,284.26	1/4	3,884.15	1/4	3,083.81
1/2		1/2		1/2		1/2		1/2	5,473.77	1/2	5,075.69	1/2	4,676.04	1/2	4,275.93	1/2	3,875.81	1/2	3,075.47
3/4		3/4		3/4		3/4		3/4	5,465.49	3/4	5,067.37	3/4	4,667.71	3/4	4,267.59	3/4	3,867.48	3/4	3,067.13
8		8		8		8		8	5,457.22	8	5,059.06	8	4,659.37	8	4,259.26	8	3,859.14	8	3,058.79
1/4		1/4		1/4		1/4		1/4	5,448.94	1/4	5,050.75	1/4	4,651.03	1/4	4,250.92	1/4	3,850.81	1/4	3,050.45
1/2		1/2		1/2		1/2		1/2	5,440.67	1/2	5,042.43	1/2	4,642.70	1/2	4,242.59	1/2	3,842.47	1/2	3,042.11
3/4		3/4		3/4		3/4		3/4	5,432.39	3/4	5,034.12	3/4	4,634.36	3/4	4,234.25	3/4	3,834.14	3/4	3,033.77
9		9		9		9		9	5,424.12	9	5,025.80	9	4,626.03	9	4,225.91	9	3,825.80	9	3,025.43
1/4		1/4		1/4		1/4		1/4	5,415.84	1/4	5,017.49	1/4	4,617.69	1/4	4,217.58	1/4	3,817.46	1/4	3,017.09
1/2		1/2		1/2		1/2		1/2	5,407.57	1/2	5,009.18	1/2	4,609.36	1/2	4,209.24	1/2	3,809.13	1/2	3,008.75
3/4		3/4		3/4		3/4		3/4	5,399.30	3/4	5,000.86	3/4	4,601.02	3/4	4,200.91	3/4	3,800.79	3/4	3,000.41
10		10		10		10		10	5,391.02	10	4,992.55	10	4,592.68	10	4,192.57	10	3,792.46	10	2,992.07
1/4		1/4		1/4		1/4		1/4	5,382.75	1/4	4,984.24	1/4	4,584.35	1/4	4,184.24	1/4	3,784.12	1/4	2,983.73
1/2		1/2		1/2		1/2		1/2	5,374.47	1/2	4,975.92	1/2	4,576.01	1/2	4,175.90	1/2	3,775.79	1/2	2,975.39
3/4		3/4		3/4		3/4		3/4	5,366.20	3/4	4,967.61	3/4	4,567.68	3/4	4,167.56	3/4	3,767.45	3/4	2,967.05
11		11		11		11		11	5,357.93	11	4,959.29	11	4,559.34	11	4,159.23	11	3,759.11	11	2,958.71
1/4		1/4		1/4		1/4		1/4	5,349.65	1/4	4,950.98	1/4	4,551.01	1/4	4,150.89	1/4	3,750.78	1/4	2,950.37
1/2		1/2		1/2		1/2		1/2	5,341.38	1/2	4,942.67	1/2	4,542.67	1/2	4,142.56	1/2	3,742.44	1/2	2,942.03
3/4		3/4		3/4		3/4		3/4	5,333.10	3/4	4,934.35	3/4	4,534.33	3/4	4,134.22	3/4	3,734.11	3/4	2,933.69

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 WITH "HERMETIC" DEVICE  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 52'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
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# BARGE "HTCO 3136"

## 1 PORT ULLAGE TABLE HERMETIC

GAUGE HEIGHT 17'-03 1/2"

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	2,925.35	0	2,525.05	0	2,124.74	0	1,724.44	0	1,324.18	0	926.02	0	525.75	0	125.46	0			
1/4	2,917.02	1/4	2,516.71	1/4	2,116.40	1/4	1,716.10	1/4	1,315.85	1/4	917.70	1/4	517.41	1/4	117.12	1/4			
1/2	2,908.68	1/2	2,508.37	1/2	2,108.06	1/2	1,707.76	1/2	1,307.54	1/2	909.36	1/2	509.07	1/2	108.78	1/2			
3/4	2,900.34	3/4	2,500.03	3/4	2,099.72	3/4	1,699.42	3/4	1,299.23	3/4	901.02	3/4	500.73	3/4	100.44	3/4			
1	2,892.00	1	2,491.69	1	2,091.38	1	1,691.08	1	1,290.92	1	892.68	1	492.39	1	92.10	1			
1/4	2,883.66	1/4	2,483.35	1/4	2,083.05	1/4	1,682.74	1/4	1,282.61	1/4	884.34	1/4	484.05	1/4	83.76	1/4			
1/2	2,875.32	1/2	2,475.01	1/2	2,074.71	1/2	1,674.40	1/2	1,274.31	1/2	876.00	1/2	475.71	1/2	75.94	1/2			
3/4	2,866.98	3/4	2,466.67	3/4	2,066.37	3/4	1,666.06	3/4	1,266.01	3/4	867.66	3/4	467.37	3/4	68.12	3/4			
2	2,858.64	2	2,458.33	2	2,058.03	2	1,657.72	2	1,257.70	2	859.32	2	459.03	2	60.31	2			
1/4	2,850.30	1/4	2,449.99	1/4	2,049.69	1/4	1,649.38	1/4	1,249.40	1/4	850.98	1/4	450.69	1/4	52.49	1/4			
1/2	2,841.96	1/2	2,441.65	1/2	2,041.35	1/2	1,641.04	1/2	1,241.10	1/2	842.65	1/2	442.35	1/2	46.23	1/2			
3/4	2,833.62	3/4	2,433.31	3/4	2,033.01	3/4	1,632.70	3/4	1,232.81	3/4	834.31	3/4	434.01	3/4	39.98	3/4			
3	2,825.28	3	2,424.97	3	2,024.67	3	1,624.36	3	1,224.51	3	825.97	3	425.68	3	33.72	3			
1/4	2,816.94	1/4	2,416.63	1/4	2,016.33	1/4	1,616.02	1/4	1,216.22	1/4	817.63	1/4	417.34	1/4	27.47	1/4			
1/2	2,808.60	1/2	2,408.29	1/2	2,007.99	1/2	1,607.68	1/2	1,207.92	1/2	809.29	1/2	409.00	1/2	23.30	1/2			
3/4	2,800.26	3/4	2,399.95	3/4	1,999.65	3/4	1,599.34	3/4	1,199.63	3/4	800.95	3/4	400.66	3/4		3/4			
4	2,791.92	4	2,391.61	4	1,991.31	4	1,591.00	4	1,191.34	4	792.61	4	392.32	4		4			
1/4	2,783.58	1/4	2,383.27	1/4	1,982.97	1/4	1,582.66	1/4	1,183.04	1/4	784.27	1/4	383.98	1/4		1/4			
1/2	2,775.24	1/2	2,374.93	1/2	1,974.63	1/2	1,574.32	1/2	1,174.76	1/2	775.93	1/2	375.64	1/2		1/2			
3/4	2,766.90	3/4	2,366.60	3/4	1,966.29	3/4	1,565.98	3/4	1,166.47	3/4	767.59	3/4	367.30	3/4		3/4			
5	2,758.56	5	2,358.26	5	1,957.95	5	1,557.64	5	1,158.18	5	759.25	5	358.96	5		5			
1/4	2,750.22	1/4	2,349.92	1/4	1,949.61	1/4	1,549.30	1/4	1,149.89	1/4	750.91	1/4	350.62	1/4		1/4			
1/2	2,741.88	1/2	2,341.58	1/2	1,941.27	1/2	1,540.96	1/2	1,141.60	1/2	742.57	1/2	342.28	1/2		1/2			
3/4	2,733.54	3/4	2,333.24	3/4	1,932.93	3/4	1,532.63	3/4	1,133.31	3/4	734.23	3/4	333.94	3/4		3/4			
6	2,725.20	6	2,324.90	6	1,924.59	6	1,524.29	6	1,125.02	6	725.89	6	325.60	6		6			
1/4	2,716.86	1/4	2,316.56	1/4	1,916.25	1/4	1,515.95	1/4	1,116.74	1/4	717.55	1/4	317.26	1/4		1/4			
1/2	2,708.52	1/2	2,308.22	1/2	1,907.91	1/2	1,507.61	1/2	1,108.45	1/2	709.22	1/2	308.92	1/2		1/2			
3/4	2,700.18	3/4	2,299.88	3/4	1,899.57	3/4	1,499.27	3/4	1,100.16	3/4	700.88	3/4	300.58	3/4		3/4			
7	2,691.84	7	2,291.54	7	1,891.23	7	1,490.93	7	1,091.87	7	692.54	7	292.25	7		7			
1/4	2,683.50	1/4	2,283.20	1/4	1,882.89	1/4	1,482.59	1/4	1,083.58	1/4	684.20	1/4	283.91	1/4		1/4			
1/2	2,675.16	1/2	2,274.86	1/2	1,874.55	1/2	1,474.25	1/2	1,075.29	1/2	675.86	1/2	275.57	1/2		1/2			
3/4	2,666.82	3/4	2,266.52	3/4	1,866.21	3/4	1,465.91	3/4	1,067.00	3/4	667.52	3/4	267.23	3/4		3/4			
8	2,658.48	8	2,258.18	8	1,857.87	8	1,457.57	8	1,058.71	8	659.18	8	258.89	8		8			
1/4	2,650.14	1/4	2,249.84	1/4	1,849.53	1/4	1,449.23	1/4	1,050.43	1/4	650.84	1/4	250.55	1/4		1/4			
1/2	2,641.81	1/2	2,241.50	1/2	1,841.19	1/2	1,440.89	1/2	1,042.14	1/2	642.50	1/2	242.21	1/2		1/2			
3/4	2,633.47	3/4	2,233.16	3/4	1,832.85	3/4	1,432.55	3/4	1,033.85	3/4	634.16	3/4	233.87	3/4		3/4			
9	2,625.13	9	2,224.82	9	1,824.51	9	1,424.21	9	1,025.56	9	625.82	9	225.53	9		9			
1/4	2,616.79	1/4	2,216.48	1/4	1,816.17	1/4	1,415.87	1/4	1,017.27	1/4	617.48	1/4	217.19	1/4		1/4			
1/2	2,608.45	1/2	2,208.14	1/2	1,807.84	1/2	1,407.53	1/2	1,008.98	1/2	609.14	1/2	208.85	1/2		1/2			
3/4	2,600.11	3/4	2,199.80	3/4	1,799.50	3/4	1,399.19	3/4	1,000.69	3/4	600.80	3/4	200.51	3/4		3/4			
10	2,591.77	10	2,191.46	10	1,791.16	10	1,390.85	10	992.40	10	592.46	10	192.17	10		10			
1/4	2,583.43	1/4	2,183.12	1/4	1,782.82	1/4	1,382.51	1/4	984.12	1/4	584.12	1/4	183.83	1/4		1/4			
1/2	2,575.09	1/2	2,174.78	1/2	1,774.48	1/2	1,374.17	1/2	975.83	1/2	575.78	1/2	175.49	1/2		1/2			
3/4	2,566.75	3/4	2,166.44	3/4	1,766.14	3/4	1,365.83	3/4	967.54	3/4	567.45	3/4	167.15	3/4		3/4			
11	2,558.41	11	2,158.10	11	1,757.80	11	1,357.49	11	959.25	11	559.11	11	158.81	11		11			
1/4	2,550.07	1/4	2,149.76	1/4	1,749.46	1/4	1,349.15	1/4	950.96	1/4	550.77	1/4	150.48	1/4		1/4			
1/2	2,541.73	1/2	2,141.42	1/2	1,741.12	1/2	1,340.83	1/2	942.65	1/2	542.43	1/2	142.14	1/2		1/2			
3/4	2,533.39	3/4	2,133.08	3/4	1,732.78	3/4	1,332.50	3/4	934.33	3/4	534.09	3/4	133.80	3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/23/2014 CL  
RECALCULATED: 02/05/2020 CL  
REPRINTED: 02/05/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2020

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



# BARGE "HTCO 3136"

## 1 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	0	0	5,322.95	0	4,924.43	0	4,524.65	0	4,124.80	0	3,724.96	0	3,325.10
1/4		1/4		1/4		1/4		1/4	5,314.68	1/4	4,916.12	1/4	4,516.32	1/4	4,116.47	1/4	3,716.63	1/4	3,316.77
1/2		1/2		1/2		1/2		1/2	5,306.41	1/2	4,907.80	1/2	4,507.99	1/2	4,108.14	1/2	3,708.30	1/2	3,308.43
3/4		3/4		3/4		3/4		3/4	5,298.14	3/4	4,899.48	3/4	4,499.66	3/4	4,099.81	3/4	3,699.97	3/4	3,300.10
1	1	1	1	1	5,667.83	1	5,289.88	1	4,891.16	1	4,491.33	1	4,091.48	1	3,691.64	1	3,291.77	1	3,291.77
1/4		1/4		1/4		1/4		1/4	5,663.13	1/4	5,281.61	1/4	4,882.84	1/4	4,083.15	1/4	3,683.31	1/4	3,283.43
1/2		1/2		1/2		1/2		1/2	5,657.24	1/2	5,273.32	1/2	4,874.51	1/2	4,074.82	1/2	3,674.98	1/2	3,275.10
3/4		3/4		3/4		3/4		3/4	5,651.35	3/4	5,265.03	3/4	4,866.18	3/4	4,066.49	3/4	3,666.65	3/4	3,266.76
2	2	2	2	2	5,645.45	2	5,256.74	2	4,857.85	2	4,458.01	2	4,058.16	2	3,658.32	2	3,258.43	2	3,258.43
1/4		1/4		1/4		1/4		1/4	5,639.56	1/4	5,248.45	1/4	4,849.52	1/4	4,049.83	1/4	3,649.99	1/4	3,250.10
1/2		1/2		1/2		1/2		1/2	5,632.48	1/2	5,240.15	1/2	4,841.19	1/2	4,441.35	1/2	3,641.66	1/2	3,241.76
3/4		3/4		3/4		3/4		3/4	5,625.40	3/4	5,231.84	3/4	4,832.86	3/4	4,433.02	3/4	3,633.33	3/4	3,233.43
3	3	3	3	3	5,618.32	3	5,223.53	3	4,824.53	3	4,424.69	3	4,024.84	3	3,625.00	3	3,225.09	3	3,225.09
1/4		1/4		1/4		1/4		1/4	5,611.23	1/4	5,215.22	1/4	4,816.20	1/4	4,016.36	1/4	3,616.67	1/4	3,216.76
1/2		1/2		1/2		1/2		1/2	5,603.26	1/2	5,206.91	1/2	4,807.87	1/2	4,008.03	1/2	3,608.34	1/2	3,208.43
3/4		3/4		3/4		3/4		3/4	5,595.28	3/4	5,198.60	3/4	4,799.54	3/4	3,999.85	3/4	3,600.01	3/4	3,200.09
4	4	4	4	4	5,587.31	4	5,190.30	4	4,791.21	4	4,391.37	4	3,991.52	4	3,591.68	4	3,191.76	4	3,191.76
1/4		1/4		1/4		1/4		1/4	5,579.34	1/4	5,181.99	1/4	4,782.88	1/4	3,983.19	1/4	3,583.35	1/4	3,183.42
1/2		1/2		1/2		1/2		1/2	5,571.06	1/2	5,173.68	1/2	4,774.55	1/2	3,974.86	1/2	3,575.02	1/2	3,175.09
3/4		3/4		3/4		3/4		3/4	5,562.79	3/4	5,165.37	3/4	4,766.22	3/4	3,966.53	3/4	3,566.69	3/4	3,166.75
5	5	5	5	5	5,554.52	5	5,157.06	5	4,757.89	5	4,358.05	5	3,958.20	5	3,558.36	5	3,158.42	5	3,158.42
1/4		1/4		1/4		1/4		1/4	5,546.24	1/4	5,148.75	1/4	4,749.56	1/4	3,949.87	1/4	3,550.03	1/4	3,150.09
1/2		1/2		1/2		1/2		1/2	5,537.97	1/2	5,140.45	1/2	4,741.23	1/2	3,941.54	1/2	3,541.70	1/2	3,141.75
3/4		3/4		3/4		3/4		3/4	5,529.70	3/4	5,132.14	3/4	4,732.90	3/4	3,933.21	3/4	3,533.37	3/4	3,133.42
6	6	6	6	6	5,521.43	6	5,123.83	6	4,724.57	6	4,324.73	6	3,924.88	6	3,525.04	6	3,125.08	6	3,125.08
1/4		1/4		1/4		1/4		1/4	5,513.15	1/4	5,115.52	1/4	4,716.24	1/4	3,916.55	1/4	3,516.71	1/4	3,116.75
1/2		1/2		1/2		1/2		1/2	5,504.88	1/2	5,107.21	1/2	4,707.91	1/2	3,908.22	1/2	3,508.38	1/2	3,108.42
3/4		3/4		3/4		3/4		3/4	5,496.61	3/4	5,098.90	3/4	4,699.58	3/4	3,899.89	3/4	3,500.05	3/4	3,100.08
7	7	7	7	7	5,488.34	7	5,090.59	7	4,691.25	7	4,291.40	7	3,891.56	7	3,491.72	7	3,091.75	7	3,091.75
1/4		1/4		1/4		1/4		1/4	5,480.06	1/4	5,082.29	1/4	4,682.92	1/4	3,883.23	1/4	3,483.38	1/4	3,083.41
1/2		1/2		1/2		1/2		1/2	5,471.79	1/2	5,073.98	1/2	4,674.59	1/2	3,874.90	1/2	3,475.05	1/2	3,075.08
3/4		3/4		3/4		3/4		3/4	5,463.52	3/4	5,065.67	3/4	4,666.26	3/4	3,866.57	3/4	3,466.72	3/4	3,066.75
8	8	8	8	8	5,455.25	8	5,057.36	8	4,657.93	8	4,258.08	8	3,858.24	8	3,458.39	8	3,058.41	8	3,058.41
1/4		1/4		1/4		1/4		1/4	5,446.98	1/4	5,049.05	1/4	4,649.60	1/4	3,849.91	1/4	3,450.06	1/4	3,050.08
1/2		1/2		1/2		1/2		1/2	5,438.71	1/2	5,040.74	1/2	4,641.27	1/2	3,841.58	1/2	3,441.73	1/2	3,041.74
3/4		3/4		3/4		3/4		3/4	5,430.44	3/4	5,032.44	3/4	4,632.94	3/4	3,833.25	3/4	3,433.40	3/4	3,033.41
9	9	9	9	9	5,422.17	9	5,024.13	9	4,624.61	9	4,224.76	9	3,824.92	9	3,424.92	9	3,025.07	9	3,025.07
1/4		1/4		1/4		1/4		1/4	5,413.91	1/4	5,015.82	1/4	4,616.28	1/4	3,816.59	1/4	3,416.74	1/4	3,016.74
1/2		1/2		1/2		1/2		1/2	5,405.64	1/2	5,007.51	1/2	4,607.95	1/2	3,808.26	1/2	3,408.41	1/2	3,008.41
3/4		3/4		3/4		3/4		3/4	5,397.37	3/4	4,999.20	3/4	4,599.62	3/4	3,799.93	3/4	3,400.08	3/4	3,000.07
10	10	10	10	10	5,389.10	10	4,990.89	10	4,591.29	10	4,191.44	10	3,791.60	10	3,391.75	10	2,991.75	10	2,991.74
1/4		1/4		1/4		1/4		1/4	5,380.83	1/4	4,982.59	1/4	4,582.96	1/4	3,783.27	1/4	3,383.42	1/4	2,983.40
1/2		1/2		1/2		1/2		1/2	5,372.56	1/2	4,974.28	1/2	4,574.63	1/2	3,774.94	1/2	3,375.09	1/2	2,975.07
3/4		3/4		3/4		3/4		3/4	5,364.29	3/4	4,965.97	3/4	4,566.30	3/4	3,766.61	3/4	3,366.76	3/4	2,966.74
11	11	11	11	11	5,356.03	11	4,957.66	11	4,557.97	11	4,158.12	11	3,758.28	11	3,358.43	11	2,958.40	11	2,958.40
1/4		1/4		1/4		1/4		1/4	5,347.76	1/4	4,949.35	1/4	4,549.64	1/4	3,749.95	1/4	3,350.10	1/4	2,950.07
1/2		1/2		1/2		1/2		1/2	5,339.49	1/2	4,941.04	1/2	4,541.31	1/2	3,741.62	1/2	3,341.77	1/2	2,941.73
3/4		3/4		3/4		3/4		3/4	5,331.22	3/4	4,932.74	3/4	4,532.98	3/4	3,733.29	3/4	3,333.44	3/4	2,933.40

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 12'-09" OFF CENTERLINE AND 52'-06" FORWARD OF AFT BULKHEAD

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



# BARGE "HTCO 3136"

1 STBD

ULLAGE TABLE  
HERMETIC

GAUGE HEIGHT 17'-03 1/2"

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	2,925.07	0	2,525.03	0	2,124.99	0	1,724.96	0	1,324.92	0	925.37	0	525.41	0	125.38	0			
1/4	2,916.73	1/4	2,516.69	1/4	2,116.66	1/4	1,716.62	1/4	1,316.58	1/4	917.04	1/4	517.07	1/4	117.04	1/4			
1/2	2,908.40	1/2	2,508.36	1/2	2,108.32	1/2	1,708.29	1/2	1,308.25	1/2	908.71	1/2	508.74	1/2	108.71	1/2			
3/4	2,900.06	3/4	2,500.03	3/4	2,099.99	3/4	1,699.95	3/4	1,299.92	3/4	900.38	3/4	500.41	3/4	100.37	3/4			
1	2,891.73	1	2,491.69	1	2,091.66	1	1,691.62	1	1,291.58	1	892.04	1	492.07	1	92.04	1			
1/4	2,883.40	1/4	2,483.36	1/4	2,083.32	1/4	1,683.28	1/4	1,283.25	1/4	883.71	1/4	483.74	1/4	83.71	1/4			
1/2	2,875.06	1/2	2,475.02	1/2	2,074.99	1/2	1,674.95	1/2	1,274.92	1/2	875.37	1/2	475.40	1/2	75.89	1/2			
3/4	2,866.73	3/4	2,466.69	3/4	2,066.65	3/4	1,666.62	3/4	1,266.59	3/4	867.04	3/4	467.07	3/4	68.08	3/4			
2	2,858.39	2	2,458.36	2	2,058.32	2	1,658.28	2	1,258.26	2	858.71	2	458.74	2	60.27	2			
1/4	2,850.06	1/4	2,450.02	1/4	2,049.99	1/4	1,649.95	1/4	1,249.92	1/4	850.37	1/4	450.40	1/4	52.45	1/4			
1/2	2,841.72	1/2	2,441.69	1/2	2,041.65	1/2	1,641.61	1/2	1,241.60	1/2	842.04	1/2	442.07	1/2	46.20	1/2			
3/4	2,833.39	3/4	2,433.35	3/4	2,033.32	3/4	1,633.28	3/4	1,233.27	3/4	833.70	3/4	433.73	3/4	39.95	3/4			
3	2,825.06	3	2,425.02	3	2,024.98	3	1,624.95	3	1,224.94	3	825.37	3	425.40	3	33.70	3			
1/4	2,816.72	1/4	2,416.69	1/4	2,016.65	1/4	1,616.61	1/4	1,216.61	1/4	817.04	1/4	417.07	1/4	27.45	1/4			
1/2	2,808.39	1/2	2,408.35	1/2	2,008.31	1/2	1,608.28	1/2	1,208.29	1/2	808.70	1/2	408.73	1/2	23.28	1/2			
3/4	2,800.05	3/4	2,400.02	3/4	1,999.98	3/4	1,599.94	3/4	1,199.97	3/4	800.37	3/4	400.40	3/4		3/4			
4	2,791.72	4	2,391.68	4	1,991.65	4	1,591.61	4	1,191.64	4	792.04	4	392.06	4		4			
1/4	2,783.39	1/4	2,383.35	1/4	1,983.31	1/4	1,583.28	1/4	1,183.32	1/4	783.70	1/4	383.73	1/4		1/4			
1/2	2,775.05	1/2	2,375.02	1/2	1,974.98	1/2	1,574.94	1/2	1,175.00	1/2	775.37	1/2	375.40	1/2		1/2			
3/4	2,766.72	3/4	2,366.68	3/4	1,966.64	3/4	1,566.61	3/4	1,166.68	3/4	767.03	3/4	367.06	3/4		3/4			
5	2,758.38	5	2,358.35	5	1,958.31	5	1,558.27	5	1,158.36	5	758.70	5	358.73	5		5			
1/4	2,750.05	1/4	2,350.01	1/4	1,949.98	1/4	1,549.94	1/4	1,150.04	1/4	750.37	1/4	350.39	1/4		1/4			
1/2	2,741.72	1/2	2,341.68	1/2	1,941.64	1/2	1,541.61	1/2	1,141.72	1/2	742.03	1/2	342.03	1/2		1/2			
3/4	2,733.38	3/4	2,333.34	3/4	1,933.31	3/4	1,533.27	3/4	1,133.40	3/4	733.70	3/4	333.73	3/4		3/4			
6	2,725.05	6	2,325.01	6	1,924.97	6	1,524.94	6	1,125.08	6	725.36	6	325.39	6		6			
1/4	2,716.71	1/4	2,316.68	1/4	1,916.64	1/4	1,516.60	1/4	1,116.76	1/4	717.03	1/4	317.06	1/4		1/4			
1/2	2,708.38	1/2	2,308.34	1/2	1,908.31	1/2	1,508.27	1/2	1,108.44	1/2	708.70	1/2	308.72	1/2		1/2			
3/4	2,700.05	3/4	2,300.01	3/4	1,899.97	3/4	1,499.93	3/4	1,100.12	3/4	700.37	3/4	300.39	3/4		3/4			
7	2,691.71	7	2,291.67	7	1,891.64	7	1,491.60	7	1,091.80	7	692.04	7	292.06	7		7			
1/4	2,683.38	1/4	2,283.34	1/4	1,883.30	1/4	1,483.27	1/4	1,083.48	1/4	683.71	1/4	283.72	1/4		1/4			
1/2	2,675.04	1/2	2,275.01	1/2	1,874.97	1/2	1,474.93	1/2	1,075.16	1/2	675.38	1/2	275.39	1/2		1/2			
3/4	2,666.71	3/4	2,266.67	3/4	1,866.64	3/4	1,466.60	3/4	1,066.84	3/4	667.06	3/4	267.05	3/4		3/4			
8	2,658.37	8	2,258.34	8	1,858.30	8	1,458.26	8	1,058.52	8	658.73	8	258.72	8		8			
1/4	2,650.04	1/4	2,250.00	1/4	1,849.97	1/4	1,449.93	1/4	1,050.20	1/4	650.40	1/4	250.39	1/4		1/4			
1/2	2,641.71	1/2	2,241.67	1/2	1,841.63	1/2	1,441.60	1/2	1,041.88	1/2	642.07	1/2	242.05	1/2		1/2			
3/4	2,633.37	3/4	2,233.34	3/4	1,833.30	3/4	1,433.26	3/4	1,033.55	3/4	633.74	3/4	233.72	3/4		3/4			
9	2,625.04	9	2,225.00	9	1,824.96	9	1,424.93	9	1,025.23	9	625.41	9	225.38	9		9			
1/4	2,616.70	1/4	2,216.67	1/4	1,816.63	1/4	1,416.59	1/4	1,016.91	1/4	617.08	1/4	217.05	1/4		1/4			
1/2	2,608.37	1/2	2,208.33	1/2	1,808.30	1/2	1,408.26	1/2	1,008.59	1/2	608.75	1/2	208.72	1/2		1/2			
3/4	2,600.04	3/4	2,200.00	3/4	1,799.96	3/4	1,399.93	3/4	1,000.27	3/4	600.41	3/4	200.38	3/4		3/4			
10	2,591.70	10	2,191.67	10	1,791.63	10	1,391.59	10	991.95	10	592.08	10	192.05	10		10			
1/4	2,583.37	1/4	2,183.33	1/4	1,783.29	1/4	1,383.26	1/4	983.63	1/4	583.75	1/4	183.71	1/4		1/4			
1/2	2,575.03	1/2	2,175.00	1/2	1,774.96	1/2	1,374.92	1/2	975.31	1/2	575.41	1/2	175.38	1/2		1/2			
3/4	2,566.70	3/4	2,166.66	3/4	1,766.63	3/4	1,366.59	3/4	966.99	3/4	566.08	3/4	167.05	3/4		3/4			
11	2,558.37	11	2,158.33	11	1,758.29	11	1,358.26	11	958.67	11	558.74	11	158.71	11		11			
1/4	2,550.03	1/4	2,149.99	1/4	1,749.96	1/4	1,349.92	1/4	950.35	1/4	550.41	1/4	150.38	1/4		1/4			
1/2	2,541.70	1/2	2,141.66	1/2	1,741.62	1/2	1,341.59	1/2	942.02	1/2	542.08	1/2	142.04	1/2		1/2			
3/4	2,533.36	3/4	2,133.33	3/4	1,733.29	3/4	1,333.25	3/4	933.70	3/4	533.74	3/4	133.71	3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/23/2014 CL  
RECALCULATED: 02/05/2020 CL  
REPRINTED: 02/05/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2020

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



# BARGE "HTCO 3136"

## 2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-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		0		0	5,144.56	0	4,759.68	0	4,373.51	0	3,987.22	0	3,600.94	0	3,214.65
1/4		1/4		1/4		1/4		1/4	5,136.57	1/4	4,751.65	1/4	4,365.46	1/4	3,979.17	1/4	3,592.89	1/4	3,206.60
1/2		1/2		1/2		1/2		1/2	5,128.59	1/2	4,743.62	1/2	4,357.41	1/2	3,971.13	1/2	3,584.84	1/2	3,198.55
3/4		3/4		3/4		3/4		3/4	5,120.60	3/4	4,735.60	3/4	4,349.36	3/4	3,963.08	3/4	3,576.79	3/4	3,190.50
1		1		1		1		1	5,112.62	1	4,727.56	1	4,341.31	1	3,955.03	1	3,568.75	1	3,182.45
1/4		1/4		1/4		1/4		1/4	5,104.63	1/4	4,719.53	1/4	4,333.27	1/4	3,946.98	1/4	3,560.70	1/4	3,174.40
1/2		1/2		1/2		1/2		1/2	5,461.69	1/2	5,096.64	1/2	4,711.49	1/2	4,325.22	1/2	3,938.93	1/2	3,552.65
3/4		3/4		3/4		3/4		3/4	5,457.15	3/4	5,088.66	3/4	4,703.46	3/4	4,317.17	3/4	3,930.89	3/4	3,544.60
2		2		2		2		2	5,451.46	2	5,080.65	2	4,695.41	2	4,309.12	2	3,922.84	2	3,536.55
1/4		1/4		1/4		1/4		1/4	5,445.77	1/4	5,072.64	1/4	4,687.36	1/4	4,301.08	1/4	3,914.79	1/4	3,528.51
1/2		1/2		1/2		1/2		1/2	5,440.08	1/2	5,064.64	1/2	4,679.31	1/2	4,293.03	1/2	3,906.74	1/2	3,520.46
3/4		3/4		3/4		3/4		3/4	5,434.39	3/4	5,056.63	3/4	4,671.27	3/4	4,284.98	3/4	3,898.70	3/4	3,512.41
3		3		3		3		3	5,427.55	3	5,048.61	3	4,663.22	3	4,276.93	3	3,890.65	3	3,504.36
1/4		1/4		1/4		1/4		1/4	5,420.71	1/4	5,040.58	1/4	4,655.17	1/4	4,268.89	1/4	3,882.60	1/4	3,496.32
1/2		1/2		1/2		1/2		1/2	5,413.87	1/2	5,032.55	1/2	4,647.12	1/2	4,260.84	1/2	3,874.55	1/2	3,488.27
3/4		3/4		3/4		3/4		3/4	5,407.03	3/4	5,024.53	3/4	4,639.08	3/4	4,252.79	3/4	3,866.51	3/4	3,480.22
4		4		4		4		4	5,399.32	4	5,016.50	4	4,631.03	4	4,244.74	4	3,858.46	4	3,472.17
1/4		1/4		1/4		1/4		1/4	5,391.62	1/4	5,008.48	1/4	4,622.98	1/4	4,236.70	1/4	3,850.41	1/4	3,464.13
1/2		1/2		1/2		1/2		1/2	5,383.92	1/2	5,000.45	1/2	4,614.93	1/2	4,228.65	1/2	3,842.36	1/2	3,456.08
3/4		3/4		3/4		3/4		3/4	5,376.21	3/4	4,992.42	3/4	4,606.89	3/4	4,220.60	3/4	3,834.32	3/4	3,448.03
5		5		5		5		5	5,368.22	5	4,984.40	5	4,598.84	5	4,212.55	5	3,826.27	5	3,439.98
1/4		1/4		1/4		1/4		1/4	5,360.23	1/4	4,976.37	1/4	4,590.79	1/4	4,204.51	1/4	3,818.22	1/4	3,431.94
1/2		1/2		1/2		1/2		1/2	5,352.24	1/2	4,968.35	1/2	4,582.74	1/2	4,196.46	1/2	3,810.17	1/2	3,423.89
3/4		3/4		3/4		3/4		3/4	5,344.25	3/4	4,960.32	3/4	4,574.70	3/4	4,188.41	3/4	3,802.13	3/4	3,415.84
6		6		6		6		6	5,336.26	6	4,952.30	6	4,566.65	6	4,180.36	6	3,794.08	6	3,407.79
1/4		1/4		1/4		1/4		1/4	5,328.27	1/4	4,944.27	1/4	4,558.60	1/4	4,172.32	1/4	3,786.03	1/4	3,399.75
1/2		1/2		1/2		1/2		1/2	5,320.28	1/2	4,936.24	1/2	4,550.55	1/2	4,164.27	1/2	3,777.98	1/2	3,391.70
3/4		3/4		3/4		3/4		3/4	5,312.29	3/4	4,928.22	3/4	4,542.50	3/4	4,156.22	3/4	3,769.94	3/4	3,383.65
7		7		7		7		7	5,304.30	7	4,920.19	7	4,534.46	7	4,148.17	7	3,761.89	7	3,375.60
1/4		1/4		1/4		1/4		1/4	5,296.31	1/4	4,912.17	1/4	4,526.41	1/4	4,140.12	1/4	3,753.84	1/4	3,367.56
1/2		1/2		1/2		1/2		1/2	5,288.32	1/2	4,904.14	1/2	4,518.36	1/2	4,132.08	1/2	3,745.79	1/2	3,359.51
3/4		3/4		3/4		3/4		3/4	5,280.33	3/4	4,896.12	3/4	4,510.31	3/4	4,124.03	3/4	3,737.74	3/4	3,351.46
8		8		8		8		8	5,272.34	8	4,888.09	8	4,502.27	8	4,115.98	8	3,729.70	8	3,343.41
1/4		1/4		1/4		1/4		1/4	5,264.36	1/4	4,880.06	1/4	4,494.22	1/4	4,107.93	1/4	3,721.65	1/4	3,335.36
1/2		1/2		1/2		1/2		1/2	5,256.37	1/2	4,872.04	1/2	4,486.17	1/2	4,099.89	1/2	3,713.60	1/2	3,327.32
3/4		3/4		3/4		3/4		3/4	5,248.38	3/4	4,864.01	3/4	4,478.12	3/4	4,091.84	3/4	3,705.55	3/4	3,319.27
9		9		9		9		9	5,240.39	9	4,855.99	9	4,470.08	9	4,083.79	9	3,697.51	9	3,311.22
1/4		1/4		1/4		1/4		1/4	5,232.41	1/4	4,847.96	1/4	4,462.03	1/4	4,075.74	1/4	3,689.46	1/4	3,303.17
1/2		1/2		1/2		1/2		1/2	5,224.42	1/2	4,839.93	1/2	4,453.98	1/2	4,067.70	1/2	3,681.41	1/2	3,295.13
3/4		3/4		3/4		3/4		3/4	5,216.43	3/4	4,831.91	3/4	4,445.93	3/4	4,059.65	3/4	3,673.36	3/4	3,287.08
10		10		10		10		10	5,208.45	10	4,823.88	10	4,437.89	10	4,051.60	10	3,665.32	10	3,279.03
1/4		1/4		1/4		1/4		1/4	5,200.46	1/4	4,815.86	1/4	4,429.84	1/4	4,043.55	1/4	3,657.27	1/4	3,270.98
1/2		1/2		1/2		1/2		1/2	5,192.48	1/2	4,807.83	1/2	4,421.79	1/2	4,035.51	1/2	3,649.22	1/2	3,262.94
3/4		3/4		3/4		3/4		3/4	5,184.49	3/4	4,799.81	3/4	4,413.74	3/4	4,027.46	3/4	3,641.17	3/4	3,254.89
11		11		11		11		11	5,176.50	11	4,791.78	11	4,405.70	11	4,019.41	11	3,633.13	11	3,246.84
1/4		1/4		1/4		1/4		1/4	5,168.52	1/4	4,783.75	1/4	4,397.65	1/4	4,011.36	1/4	3,625.08	1/4	3,238.79
1/2		1/2		1/2		1/2		1/2	5,160.53	1/2	4,775.73	1/2	4,389.60	1/2	4,003.32	1/2	3,617.03	1/2	3,230.75
3/4		3/4		3/4		3/4		3/4	5,152.55	3/4	4,767.70	3/4	4,381.55	3/4	3,995.27	3/4	3,608.98	3/4	3,222.70

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 12'-09" OFF CENTERLINE AND 52'-06" FORWARD OF AFT BULKHEAD

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





# BARGE "HTCO 3136"

## 2 PORT ULLAGE TABLE HERMETIC GAUGE HEIGHT 17'-04"

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	2,828.18	0	2,441.70	0	2,055.22	0	1,668.75	0	1,282.41	0	909.72	0	523.71	0	137.24	0		0	
1/4	2,820.13	1/4	2,433.65	1/4	2,047.17	1/4	1,660.70	1/4	1,274.50	1/4	901.82	1/4	515.65	1/4	129.19	1/4		1/4	
1/2	2,812.07	1/2	2,425.60	1/2	2,039.12	1/2	1,652.64	1/2	1,266.59	1/2	893.92	1/2	507.60	1/2	121.14	1/2		1/2	
3/4	2,804.02	3/4	2,417.55	3/4	2,031.07	3/4	1,644.59	3/4	1,258.68	3/4	886.02	3/4	499.55	3/4	113.08	3/4		3/4	
1	2,795.97	1	2,409.49	1	2,023.02	1	1,636.54	1	1,250.91	1	877.97	1	491.50	1	105.03	1		1	
1/4	2,787.92	1/4	2,401.44	1/4	2,014.97	1/4	1,628.49	1/4	1,243.14	1/4	869.92	1/4	483.45	1/4	96.98	1/4		1/4	
1/2	2,779.87	1/2	2,393.39	1/2	2,006.91	1/2	1,620.44	1/2	1,235.38	1/2	861.86	1/2	475.40	1/2	88.93	1/2		1/2	
3/4	2,771.82	3/4	2,385.34	3/4	1,998.86	3/4	1,612.39	3/4	1,227.61	3/4	853.81	3/4	467.35	3/4	80.88	3/4		3/4	
2	2,763.77	2	2,377.29	2	1,990.81	2	1,604.33	2	1,219.85	2	845.76	2	459.29	2	73.33	2		2	
1/4	2,755.71	1/4	2,369.24	1/4	1,982.76	1/4	1,596.28	1/4	1,212.08	1/4	837.71	1/4	451.24	1/4	65.78	1/4		1/4	
1/2	2,747.66	1/2	2,361.19	1/2	1,974.71	1/2	1,588.23	1/2	1,204.32	1/2	829.66	1/2	443.19	1/2	58.23	1/2		1/2	
3/4	2,739.61	3/4	2,353.13	3/4	1,966.66	3/4	1,580.18	3/4	1,196.56	3/4	821.61	3/4	435.14	3/4	50.69	3/4		3/4	
3	2,731.56	3	2,345.08	3	1,958.61	3	1,572.13	3	1,188.81	3	813.56	3	427.09	3	44.65	3		3	
1/4	2,723.51	1/4	2,337.03	1/4	1,950.55	1/4	1,564.08	1/4	1,181.05	1/4	805.51	1/4	419.04	1/4	38.61	1/4		1/4	
1/2	2,715.46	1/2	2,328.98	1/2	1,942.50	1/2	1,556.03	1/2	1,173.30	1/2	797.45	1/2	410.99	1/2	32.57	1/2		1/2	
3/4	2,707.40	3/4	2,320.93	3/4	1,934.45	3/4	1,547.97	3/4	1,165.54	3/4	789.40	3/4	402.94	3/4	26.53	3/4		3/4	
4	2,699.35	4	2,312.88	4	1,926.40	4	1,539.92	4	1,157.79	4	781.35	4	394.88	4	22.51	4		4	
1/4	2,691.30	1/4	2,304.82	1/4	1,918.35	1/4	1,531.87	1/4	1,150.04	1/4	773.30	1/4	386.83	1/4		1/4		1/4	
1/2	2,683.25	1/2	2,296.77	1/2	1,910.30	1/2	1,523.82	1/2	1,142.29	1/2	765.25	1/2	378.78	1/2		1/2		1/2	
3/4	2,675.20	3/4	2,288.72	3/4	1,902.24	3/4	1,515.77	3/4	1,134.54	3/4	757.20	3/4	370.73	3/4		3/4		3/4	
5	2,667.15	5	2,280.67	5	1,894.19	5	1,507.72	5	1,126.79	5	749.15	5	362.68	5		5		5	
1/4	2,659.09	1/4	2,272.62	1/4	1,886.14	1/4	1,499.66	1/4	1,119.04	1/4	741.09	1/4	354.63	1/4		1/4		1/4	
1/2	2,651.04	1/2	2,264.57	1/2	1,878.09	1/2	1,491.61	1/2	1,111.30	1/2	733.04	1/2	346.58	1/2		1/2		1/2	
3/4	2,642.99	3/4	2,256.51	3/4	1,870.04	3/4	1,483.56	3/4	1,103.55	3/4	724.99	3/4	338.52	3/4		3/4		3/4	
6	2,634.94	6	2,248.46	6	1,861.99	6	1,475.51	6	1,095.80	6	716.94	6	330.47	6		6		6	
1/4	2,626.89	1/4	2,240.41	1/4	1,853.93	1/4	1,467.46	1/4	1,088.05	1/4	708.89	1/4	322.42	1/4		1/4		1/4	
1/2	2,618.84	1/2	2,232.36	1/2	1,845.88	1/2	1,459.41	1/2	1,080.31	1/2	700.84	1/2	314.37	1/2		1/2		1/2	
3/4	2,610.78	3/4	2,224.31	3/4	1,837.83	3/4	1,451.35	3/4	1,072.56	3/4	692.79	3/4	306.32	3/4		3/4		3/4	
7	2,602.73	7	2,216.26	7	1,829.78	7	1,443.30	7	1,064.81	7	684.73	7	298.27	7		7		7	
1/4	2,594.68	1/4	2,208.20	1/4	1,821.73	1/4	1,435.25	1/4	1,057.07	1/4	676.68	1/4	290.22	1/4		1/4		1/4	
1/2	2,586.63	1/2	2,200.15	1/2	1,813.68	1/2	1,427.20	1/2	1,049.32	1/2	668.63	1/2	282.16	1/2		1/2		1/2	
3/4	2,578.58	3/4	2,192.10	3/4	1,805.62	3/4	1,419.15	3/4	1,041.57	3/4	660.58	3/4	274.11	3/4		3/4		3/4	
8	2,570.53	8	2,184.05	8	1,797.57	8	1,411.10	8	1,033.82	8	652.53	8	266.06	8		8		8	
1/4	2,562.48	1/4	2,176.00	1/4	1,789.52	1/4	1,403.04	1/4	1,026.08	1/4	644.48	1/4	258.01	1/4		1/4		1/4	
1/2	2,554.42	1/2	2,167.95	1/2	1,781.47	1/2	1,394.99	1/2	1,018.33	1/2	636.43	1/2	249.96	1/2		1/2		1/2	
3/4	2,546.37	3/4	2,159.90	3/4	1,773.42	3/4	1,386.94	3/4	1,010.58	3/4	628.37	3/4	241.91	3/4		3/4		3/4	
9	2,538.32	9	2,151.84	9	1,765.37	9	1,378.89	9	1,002.83	9	620.32	9	233.86	9		9		9	
1/4	2,530.27	1/4	2,143.79	1/4	1,757.32	1/4	1,370.84	1/4	995.09	1/4	612.27	1/4	225.80	1/4		1/4		1/4	
1/2	2,522.22	1/2	2,135.74	1/2	1,749.26	1/2	1,362.79	1/2	987.34	1/2	604.22	1/2	217.75	1/2		1/2		1/2	
3/4	2,514.17	3/4	2,127.69	3/4	1,741.21	3/4	1,354.74	3/4	979.59	3/4	596.17	3/4	209.70	3/4		3/4		3/4	
10	2,506.11	10	2,119.64	10	1,733.16	10	1,346.68	10	971.85	10	588.12	10	201.65	10		10		10	
1/4	2,498.06	1/4	2,111.59	1/4	1,725.11	1/4	1,338.63	1/4	964.10	1/4	580.07	1/4	193.60	1/4		1/4		1/4	
1/2	2,490.01	1/2	2,103.53	1/2	1,717.06	1/2	1,330.58	1/2	956.35	1/2	572.01	1/2	185.55	1/2		1/2		1/2	
3/4	2,481.96	3/4	2,095.48	3/4	1,709.01	3/4	1,322.53	3/4	948.60	3/4	563.96	3/4	177.50	3/4		3/4		3/4	
11	2,473.91	11	2,087.43	11	1,700.95	11	1,314.48	11	940.86	11	555.91	11	169.44	11		11		11	
1/4	2,465.86	1/4	2,079.38	1/4	1,692.90	1/4	1,306.43	1/4	933.11	1/4	547.86	1/4	161.39	1/4		1/4		1/4	
1/2	2,457.80	1/2	2,071.33	1/2	1,684.85	1/2	1,298.37	1/2	925.36	1/2	539.81	1/2	153.34	1/2		1/2		1/2	
3/4	2,449.75	3/4	2,063.28	3/4	1,676.80	3/4	1,290.32	3/4	917.61	3/4	531.76	3/4	145.29	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/23/2014 CL  
RECALCULATED: 02/05/2020 CL  
REPRINTED: 02/05/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2020

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



# BARGE "HTCO 3136"

## 2 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	5,155.13	0	4,769.86	0	4,383.31	0	3,996.68	0	3,610.05	0	3,223.41
1/4		1/4		1/4		1/4		1/4	5,147.14	1/4	4,771.83	1/4	4,375.26	1/4	3,988.63	1/4	3,602.00	1/4	3,215.35
1/2		1/2		1/2		1/2		1/2	5,139.14	1/2	4,753.79	1/2	4,367.20	1/2	3,980.57	1/2	3,593.94	1/2	3,207.29
3/4		3/4		3/4		3/4		3/4	5,131.15	3/4	4,745.75	3/4	4,359.15	3/4	3,972.52	3/4	3,585.89	3/4	3,199.23
1		1		1		1		1	5,123.16	1	4,737.70	1	4,351.09	1	3,964.46	1	3,577.83	1	3,191.17
1/4		1/4		1/4		1/4		1/4	5,480.54	1/4	5,115.16	1/4	4,729.66	1/4	4,343.04	1/4	3,956.41	1/4	3,569.78
1/2		1/2		1/2		1/2		1/2	5,475.99	1/2	5,107.17	1/2	4,721.61	1/2	4,334.98	1/2	3,948.35	1/2	3,561.72
3/4		3/4		3/4		3/4		3/4	5,470.30	3/4	5,099.16	3/4	4,713.56	3/4	4,326.93	3/4	3,940.30	3/4	3,553.67
2		2		2		2		2	5,464.60	2	5,091.14	2	4,705.50	2	4,318.87	2	3,932.24	2	3,545.61
1/4		1/4		1/4		1/4		1/4	5,458.91	1/4	5,083.13	1/4	4,697.45	1/4	4,310.82	1/4	3,924.19	1/4	3,537.56
1/2		1/2		1/2		1/2		1/2	5,453.21	1/2	5,075.12	1/2	4,689.39	1/2	4,302.76	1/2	3,916.13	1/2	3,529.50
3/4		3/4		3/4		3/4		3/4	5,446.37	3/4	5,067.09	3/4	4,681.34	3/4	4,294.71	3/4	3,908.08	3/4	3,521.45
3		3		3		3		3	5,439.52	3	5,059.05	3	4,673.29	3	4,286.65	3	3,900.02	3	3,513.39
1/4		1/4		1/4		1/4		1/4	5,432.67	1/4	5,051.02	1/4	4,665.23	1/4	4,278.60	1/4	3,891.97	1/4	3,505.34
1/2		1/2		1/2		1/2		1/2	5,425.83	1/2	5,042.99	1/2	4,657.18	1/2	4,270.55	1/2	3,883.91	1/2	3,497.28
3/4		3/4		3/4		3/4		3/4	5,418.12	3/4	5,034.95	3/4	4,649.12	3/4	4,262.49	3/4	3,875.86	3/4	3,489.23
4		4		4		4		4	5,410.41	4	5,026.92	4	4,641.07	4	4,254.44	4	3,867.81	4	3,481.17
1/4		1/4		1/4		1/4		1/4	5,402.70	1/4	5,018.89	1/4	4,633.01	1/4	4,246.38	1/4	3,859.75	1/4	3,473.12
1/2		1/2		1/2		1/2		1/2	5,394.99	1/2	5,010.85	1/2	4,624.96	1/2	4,238.33	1/2	3,851.70	1/2	3,465.07
3/4		3/4		3/4		3/4		3/4	5,386.99	3/4	5,002.82	3/4	4,616.90	3/4	4,230.27	3/4	3,843.64	3/4	3,457.01
5		5		5		5		5	5,378.99	5	4,994.79	5	4,608.85	5	4,222.22	5	3,835.59	5	3,448.96
1/4		1/4		1/4		1/4		1/4	5,371.00	1/4	4,986.75	1/4	4,600.79	1/4	4,214.16	1/4	3,827.53	1/4	3,440.90
1/2		1/2		1/2		1/2		1/2	5,363.00	1/2	4,978.72	1/2	4,592.74	1/2	4,206.11	1/2	3,819.48	1/2	3,432.85
3/4		3/4		3/4		3/4		3/4	5,355.00	3/4	4,970.69	3/4	4,584.68	3/4	4,198.05	3/4	3,811.42	3/4	3,424.79
6		6		6		6		6	5,347.00	6	4,962.65	6	4,576.63	6	4,190.00	6	3,803.37	6	3,416.74
1/4		1/4		1/4		1/4		1/4	5,339.01	1/4	4,954.62	1/4	4,568.57	1/4	4,181.94	1/4	3,795.31	1/4	3,408.68
1/2		1/2		1/2		1/2		1/2	5,331.01	1/2	4,946.59	1/2	4,560.52	1/2	4,173.89	1/2	3,787.26	1/2	3,400.63
3/4		3/4		3/4		3/4		3/4	5,323.01	3/4	4,938.56	3/4	4,552.46	3/4	4,165.83	3/4	3,779.20	3/4	3,392.57
7		7		7		7		7	5,315.01	7	4,930.52	7	4,544.41	7	4,157.78	7	3,771.15	7	3,384.52
1/4		1/4		1/4		1/4		1/4	5,307.02	1/4	4,922.49	1/4	4,536.35	1/4	4,149.72	1/4	3,763.09	1/4	3,376.46
1/2		1/2		1/2		1/2		1/2	5,299.02	1/2	4,914.46	1/2	4,528.30	1/2	4,141.67	1/2	3,755.04	1/2	3,368.41
3/4		3/4		3/4		3/4		3/4	5,291.02	3/4	4,906.42	3/4	4,520.24	3/4	4,133.61	3/4	3,746.98	3/4	3,360.35
8		8		8		8		8	5,283.03	8	4,898.39	8	4,512.19	8	4,125.56	8	3,738.93	8	3,352.30
1/4		1/4		1/4		1/4		1/4	5,275.03	1/4	4,890.36	1/4	4,504.13	1/4	4,117.50	1/4	3,730.87	1/4	3,344.24
1/2		1/2		1/2		1/2		1/2	5,267.04	1/2	4,882.32	1/2	4,496.08	1/2	4,109.45	1/2	3,722.82	1/2	3,336.19
3/4		3/4		3/4		3/4		3/4	5,259.04	3/4	4,874.29	3/4	4,488.02	3/4	4,101.39	3/4	3,714.76	3/4	3,328.13
9		9		9		9		9	5,251.05	9	4,866.26	9	4,479.97	9	4,093.34	9	3,706.71	9	3,320.08
1/4		1/4		1/4		1/4		1/4	5,243.06	1/4	4,858.22	1/4	4,471.92	1/4	4,085.28	1/4	3,698.65	1/4	3,312.02
1/2		1/2		1/2		1/2		1/2	5,235.06	1/2	4,850.19	1/2	4,463.86	1/2	4,077.23	1/2	3,690.60	1/2	3,303.97
3/4		3/4		3/4		3/4		3/4	5,227.07	3/4	4,842.16	3/4	4,455.81	3/4	4,069.18	3/4	3,682.54	3/4	3,295.91
10		10		10		10		10	5,219.08	10	4,834.13	10	4,447.75	10	4,061.12	10	3,674.49	10	3,287.86
1/4		1/4		1/4		1/4		1/4	5,211.08	1/4	4,826.09	1/4	4,439.70	1/4	4,053.07	1/4	3,666.44	1/4	3,279.80
1/2		1/2		1/2		1/2		1/2	5,203.09	1/2	4,818.06	1/2	4,431.64	1/2	4,045.01	1/2	3,658.38	1/2	3,271.75
3/4		3/4		3/4		3/4		3/4	5,195.10	3/4	4,810.03	3/4	4,423.59	3/4	4,036.96	3/4	3,650.33	3/4	3,263.70
11		11		11		11		11	5,187.10	11	4,801.99	11	4,415.53	11	4,028.90	11	3,642.27	11	3,255.64
1/4		1/4		1/4		1/4		1/4	5,179.11	1/4	4,793.96	1/4	4,407.48	1/4	4,020.85	1/4	3,634.22	1/4	3,247.59
1/2		1/2		1/2		1/2		1/2	5,171.12	1/2	4,785.93	1/2	4,399.42	1/2	4,012.79	1/2	3,626.16	1/2	3,239.53
3/4		3/4		3/4		3/4		3/4	5,163.12	3/4	4,777.89	3/4	4,391.37	3/4	4,004.74	3/4	3,618.11	3/4	3,231.47

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 12'-09" OFF CENTERLINE AND 52'-06" FORWARD OF AFT BULKHEAD

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





# BARGE "HTCO 3136"

## 2 STBD

### ULLAGE TABLE HERMETIC

#### GAUGE HEIGHT 17'-03 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	2,836.59	0	2,449.76	0	2,062.94	0	1,676.12	0	1,289.30	0	902.92	0	516.12	0	129.30	0		0	
1/4	2,828.53	1/4	2,441.71	1/4	2,054.88	1/4	1,668.06	1/4	1,281.24	1/4	894.86	1/4	508.06	1/4	121.24	1/4		1/4	
1/2	2,820.47	1/2	2,433.65	1/2	2,046.82	1/2	1,660.00	1/2	1,273.18	1/2	886.81	1/2	500.00	1/2	113.19	1/2		1/2	
3/4	2,812.41	3/4	2,425.59	3/4	2,038.77	3/4	1,651.94	3/4	1,265.12	3/4	878.75	3/4	491.94	3/4	105.13	3/4		3/4	
1	2,804.35	1	2,417.53	1	2,030.71	1	1,643.88	1	1,257.06	1	870.69	1	483.88	1	97.07	1		1	
1/4	2,796.29	1/4	2,409.47	1/4	2,022.65	1/4	1,635.83	1/4	1,249.00	1/4	862.64	1/4	475.82	1/4	89.01	1/4		1/4	
1/2	2,788.23	1/2	2,401.41	1/2	2,014.59	1/2	1,627.77	1/2	1,240.94	1/2	854.58	1/2	467.76	1/2	80.95	1/2		1/2	
3/4	2,780.17	3/4	2,393.35	3/4	2,006.53	3/4	1,619.71	3/4	1,232.89	3/4	846.52	3/4	459.71	3/4	73.40	3/4		3/4	
2	2,772.12	2	2,385.29	2	1,998.47	2	1,611.65	2	1,224.83	2	838.46	2	451.65	2	65.84	2		2	
1/4	2,764.06	1/4	2,377.23	1/4	1,990.41	1/4	1,603.59	1/4	1,216.78	1/4	830.40	1/4	443.59	1/4	58.29	1/4		1/4	
1/2	2,756.00	1/2	2,369.18	1/2	1,982.35	1/2	1,595.53	1/2	1,208.72	1/2	822.34	1/2	435.53	1/2	50.73	1/2		1/2	
3/4	2,747.94	3/4	2,361.12	3/4	1,974.29	3/4	1,587.47	3/4	1,200.67	3/4	814.28	3/4	427.47	3/4	44.69	3/4		3/4	
3	2,739.88	3	2,353.06	3	1,966.24	3	1,579.41	3	1,192.61	3	806.23	3	419.41	3	38.64	3		3	
1/4	2,731.82	1/4	2,345.00	1/4	1,958.18	1/4	1,571.35	1/4	1,184.56	1/4	798.17	1/4	411.35	1/4	32.60	1/4		1/4	
1/2	2,723.76	1/2	2,336.94	1/2	1,950.12	1/2	1,563.30	1/2	1,176.51	1/2	790.11	1/2	403.30	1/2	26.56	1/2		1/2	
3/4	2,715.70	3/4	2,328.88	3/4	1,942.06	3/4	1,555.24	3/4	1,168.46	3/4	782.05	3/4	395.24	3/4	22.53	3/4		3/4	
4	2,707.65	4	2,320.82	4	1,934.00	4	1,547.18	4	1,160.41	4	773.99	4	387.18	4		4		4	
1/4	2,699.59	1/4	2,312.76	1/4	1,925.94	1/4	1,539.12	1/4	1,152.36	1/4	765.93	1/4	379.12	1/4		1/4		1/4	
1/2	2,691.53	1/2	2,304.71	1/2	1,917.88	1/2	1,531.06	1/2	1,144.31	1/2	757.87	1/2	371.06	1/2		1/2		1/2	
3/4	2,683.47	3/4	2,296.65	3/4	1,909.82	3/4	1,523.00	3/4	1,136.26	3/4	749.82	3/4	363.00	3/4		3/4		3/4	
5	2,675.41	5	2,288.59	5	1,901.77	5	1,514.94	5	1,128.22	5	741.76	5	354.94	5		5		5	
1/4	2,667.35	1/4	2,280.53	1/4	1,893.71	1/4	1,506.88	1/4	1,120.17	1/4	733.70	1/4	346.89	1/4		1/4		1/4	
1/2	2,659.29	1/2	2,272.47	1/2	1,885.65	1/2	1,498.83	1/2	1,112.12	1/2	725.64	1/2	338.83	1/2		1/2		1/2	
3/4	2,651.23	3/4	2,264.41	3/4	1,877.59	3/4	1,490.77	3/4	1,104.08	3/4	717.58	3/4	330.77	3/4		3/4		3/4	
6	2,643.18	6	2,256.35	6	1,869.53	6	1,482.71	6	1,096.03	6	709.52	6	322.71	6		6		6	
1/4	2,635.12	1/4	2,248.29	1/4	1,861.47	1/4	1,474.65	1/4	1,087.99	1/4	701.46	1/4	314.65	1/4		1/4		1/4	
1/2	2,627.06	1/2	2,240.24	1/2	1,853.41	1/2	1,466.59	1/2	1,079.94	1/2	693.41	1/2	306.59	1/2		1/2		1/2	
3/4	2,619.00	3/4	2,232.18	3/4	1,845.35	3/4	1,458.53	3/4	1,071.90	3/4	685.35	3/4	298.53	3/4		3/4		3/4	
7	2,610.94	7	2,224.12	7	1,837.30	7	1,450.47	7	1,063.85	7	677.29	7	290.48	7		7		7	
1/4	2,602.88	1/4	2,216.06	1/4	1,829.24	1/4	1,442.41	1/4	1,055.80	1/4	669.23	1/4	282.42	1/4		1/4		1/4	
1/2	2,594.82	1/2	2,208.00	1/2	1,821.18	1/2	1,434.36	1/2	1,047.76	1/2	661.17	1/2	274.36	1/2		1/2		1/2	
3/4	2,586.76	3/4	2,199.94	3/4	1,813.12	3/4	1,426.30	3/4	1,039.71	3/4	653.11	3/4	266.30	3/4		3/4		3/4	
8	2,578.70	8	2,191.88	8	1,805.06	8	1,418.24	8	1,031.67	8	645.05	8	258.24	8		8		8	
1/4	2,570.65	1/4	2,183.82	1/4	1,797.00	1/4	1,410.18	1/4	1,023.62	1/4	637.00	1/4	250.18	1/4		1/4		1/4	
1/2	2,562.59	1/2	2,175.76	1/2	1,788.94	1/2	1,402.12	1/2	1,015.57	1/2	628.94	1/2	242.12	1/2		1/2		1/2	
3/4	2,554.53	3/4	2,167.71	3/4	1,780.88	3/4	1,394.06	3/4	1,007.53	3/4	620.88	3/4	234.07	3/4		3/4		3/4	
9	2,546.47	9	2,159.65	9	1,772.82	9	1,386.00	9	999.48	9	612.82	9	226.01	9		9		9	
1/4	2,538.41	1/4	2,151.59	1/4	1,764.77	1/4	1,377.94	1/4	991.44	1/4	604.76	1/4	217.95	1/4		1/4		1/4	
1/2	2,530.35	1/2	2,143.53	1/2	1,756.71	1/2	1,369.88	1/2	983.39	1/2	596.70	1/2	209.89	1/2		1/2		1/2	
3/4	2,522.29	3/4	2,135.47	3/4	1,748.65	3/4	1,361.83	3/4	975.34	3/4	588.64	3/4	201.83	3/4		3/4		3/4	
10	2,514.23	10	2,127.41	10	1,740.59	10	1,353.77	10	967.30	10	580.59	10	193.77	10		10		10	
1/4	2,506.18	1/4	2,119.35	1/4	1,732.53	1/4	1,345.71	1/4	959.25	1/4	572.53	1/4	185.71	1/4		1/4		1/4	
1/2	2,498.12	1/2	2,111.29	1/2	1,724.47	1/2	1,337.65	1/2	951.21	1/2	564.47	1/2	177.66	1/2		1/2		1/2	
3/4	2,490.06	3/4	2,103.24	3/4	1,716.41	3/4	1,329.59	3/4	943.16	3/4	556.41	3/4	169.60	3/4		3/4		3/4	
11	2,482.00	11	2,095.18	11	1,708.35	11	1,321.53	11	935.11	11	548.35	11	161.54	11		11		11	
1/4	2,473.94	1/4	2,087.12	1/4	1,700.30	1/4	1,313.47	1/4	927.07	1/4	540.29	1/4	153.48	1/4		1/4		1/4	
1/2	2,465.88	1/2	2,079.06	1/2	1,692.24	1/2	1,305.41	1/2	919.02	1/2	532.23	1/2	145.42	1/2		1/2		1/2	
3/4	2,457.82	3/4	2,071.00	3/4	1,684.18	3/4	1,297.36	3/4	910.97	3/4	524.17	3/4	137.36	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/23/2014 CL  
RECALCULATED: 02/05/2020 CL  
REPRINTED: 02/05/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2020

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



# BARGE "HTCO 3136"

## 3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,730.00	0	4,456.19	0	4,181.58	0	3,906.94	0	3,548.67	0	3,164.85
1/4		1/4		1/4		1/4		1/4	4,724.32	1/4	4,450.48	1/4	4,175.86	1/4	3,901.22	1/4	3,540.69	1/4	3,156.85
1/2		1/2		1/2		1/2	4,973.00	1/2	4,718.64	1/2	4,444.76	1/2	4,170.13	1/2	3,895.50	1/2	3,532.71	1/2	3,148.84
3/4		3/4		3/4		3/4	4,970.76	3/4	4,712.96	3/4	4,439.04	3/4	4,164.41	3/4	3,889.78	3/4	3,524.73	3/4	3,140.84
1		1		1		1	4,967.37	1	4,707.27	1	4,433.32	1	4,158.69	1	3,884.06	1	3,516.75	1	3,132.84
1/4		1/4		1/4		1/4	4,963.98	1/4	4,701.58	1/4	4,427.60	1/4	4,152.97	1/4	3,878.34	1/4	3,508.76	1/4	3,124.84
1/2		1/2		1/2		1/2	4,960.59	1/2	4,695.88	1/2	4,421.88	1/2	4,147.25	1/2	3,872.62	1/2	3,500.77	1/2	3,116.84
3/4		3/4		3/4		3/4	4,957.20	3/4	4,690.19	3/4	4,416.16	3/4	4,141.53	3/4	3,866.89	3/4	3,492.78	3/4	3,108.84
2		2		2		2	4,952.66	2	4,684.48	2	4,410.44	2	4,135.80	2	3,860.60	2	3,484.78	2	3,100.84
1/4		1/4		1/4		1/4	4,948.13	1/4	4,678.78	1/4	4,404.72	1/4	4,130.08	1/4	3,854.30	1/4	3,476.78	1/4	3,092.84
1/2		1/2		1/2		1/2	4,943.59	1/2	4,673.07	1/2	4,398.99	1/2	4,124.36	1/2	3,848.01	1/2	3,468.79	1/2	3,084.84
3/4		3/4		3/4		3/4	4,939.06	3/4	4,667.36	3/4	4,393.27	3/4	4,118.64	3/4	3,841.71	3/4	3,460.79	3/4	3,076.84
3		3		3		3	4,933.66	3	4,661.66	3	4,387.55	3	4,112.92	3	3,834.28	3	3,452.79	3	3,068.84
1/4		1/4		1/4		1/4	4,928.26	1/4	4,655.95	1/4	4,381.83	1/4	4,107.20	1/4	3,826.85	1/4	3,444.79	1/4	3,060.83
1/2		1/2		1/2		1/2	4,922.87	1/2	4,650.24	1/2	4,376.11	1/2	4,101.48	1/2	3,819.42	1/2	3,436.79	1/2	3,052.83
3/4		3/4		3/4		3/4	4,917.47	3/4	4,644.53	3/4	4,370.39	3/4	4,095.75	3/4	3,811.99	3/4	3,428.80	3/4	3,044.83
4		4		4		4	4,911.79	4	4,638.83	4	4,364.66	4	4,090.03	4	3,804.00	4	3,420.80	4	3,036.83
1/4		1/4		1/4		1/4	4,906.11	1/4	4,633.12	1/4	4,358.94	1/4	4,084.31	1/4	3,796.01	1/4	3,412.80	1/4	3,028.83
1/2		1/2		1/2		1/2	4,900.42	1/2	4,627.41	1/2	4,353.22	1/2	4,078.59	1/2	3,788.02	1/2	3,404.80	1/2	3,020.83
3/4		3/4		3/4		3/4	4,894.74	3/4	4,621.71	3/4	4,347.50	3/4	4,072.87	3/4	3,780.04	3/4	3,396.80	3/4	3,012.83
5		5		5		5	4,889.06	5	4,616.00	5	4,341.78	5	4,067.15	5	3,772.05	5	3,388.80	5	3,004.83
1/4		1/4		1/4		1/4	4,883.38	1/4	4,610.29	1/4	4,336.06	1/4	4,061.43	1/4	3,764.07	1/4	3,380.81	1/4	2,996.83
1/2		1/2		1/2		1/2	4,877.69	1/2	4,604.58	1/2	4,330.34	1/2	4,055.70	1/2	3,756.09	1/2	3,372.81	1/2	2,988.83
3/4		3/4		3/4		3/4	4,872.01	3/4	4,598.88	3/4	4,324.61	3/4	4,049.98	3/4	3,748.10	3/4	3,364.81	3/4	2,980.83
6		6		6		6	4,866.33	6	4,593.17	6	4,318.89	6	4,044.26	6	3,740.13	6	3,356.81	6	2,972.82
1/4		1/4		1/4		1/4	4,860.65	1/4	4,587.46	1/4	4,313.17	1/4	4,038.54	1/4	3,732.15	1/4	3,348.81	1/4	2,964.82
1/2		1/2		1/2		1/2	4,854.96	1/2	4,581.76	1/2	4,307.45	1/2	4,032.82	1/2	3,724.17	1/2	3,340.81	1/2	2,956.82
3/4		3/4		3/4		3/4	4,849.28	3/4	4,576.05	3/4	4,301.73	3/4	4,027.10	3/4	3,716.19	3/4	3,332.82	3/4	2,948.82
7		7		7		7	4,843.60	7	4,570.34	7	4,296.01	7	4,021.37	7	3,708.22	7	3,324.82	7	2,940.82
1/4		1/4		1/4		1/4	4,837.92	1/4	4,564.63	1/4	4,290.29	1/4	4,015.65	1/4	3,700.24	1/4	3,316.82	1/4	2,932.82
1/2		1/2		1/2		1/2	4,832.24	1/2	4,558.93	1/2	4,284.56	1/2	4,009.93	1/2	3,692.26	1/2	3,308.82	1/2	2,924.82
3/4		3/4		3/4		3/4	4,826.56	3/4	4,553.22	3/4	4,278.84	3/4	4,004.21	3/4	3,684.28	3/4	3,300.82	3/4	2,916.82
8		8		8		8	4,820.88	8	4,547.51	8	4,273.12	8	3,998.49	8	3,676.31	8	3,292.83	8	2,908.82
1/4		1/4		1/4		1/4	4,815.20	1/4	4,541.81	1/4	4,267.40	1/4	3,992.77	1/4	3,668.33	1/4	3,284.83	1/4	2,900.82
1/2		1/2		1/2		1/2	4,809.52	1/2	4,536.10	1/2	4,261.68	1/2	3,987.05	1/2	3,660.35	1/2	3,276.83	1/2	2,892.82
3/4		3/4		3/4		3/4	4,803.84	3/4	4,530.39	3/4	4,255.96	3/4	3,981.32	3/4	3,652.37	3/4	3,268.83	3/4	2,884.81
9		9		9		9	4,798.16	9	4,524.68	9	4,250.23	9	3,975.60	9	3,644.40	9	3,260.83	9	2,876.81
1/4		1/4		1/4		1/4	4,792.48	1/4	4,518.98	1/4	4,244.51	1/4	3,969.88	1/4	3,636.42	1/4	3,252.83	1/4	2,868.81
1/2		1/2		1/2		1/2	4,786.80	1/2	4,513.27	1/2	4,238.79	1/2	3,964.16	1/2	3,628.44	1/2	3,244.84	1/2	2,860.81
3/4		3/4		3/4		3/4	4,781.12	3/4	4,507.56	3/4	4,233.07	3/4	3,958.44	3/4	3,620.46	3/4	3,236.84	3/4	2,852.81
10		10		10		10	4,775.44	10	4,501.86	10	4,227.35	10	3,952.72	10	3,612.49	10	3,228.84	10	2,844.81
1/4		1/4		1/4		1/4	4,769.76	1/4	4,496.15	1/4	4,221.63	1/4	3,947.00	1/4	3,604.51	1/4	3,220.84	1/4	2,836.81
1/2		1/2		1/2		1/2	4,764.08	1/2	4,490.44	1/2	4,215.91	1/2	3,941.27	1/2	3,596.53	1/2	3,212.84	1/2	2,828.81
3/4		3/4		3/4		3/4	4,758.40	3/4	4,484.74	3/4	4,210.18	3/4	3,935.55	3/4	3,588.55	3/4	3,204.85	3/4	2,820.81
11		11		11		11	4,752.72	11	4,479.03	11	4,204.46	11	3,929.83	11	3,580.58	11	3,196.85	11	2,812.80
1/4		1/4		1/4		1/4	4,747.04	1/4	4,473.32	1/4	4,198.74	1/4	3,924.11	1/4	3,572.60	1/4	3,188.85	1/4	2,804.80
1/2		1/2		1/2		1/2	4,741.36	1/2	4,467.61	1/2	4,193.02	1/2	3,918.39	1/2	3,564.62	1/2	3,180.85	1/2	2,796.79
3/4		3/4		3/4		3/4	4,735.68	3/4	4,461.91	3/4	4,187.30	3/4	3,912.67	3/4	3,556.64	3/4	3,172.85	3/4	2,788.79

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 12'-09" OFF CENTERLINE AND 45'-05" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "HTCO 3136"

## 3 PORT ULLAGE TABLE HERMETIC GAUGE HEIGHT 17'-03"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,780.78	0	2,397.81	0	2,016.25	0	1,631.85	0	1,248.08	0	873.86	0	489.26	0	104.67	0			
1/4	2,772.77	1/4	2,389.86	1/4	2,008.24	1/4	1,623.84	1/4	1,240.28	1/4	865.84	1/4	481.25	1/4	96.65	1/4			
1/2	2,764.76	1/2	2,381.91	1/2	2,000.23	1/2	1,615.83	1/2	1,232.48	1/2	857.83	1/2	473.24	1/2	88.63	1/2			
3/4	2,756.76	3/4	2,373.97	3/4	1,992.22	3/4	1,607.82	3/4	1,224.69	3/4	849.82	3/4	465.23	3/4	80.61	3/4			
1	2,748.75	1	2,366.02	1	1,984.21	1	1,599.81	1	1,216.89	1	841.81	1	457.22	1	73.08	1			
1/4	2,740.74	1/4	2,358.08	1/4	1,976.20	1/4	1,591.81	1/4	1,209.10	1/4	833.79	1/4	449.21	1/4	65.56	1/4			
1/2	2,732.73	1/2	2,350.13	1/2	1,968.20	1/2	1,583.80	1/2	1,201.31	1/2	825.78	1/2	441.20	1/2	58.04	1/2			
3/4	2,724.72	3/4	2,342.19	3/4	1,960.19	3/4	1,575.79	3/4	1,193.52	3/4	817.77	3/4	433.19	3/4	50.52	3/4			
2	2,716.72	2	2,334.24	2	1,952.18	2	1,567.78	2	1,185.73	2	809.76	2	425.17	2	44.50	2			
1/4	2,708.71	1/4	2,326.30	1/4	1,944.17	1/4	1,559.77	1/4	1,177.95	1/4	801.74	1/4	417.16	1/4	38.48	1/4			
1/2	2,700.70	1/2	2,318.35	1/2	1,936.16	1/2	1,551.77	1/2	1,170.16	1/2	793.73	1/2	409.15	1/2	32.46	1/2			
3/4	2,692.69	3/4	2,310.41	3/4	1,928.16	3/4	1,543.76	3/4	1,162.38	3/4	785.72	3/4	401.14	3/4	26.44	3/4			
3	2,684.70	3	2,302.46	3	1,920.15	3	1,535.75	3	1,154.59	3	777.71	3	393.13	3	22.43	3			
1/4	2,676.71	1/4	2,294.52	1/4	1,912.14	1/4	1,527.74	1/4	1,146.81	1/4	769.69	1/4	385.12	1/4		1/4			
1/2	2,668.72	1/2	2,286.57	1/2	1,904.13	1/2	1,519.73	1/2	1,139.03	1/2	761.68	1/2	377.11	1/2		1/2			
3/4	2,660.73	3/4	2,278.63	3/4	1,896.12	3/4	1,511.72	3/4	1,131.25	3/4	753.67	3/4	369.10	3/4		3/4			
4	2,652.77	4	2,270.68	4	1,888.11	4	1,503.72	4	1,123.47	4	745.66	4	361.09	4		4			
1/4	2,644.80	1/4	2,262.74	1/4	1,880.11	1/4	1,495.71	1/4	1,115.69	1/4	737.64	1/4	353.07	1/4		1/4			
1/2	2,636.83	1/2	2,254.79	1/2	1,872.10	1/2	1,487.70	1/2	1,107.91	1/2	729.63	1/2	345.06	1/2		1/2			
3/4	2,628.86	3/4	2,246.84	3/4	1,864.09	3/4	1,479.69	3/4	1,100.13	3/4	721.62	3/4	337.05	3/4		3/4			
5	2,620.89	5	2,238.90	5	1,856.08	5	1,471.68	5	1,092.36	5	713.61	5	329.04	5		5			
1/4	2,612.92	1/4	2,230.95	1/4	1,848.07	1/4	1,463.67	1/4	1,084.58	1/4	705.59	1/4	321.03	1/4		1/4			
1/2	2,604.95	1/2	2,223.01	1/2	1,840.06	1/2	1,455.67	1/2	1,076.80	1/2	697.58	1/2	313.02	1/2		1/2			
3/4	2,596.98	3/4	2,215.06	3/4	1,832.06	3/4	1,447.66	3/4	1,069.02	3/4	689.57	3/4	305.01	3/4		3/4			
6	2,589.01	6	2,207.12	6	1,824.05	6	1,439.65	6	1,061.24	6	681.56	6	297.00	6		6			
1/4	2,581.04	1/4	2,199.17	1/4	1,816.04	1/4	1,431.64	1/4	1,053.46	1/4	673.55	1/4	288.99	1/4		1/4			
1/2	2,573.07	1/2	2,191.23	1/2	1,808.03	1/2	1,423.63	1/2	1,045.68	1/2	665.53	1/2	280.98	1/2		1/2			
3/4	2,565.10	3/4	2,183.28	3/4	1,800.02	3/4	1,415.62	3/4	1,037.91	3/4	657.52	3/4	272.96	3/4		3/4			
7	2,557.13	7	2,175.34	7	1,792.01	7	1,407.62	7	1,030.13	7	649.51	7	264.95	7		7			
1/4	2,549.16	1/4	2,167.39	1/4	1,784.01	1/4	1,399.61	1/4	1,022.35	1/4	641.50	1/4	256.94	1/4		1/4			
1/2	2,541.19	1/2	2,159.45	1/2	1,776.00	1/2	1,391.60	1/2	1,014.57	1/2	633.48	1/2	248.93	1/2		1/2			
3/4	2,533.22	3/4	2,151.50	3/4	1,767.99	3/4	1,383.59	3/4	1,006.79	3/4	625.47	3/4	240.92	3/4		3/4			
8	2,525.25	8	2,143.56	8	1,759.98	8	1,375.58	8	999.01	8	617.46	8	232.90	8		8			
1/4	2,517.28	1/4	2,135.61	1/4	1,751.97	1/4	1,367.57	1/4	991.24	1/4	609.45	1/4	224.89	1/4		1/4			
1/2	2,509.31	1/2	2,127.67	1/2	1,743.96	1/2	1,359.57	1/2	983.46	1/2	601.43	1/2	216.88	1/2		1/2			
3/4	2,501.34	3/4	2,119.72	3/4	1,735.96	3/4	1,351.56	3/4	975.68	3/4	593.42	3/4	208.87	3/4		3/4			
9	2,493.37	9	2,111.77	9	1,727.95	9	1,343.55	9	967.90	9	585.41	9	200.85	9		9			
1/4	2,485.40	1/4	2,103.83	1/4	1,719.94	1/4	1,335.54	1/4	960.12	1/4	577.40	1/4	192.84	1/4		1/4			
1/2	2,477.43	1/2	2,095.88	1/2	1,711.93	1/2	1,327.53	1/2	952.34	1/2	569.38	1/2	184.83	1/2		1/2			
3/4	2,469.46	3/4	2,087.94	3/4	1,703.92	3/4	1,319.52	3/4	944.56	3/4	561.37	3/4	176.82	3/4		3/4			
10	2,461.49	10	2,079.99	10	1,695.91	10	1,311.52	10	936.79	10	553.36	10	168.80	10		10			
1/4	2,453.52	1/4	2,072.05	1/4	1,687.91	1/4	1,303.51	1/4	929.01	1/4	545.35	1/4	160.79	1/4		1/4			
1/2	2,445.55	1/2	2,064.10	1/2	1,679.90	1/2	1,295.50	1/2	921.23	1/2	537.33	1/2	152.77	1/2		1/2			
3/4	2,437.58	3/4	2,056.16	3/4	1,671.89	3/4	1,287.49	3/4	913.45	3/4	529.32	3/4	144.76	3/4		3/4			
11	2,429.63	11	2,048.18	11	1,663.88	11	1,279.59	11	905.55	11	521.31	11	136.74	11		11			
1/4	2,421.67	1/4	2,040.21	1/4	1,655.87	1/4	1,271.68	1/4	897.66	1/4	513.30	1/4	128.73	1/4		1/4			
1/2	2,413.71	1/2	2,032.23	1/2	1,647.86	1/2	1,263.78	1/2	889.76	1/2	505.29	1/2	120.71	1/2		1/2			
3/4	2,405.75	3/4	2,024.25	3/4	1,639.86	3/4	1,255.88	3/4	881.87	3/4	497.27	3/4	112.69	3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/23/2014 CL  
RECALCULATED: 02/05/2020 CL  
REPRINTED: 02/05/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2020

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



# BARGE "HTCO 3136"

3 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 17'-03 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,756.10	0	4,482.41	0	4,207.89	0	3,933.35	0	3,576.95	0	3,192.46		
1/4		1/4		1/4		1/4	4,750.43	1/4	4,476.70	1/4	4,202.17	1/4	3,927.63	1/4	3,568.96	1/4	3,184.44		
1/2		1/2		1/2		1/2	4,744.75	1/2	4,470.99	1/2	4,196.45	1/2	3,921.91	1/2	3,560.97	1/2	3,176.43		
3/4		3/4		3/4		3/4	4,993.34	3/4	4,739.07	3/4	4,465.27	3/4	4,190.73	3/4	3,916.19	3/4	3,552.97	3/4	3,168.41
1		1		1		1	4,991.10	1	4,733.39	1	4,459.56	1	4,185.01	1	3,910.47	1	3,544.98	1	3,160.40
1/4		1/4		1/4		1/4	4,987.71	1/4	4,727.70	1/4	4,453.84	1/4	4,179.29	1/4	3,904.75	1/4	3,536.98	1/4	3,152.38
1/2		1/2		1/2		1/2	4,984.32	1/2	4,722.01	1/2	4,448.12	1/2	4,173.57	1/2	3,899.03	1/2	3,528.98	1/2	3,144.37
3/4		3/4		3/4		3/4	4,980.93	3/4	4,716.32	3/4	4,442.40	3/4	4,167.85	3/4	3,893.31	3/4	3,520.97	3/4	3,136.35
2		2		2		2	4,977.54	2	4,710.63	2	4,436.68	2	4,162.13	2	3,887.59	2	3,512.97	2	3,128.34
1/4		1/4		1/4		1/4	4,973.01	1/4	4,704.92	1/4	4,430.96	1/4	4,156.42	1/4	3,881.30	1/4	3,504.96	1/4	3,120.32
1/2		1/2		1/2		1/2	4,968.48	1/2	4,699.22	1/2	4,425.24	1/2	4,150.70	1/2	3,875.00	1/2	3,496.95	1/2	3,112.31
3/4		3/4		3/4		3/4	4,963.94	3/4	4,693.51	3/4	4,419.52	3/4	4,144.98	3/4	3,868.71	3/4	3,488.93	3/4	3,104.29
3		3		3		3	4,959.41	3	4,687.81	3	4,413.80	3	4,139.26	3	3,862.41	3	3,480.92	3	3,096.28
1/4		1/4		1/4		1/4	4,954.01	1/4	4,682.10	1/4	4,408.08	1/4	4,133.54	1/4	3,854.98	1/4	3,472.91	1/4	3,088.26
1/2		1/2		1/2		1/2	4,948.62	1/2	4,676.39	1/2	4,402.36	1/2	4,127.82	1/2	3,847.55	1/2	3,464.90	1/2	3,080.24
3/4		3/4		3/4		3/4	4,943.23	3/4	4,670.69	3/4	4,396.64	3/4	4,122.10	3/4	3,840.12	3/4	3,456.88	3/4	3,072.23
4		4		4		4	4,937.83	4	4,664.98	4	4,390.92	4	4,116.38	4	3,832.69	4	3,448.87	4	3,064.21
1/4		1/4		1/4		1/4	4,932.15	1/4	4,659.28	1/4	4,385.20	1/4	4,110.66	1/4	3,824.70	1/4	3,440.86	1/4	3,056.20
1/2		1/2		1/2		1/2	4,926.47	1/2	4,653.57	1/2	4,379.48	1/2	4,104.94	1/2	3,816.71	1/2	3,432.85	1/2	3,048.18
3/4		3/4		3/4		3/4	4,920.79	3/4	4,647.87	3/4	4,373.76	3/4	4,099.22	3/4	3,808.72	3/4	3,424.83	3/4	3,040.17
5		5		5		5	4,915.11	5	4,642.16	5	4,368.04	5	4,093.50	5	3,800.73	5	3,416.82	5	3,032.15
1/4		1/4		1/4		1/4	4,909.43	1/4	4,636.46	1/4	4,362.32	1/4	4,087.78	1/4	3,792.73	1/4	3,408.81	1/4	3,024.14
1/2		1/2		1/2		1/2	4,903.75	1/2	4,630.75	1/2	4,356.60	1/2	4,082.06	1/2	3,784.74	1/2	3,400.79	1/2	3,016.12
3/4		3/4		3/4		3/4	4,898.07	3/4	4,625.05	3/4	4,350.88	3/4	4,076.34	3/4	3,776.75	3/4	3,392.78	3/4	3,008.11
6		6		6		6	4,892.39	6	4,619.34	6	4,345.17	6	4,070.62	6	3,768.76	6	3,384.77	6	3,000.09
1/4		1/4		1/4		1/4	4,886.71	1/4	4,613.64	1/4	4,339.45	1/4	4,064.90	1/4	3,760.77	1/4	3,376.76	1/4	2,992.08
1/2		1/2		1/2		1/2	4,881.03	1/2	4,607.93	1/2	4,333.73	1/2	4,059.18	1/2	3,752.77	1/2	3,368.74	1/2	2,984.06
3/4		3/4		3/4		3/4	4,875.35	3/4	4,602.23	3/4	4,328.01	3/4	4,053.46	3/4	3,744.78	3/4	3,360.73	3/4	2,976.04
7		7		7		7	4,869.67	7	4,596.52	7	4,322.29	7	4,047.74	7	3,736.79	7	3,352.72	7	2,968.03
1/4		1/4		1/4		1/4	4,863.99	1/4	4,590.82	1/4	4,316.57	1/4	4,042.02	1/4	3,728.80	1/4	3,344.71	1/4	2,960.01
1/2		1/2		1/2		1/2	4,858.31	1/2	4,585.11	1/2	4,310.85	1/2	4,036.30	1/2	3,720.81	1/2	3,336.69	1/2	2,952.00
3/4		3/4		3/4		3/4	4,852.63	3/4	4,579.40	3/4	4,305.13	3/4	4,030.58	3/4	3,712.81	3/4	3,328.68	3/4	2,943.98
8		8		8		8	4,846.95	8	4,573.70	8	4,299.41	8	4,024.86	8	3,704.82	8	3,320.67	8	2,935.97
1/4		1/4		1/4		1/4	4,841.27	1/4	4,567.99	1/4	4,293.69	1/4	4,019.14	1/4	3,696.83	1/4	3,312.65	1/4	2,927.95
1/2		1/2		1/2		1/2	4,835.59	1/2	4,562.29	1/2	4,287.97	1/2	4,013.42	1/2	3,688.84	1/2	3,304.64	1/2	2,919.94
3/4		3/4		3/4		3/4	4,829.92	3/4	4,556.58	3/4	4,282.25	3/4	4,007.70	3/4	3,680.85	3/4	3,296.63	3/4	2,911.92
9		9		9		9	4,824.24	9	4,550.88	9	4,276.53	9	4,001.98	9	3,672.85	9	3,288.62	9	2,903.91
1/4		1/4		1/4		1/4	4,818.56	1/4	4,545.17	1/4	4,270.81	1/4	3,996.26	1/4	3,664.86	1/4	3,280.60	1/4	2,895.89
1/2		1/2		1/2		1/2	4,812.88	1/2	4,539.47	1/2	4,265.09	1/2	3,990.54	1/2	3,656.87	1/2	3,272.59	1/2	2,887.88
3/4		3/4		3/4		3/4	4,807.20	3/4	4,533.76	3/4	4,259.37	3/4	3,984.82	3/4	3,648.88	3/4	3,264.58	3/4	2,879.86
10		10		10		10	4,801.53	10	4,528.06	10	4,253.65	10	3,979.10	10	3,640.89	10	3,256.57	10	2,871.84
1/4		1/4		1/4		1/4	4,795.85	1/4	4,522.35	1/4	4,247.93	1/4	3,973.38	1/4	3,632.89	1/4	3,248.55	1/4	2,863.83
1/2		1/2		1/2		1/2	4,790.17	1/2	4,516.65	1/2	4,242.21	1/2	3,967.66	1/2	3,624.90	1/2	3,240.54	1/2	2,855.81
3/4		3/4		3/4		3/4	4,784.49	3/4	4,510.94	3/4	4,236.49	3/4	3,961.95	3/4	3,616.91	3/4	3,232.53	3/4	2,847.80
11		11		11		11	4,778.81	11	4,505.24	11	4,230.77	11	3,956.23	11	3,608.92	11	3,224.52	11	2,839.78
1/4		1/4		1/4		1/4	4,773.14	1/4	4,499.53	1/4	4,225.05	1/4	3,950.51	1/4	3,600.93	1/4	3,216.50	1/4	2,831.76
1/2		1/2		1/2		1/2	4,767.46	1/2	4,493.82	1/2	4,219.33	1/2	3,944.79	1/2	3,592.93	1/2	3,208.49	1/2	2,823.74
3/4		3/4		3/4		3/4	4,761.78	3/4	4,488.12	3/4	4,213.61	3/4	3,939.07	3/4	3,584.94	3/4	3,200.47	3/4	2,815.72

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 12'-09" OFF CENTERLINE AND 45'-05" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "HTCO 3136"

## 3 STBD

### ULLAGE TABLE HERMETIC

#### GAUGE HEIGHT 17'-03 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	2,807.70	0	2,422.62	0	2,037.53	0	1,652.45	0	1,267.36	0	882.83	0	497.75	0	112.68	0		0	
1/4	2,799.68	1/4	2,414.59	1/4	2,029.51	1/4	1,644.42	1/4	1,259.34	1/4	874.81	1/4	489.73	1/4	104.66	1/4		1/4	
1/2	2,791.66	1/2	2,406.57	1/2	2,021.49	1/2	1,636.40	1/2	1,251.32	1/2	866.78	1/2	481.71	1/2	96.63	1/2		1/2	
3/4	2,783.63	3/4	2,398.55	3/4	2,013.46	3/4	1,628.38	3/4	1,243.29	3/4	858.76	3/4	473.69	3/4	88.61	3/4		3/4	
1	2,775.61	1	2,390.53	1	2,005.44	1	1,620.36	1	1,235.27	1	850.74	1	465.66	1	80.59	1		1	
1/4	2,767.59	1/4	2,382.50	1/4	1,997.42	1/4	1,612.33	1/4	1,227.25	1/4	842.72	1/4	457.64	1/4	73.07	1/4		1/4	
1/2	2,759.57	1/2	2,374.48	1/2	1,989.40	1/2	1,604.31	1/2	1,219.23	1/2	834.70	1/2	449.62	1/2	65.55	1/2		1/2	
3/4	2,751.54	3/4	2,366.46	3/4	1,981.37	3/4	1,596.29	3/4	1,211.22	3/4	826.67	3/4	441.60	3/4	58.03	3/4		3/4	
2	2,743.52	2	2,358.44	2	1,973.35	2	1,588.27	2	1,203.20	2	818.65	2	433.58	2	50.51	2		2	
1/4	2,735.50	1/4	2,350.41	1/4	1,965.33	1/4	1,580.24	1/4	1,195.18	1/4	810.63	1/4	425.55	1/4	44.49	1/4		1/4	
1/2	2,727.48	1/2	2,342.39	1/2	1,957.31	1/2	1,572.22	1/2	1,187.17	1/2	802.61	1/2	417.53	1/2	38.47	1/2		1/2	
3/4	2,719.45	3/4	2,334.37	3/4	1,949.28	3/4	1,564.20	3/4	1,179.15	3/4	794.58	3/4	409.51	3/4	32.46	3/4		3/4	
3	2,711.43	3	2,326.35	3	1,941.26	3	1,556.18	3	1,171.14	3	786.56	3	401.49	3	26.44	3		3	
1/4	2,703.41	1/4	2,318.32	1/4	1,933.24	1/4	1,548.15	1/4	1,163.13	1/4	778.54	1/4	393.46	1/4	22.43	1/4		1/4	
1/2	2,695.39	1/2	2,310.30	1/2	1,925.22	1/2	1,540.13	1/2	1,155.12	1/2	770.52	1/2	385.44	1/2		1/2		1/2	
3/4	2,687.36	3/4	2,302.28	3/4	1,917.19	3/4	1,532.11	3/4	1,147.11	3/4	762.49	3/4	377.42	3/4		3/4		3/4	
4	2,679.34	4	2,294.26	4	1,909.17	4	1,524.09	4	1,139.10	4	754.47	4	369.40	4		4		4	
1/4	2,671.32	1/4	2,286.23	1/4	1,901.15	1/4	1,516.06	1/4	1,131.09	1/4	746.45	1/4	361.37	1/4		1/4		1/4	
1/2	2,663.29	1/2	2,278.21	1/2	1,893.13	1/2	1,508.04	1/2	1,123.08	1/2	738.43	1/2	353.35	1/2		1/2		1/2	
3/4	2,655.27	3/4	2,270.19	3/4	1,885.10	3/4	1,500.02	3/4	1,115.07	3/4	730.40	3/4	345.33	3/4		3/4		3/4	
5	2,647.25	5	2,262.16	5	1,877.08	5	1,492.00	5	1,107.07	5	722.38	5	337.31	5		5		5	
1/4	2,639.23	1/4	2,254.14	1/4	1,869.06	1/4	1,483.97	1/4	1,099.06	1/4	714.36	1/4	329.28	1/4		1/4		1/4	
1/2	2,631.20	1/2	2,246.12	1/2	1,861.03	1/2	1,475.95	1/2	1,091.05	1/2	706.34	1/2	321.26	1/2		1/2		1/2	
3/4	2,623.18	3/4	2,238.10	3/4	1,853.01	3/4	1,467.93	3/4	1,083.04	3/4	698.31	3/4	313.24	3/4		3/4		3/4	
6	2,615.16	6	2,230.07	6	1,844.99	6	1,459.90	6	1,075.04	6	690.29	6	305.22	6		6		6	
1/4	2,607.14	1/4	2,222.05	1/4	1,836.97	1/4	1,451.88	1/4	1,067.03	1/4	682.27	1/4	297.19	1/4		1/4		1/4	
1/2	2,599.11	1/2	2,214.03	1/2	1,828.94	1/2	1,443.86	1/2	1,059.02	1/2	674.25	1/2	289.17	1/2		1/2		1/2	
3/4	2,591.09	3/4	2,206.01	3/4	1,820.92	3/4	1,435.84	3/4	1,051.01	3/4	666.22	3/4	281.15	3/4		3/4		3/4	
7	2,583.07	7	2,197.98	7	1,812.90	7	1,427.81	7	1,043.01	7	658.20	7	273.13	7		7		7	
1/4	2,575.05	1/4	2,189.96	1/4	1,804.88	1/4	1,419.79	1/4	1,035.00	1/4	650.18	1/4	265.10	1/4		1/4		1/4	
1/2	2,567.02	1/2	2,181.94	1/2	1,796.85	1/2	1,411.77	1/2	1,026.99	1/2	642.16	1/2	257.08	1/2		1/2		1/2	
3/4	2,559.00	3/4	2,173.92	3/4	1,788.83	3/4	1,403.75	3/4	1,018.98	3/4	634.14	3/4	249.06	3/4		3/4		3/4	
8	2,550.98	8	2,165.89	8	1,780.81	8	1,395.72	8	1,010.98	8	626.11	8	241.04	8		8		8	
1/4	2,542.96	1/4	2,157.87	1/4	1,772.79	1/4	1,387.70	1/4	1,002.97	1/4	618.09	1/4	233.02	1/4		1/4		1/4	
1/2	2,534.93	1/2	2,149.85	1/2	1,764.76	1/2	1,379.68	1/2	994.96	1/2	610.07	1/2	224.99	1/2		1/2		1/2	
3/4	2,526.91	3/4	2,141.83	3/4	1,756.74	3/4	1,371.66	3/4	986.96	3/4	602.05	3/4	216.97	3/4		3/4		3/4	
9	2,518.89	9	2,133.80	9	1,748.72	9	1,363.63	9	978.95	9	594.02	9	208.95	9		9		9	
1/4	2,510.87	1/4	2,125.78	1/4	1,740.70	1/4	1,355.61	1/4	970.94	1/4	586.00	1/4	200.93	1/4		1/4		1/4	
1/2	2,502.84	1/2	2,117.76	1/2	1,732.67	1/2	1,347.59	1/2	962.93	1/2	577.98	1/2	192.90	1/2		1/2		1/2	
3/4	2,494.82	3/4	2,109.74	3/4	1,724.65	3/4	1,339.57	3/4	954.93	3/4	569.96	3/4	184.88	3/4		3/4		3/4	
10	2,486.80	10	2,101.71	10	1,716.63	10	1,331.54	10	946.92	10	561.93	10	176.86	10		10		10	
1/4	2,478.77	1/4	2,093.69	1/4	1,708.61	1/4	1,323.52	1/4	938.91	1/4	553.91	1/4	168.84	1/4		1/4		1/4	
1/2	2,470.75	1/2	2,085.67	1/2	1,700.58	1/2	1,315.50	1/2	930.90	1/2	545.89	1/2	160.81	1/2		1/2		1/2	
3/4	2,462.73	3/4	2,077.64	3/4	1,692.56	3/4	1,307.48	3/4	922.90	3/4	537.87	3/4	152.79	3/4		3/4		3/4	
11	2,454.71	11	2,069.62	11	1,684.54	11	1,299.45	11	914.89	11	529.84	11	144.77	11		11		11	
1/4	2,446.68	1/4	2,061.60	1/4	1,676.51	1/4	1,291.43	1/4	906.87	1/4	521.82	1/4	136.75	1/4		1/4		1/4	
1/2	2,438.66	1/2	2,053.58	1/2	1,668.49	1/2	1,283.41	1/2	898.86	1/2	513.80	1/2	128.72	1/2		1/2		1/2	
3/4	2,430.64	3/4	2,045.55	3/4	1,660.47	3/4	1,275.38	3/4	890.84	3/4	505.78	3/4	120.70	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/23/2014 CL  
RECALCULATED: 02/05/2020 CL  
REPRINTED: 02/05/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2020

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