



# BARGE "HTCO 3140"

## ULLAGE TRIM TABLE (HERMETIC)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8
1 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8
2 PORT	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8
2 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8
3 PORT	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-3/4	- 00-3/4	00-7/8	- 00-7/8
3 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-3/4	- 00-3/4	00-7/8	- 00-7/8

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

LENGTH BETWEEN DRAFT MARKS: 237'-09"

June 16, 2020

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "HTCO 3140"

# 1 PORT 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	0	0	0	0	4,700.15	0	4,343.58	0	3,985.73	0	3,627.80	0	3,269.87	0	2,911.93
1/4		1/4		1/4		1/4		1/4	4,692.75	1/4	4,336.14	1/4	3,978.27	1/4	3,620.34	1/4	3,262.41	1/4	2,904.46
1/2		1/2		1/2		1/2		1/2	4,685.36	1/2	4,328.71	1/2	3,970.81	1/2	3,612.88	1/2	3,254.95	1/2	2,897.00
3/4		3/4		3/4		3/4		3/4	4,677.96	3/4	4,321.26	3/4	3,963.36	3/4	3,605.43	3/4	3,247.50	3/4	2,889.54
1	1	1	1	1	1	1	1	1	4,670.57	1	4,313.81	1	3,955.90	1	3,597.97	1	3,240.04	1	2,882.08
1/4		1/4		1/4		1/4		1/4	5,006.54	1/4	4,663.17	1/4	4,306.37	1/4	3,948.44	1/4	3,590.51	1/4	3,232.58
1/2		1/2		1/2		1/2		1/2	5,001.81	1/2	4,655.78	1/2	4,298.92	1/2	3,940.99	1/2	3,583.06	1/2	3,225.12
3/4		3/4		3/4		3/4		3/4	4,996.01	3/4	4,648.36	3/4	4,291.46	3/4	3,933.53	3/4	3,575.60	3/4	3,217.67
2	2	2	2	2	2	2	2	2	4,990.21	2	4,640.95	2	4,284.00	2	3,926.07	2	3,568.14	2	3,210.21
1/4		1/4		1/4		1/4		1/4	4,984.41	1/4	4,633.53	1/4	4,276.55	1/4	3,918.62	1/4	3,560.69	1/4	3,202.75
1/2		1/2		1/2		1/2		1/2	4,978.61	1/2	4,626.12	1/2	4,269.09	1/2	3,911.16	1/2	3,553.23	1/2	3,195.30
3/4		3/4		3/4		3/4		3/4	4,971.80	3/4	4,618.68	3/4	4,261.63	3/4	3,903.70	3/4	3,545.77	3/4	3,187.84
3	3	3	3	3	3	3	3	3	4,965.00	3	4,611.24	3	4,254.18	3	3,896.25	3	3,538.31	3	3,180.38
1/4		1/4		1/4		1/4		1/4	4,958.20	1/4	4,603.81	1/4	4,246.72	1/4	3,888.79	1/4	3,530.86	1/4	3,172.93
1/2		1/2		1/2		1/2		1/2	4,951.40	1/2	4,596.37	1/2	4,239.26	1/2	3,881.33	1/2	3,523.40	1/2	3,165.47
3/4		3/4		3/4		3/4		3/4	4,944.07	3/4	4,588.94	3/4	4,231.81	3/4	3,873.88	3/4	3,515.94	3/4	3,158.01
4	4	4	4	4	4	4	4	4	4,936.73	4	4,581.50	4	4,224.35	4	3,866.42	4	3,508.49	4	3,150.56
1/4		1/4		1/4		1/4		1/4	4,929.40	1/4	4,574.07	1/4	4,216.89	1/4	3,858.96	1/4	3,501.03	1/4	3,143.10
1/2		1/2		1/2		1/2		1/2	4,922.07	1/2	4,566.63	1/2	4,209.44	1/2	3,851.50	1/2	3,493.57	1/2	3,135.64
3/4		3/4		3/4		3/4		3/4	4,914.67	3/4	4,559.20	3/4	4,201.98	3/4	3,844.05	3/4	3,486.12	3/4	3,128.19
5	5	5	5	5	5	5	5	5	4,907.27	5	4,551.76	5	4,194.52	5	3,836.59	5	3,478.66	5	3,120.73
1/4		1/4		1/4		1/4		1/4	4,899.87	1/4	4,544.33	1/4	4,187.06	1/4	3,829.13	1/4	3,471.20	1/4	3,113.27
1/2		1/2		1/2		1/2		1/2	4,892.47	1/2	4,536.89	1/2	4,179.61	1/2	3,821.68	1/2	3,463.75	1/2	3,105.81
3/4		3/4		3/4		3/4		3/4	4,885.07	3/4	4,529.46	3/4	4,172.15	3/4	3,814.22	3/4	3,456.29	3/4	3,098.36
6	6	6	6	6	6	6	6	6	4,877.67	6	4,522.02	6	4,164.69	6	3,806.76	6	3,448.83	6	3,090.90
1/4		1/4		1/4		1/4		1/4	4,870.27	1/4	4,514.59	1/4	4,157.24	1/4	3,799.31	1/4	3,441.37	1/4	3,083.44
1/2		1/2		1/2		1/2		1/2	4,862.87	1/2	4,507.15	1/2	4,149.78	1/2	3,791.85	1/2	3,433.92	1/2	3,075.99
3/4		3/4		3/4		3/4		3/4	4,855.47	3/4	4,499.72	3/4	4,142.32	3/4	3,784.39	3/4	3,426.46	3/4	3,068.53
7	7	7	7	7	7	7	7	7	4,848.07	7	4,492.28	7	4,134.87	7	3,776.94	7	3,419.00	7	3,061.07
1/4		1/4		1/4		1/4		1/4	4,840.67	1/4	4,484.85	1/4	4,127.41	1/4	3,769.48	1/4	3,411.55	1/4	3,053.62
1/2		1/2		1/2		1/2		1/2	4,833.27	1/2	4,477.41	1/2	4,119.95	1/2	3,762.02	1/2	3,404.09	1/2	3,046.16
3/4		3/4		3/4		3/4		3/4	4,825.88	3/4	4,469.98	3/4	4,112.50	3/4	3,754.56	3/4	3,396.63	3/4	3,038.70
8	8	8	8	8	8	8	8	8	4,818.48	8	4,462.54	8	4,105.04	8	3,747.11	8	3,389.18	8	3,031.25
1/4		1/4		1/4		1/4		1/4	4,811.08	1/4	4,455.11	1/4	4,097.58	1/4	3,739.65	1/4	3,381.72	1/4	3,023.79
1/2		1/2		1/2		1/2		1/2	4,803.68	1/2	4,447.67	1/2	4,090.13	1/2	3,732.19	1/2	3,374.26	1/2	3,016.33
3/4		3/4		3/4		3/4		3/4	4,796.29	3/4	4,440.24	3/4	4,082.67	3/4	3,724.74	3/4	3,366.81	3/4	3,008.87
9	9	9	9	9	9	9	9	9	4,788.89	9	4,432.80	9	4,075.21	9	3,717.28	9	3,359.35	9	3,001.42
1/4		1/4		1/4		1/4		1/4	4,781.50	1/4	4,425.36	1/4	4,067.75	1/4	3,709.82	1/4	3,351.89	1/4	2,993.96
1/2		1/2		1/2		1/2		1/2	4,774.10	1/2	4,417.93	1/2	4,060.30	1/2	3,702.37	1/2	3,344.44	1/2	2,986.50
3/4		3/4		3/4		3/4		3/4	4,766.71	3/4	4,410.49	3/4	4,052.84	3/4	3,694.91	3/4	3,336.98	3/4	2,979.05
10	10	10	10	10	10	10	10	10	4,759.31	10	4,403.06	10	4,045.38	10	3,687.45	10	3,329.52	10	2,971.59
1/4		1/4		1/4		1/4		1/4	4,751.92	1/4	4,395.62	1/4	4,037.93	1/4	3,680.00	1/4	3,322.06	1/4	2,964.13
1/2		1/2		1/2		1/2		1/2	4,744.52	1/2	4,388.19	1/2	4,030.47	1/2	3,672.54	1/2	3,314.61	1/2	2,956.68
3/4		3/4		3/4		3/4		3/4	4,737.13	3/4	4,380.75	3/4	4,023.01	3/4	3,665.08	3/4	3,307.15	3/4	2,949.22
11	11	11	11	11	11	11	11	11	4,729.73	11	4,373.32	11	4,015.56	11	3,657.63	11	3,299.69	11	2,941.76
1/4		1/4		1/4		1/4		1/4	4,722.33	1/4	4,365.88	1/4	4,008.10	1/4	3,650.17	1/4	3,292.24	1/4	2,934.31
1/2		1/2		1/2		1/2		1/2	4,714.94	1/2	4,358.45	1/2	4,000.64	1/2	3,642.71	1/2	3,284.78	1/2	2,926.85
3/4		3/4		3/4		3/4		3/4	4,707.54	3/4	4,351.01	3/4	3,993.19	3/4	3,635.25	3/4	3,277.32	3/4	2,919.39

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 13'-00" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
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# BARGE "HTCO 3140"

## 1 PORT 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	2,553.80	0	2,195.68	0	1,837.55	0	1,479.43	0	1,121.34	0	765.35	0	411.47	0	95.58	0			
1/4	2,546.34	1/4	2,188.22	1/4	1,830.09	1/4	1,471.97	1/4	1,113.89	1/4	757.91	1/4	404.42	1/4	89.47	1/4			
1/2	2,538.88	1/2	2,180.76	1/2	1,822.63	1/2	1,464.51	1/2	1,106.44	1/2	750.48	1/2	397.37	1/2	83.36	1/2			
3/4	2,531.42	3/4	2,173.29	3/4	1,815.17	3/4	1,457.05	3/4	1,099.01	3/4	743.02	3/4	390.40	3/4	77.33	3/4			
1	2,523.96	1	2,165.83	1	1,807.71	1	1,449.59	1	1,091.58	1	735.56	1	383.43	1	71.30	1			
1/4	2,516.50	1/4	2,158.37	1/4	1,800.25	1/4	1,442.13	1/4	1,084.15	1/4	728.09	1/4	376.45	1/4	65.28	1/4			
1/2	2,509.03	1/2	2,150.91	1/2	1,792.79	1/2	1,434.67	1/2	1,076.72	1/2	720.63	1/2	369.48	1/2	59.25	1/2			
3/4	2,501.57	3/4	2,143.45	3/4	1,785.33	3/4	1,427.20	3/4	1,069.29	3/4	713.17	3/4	362.59	3/4	53.77	3/4			
2	2,494.11	2	2,135.99	2	1,777.87	2	1,419.74	2	1,061.87	2	705.71	2	355.69	2	48.29	2			
1/4	2,486.65	1/4	2,128.53	1/4	1,770.41	1/4	1,412.28	1/4	1,054.45	1/4	698.25	1/4	348.79	1/4	42.81	1/4			
1/2	2,479.19	1/2	2,121.07	1/2	1,762.94	1/2	1,404.82	1/2	1,047.02	1/2	690.79	1/2	341.90	1/2	37.33	1/2			
3/4	2,471.73	3/4	2,113.61	3/4	1,755.48	3/4	1,397.36	3/4	1,039.60	3/4	683.33	3/4	335.08	3/4	33.33	3/4			
3	2,464.27	3	2,106.15	3	1,748.02	3	1,389.90	3	1,032.19	3	675.87	3	328.25	3	29.34	3			
1/4	2,456.81	1/4	2,098.69	1/4	1,740.56	1/4	1,382.44	1/4	1,024.77	1/4	668.41	1/4	321.43	1/4	25.34	1/4			
1/2	2,449.35	1/2	2,091.22	1/2	1,733.10	1/2	1,374.98	1/2	1,017.35	1/2	660.95	1/2	314.61	1/2	21.34	1/2			
3/4	2,441.89	3/4	2,083.76	3/4	1,725.64	3/4	1,367.52	3/4	1,009.94	3/4	653.49	3/4	307.86	3/4	18.43	3/4			
4	2,434.43	4	2,076.30	4	1,718.18	4	1,360.06	4	1,002.53	4	646.03	4	301.12	4		4			
1/4	2,426.96	1/4	2,068.84	1/4	1,710.72	1/4	1,352.60	1/4	995.11	1/4	638.57	1/4	294.38	1/4		1/4			
1/2	2,419.50	1/2	2,061.38	1/2	1,703.26	1/2	1,345.13	1/2	987.70	1/2	631.11	1/2	287.64	1/2		1/2			
3/4	2,412.04	3/4	2,053.92	3/4	1,695.80	3/4	1,337.67	3/4	980.29	3/4	623.64	3/4	280.97	3/4		3/4			
5	2,404.58	5	2,046.46	5	1,688.34	5	1,330.21	5	972.88	5	616.18	5	274.31	5		5			
1/4	2,397.12	1/4	2,039.00	1/4	1,680.87	1/4	1,322.75	1/4	965.47	1/4	608.72	1/4	267.65	1/4		1/4			
1/2	2,389.66	1/2	2,031.54	1/2	1,673.41	1/2	1,315.29	1/2	958.06	1/2	601.26	1/2	260.99	1/2		1/2			
3/4	2,382.20	3/4	2,024.08	3/4	1,665.95	3/4	1,307.83	3/4	950.65	3/4	593.80	3/4	254.41	3/4		3/4			
6	2,374.74	6	2,016.62	6	1,658.49	6	1,300.37	6	943.24	6	586.34	6	247.83	6		6			
1/4	2,367.28	1/4	2,009.15	1/4	1,651.03	1/4	1,292.91	1/4	935.83	1/4	578.88	1/4	241.25	1/4		1/4			
1/2	2,359.82	1/2	2,001.69	1/2	1,643.57	1/2	1,285.45	1/2	928.42	1/2	571.42	1/2	234.67	1/2		1/2			
3/4	2,352.36	3/4	1,994.23	3/4	1,636.11	3/4	1,277.99	3/4	921.01	3/4	563.98	3/4	228.17	3/4		3/4			
7	2,344.90	7	1,986.77	7	1,628.65	7	1,270.53	7	913.60	7	556.54	7	221.67	7		7			
1/4	2,337.43	1/4	1,979.31	1/4	1,621.19	1/4	1,263.06	1/4	906.19	1/4	549.10	1/4	215.17	1/4		1/4			
1/2	2,329.97	1/2	1,971.85	1/2	1,613.73	1/2	1,255.60	1/2	898.78	1/2	541.67	1/2	208.67	1/2		1/2			
3/4	2,322.51	3/4	1,964.39	3/4	1,606.27	3/4	1,248.14	3/4	891.37	3/4	534.29	3/4	202.25	3/4		3/4			
8	2,315.05	8	1,956.93	8	1,598.81	8	1,240.68	8	883.96	8	526.91	8	195.83	8		8			
1/4	2,307.59	1/4	1,949.47	1/4	1,591.34	1/4	1,233.22	1/4	876.55	1/4	519.54	1/4	189.42	1/4		1/4			
1/2	2,300.13	1/2	1,942.01	1/2	1,583.88	1/2	1,225.76	1/2	869.14	1/2	512.16	1/2	183.00	1/2		1/2			
3/4	2,292.67	3/4	1,934.55	3/4	1,576.42	3/4	1,218.30	3/4	861.73	3/4	504.86	3/4	176.66	3/4		3/4			
9	2,285.21	9	1,927.08	9	1,568.96	9	1,210.84	9	854.32	9	497.57	9	170.31	9		9			
1/4	2,277.75	1/4	1,919.62	1/4	1,561.50	1/4	1,203.38	1/4	846.91	1/4	490.27	1/4	163.97	1/4		1/4			
1/2	2,270.29	1/2	1,912.16	1/2	1,554.04	1/2	1,195.92	1/2	839.50	1/2	482.98	1/2	157.63	1/2		1/2			
3/4	2,262.83	3/4	1,904.70	3/4	1,546.58	3/4	1,188.46	3/4	832.09	3/4	475.76	3/4	151.36	3/4		3/4			
10	2,255.36	10	1,897.24	10	1,539.12	10	1,180.99	10	824.68	10	468.55	10	145.09	10		10			
1/4	2,247.90	1/4	1,889.78	1/4	1,531.66	1/4	1,173.53	1/4	817.27	1/4	461.33	1/4	138.82	1/4		1/4			
1/2	2,240.44	1/2	1,882.32	1/2	1,524.20	1/2	1,166.07	1/2	809.86	1/2	454.11	1/2	132.55	1/2		1/2			
3/4	2,232.98	3/4	1,874.86	3/4	1,516.74	3/4	1,158.61	3/4	802.45	3/4	446.98	3/4	126.36	3/4		3/4			
11	2,225.52	11	1,867.40	11	1,509.27	11	1,151.15	11	795.04	11	439.85	11	120.17	11		11			
1/4	2,218.06	1/4	1,859.94	1/4	1,501.81	1/4	1,143.69	1/4	787.63	1/4	432.71	1/4	113.98	1/4		1/4			
1/2	2,210.60	1/2	1,852.48	1/2	1,494.35	1/2	1,136.23	1/2	780.22	1/2	425.58	1/2	107.79	1/2		1/2			
3/4	2,203.14	3/4	1,845.01	3/4	1,486.89	3/4	1,128.78	3/4	772.78	3/4	418.53	3/4	101.68	3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/12/2015 CL  
RECALCULATED: 06/16/2020 CL  
REPRINTED: 06/16/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2020

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



# BARGE "HTCO 3140"

## 1 STBD

### ULLAGE TABLE

### HERMETIC

### GAUGE HEIGHT 17'-03 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	0	0	4,702.40	0	4,345.79	0	3,987.90	0	3,629.93	0	3,271.96	0	2,914.00
1/4		1/4		1/4		1/4		1/4	4,695.01	1/4	4,338.35	1/4	3,980.45	1/4	3,622.48	1/4	3,264.51	1/4	2,906.54
1/2		1/2		1/2		1/2		1/2	4,687.61	1/2	4,330.92	1/2	3,972.99	1/2	3,615.02	1/2	3,257.05	1/2	2,899.08
3/4		3/4		3/4		3/4		3/4	4,680.21	3/4	4,323.47	3/4	3,965.53	3/4	3,607.56	3/4	3,249.59	3/4	2,891.62
1	1	1	1	1	1	1	1	1	4,672.82	1	4,316.02	1	3,958.07	1	3,600.10	1	3,242.13	1	2,884.16
1/4		1/4		1/4		1/4		1/4	5,008.82	1/4	4,665.42	1/4	4,308.57	1/4	3,950.61	1/4	3,592.64	1/4	3,234.68
1/2		1/2		1/2		1/2		1/2	5,004.08	1/2	4,658.02	1/2	4,301.13	1/2	3,943.16	1/2	3,585.19	1/2	3,227.22
3/4		3/4		3/4		3/4		3/4	4,998.28	3/4	4,650.61	3/4	4,293.67	3/4	3,935.70	3/4	3,577.73	3/4	3,219.76
2	2	2	2	2	2	2	2	2	4,992.48	2	4,643.19	2	4,286.21	2	3,928.24	2	3,570.27	2	2,854.31
1/4		1/4		1/4		1/4		1/4	4,986.68	1/4	4,635.77	1/4	4,278.75	1/4	3,920.78	1/4	3,562.81	1/4	3,204.84
1/2		1/2		1/2		1/2		1/2	4,980.88	1/2	4,628.36	1/2	4,271.30	1/2	3,913.33	1/2	3,555.36	1/2	3,197.39
3/4		3/4		3/4		3/4		3/4	4,974.08	3/4	4,620.92	3/4	4,263.84	3/4	3,905.87	3/4	3,547.90	3/4	3,189.93
3	3	3	3	3	3	3	3	3	4,967.28	3	4,613.49	3	4,256.38	3	3,898.41	3	3,540.44	3	3,182.47
1/4		1/4		1/4		1/4		1/4	4,960.48	1/4	4,606.05	1/4	4,248.92	1/4	3,890.95	1/4	3,532.98	1/4	3,175.01
1/2		1/2		1/2		1/2		1/2	4,953.68	1/2	4,598.61	1/2	4,241.46	1/2	3,883.50	1/2	3,525.53	1/2	3,167.56
3/4		3/4		3/4		3/4		3/4	4,946.34	3/4	4,591.18	3/4	4,234.01	3/4	3,876.04	3/4	3,518.07	3/4	3,160.10
4	4	4	4	4	4	4	4	4	4,939.01	4	4,583.74	4	4,226.55	4	3,868.58	4	3,510.61	4	2,794.62
1/4		1/4		1/4		1/4		1/4	4,931.68	1/4	4,576.31	1/4	4,219.09	1/4	3,861.12	1/4	3,503.15	1/4	3,145.18
1/2		1/2		1/2		1/2		1/2	4,924.35	1/2	4,568.87	1/2	4,211.63	1/2	3,853.66	1/2	3,495.69	1/2	3,137.73
3/4		3/4		3/4		3/4		3/4	4,916.95	3/4	4,561.43	3/4	4,204.18	3/4	3,846.21	3/4	3,488.24	3/4	3,130.27
5	5	5	5	5	5	5	5	5	4,909.55	5	4,554.00	5	4,196.72	5	3,838.75	5	3,480.78	5	3,122.81
1/4		1/4		1/4		1/4		1/4	4,902.15	1/4	4,546.56	1/4	4,189.26	1/4	3,831.29	1/4	3,473.32	1/4	3,115.35
1/2		1/2		1/2		1/2		1/2	4,894.74	1/2	4,539.13	1/2	4,181.80	1/2	3,823.83	1/2	3,465.86	1/2	3,107.89
3/4		3/4		3/4		3/4		3/4	4,887.34	3/4	4,531.69	3/4	4,174.35	3/4	3,816.38	3/4	3,458.41	3/4	3,100.44
6	6	6	6	6	6	6	6	6	4,879.94	6	4,524.25	6	4,166.89	6	3,808.92	6	3,450.95	6	3,092.98
1/4		1/4		1/4		1/4		1/4	4,872.54	1/4	4,516.82	1/4	4,159.43	1/4	3,801.46	1/4	3,443.49	1/4	3,085.52
1/2		1/2		1/2		1/2		1/2	4,865.14	1/2	4,509.38	1/2	4,151.97	1/2	3,794.00	1/2	3,436.03	1/2	3,078.06
3/4		3/4		3/4		3/4		3/4	4,857.74	3/4	4,501.95	3/4	4,144.51	3/4	3,786.55	3/4	3,428.58	3/4	3,070.61
7	7	7	7	7	7	7	7	7	4,850.34	7	4,494.51	7	4,137.06	7	3,779.09	7	3,421.12	7	3,063.15
1/4		1/4		1/4		1/4		1/4	4,842.94	1/4	4,487.07	1/4	4,129.60	1/4	3,771.63	1/4	3,413.66	1/4	3,055.69
1/2		1/2		1/2		1/2		1/2	4,835.54	1/2	4,479.64	1/2	4,122.14	1/2	3,764.17	1/2	3,406.20	1/2	3,048.23
3/4		3/4		3/4		3/4		3/4	4,828.14	3/4	4,472.20	3/4	4,114.68	3/4	3,756.71	3/4	3,398.74	3/4	3,040.78
8	8	8	8	8	8	8	8	8	4,820.75	8	4,464.77	8	4,107.23	8	3,749.26	8	3,391.29	8	3,033.32
1/4		1/4		1/4		1/4		1/4	4,813.35	1/4	4,457.33	1/4	4,099.77	1/4	3,741.80	1/4	3,383.83	1/4	3,025.86
1/2		1/2		1/2		1/2		1/2	4,805.95	1/2	4,449.89	1/2	4,092.31	1/2	3,734.34	1/2	3,376.37	1/2	3,018.40
3/4		3/4		3/4		3/4		3/4	4,798.55	3/4	4,442.46	3/4	4,084.85	3/4	3,726.88	3/4	3,368.91	3/4	3,010.94
9	9	9	9	9	9	9	9	9	4,791.16	9	4,435.02	9	4,077.40	9	3,719.43	9	3,361.46	9	3,003.49
1/4		1/4		1/4		1/4		1/4	4,783.76	1/4	4,427.59	1/4	4,069.94	1/4	3,711.97	1/4	3,354.00	1/4	2,996.03
1/2		1/2		1/2		1/2		1/2	4,776.36	1/2	4,420.15	1/2	4,062.48	1/2	3,704.51	1/2	3,346.54	1/2	2,988.57
3/4		3/4		3/4		3/4		3/4	4,768.97	3/4	4,412.71	3/4	4,055.02	3/4	3,697.05	3/4	3,339.08	3/4	2,981.11
10	10	10	10	10	10	10	10	10	4,761.57	10	4,405.28	10	4,047.56	10	3,689.59	10	3,331.63	10	2,973.66
1/4		1/4		1/4		1/4		1/4	4,754.18	1/4	4,397.84	1/4	4,040.11	1/4	3,682.14	1/4	3,324.17	1/4	2,966.20
1/2		1/2		1/2		1/2		1/2	4,746.78	1/2	4,390.41	1/2	4,032.65	1/2	3,674.68	1/2	3,316.71	1/2	2,958.74
3/4		3/4		3/4		3/4		3/4	4,739.38	3/4	4,382.97	3/4	4,025.19	3/4	3,667.22	3/4	3,309.25	3/4	2,951.28
11	11	11	11	11	11	11	11	11	4,731.99	11	4,375.53	11	4,017.73	11	3,659.76	11	3,301.79	11	2,943.82
1/4		1/4		1/4		1/4		1/4	4,724.59	1/4	4,368.10	1/4	4,010.28	1/4	3,652.31	1/4	3,294.34	1/4	2,936.37
1/2		1/2		1/2		1/2		1/2	4,717.19	1/2	4,360.66	1/2	4,002.82	1/2	3,644.85	1/2	3,286.88	1/2	2,928.91
3/4		3/4		3/4		3/4		3/4	4,709.80	3/4	4,353.23	3/4	3,995.36	3/4	3,637.39	3/4	3,279.42	3/4	2,921.45

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 13'-00" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD

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



# BARGE "HTCO 3140"

1 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	2,555.84	0	2,197.67	0	1,839.51	0	1,481.34	0	1,123.17	0	765.49	0	411.60	0	95.61	0			
1/4	2,548.38	1/4	2,190.21	1/4	1,832.05	1/4	1,473.88	1/4	1,115.71	1/4	758.04	1/4	404.54	1/4	89.50	1/4			
1/2	2,540.92	1/2	2,182.75	1/2	1,824.58	1/2	1,466.42	1/2	1,108.25	1/2	750.58	1/2	397.49	1/2	83.39	1/2			
3/4	2,533.45	3/4	2,175.29	3/4	1,817.12	3/4	1,458.96	3/4	1,100.79	3/4	743.12	3/4	390.52	3/4	77.36	3/4			
1	2,525.99	1	2,167.83	1	1,809.66	1	1,451.49	1	1,093.33	1	735.66	1	383.54	1	71.33	1			
1/4	2,518.53	1/4	2,160.36	1/4	1,802.20	1/4	1,444.03	1/4	1,085.87	1/4	728.20	1/4	376.57	1/4	65.30	1/4			
1/2	2,511.07	1/2	2,152.90	1/2	1,794.74	1/2	1,436.57	1/2	1,078.40	1/2	720.74	1/2	369.60	1/2	59.27	1/2			
3/4	2,503.61	3/4	2,145.44	3/4	1,787.27	3/4	1,429.11	3/4	1,070.95	3/4	713.28	3/4	362.70	3/4	53.79	3/4			
2	2,496.15	2	2,137.98	2	1,779.81	2	1,421.65	2	1,063.49	2	705.82	2	355.80	2	48.31	2			
1/4	2,488.68	1/4	2,130.52	1/4	1,772.35	1/4	1,414.18	1/4	1,056.03	1/4	698.35	1/4	348.90	1/4	42.83	1/4			
1/2	2,481.22	1/2	2,123.06	1/2	1,764.89	1/2	1,406.72	1/2	1,048.57	1/2	690.89	1/2	342.01	1/2	37.35	1/2			
3/4	2,473.76	3/4	2,115.59	3/4	1,757.43	3/4	1,399.26	3/4	1,041.11	3/4	683.43	3/4	335.18	3/4	33.35	3/4			
3	2,466.30	3	2,108.13	3	1,749.97	3	1,391.80	3	1,033.66	3	675.97	3	328.36	3	29.35	3			
1/4	2,458.84	1/4	2,100.67	1/4	1,742.50	1/4	1,384.34	1/4	1,026.20	1/4	668.51	1/4	321.53	1/4	25.34	1/4			
1/2	2,451.37	1/2	2,093.21	1/2	1,735.04	1/2	1,376.88	1/2	1,018.75	1/2	661.05	1/2	314.71	1/2	21.34	1/2			
3/4	2,443.91	3/4	2,085.75	3/4	1,727.58	3/4	1,369.41	3/4	1,011.30	3/4	653.58	3/4	307.97	3/4	18.43	3/4			
4	2,436.45	4	2,078.28	4	1,720.12	4	1,361.95	4	1,003.85	4	646.12	4	301.22	4		4			
1/4	2,428.99	1/4	2,070.82	1/4	1,712.66	1/4	1,354.49	1/4	996.39	1/4	638.66	1/4	294.48	1/4		1/4			
1/2	2,421.53	1/2	2,063.36	1/2	1,705.19	1/2	1,347.03	1/2	988.94	1/2	631.20	1/2	287.73	1/2		1/2			
3/4	2,414.07	3/4	2,055.90	3/4	1,697.73	3/4	1,339.57	3/4	981.50	3/4	623.74	3/4	281.07	3/4		3/4			
5	2,406.60	5	2,048.44	5	1,690.27	5	1,332.10	5	974.05	5	616.28	5	274.41	5		5			
1/4	2,399.14	1/4	2,040.98	1/4	1,682.81	1/4	1,324.64	1/4	966.60	1/4	608.81	1/4	267.74	1/4		1/4			
1/2	2,391.68	1/2	2,033.51	1/2	1,675.35	1/2	1,317.18	1/2	959.15	1/2	601.35	1/2	261.08	1/2		1/2			
3/4	2,384.22	3/4	2,026.05	3/4	1,667.89	3/4	1,309.72	3/4	951.70	3/4	593.89	3/4	254.50	3/4		3/4			
6	2,376.76	6	2,018.59	6	1,660.42	6	1,302.26	6	944.26	6	586.43	6	247.91	6		6			
1/4	2,369.29	1/4	2,011.13	1/4	1,652.96	1/4	1,294.80	1/4	936.81	1/4	578.97	1/4	241.33	1/4		1/4			
1/2	2,361.83	1/2	2,003.67	1/2	1,645.50	1/2	1,287.33	1/2	929.36	1/2	571.51	1/2	234.75	1/2		1/2			
3/4	2,354.37	3/4	1,996.20	3/4	1,638.04	3/4	1,279.87	3/4	921.91	3/4	564.07	3/4	228.25	3/4		3/4			
7	2,346.91	7	1,988.74	7	1,630.58	7	1,272.41	7	914.46	7	556.64	7	221.75	7		7			
1/4	2,339.45	1/4	1,981.28	1/4	1,623.11	1/4	1,264.95	1/4	907.02	1/4	549.20	1/4	215.24	1/4		1/4			
1/2	2,331.99	1/2	1,973.82	1/2	1,615.65	1/2	1,257.49	1/2	899.57	1/2	541.76	1/2	208.74	1/2		1/2			
3/4	2,324.52	3/4	1,966.36	3/4	1,608.19	3/4	1,250.02	3/4	892.12	3/4	534.39	3/4	202.32	3/4		3/4			
8	2,317.06	8	1,958.90	8	1,600.73	8	1,242.56	8	884.67	8	527.02	8	195.91	8		8			
1/4	2,309.60	1/4	1,951.43	1/4	1,593.27	1/4	1,235.10	1/4	877.22	1/4	519.65	1/4	189.49	1/4		1/4			
1/2	2,302.14	1/2	1,943.97	1/2	1,585.81	1/2	1,227.64	1/2	869.78	1/2	512.29	1/2	183.07	1/2		1/2			
3/4	2,294.68	3/4	1,936.51	3/4	1,578.34	3/4	1,220.18	3/4	862.33	3/4	504.99	3/4	176.72	3/4		3/4			
9	2,287.22	9	1,929.05	9	1,570.88	9	1,212.72	9	854.88	9	497.70	9	170.38	9		9			
1/4	2,279.75	1/4	1,921.59	1/4	1,563.42	1/4	1,205.25	1/4	847.43	1/4	490.40	1/4	164.03	1/4		1/4			
1/2	2,272.29	1/2	1,914.13	1/2	1,555.96	1/2	1,197.79	1/2	839.99	1/2	483.11	1/2	157.69	1/2		1/2			
3/4	2,264.83	3/4	1,906.66	3/4	1,548.50	3/4	1,190.33	3/4	832.54	3/4	475.89	3/4	151.41	3/4		3/4			
10	2,257.37	10	1,899.20	10	1,541.04	10	1,182.87	10	825.09	10	468.68	10	145.14	10		10			
1/4	2,249.91	1/4	1,891.74	1/4	1,533.57	1/4	1,175.41	1/4	817.64	1/4	461.46	1/4	138.87	1/4		1/4			
1/2	2,242.44	1/2	1,884.28	1/2	1,526.11	1/2	1,167.95	1/2	810.19	1/2	454.25	1/2	132.60	1/2		1/2			
3/4	2,234.98	3/4	1,876.82	3/4	1,518.65	3/4	1,160.48	3/4	802.75	3/4	447.11	3/4	126.41	3/4		3/4			
11	2,227.52	11	1,869.35	11	1,511.19	11	1,153.02	11	795.30	11	439.97	11	120.22	11		11			
1/4	2,220.06	1/4	1,861.89	1/4	1,503.73	1/4	1,145.56	1/4	787.85	1/4	432.84	1/4	114.03	1/4		1/4			
1/2	2,212.60	1/2	1,854.43	1/2	1,496.26	1/2	1,138.10	1/2	780.40	1/2	425.70	1/2	107.84	1/2		1/2			
3/4	2,205.14	3/4	1,846.97	3/4	1,488.80	3/4	1,130.64	3/4	772.95	3/4	418.65	3/4	101.72	3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/12/2015 CL  
RECALCULATED: 06/16/2020 CL  
REPRINTED: 06/16/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2020

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



# BARGE "HTCO 3140"

## 2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,771.93	0	4,414.36	0	4,055.50	0	3,696.57	0	3,337.64	0	2,978.70
1/4		1/4		1/4		1/4		1/4	4,764.52	1/4	4,406.90	1/4	4,048.02	1/4	3,689.09	1/4	3,330.16	1/4	2,971.22
1/2		1/2		1/2		1/2		1/2	4,757.10	1/2	4,399.44	1/2	4,040.54	1/2	3,681.61	1/2	3,322.68	1/2	2,963.75
3/4		3/4		3/4		3/4		3/4	4,749.68	3/4	4,391.97	3/4	4,033.06	3/4	3,674.14	3/4	3,315.21	3/4	2,956.26
1		1		1		1		1	4,742.27	1	4,384.50	1	4,025.59	1	3,666.66	1	3,307.73	1	2,948.78
1/4		1/4		1/4		1/4		1/4	5,079.19	1/4	4,734.85	1/4	4,377.03	1/4	4,018.11	1/4	3,659.18	1/4	3,300.25
1/2		1/2		1/2		1/2		1/2	5,074.45	1/2	4,727.43	1/2	4,369.56	1/2	4,010.63	1/2	3,651.70	1/2	3,292.77
3/4		3/4		3/4		3/4		3/4	5,068.63	3/4	4,720.00	3/4	4,362.08	3/4	4,003.15	3/4	3,644.22	3/4	3,285.29
2		2		2		2		2	5,062.81	2	4,712.56	2	4,354.61	2	3,995.68	2	3,636.75	2	3,277.82
1/4		1/4		1/4		1/4		1/4	5,056.99	1/4	4,705.12	1/4	4,347.13	1/4	3,988.20	1/4	3,629.27	1/4	3,270.34
1/2		1/2		1/2		1/2		1/2	5,051.18	1/2	4,697.69	1/2	4,339.65	1/2	3,980.72	1/2	3,621.79	1/2	3,262.86
3/4		3/4		3/4		3/4		3/4	5,044.36	3/4	4,690.23	3/4	4,332.17	3/4	3,973.24	3/4	3,614.31	3/4	3,255.38
3		3		3		3		3	5,037.54	3	4,682.78	3	4,324.69	3	3,965.77	3	3,606.84	3	3,247.91
1/4		1/4		1/4		1/4		1/4	5,030.72	1/4	4,675.32	1/4	4,317.22	1/4	3,958.29	1/4	3,599.36	1/4	3,240.43
1/2		1/2		1/2		1/2		1/2	5,023.90	1/2	4,667.86	1/2	4,309.74	1/2	3,950.81	1/2	3,591.88	1/2	3,232.95
3/4		3/4		3/4		3/4		3/4	5,016.54	3/4	4,660.41	3/4	4,302.26	3/4	3,943.33	3/4	3,584.40	3/4	3,225.47
4		4		4		4		4	5,009.19	4	4,652.95	4	4,294.78	4	3,935.85	4	3,576.92	4	3,218.00
1/4		1/4		1/4		1/4		1/4	5,001.83	1/4	4,645.50	1/4	4,287.31	1/4	3,928.38	1/4	3,569.45	1/4	3,210.52
1/2		1/2		1/2		1/2		1/2	4,994.48	1/2	4,638.04	1/2	4,279.83	1/2	3,920.90	1/2	3,561.97	1/2	3,203.04
3/4		3/4		3/4		3/4		3/4	4,987.06	3/4	4,630.58	3/4	4,272.35	3/4	3,913.42	3/4	3,554.49	3/4	3,195.56
5		5		5		5		5	4,979.64	5	4,623.13	5	4,264.87	5	3,905.94	5	3,547.01	5	3,188.08
1/4		1/4		1/4		1/4		1/4	4,972.22	1/4	4,615.67	1/4	4,257.40	1/4	3,898.47	1/4	3,539.54	1/4	3,180.61
1/2		1/2		1/2		1/2		1/2	4,964.80	1/2	4,608.21	1/2	4,249.92	1/2	3,890.99	1/2	3,532.06	1/2	3,173.13
3/4		3/4		3/4		3/4		3/4	4,957.38	3/4	4,600.76	3/4	4,242.44	3/4	3,883.51	3/4	3,524.58	3/4	3,165.65
6		6		6		6		6	4,949.96	6	4,593.30	6	4,234.96	6	3,876.03	6	3,517.10	6	3,158.17
1/4		1/4		1/4		1/4		1/4	4,942.54	1/4	4,585.85	1/4	4,227.48	1/4	3,868.56	1/4	3,509.63	1/4	3,150.70
1/2		1/2		1/2		1/2		1/2	4,935.12	1/2	4,578.39	1/2	4,220.01	1/2	3,861.08	1/2	3,502.15	1/2	3,143.22
3/4		3/4		3/4		3/4		3/4	4,927.70	3/4	4,570.93	3/4	4,212.53	3/4	3,853.60	3/4	3,494.67	3/4	3,135.74
7		7		7		7		7	4,920.28	7	4,563.48	7	4,205.05	7	3,846.12	7	3,487.19	7	3,128.26
1/4		1/4		1/4		1/4		1/4	4,912.86	1/4	4,556.02	1/4	4,197.57	1/4	3,838.64	1/4	3,479.71	1/4	3,120.79
1/2		1/2		1/2		1/2		1/2	4,905.43	1/2	4,548.57	1/2	4,190.10	1/2	3,831.17	1/2	3,472.24	1/2	3,113.31
3/4		3/4		3/4		3/4		3/4	4,898.02	3/4	4,541.11	3/4	4,182.62	3/4	3,823.69	3/4	3,464.76	3/4	3,105.83
8		8		8		8		8	4,890.60	8	4,533.65	8	4,175.14	8	3,816.21	8	3,457.28	8	3,098.35
1/4		1/4		1/4		1/4		1/4	4,883.18	1/4	4,526.20	1/4	4,167.66	1/4	3,808.73	1/4	3,449.80	1/4	3,090.87
1/2		1/2		1/2		1/2		1/2	4,875.76	1/2	4,518.74	1/2	4,160.19	1/2	3,801.26	1/2	3,442.33	1/2	3,083.40
3/4		3/4		3/4		3/4		3/4	4,868.35	3/4	4,511.29	3/4	4,152.71	3/4	3,793.78	3/4	3,434.85	3/4	3,075.92
9		9		9		9		9	4,860.93	9	4,503.83	9	4,145.23	9	3,786.30	9	3,427.37	9	3,068.44
1/4		1/4		1/4		1/4		1/4	4,853.51	1/4	4,496.37	1/4	4,137.75	1/4	3,778.82	1/4	3,419.89	1/4	3,060.96
1/2		1/2		1/2		1/2		1/2	4,846.10	1/2	4,488.92	1/2	4,130.27	1/2	3,771.35	1/2	3,412.42	1/2	3,053.49
3/4		3/4		3/4		3/4		3/4	4,838.68	3/4	4,481.46	3/4	4,122.80	3/4	3,763.87	3/4	3,404.94	3/4	3,046.01
10		10		10		10		10	4,831.26	10	4,474.00	10	4,115.32	10	3,756.39	10	3,397.46	10	3,038.53
1/4		1/4		1/4		1/4		1/4	4,823.85	1/4	4,466.55	1/4	4,107.84	1/4	3,748.91	1/4	3,389.98	1/4	3,031.05
1/2		1/2		1/2		1/2		1/2	4,816.43	1/2	4,459.09	1/2	4,100.36	1/2	3,741.43	1/2	3,382.50	1/2	3,023.58
3/4		3/4		3/4		3/4		3/4	4,809.01	3/4	4,451.64	3/4	4,092.89	3/4	3,733.96	3/4	3,375.03	3/4	3,016.10
11		11		11		11		11	4,801.60	11	4,444.18	11	4,085.41	11	3,726.48	11	3,367.55	11	3,008.62
1/4		1/4		1/4		1/4		1/4	4,794.18	1/4	4,436.72	1/4	4,077.93	1/4	3,719.00	1/4	3,360.07	1/4	3,001.14
1/2		1/2		1/2		1/2		1/2	4,786.76	1/2	4,429.27	1/2	4,070.45	1/2	3,711.52	1/2	3,352.59	1/2	2,993.66
3/4		3/4		3/4		3/4		3/4	4,779.35	3/4	4,421.81	3/4	4,062.98	3/4	3,704.05	3/4	3,345.12	3/4	2,986.18

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 13'-00" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD

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





# BARGE "HTCO 3140"

## 2 PORT 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	2,619.58	0	2,260.46	0	1,901.33	0	1,542.20	0	1,183.36	0	838.00	0	479.19	0	120.07	0		0	
1/4	2,612.10	1/4	2,252.97	1/4	1,893.85	1/4	1,534.72	1/4	1,176.02	1/4	830.67	1/4	471.71	1/4	112.59	1/4		1/4	
1/2	2,604.62	1/2	2,245.49	1/2	1,886.37	1/2	1,527.24	1/2	1,168.68	1/2	823.34	1/2	464.22	1/2	105.11	1/2		1/2	
3/4	2,597.14	3/4	2,238.01	3/4	1,878.88	3/4	1,519.76	3/4	1,161.48	3/4	815.86	3/4	456.74	3/4	97.63	3/4		3/4	
1	2,589.66	1	2,230.53	1	1,871.40	1	1,512.28	1	1,154.28	1	808.38	1	449.26	1	90.14	1		1	
1/4	2,582.17	1/4	2,223.05	1/4	1,863.92	1/4	1,504.79	1/4	1,147.08	1/4	800.90	1/4	441.78	1/4	82.66	1/4		1/4	
1/2	2,574.69	1/2	2,215.57	1/2	1,856.44	1/2	1,497.31	1/2	1,139.88	1/2	793.41	1/2	434.30	1/2	75.18	1/2		1/2	
3/4	2,567.21	3/4	2,208.08	3/4	1,848.96	3/4	1,489.83	3/4	1,132.69	3/4	785.93	3/4	426.82	3/4	68.17	3/4		3/4	
2	2,559.73	2	2,200.60	2	1,841.48	2	1,482.35	2	1,125.50	2	778.45	2	419.33	2	61.15	2		2	
1/4	2,552.25	1/4	2,193.12	1/4	1,833.99	1/4	1,474.87	1/4	1,118.30	1/4	770.97	1/4	411.85	1/4	54.14	1/4		1/4	
1/2	2,544.76	1/2	2,185.64	1/2	1,826.51	1/2	1,467.39	1/2	1,111.11	1/2	763.49	1/2	404.37	1/2	47.12	1/2		1/2	
3/4	2,537.28	3/4	2,178.16	3/4	1,819.03	3/4	1,459.90	3/4	1,103.93	3/4	756.01	3/4	396.89	3/4	41.51	3/4		3/4	
3	2,529.80	3	2,170.67	3	1,811.55	3	1,452.42	3	1,096.74	3	748.52	3	389.41	3	35.90	3		3	
1/4	2,522.32	1/4	2,163.19	1/4	1,804.07	1/4	1,444.94	1/4	1,089.55	1/4	741.04	1/4	381.93	1/4	30.29	1/4		1/4	
1/2	2,514.84	1/2	2,155.71	1/2	1,796.58	1/2	1,437.46	1/2	1,082.37	1/2	733.56	1/2	374.44	1/2	24.68	1/2		1/2	
3/4	2,507.36	3/4	2,148.23	3/4	1,789.10	3/4	1,429.98	3/4	1,075.19	3/4	726.08	3/4	366.96	3/4	20.94	3/4		3/4	
4	2,499.87	4	2,140.75	4	1,781.62	4	1,422.49	4	1,068.01	4	718.60	4	359.48	4		4		4	
1/4	2,492.39	1/4	2,133.27	1/4	1,774.14	1/4	1,415.01	1/4	1,060.83	1/4	711.12	1/4	352.00	1/4		1/4		1/4	
1/2	2,484.91	1/2	2,125.78	1/2	1,766.66	1/2	1,407.53	1/2	1,053.64	1/2	703.63	1/2	344.52	1/2		1/2		1/2	
3/4	2,477.43	3/4	2,118.30	3/4	1,759.18	3/4	1,400.05	3/4	1,046.47	3/4	696.15	3/4	337.04	3/4		3/4		3/4	
5	2,469.95	5	2,110.82	5	1,751.69	5	1,392.57	5	1,039.29	5	688.67	5	329.55	5		5		5	
1/4	2,462.46	1/4	2,103.34	1/4	1,744.21	1/4	1,385.09	1/4	1,032.11	1/4	681.19	1/4	322.07	1/4		1/4		1/4	
1/2	2,454.98	1/2	2,095.86	1/2	1,736.73	1/2	1,377.60	1/2	1,024.93	1/2	673.71	1/2	314.59	1/2		1/2		1/2	
3/4	2,447.50	3/4	2,088.37	3/4	1,729.25	3/4	1,370.12	3/4	1,017.75	3/4	666.23	3/4	307.11	3/4		3/4		3/4	
6	2,440.02	6	2,080.89	6	1,721.77	6	1,362.64	6	1,010.58	6	658.75	6	299.63	6		6		6	
1/4	2,432.54	1/4	2,073.41	1/4	1,714.28	1/4	1,355.16	1/4	1,003.40	1/4	651.26	1/4	292.15	1/4		1/4		1/4	
1/2	2,425.06	1/2	2,065.93	1/2	1,706.80	1/2	1,347.68	1/2	996.22	1/2	643.78	1/2	284.67	1/2		1/2		1/2	
3/4	2,417.57	3/4	2,058.45	3/4	1,699.32	3/4	1,340.19	3/4	989.04	3/4	636.30	3/4	277.18	3/4		3/4		3/4	
7	2,410.09	7	2,050.97	7	1,691.84	7	1,332.71	7	981.86	7	628.82	7	269.70	7		7		7	
1/4	2,402.61	1/4	2,043.48	1/4	1,684.36	1/4	1,325.23	1/4	974.69	1/4	621.34	1/4	262.22	1/4		1/4		1/4	
1/2	2,395.13	1/2	2,036.00	1/2	1,676.88	1/2	1,317.75	1/2	967.51	1/2	613.86	1/2	254.74	1/2		1/2		1/2	
3/4	2,387.65	3/4	2,028.52	3/4	1,669.39	3/4	1,310.27	3/4	960.33	3/4	606.37	3/4	247.26	3/4		3/4		3/4	
8	2,380.16	8	2,021.04	8	1,661.91	8	1,302.79	8	953.15	8	598.89	8	239.78	8		8		8	
1/4	2,372.68	1/4	2,013.56	1/4	1,654.43	1/4	1,295.30	1/4	945.97	1/4	591.41	1/4	232.29	1/4		1/4		1/4	
1/2	2,365.20	1/2	2,006.07	1/2	1,646.95	1/2	1,287.82	1/2	938.79	1/2	583.93	1/2	224.81	1/2		1/2		1/2	
3/4	2,357.72	3/4	1,998.59	3/4	1,639.47	3/4	1,280.34	3/4	931.62	3/4	576.45	3/4	217.33	3/4		3/4		3/4	
9	2,350.24	9	1,991.11	9	1,631.98	9	1,272.86	9	924.44	9	568.97	9	209.85	9		9		9	
1/4	2,342.76	1/4	1,983.63	1/4	1,624.50	1/4	1,265.38	1/4	917.26	1/4	561.48	1/4	202.37	1/4		1/4		1/4	
1/2	2,335.27	1/2	1,976.15	1/2	1,617.02	1/2	1,257.89	1/2	910.08	1/2	554.00	1/2	194.89	1/2		1/2		1/2	
3/4	2,327.79	3/4	1,968.67	3/4	1,609.54	3/4	1,250.41	3/4	902.90	3/4	546.52	3/4	187.40	3/4		3/4		3/4	
10	2,320.31	10	1,961.18	10	1,602.06	10	1,242.93	10	895.73	10	539.04	10	179.92	10		10		10	
1/4	2,312.83	1/4	1,953.70	1/4	1,594.58	1/4	1,235.45	1/4	888.55	1/4	531.56	1/4	172.44	1/4		1/4		1/4	
1/2	2,305.35	1/2	1,946.22	1/2	1,587.09	1/2	1,227.97	1/2	881.37	1/2	524.08	1/2	164.96	1/2		1/2		1/2	
3/4	2,297.86	3/4	1,938.74	3/4	1,579.61	3/4	1,220.49	3/4	874.19	3/4	516.59	3/4	157.48	3/4		3/4		3/4	
11	2,290.38	11	1,931.26	11	1,572.13	11	1,213.00	11	867.01	11	509.11	11	150.00	11		11		11	
1/4	2,282.90	1/4	1,923.77	1/4	1,564.65	1/4	1,205.52	1/4	859.84	1/4	501.63	1/4	142.51	1/4		1/4		1/4	
1/2	2,275.42	1/2	1,916.29	1/2	1,557.17	1/2	1,198.04	1/2	852.66	1/2	494.15	1/2	135.03	1/2		1/2		1/2	
3/4	2,267.94	3/4	1,908.81	3/4	1,549.68	3/4	1,190.70	3/4	845.33	3/4	486.67	3/4	127.55	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/12/2015 CL  
RECALCULATED: 06/16/2020 CL  
REPRINTED: 06/16/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2020

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



# BARGE "HTCO 3140"

2 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 17'-03 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	0	0	4,785.24	0	4,427.71	0	4,068.91	0	3,710.02	0	3,351.13	0	2,992.24
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,777.83	1/4	4,420.26	1/4	4,061.44	1/4	3,702.55	1/4	3,343.66	1/4	2,984.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,770.41	1/2	4,412.80	1/2	4,053.96	1/2	3,695.07	1/2	3,336.18	1/2	2,977.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,763.00	3/4	4,405.34	3/4	4,046.48	3/4	3,687.59	3/4	3,328.70	3/4	2,969.80
1	1	1	1	1	1	1	1	1	4,755.58	1	4,397.87	1	4,039.01	1	3,680.12	1	3,321.22	1	2,962.32
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,092.46	1/4	4,748.17	1/4	4,390.41	1/4	4,031.53	1/4	3,672.64	1/4	3,313.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,087.71	1/2	4,740.75	1/2	4,382.94	1/2	4,024.05	1/2	3,665.16	1/2	3,306.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,081.90	3/4	4,733.32	3/4	4,375.47	3/4	4,016.58	3/4	3,657.68	3/4	3,298.79
2	2	2	2	2	2	2	2	2	5,076.08	2	4,725.88	2	4,367.99	2	4,009.10	2	3,650.21	2	3,291.32
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,070.26	1/4	4,718.45	1/4	4,360.51	1/4	4,001.62	1/4	3,642.73	1/4	3,283.84
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,064.45	1/2	4,711.01	1/2	4,353.04	1/2	3,994.15	1/2	3,635.25	1/2	3,276.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,057.63	3/4	4,703.56	3/4	4,345.56	3/4	3,986.67	3/4	3,627.78	3/4	3,268.89
3	3	3	3	3	3	3	3	3	5,050.81	3	4,696.10	3	4,338.08	3	3,979.19	3	3,620.30	3	3,261.41
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,043.99	1/4	4,688.65	1/4	4,330.61	1/4	3,971.71	1/4	3,612.82	1/4	3,253.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,037.17	1/2	4,681.19	1/2	4,323.13	1/2	3,964.24	1/2	3,605.35	1/2	3,246.46
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,029.82	3/4	4,673.74	3/4	4,315.65	3/4	3,956.76	3/4	3,597.87	3/4	3,238.98
4	4	4	4	4	4	4	4	4	5,022.47	4	4,666.28	4	4,308.18	4	3,949.28	4	3,590.39	4	3,231.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,015.11	1/4	4,658.83	1/4	4,300.70	1/4	3,941.81	1/4	3,582.92	1/4	3,224.02
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,007.76	1/2	4,651.37	1/2	4,293.22	1/2	3,934.33	1/2	3,575.44	1/2	3,216.55
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,000.34	3/4	4,643.91	3/4	4,285.74	3/4	3,926.85	3/4	3,567.96	3/4	3,209.07
5	5	5	5	5	5	5	5	5	4,992.92	5	4,636.46	5	4,278.27	5	3,919.38	5	3,560.49	5	3,201.59
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,985.50	1/4	4,629.00	1/4	4,270.79	1/4	3,911.90	1/4	3,553.01	1/4	3,194.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,978.08	1/2	4,621.55	1/2	4,263.31	1/2	3,904.42	1/2	3,545.53	1/2	3,186.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,970.66	3/4	4,614.09	3/4	4,255.84	3/4	3,896.95	3/4	3,538.05	3/4	3,179.16
6	6	6	6	6	6	6	6	6	4,963.25	6	4,606.64	6	4,248.36	6	3,889.47	6	3,530.58	6	3,171.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,955.83	1/4	4,599.18	1/4	4,240.88	1/4	3,881.99	1/4	3,523.10	1/4	3,164.21
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,948.41	1/2	4,591.73	1/2	4,233.41	1/2	3,874.51	1/2	3,515.62	1/2	3,156.73
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,940.99	3/4	4,584.27	3/4	4,225.93	3/4	3,867.04	3/4	3,508.15	3/4	3,149.26
7	7	7	7	7	7	7	7	7	4,933.57	7	4,576.82	7	4,218.45	7	3,859.56	7	3,500.67	7	3,141.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,926.15	1/4	4,569.36	1/4	4,210.98	1/4	3,852.08	1/4	3,493.19	1/4	3,134.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,918.73	1/2	4,561.91	1/2	4,203.50	1/2	3,844.61	1/2	3,485.72	1/2	3,126.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,911.31	3/4	4,554.45	3/4	4,196.02	3/4	3,837.13	3/4	3,478.24	3/4	3,119.35
8	8	8	8	8	8	8	8	8	4,903.89	8	4,547.00	8	4,188.54	8	3,829.65	8	3,470.76	8	3,111.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,896.48	1/4	4,539.54	1/4	4,181.07	1/4	3,822.18	1/4	3,463.29	1/4	3,104.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,889.06	1/2	4,532.09	1/2	4,173.59	1/2	3,814.70	1/2	3,455.81	1/2	3,096.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,881.64	3/4	4,524.63	3/4	4,166.11	3/4	3,807.22	3/4	3,448.33	3/4	3,089.44
9	9	9	9	9	9	9	9	9	4,874.23	9	4,517.18	9	4,158.64	9	3,799.75	9	3,440.85	9	3,081.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,866.81	1/4	4,509.72	1/4	4,151.16	1/4	3,792.27	1/4	3,433.38	1/4	3,074.49
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,859.40	1/2	4,502.27	1/2	4,143.68	1/2	3,784.79	1/2	3,425.90	1/2	3,067.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,851.98	3/4	4,494.81	3/4	4,136.21	3/4	3,777.32	3/4	3,418.42	3/4	3,059.53
10	10	10	10	10	10	10	10	10	4,844.57	10	4,487.36	10	4,128.73	10	3,769.84	10	3,410.95	10	3,052.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,837.15	1/4	4,479.90	1/4	4,121.25	1/4	3,762.36	1/4	3,403.47	1/4	3,044.58
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,829.74	1/2	4,472.45	1/2	4,113.78	1/2	3,754.88	1/2	3,395.99	1/2	3,037.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,822.32	3/4	4,464.99	3/4	4,106.30	3/4	3,747.41	3/4	3,388.52	3/4	3,029.63
11	11	11	11	11	11	11	11	11	4,814.90	11	4,457.53	11	4,098.82	11	3,739.93	11	3,381.04	11	3,022.15
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,807.49	1/4	4,450.08	1/4	4,091.35	1/4	3,732.45	1/4	3,373.56	1/4	3,014.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,800.07	1/2	4,442.62	1/2	4,083.87	1/2	3,724.98	1/2	3,366.09	1/2	3,007.19
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,792.66	3/4	4,435.17	3/4	4,076.39	3/4	3,717.50	3/4	3,358.61	3/4	2,999.72

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 13'-00" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD

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





# BARGE "HTCO 3140"

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	2,633.16	0	2,274.07	0	1,914.99	0	1,555.91	0	1,196.82	0	838.19	0	479.13	0	120.06	0			
1/4	2,625.68	1/4	2,266.59	1/4	1,907.51	1/4	1,548.43	1/4	1,189.34	1/4	830.72	1/4	471.65	1/4	112.58	1/4			
1/2	2,618.20	1/2	2,259.11	1/2	1,900.03	1/2	1,540.95	1/2	1,181.86	1/2	823.24	1/2	464.17	1/2	105.09	1/2			
3/4	2,610.71	3/4	2,251.63	3/4	1,892.55	3/4	1,533.47	3/4	1,174.38	3/4	815.76	3/4	456.69	3/4	97.61	3/4			
1	2,603.23	1	2,244.15	1	1,885.07	1	1,525.98	1	1,166.90	1	808.28	1	449.21	1	90.13	1			
1/4	2,595.75	1/4	2,236.67	1/4	1,877.59	1/4	1,518.50	1/4	1,159.42	1/4	800.80	1/4	441.73	1/4	82.65	1/4			
1/2	2,588.27	1/2	2,229.19	1/2	1,870.11	1/2	1,511.02	1/2	1,151.94	1/2	793.32	1/2	434.25	1/2	75.17	1/2			
3/4	2,580.79	3/4	2,221.71	3/4	1,862.62	3/4	1,503.54	3/4	1,144.46	3/4	785.84	3/4	426.76	3/4	68.16	3/4			
2	2,573.31	2	2,214.23	2	1,855.14	2	1,496.06	2	1,136.98	2	778.36	2	419.28	2	61.15	2			
1/4	2,565.83	1/4	2,206.75	1/4	1,847.66	1/4	1,488.58	1/4	1,129.50	1/4	770.88	1/4	411.80	1/4	54.13	1/4			
1/2	2,558.35	1/2	2,199.27	1/2	1,840.18	1/2	1,481.10	1/2	1,122.03	1/2	763.40	1/2	404.32	1/2	47.12	1/2			
3/4	2,550.87	3/4	2,191.78	3/4	1,832.70	3/4	1,473.62	3/4	1,114.55	3/4	755.92	3/4	396.84	3/4	41.51	3/4			
3	2,543.39	3	2,184.30	3	1,825.22	3	1,466.14	3	1,107.08	3	748.44	3	389.36	3	35.90	3			
1/4	2,535.91	1/4	2,176.82	1/4	1,817.74	1/4	1,458.66	1/4	1,099.60	1/4	740.95	1/4	381.88	1/4	30.29	1/4			
1/2	2,528.42	1/2	2,169.34	1/2	1,810.26	1/2	1,451.18	1/2	1,092.13	1/2	733.47	1/2	374.40	1/2	24.68	1/2			
3/4	2,520.94	3/4	2,161.86	3/4	1,802.78	3/4	1,443.69	3/4	1,084.65	3/4	725.99	3/4	366.92	3/4	20.94	3/4			
4	2,513.46	4	2,154.38	4	1,795.30	4	1,436.21	4	1,077.18	4	718.51	4	359.44	4		4			
1/4	2,505.98	1/4	2,146.90	1/4	1,787.82	1/4	1,428.73	1/4	1,069.71	1/4	711.03	1/4	351.96	1/4		1/4			
1/2	2,498.50	1/2	2,139.42	1/2	1,780.33	1/2	1,421.25	1/2	1,062.24	1/2	703.55	1/2	344.48	1/2		1/2			
3/4	2,491.02	3/4	2,131.94	3/4	1,772.85	3/4	1,413.77	3/4	1,054.77	3/4	696.07	3/4	337.00	3/4		3/4			
5	2,483.54	5	2,124.46	5	1,765.37	5	1,406.29	5	1,047.30	5	688.59	5	329.52	5	5	5			
1/4	2,476.06	1/4	2,116.98	1/4	1,757.89	1/4	1,398.81	1/4	1,039.83	1/4	681.11	1/4	322.04	1/4		1/4			
1/2	2,468.58	1/2	2,109.49	1/2	1,750.41	1/2	1,391.33	1/2	1,032.37	1/2	673.63	1/2	314.55	1/2		1/2			
3/4	2,461.10	3/4	2,102.01	3/4	1,742.93	3/4	1,383.85	3/4	1,024.90	3/4	666.15	3/4	307.07	3/4		3/4			
6	2,453.62	6	2,094.53	6	1,735.45	6	1,376.37	6	1,017.43	6	658.67	6	299.59	6	6	6			
1/4	2,446.13	1/4	2,087.05	1/4	1,727.97	1/4	1,368.89	1/4	1,009.96	1/4	651.19	1/4	292.11	1/4		1/4			
1/2	2,438.65	1/2	2,079.57	1/2	1,720.49	1/2	1,361.40	1/2	1,002.49	1/2	643.71	1/2	284.63	1/2		1/2			
3/4	2,431.17	3/4	2,072.09	3/4	1,713.01	3/4	1,353.92	3/4	995.03	3/4	636.22	3/4	277.15	3/4		3/4			
7	2,423.69	7	2,064.61	7	1,705.53	7	1,346.44	7	987.56	7	628.74	7	269.67	7	7	7			
1/4	2,416.21	1/4	2,057.13	1/4	1,698.04	1/4	1,338.96	1/4	980.09	1/4	621.26	1/4	262.19	1/4		1/4			
1/2	2,408.73	1/2	2,049.65	1/2	1,690.56	1/2	1,331.48	1/2	972.62	1/2	613.78	1/2	254.71	1/2		1/2			
3/4	2,401.25	3/4	2,042.17	3/4	1,683.08	3/4	1,324.00	3/4	965.16	3/4	606.30	3/4	247.23	3/4		3/4			
8	2,393.77	8	2,034.69	8	1,675.60	8	1,316.52	8	957.69	8	598.82	8	239.75	8	8	8			
1/4	2,386.29	1/4	2,027.20	1/4	1,668.12	1/4	1,309.04	1/4	950.22	1/4	591.34	1/4	232.27	1/4		1/4			
1/2	2,378.81	1/2	2,019.72	1/2	1,660.64	1/2	1,301.56	1/2	942.75	1/2	583.86	1/2	224.79	1/2		1/2			
3/4	2,371.33	3/4	2,012.24	3/4	1,653.16	3/4	1,294.08	3/4	935.28	3/4	576.38	3/4	217.31	3/4		3/4			
9	2,363.85	9	2,004.76	9	1,645.68	9	1,286.60	9	927.82	9	568.90	9	209.82	9	9	9			
1/4	2,356.36	1/4	1,997.28	1/4	1,638.20	1/4	1,279.11	1/4	920.35	1/4	561.42	1/4	202.34	1/4		1/4			
1/2	2,348.88	1/2	1,989.80	1/2	1,630.72	1/2	1,271.63	1/2	912.88	1/2	553.94	1/2	194.86	1/2		1/2			
3/4	2,341.40	3/4	1,982.32	3/4	1,623.24	3/4	1,264.15	3/4	905.41	3/4	546.46	3/4	187.38	3/4		3/4			
10	2,333.92	10	1,974.84	10	1,615.76	10	1,256.67	10	897.94	10	538.98	10	179.90	10	10	10			
1/4	2,326.44	1/4	1,967.36	1/4	1,608.27	1/4	1,249.19	1/4	890.48	1/4	531.49	1/4	172.42	1/4		1/4			
1/2	2,318.96	1/2	1,959.88	1/2	1,600.79	1/2	1,241.71	1/2	883.01	1/2	524.01	1/2	164.94	1/2		1/2			
3/4	2,311.48	3/4	1,952.40	3/4	1,593.31	3/4	1,234.23	3/4	875.54	3/4	516.53	3/4	157.46	3/4		3/4			
11	2,304.00	11	1,944.91	11	1,585.83	11	1,226.75	11	868.07	11	509.05	11	149.98	11	11	11			
1/4	2,296.52	1/4	1,937.43	1/4	1,578.35	1/4	1,219.27	1/4	860.60	1/4	501.57	1/4	142.50	1/4		1/4			
1/2	2,289.04	1/2	1,929.95	1/2	1,570.87	1/2	1,211.79	1/2	853.14	1/2	494.09	1/2	135.02	1/2		1/2			
3/4	2,281.56	3/4	1,922.47	3/4	1,563.39	3/4	1,204.31	3/4	845.66	3/4	486.61	3/4	127.54	3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/12/2015 CL  
RECALCULATED: 06/16/2020 CL  
REPRINTED: 06/16/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2020

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



# BARGE "HTCO 3140"

## 3 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	0	0	0	0	4,372.86	0	4,126.74	0	3,879.78	0	3,632.78	0	3,306.69	0	2,950.62
1/4		1/4		1/4		1/4		1/4	4,367.76	1/4	4,121.61	1/4	3,874.64	1/4	3,627.64	1/4	3,299.29	1/4	2,943.20
1/2		1/2		1/2		1/2		1/2	4,362.65	1/2	4,116.47	1/2	3,869.49	1/2	3,622.49	1/2	3,291.89	1/2	2,935.77
3/4		3/4		3/4		3/4		3/4	4,357.55	3/4	4,111.34	3/4	3,864.35	3/4	3,617.34	3/4	3,284.49	3/4	2,928.35
1	1	1	1	1	4,585.81	1	4,352.45	1	4,106.20	1	3,859.20	1	3,612.20	1	3,277.09	1	2,920.92		
1/4		1/4		1/4		1/4		1/4	4,583.36	1/4	4,347.34	1/4	4,101.06	1/4	3,854.06	1/4	3,607.05	1/4	3,269.69
1/2		1/2		1/2		1/2		1/2	4,579.85	1/2	4,342.22	1/2	4,095.91	1/2	3,848.91	1/2	3,601.91	1/2	3,262.28
3/4		3/4		3/4		3/4		3/4	4,576.34	3/4	4,337.10	3/4	4,090.77	3/4	3,843.76	3/4	3,596.76	3/4	3,254.87
2	2	2	2	2	4,572.83	2	4,331.99	2	4,085.62	2	3,838.62	2	3,591.61	2	3,247.46	2	2,891.23		
1/4		1/4		1/4		1/4		1/4	4,569.32	1/4	4,326.87	1/4	4,080.47	1/4	3,586.47	1/4	3,240.05	1/4	2,883.80
1/2		1/2		1/2		1/2		1/2	4,564.81	1/2	4,321.74	1/2	4,075.33	1/2	3,580.75	1/2	3,232.63	1/2	2,876.38
3/4		3/4		3/4		3/4		3/4	4,560.30	3/4	4,316.61	3/4	4,070.18	3/4	3,575.03	3/4	3,225.21	3/4	2,868.96
3	3	3	3	3	4,555.79	3	4,311.47	3	4,065.04	3	3,818.03	3	3,569.31	3	3,217.78	3	2,861.53		
1/4		1/4		1/4		1/4		1/4	4,551.29	1/4	4,306.34	1/4	4,059.89	1/4	3,563.59	1/4	3,210.36	1/4	2,854.11
1/2		1/2		1/2		1/2		1/2	4,546.25	1/2	4,301.21	1/2	4,054.75	1/2	3,556.74	1/2	3,202.94	1/2	2,846.69
3/4		3/4		3/4		3/4		3/4	4,541.21	3/4	4,296.08	3/4	4,049.60	3/4	3,549.88	3/4	3,195.52	3/4	2,839.26
4	4	4	4	4	4,536.17	4	4,290.95	4	4,044.45	4	3,797.45	4	3,543.03	4	3,188.10	4	2,831.84		
1/4		1/4		1/4		1/4		1/4	4,531.13	1/4	4,285.82	1/4	4,039.31	1/4	3,792.30	1/4	3,536.18	1/4	3,180.68
1/2		1/2		1/2		1/2		1/2	4,526.02	1/2	4,280.69	1/2	4,034.16	1/2	3,787.16	1/2	3,528.76	1/2	3,173.26
3/4		3/4		3/4		3/4		3/4	4,520.91	3/4	4,275.55	3/4	4,029.02	3/4	3,782.01	3/4	3,521.35	3/4	3,165.84
5	5	5	5	5	4,515.81	5	4,270.42	5	4,023.87	5	3,776.87	5	3,513.94	5	3,158.41	5	2,802.14		
1/4		1/4		1/4		1/4		1/4	4,510.70	1/4	4,265.29	1/4	4,018.72	1/4	3,771.72	1/4	3,506.53	1/4	3,150.99
1/2		1/2		1/2		1/2		1/2	4,505.59	1/2	4,260.16	1/2	4,013.58	1/2	3,766.57	1/2	3,499.12	1/2	3,143.57
3/4		3/4		3/4		3/4		3/4	4,500.48	3/4	4,255.03	3/4	4,008.43	3/4	3,761.43	3/4	3,491.72	3/4	3,136.15
6	6	6	6	6	4,495.38	6	4,249.90	6	4,003.29	6	3,756.28	6	3,484.31	6	3,128.73	6	2,772.45		
1/4		1/4		1/4		1/4		1/4	4,490.27	1/4	4,244.77	1/4	3,998.14	1/4	3,751.14	1/4	3,476.90	1/4	3,121.31
1/2		1/2		1/2		1/2		1/2	4,485.16	1/2	4,239.63	1/2	3,992.99	1/2	3,745.99	1/2	3,469.50	1/2	3,113.89
3/4		3/4		3/4		3/4		3/4	4,480.06	3/4	4,234.50	3/4	3,987.85	3/4	3,740.85	3/4	3,462.10	3/4	3,106.47
7	7	7	7	7	4,474.95	7	4,229.37	7	3,982.70	7	3,735.70	7	3,454.70	7	3,099.04	7	2,742.75		
1/4		1/4		1/4		1/4		1/4	4,469.84	1/4	4,224.24	1/4	3,977.56	1/4	3,730.55	1/4	3,447.30	1/4	3,091.62
1/2		1/2		1/2		1/2		1/2	4,464.74	1/2	4,219.11	1/2	3,972.41	1/2	3,725.41	1/2	3,439.90	1/2	3,084.20
3/4		3/4		3/4		3/4		3/4	4,459.63	3/4	4,213.98	3/4	3,967.26	3/4	3,720.26	3/4	3,432.50	3/4	3,076.78
8	8	8	8	8	4,454.53	8	4,208.85	8	3,962.12	8	3,715.12	8	3,425.10	8	3,069.36	8	2,713.05		
1/4		1/4		1/4		1/4		1/4	4,449.42	1/4	4,203.72	1/4	3,956.97	1/4	3,709.97	1/4	3,417.70	1/4	3,061.94
1/2		1/2		1/2		1/2		1/2	4,444.32	1/2	4,198.58	1/2	3,951.83	1/2	3,704.82	1/2	3,410.30	1/2	3,054.52
3/4		3/4		3/4		3/4		3/4	4,439.21	3/4	4,193.45	3/4	3,946.68	3/4	3,699.68	3/4	3,402.90	3/4	3,047.10
9	9	9	9	9	4,434.11	9	4,188.32	9	3,941.54	9	3,694.53	9	3,395.50	9	3,039.68	9	2,683.36		
1/4		1/4		1/4		1/4		1/4	4,429.01	1/4	4,183.19	1/4	3,936.39	1/4	3,689.39	1/4	3,388.10	1/4	3,032.25
1/2		1/2		1/2		1/2		1/2	4,423.90	1/2	4,178.06	1/2	3,931.24	1/2	3,684.24	1/2	3,380.70	1/2	3,024.83
3/4		3/4		3/4		3/4		3/4	4,418.80	3/4	4,172.93	3/4	3,926.10	3/4	3,679.09	3/4	3,373.30	3/4	3,017.41
10	10	10	10	10	4,413.69	10	4,167.80	10	3,920.95	10	3,673.95	10	3,365.90	10	3,009.99	10	2,653.66		
1/4		1/4		1/4		1/4		1/4	4,408.59	1/4	4,162.66	1/4	3,915.81	1/4	3,668.80	1/4	3,358.50	1/4	3,002.57
1/2		1/2		1/2		1/2		1/2	4,403.49	1/2	4,157.53	1/2	3,910.66	1/2	3,663.66	1/2	3,351.10	1/2	2,995.15
3/4		3/4		3/4		3/4		3/4	4,398.38	3/4	4,152.40	3/4	3,905.51	3/4	3,658.51	3/4	3,343.70	3/4	2,987.73
11	11	11	11	11	4,393.28	11	4,147.27	11	3,900.37	11	3,653.36	11	3,336.29	11	2,980.31	11	2,623.97		
1/4		1/4		1/4		1/4		1/4	4,388.17	1/4	4,142.14	1/4	3,895.22	1/4	3,648.22	1/4	3,328.89	1/4	2,972.88
1/2		1/2		1/2		1/2		1/2	4,383.07	1/2	4,137.01	1/2	3,890.08	1/2	3,643.07	1/2	3,321.49	1/2	2,965.46
3/4		3/4		3/4		3/4		3/4	4,377.97	3/4	4,131.88	3/4	3,884.93	3/4	3,637.93	3/4	3,314.09	3/4	2,958.04

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 13'-00" OFF CENTERLINE AND 40'-00" FORWARD OF AFT BULKHEAD

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



# BARGE "HTCO 3140"

## 3 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	2,594.26	0	2,238.87	0	1,885.09	0	1,528.42	0	1,172.04	0	825.71	0	468.93	0	112.05	0			
1/4	2,586.83	1/4	2,231.49	1/4	1,877.69	1/4	1,520.99	1/4	1,164.71	1/4	818.39	1/4	461.50	1/4	104.62	1/4			
1/2	2,579.40	1/2	2,224.12	1/2	1,870.26	1/2	1,513.56	1/2	1,157.49	1/2	810.96	1/2	454.06	1/2	97.17	1/2			
3/4	2,571.97	3/4	2,216.76	3/4	1,862.82	3/4	1,506.13	3/4	1,150.27	3/4	803.52	3/4	446.63	3/4	89.73	3/4			
1	2,564.54	1	2,209.39	1	1,855.39	1	1,498.70	1	1,143.05	1	796.09	1	439.20	1	82.28	1			
1/4	2,557.11	1/4	2,202.02	1/4	1,847.96	1/4	1,491.26	1/4	1,135.83	1/4	788.65	1/4	431.76	1/4	74.84	1/4			
1/2	2,549.68	1/2	2,194.65	1/2	1,840.53	1/2	1,483.83	1/2	1,128.61	1/2	781.22	1/2	424.33	1/2	67.85	1/2			
3/4	2,542.25	3/4	2,187.28	3/4	1,833.10	3/4	1,476.40	3/4	1,121.40	3/4	773.78	3/4	416.89	3/4	60.87	3/4			
2	2,534.82	2	2,179.91	2	1,825.67	2	1,468.97	2	1,114.18	2	766.35	2	409.46	2	53.89	2			
1/4	2,527.39	1/4	2,172.55	1/4	1,818.24	1/4	1,461.54	1/4	1,106.97	1/4	758.91	1/4	402.03	1/4	46.91	1/4			
1/2	2,519.95	1/2	2,165.18	1/2	1,810.81	1/2	1,454.11	1/2	1,099.76	1/2	751.48	1/2	394.59	1/2	41.32	1/2			
3/4	2,512.52	3/4	2,157.81	3/4	1,803.38	3/4	1,446.68	3/4	1,092.55	3/4	744.04	3/4	387.16	3/4	35.74	3/4			
3	2,505.09	3	2,150.44	3	1,795.94	3	1,439.25	3	1,085.34	3	736.60	3	379.72	3	30.15	3			
1/4	2,497.66	1/4	2,143.07	1/4	1,788.51	1/4	1,431.82	1/4	1,078.13	1/4	729.17	1/4	372.29	1/4	24.57	1/4			
1/2	2,490.25	1/2	2,135.70	1/2	1,781.08	1/2	1,424.38	1/2	1,070.93	1/2	721.73	1/2	364.86	1/2	20.85	1/2			
3/4	2,482.84	3/4	2,128.34	3/4	1,773.65	3/4	1,416.95	3/4	1,063.72	3/4	714.30	3/4	357.42	3/4		3/4			
4	2,475.42	4	2,120.97	4	1,766.22	4	1,409.52	4	1,056.52	4	706.86	4	349.99	4		4			
1/4	2,468.01	1/4	2,113.60	1/4	1,758.79	1/4	1,402.09	1/4	1,049.31	1/4	699.43	1/4	342.55	1/4		1/4			
1/2	2,460.62	1/2	2,106.23	1/2	1,751.36	1/2	1,394.66	1/2	1,042.11	1/2	691.99	1/2	335.12	1/2		1/2			
3/4	2,453.23	3/4	2,098.86	3/4	1,743.93	3/4	1,387.23	3/4	1,034.91	3/4	684.56	3/4	327.69	3/4		3/4			
5	2,445.83	5	2,091.49	5	1,736.49	5	1,379.80	5	1,027.70	5	677.12	5	320.25	5		5			
1/4	2,438.44	1/4	2,084.13	1/4	1,729.06	1/4	1,372.37	1/4	1,020.50	1/4	669.69	1/4	312.82	1/4		1/4			
1/2	2,431.05	1/2	2,076.76	1/2	1,721.63	1/2	1,364.93	1/2	1,013.30	1/2	662.25	1/2	305.38	1/2		1/2			
3/4	2,423.66	3/4	2,069.39	3/4	1,714.20	3/4	1,357.50	3/4	1,006.10	3/4	654.82	3/4	297.95	3/4		3/4			
6	2,416.26	6	2,062.02	6	1,706.77	6	1,350.07	6	998.90	6	647.38	6	290.51	6		6			
1/4	2,408.87	1/4	2,054.65	1/4	1,699.34	1/4	1,342.64	1/4	991.70	1/4	639.94	1/4	283.08	1/4		1/4			
1/2	2,401.48	1/2	2,047.28	1/2	1,691.91	1/2	1,335.21	1/2	984.50	1/2	632.51	1/2	275.65	1/2		1/2			
3/4	2,394.09	3/4	2,039.92	3/4	1,684.48	3/4	1,327.78	3/4	977.29	3/4	625.07	3/4	268.21	3/4		3/4			
7	2,386.69	7	2,032.55	7	1,677.04	7	1,320.35	7	970.09	7	617.64	7	260.78	7		7			
1/4	2,379.30	1/4	2,025.18	1/4	1,669.61	1/4	1,312.92	1/4	962.89	1/4	610.20	1/4	253.34	1/4		1/4			
1/2	2,371.91	1/2	2,017.81	1/2	1,662.18	1/2	1,305.48	1/2	955.69	1/2	602.77	1/2	245.91	1/2		1/2			
3/4	2,364.51	3/4	2,010.44	3/4	1,654.75	3/4	1,298.05	3/4	948.49	3/4	595.33	3/4	238.47	3/4		3/4			
8	2,357.12	8	2,003.07	8	1,647.32	8	1,290.62	8	941.29	8	587.90	8	231.04	8		8			
1/4	2,349.73	1/4	1,995.71	1/4	1,639.89	1/4	1,283.19	1/4	934.09	1/4	580.46	1/4	223.61	1/4		1/4			
1/2	2,342.34	1/2	1,988.34	1/2	1,632.46	1/2	1,275.76	1/2	926.88	1/2	573.03	1/2	216.17	1/2		1/2			
3/4	2,334.94	3/4	1,980.97	3/4	1,625.03	3/4	1,268.33	3/4	919.68	3/4	565.59	3/4	208.73	3/4		3/4			
9	2,327.55	9	1,973.60	9	1,617.60	9	1,260.90	9	912.48	9	558.16	9	201.30	9		9			
1/4	2,320.16	1/4	1,966.23	1/4	1,610.16	1/4	1,253.47	1/4	905.28	1/4	550.72	1/4	193.86	1/4		1/4			
1/2	2,312.77	1/2	1,958.87	1/2	1,602.73	1/2	1,246.04	1/2	898.08	1/2	543.28	1/2	186.43	1/2		1/2			
3/4	2,305.37	3/4	1,951.50	3/4	1,595.30	3/4	1,238.60	3/4	890.88	3/4	535.85	3/4	178.99	3/4		3/4			
10	2,297.98	10	1,944.13	10	1,587.87	10	1,231.17	10	883.67	10	528.41	10	171.56	10		10			
1/4	2,290.59	1/4	1,936.76	1/4	1,580.44	1/4	1,223.74	1/4	876.47	1/4	520.98	1/4	164.12	1/4		1/4			
1/2	2,283.19	1/2	1,929.39	1/2	1,573.01	1/2	1,216.31	1/2	869.27	1/2	513.54	1/2	156.68	1/2		1/2			
3/4	2,275.80	3/4	1,922.02	3/4	1,565.58	3/4	1,208.88	3/4	862.07	3/4	506.11	3/4	149.25	3/4		3/4			
11	2,268.41	11	1,914.66	11	1,558.15	11	1,201.45	11	854.87	11	498.67	11	141.81	11		11			
1/4	2,261.02	1/4	1,907.29	1/4	1,550.71	1/4	1,194.02	1/4	847.67	1/4	491.24	1/4	134.37	1/4		1/4			
1/2	2,253.64	1/2	1,899.89	1/2	1,543.28	1/2	1,186.69	1/2	840.35	1/2	483.80	1/2	126.93	1/2		1/2			
3/4	2,246.25	3/4	1,892.49	3/4	1,535.85	3/4	1,179.36	3/4	833.03	3/4	476.37	3/4	119.49	3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/12/2015 CL  
RECALCULATED: 06/16/2020 CL  
REPRINTED: 06/16/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2020

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



# BARGE "HTCO 3140"

## 3 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,394.64	0	4,148.45	0	4,148.45	0	3,901.42	0	3,654.36	0	3,327.81	0	2,970.95
1/4		1/4		1/4		1/4	4,389.53	1/4	4,143.32	1/4	4,138.20	1/4	3,896.27	1/4	3,649.21	1/4	3,320.39	1/4	2,963.51
1/2		1/2		1/2		1/2	4,384.43	1/2	4,138.18	1/2	4,133.04	1/2	3,891.13	1/2	3,644.06	1/2	3,312.97	1/2	2,956.07
3/4		3/4		3/4		3/4	4,379.32	3/4	4,133.04	3/4	4,127.89	3/4	3,885.98	3/4	3,638.91	3/4	3,305.56	3/4	2,948.63
1		1		1		1	4,607.65	1	4,374.22	1	4,127.89	1	3,880.83	1	3,633.77	1	3,298.14	1	2,941.19
1/4		1/4		1/4		1/4	4,605.20	1/4	4,369.11	1/4	4,122.75	1/4	3,875.69	1/4	3,628.62	1/4	3,290.72	1/4	2,933.75
1/2		1/2		1/2		1/2	4,601.69	1/2	4,363.99	1/2	4,117.60	1/2	3,870.54	1/2	3,623.47	1/2	3,283.30	1/2	2,926.31
3/4		3/4		3/4		3/4	4,598.18	3/4	4,358.87	3/4	4,112.46	3/4	3,865.39	3/4	3,618.33	3/4	3,275.87	3/4	2,918.87
2		2		2		2	4,594.67	2	4,353.76	2	4,107.31	2	3,860.24	2	3,613.18	2	3,268.44	2	2,911.43
1/4		1/4		1/4		1/4	4,591.16	1/4	4,348.64	1/4	4,102.16	1/4	3,855.10	1/4	3,608.03	1/4	3,261.02	1/4	2,903.99
1/2		1/2		1/2		1/2	4,586.65	1/2	4,343.50	1/2	4,097.02	1/2	3,849.95	1/2	3,602.31	1/2	3,253.58	1/2	2,896.55
3/4		3/4		3/4		3/4	4,582.14	3/4	4,338.37	3/4	4,091.87	3/4	3,844.80	3/4	3,596.59	3/4	3,246.14	3/4	2,889.11
3		3		3		3	4,577.63	3	4,333.24	3	4,086.72	3	3,839.66	3	3,590.87	3	3,238.70	3	2,881.67
1/4		1/4		1/4		1/4	4,573.12	1/4	4,328.11	1/4	4,081.57	1/4	3,834.51	1/4	3,585.15	1/4	3,231.27	1/4	2,874.23
1/2		1/2		1/2		1/2	4,568.07	1/2	4,322.97	1/2	4,076.43	1/2	3,829.36	1/2	3,578.29	1/2	3,223.83	1/2	2,866.79
3/4		3/4		3/4		3/4	4,563.03	3/4	4,317.84	3/4	4,071.28	3/4	3,824.21	3/4	3,571.44	3/4	3,216.39	3/4	2,859.35
4		4		4		4	4,557.99	4	4,312.71	4	4,066.13	4	3,819.07	4	3,564.58	4	3,208.95	4	2,851.91
1/4		1/4		1/4		1/4	4,552.95	1/4	4,307.57	1/4	4,060.99	1/4	3,813.92	1/4	3,557.73	1/4	3,201.52	1/4	2,844.47
1/2		1/2		1/2		1/2	4,547.84	1/2	4,302.44	1/2	4,055.84	1/2	3,808.77	1/2	3,550.31	1/2	3,194.08	1/2	2,837.03
3/4		3/4		3/4		3/4	4,542.73	3/4	4,297.31	3/4	4,050.69	3/4	3,803.63	3/4	3,542.89	3/4	3,186.64	3/4	2,829.59
5		5		5		5	4,537.62	5	4,292.18	5	4,045.54	5	3,798.48	5	3,535.48	5	3,179.20	5	2,822.15
1/4		1/4		1/4		1/4	4,532.51	1/4	4,287.04	1/4	4,040.40	1/4	3,793.33	1/4	3,528.06	1/4	3,171.77	1/4	2,814.71
1/2		1/2		1/2		1/2	4,527.41	1/2	4,281.91	1/2	4,035.25	1/2	3,788.18	1/2	3,520.64	1/2	3,164.33	1/2	2,807.27
3/4		3/4		3/4		3/4	4,522.30	3/4	4,276.78	3/4	4,030.10	3/4	3,783.04	3/4	3,513.23	3/4	3,156.89	3/4	2,799.83
6		6		6		6	4,517.19	6	4,271.64	6	4,024.95	6	3,777.89	6	3,505.81	6	3,149.45	6	2,792.39
1/4		1/4		1/4		1/4	4,512.08	1/4	4,266.51	1/4	4,019.81	1/4	3,772.74	1/4	3,498.39	1/4	3,142.02	1/4	2,784.95
1/2		1/2		1/2		1/2	4,506.97	1/2	4,261.38	1/2	4,014.66	1/2	3,767.59	1/2	3,490.98	1/2	3,134.58	1/2	2,777.51
3/4		3/4		3/4		3/4	4,501.86	3/4	4,256.25	3/4	4,009.51	3/4	3,762.45	3/4	3,483.56	3/4	3,127.14	3/4	2,770.07
7		7		7		7	4,496.76	7	4,251.11	7	4,004.37	7	3,757.30	7	3,476.14	7	3,119.70	7	2,762.63
1/4		1/4		1/4		1/4	4,491.65	1/4	4,245.98	1/4	3,999.22	1/4	3,752.15	1/4	3,468.73	1/4	3,112.27	1/4	2,755.19
1/2		1/2		1/2		1/2	4,486.54	1/2	4,240.85	1/2	3,994.07	1/2	3,747.01	1/2	3,461.31	1/2	3,104.83	1/2	2,747.75
3/4		3/4		3/4		3/4	4,481.44	3/4	4,235.71	3/4	3,988.92	3/4	3,741.86	3/4	3,453.89	3/4	3,097.39	3/4	2,740.31
8		8		8		8	4,476.33	8	4,230.58	8	3,983.78	8	3,736.71	8	3,446.48	8	3,089.95	8	2,732.87
1/4		1/4		1/4		1/4	4,471.22	1/4	4,225.45	1/4	3,978.63	1/4	3,731.56	1/4	3,439.06	1/4	3,082.52	1/4	2,725.43
1/2		1/2		1/2		1/2	4,466.12	1/2	4,220.31	1/2	3,973.48	1/2	3,726.42	1/2	3,431.64	1/2	3,075.08	1/2	2,717.99
3/4		3/4		3/4		3/4	4,461.01	3/4	4,215.18	3/4	3,968.34	3/4	3,721.27	3/4	3,424.22	3/4	3,067.64	3/4	2,710.55
9		9		9		9	4,455.91	9	4,210.05	9	3,963.19	9	3,716.12	9	3,416.81	9	3,060.20	9	2,703.11
1/4		1/4		1/4		1/4	4,450.80	1/4	4,204.92	1/4	3,958.04	1/4	3,710.98	1/4	3,409.39	1/4	3,052.77	1/4	2,695.67
1/2		1/2		1/2		1/2	4,445.69	1/2	4,199.78	1/2	3,952.89	1/2	3,705.83	1/2	3,401.97	1/2	3,045.33	1/2	2,688.23
3/4		3/4		3/4		3/4	4,440.59	3/4	4,194.65	3/4	3,947.75	3/4	3,700.68	3/4	3,394.56	3/4	3,037.89	3/4	2,680.79
10		10		10		10	4,435.48	10	4,189.52	10	3,942.60	10	3,695.53	10	3,387.14	10	3,030.45	10	2,673.35
1/4		1/4		1/4		1/4	4,430.38	1/4	4,184.38	1/4	3,937.45	1/4	3,690.39	1/4	3,379.72	1/4	3,023.02	1/4	2,665.91
1/2		1/2		1/2		1/2	4,425.27	1/2	4,179.25	1/2	3,932.31	1/2	3,685.24	1/2	3,372.31	1/2	3,015.58	1/2	2,658.47
3/4		3/4		3/4		3/4	4,420.17	3/4	4,174.12	3/4	3,927.16	3/4	3,680.09	3/4	3,364.89	3/4	3,008.14	3/4	2,651.02
11		11		11		11	4,415.06	11	4,168.99	11	3,922.01	11	3,674.95	11	3,357.47	11	3,000.70	11	2,643.58
1/4		1/4		1/4		1/4	4,409.96	1/4	4,163.85	1/4	3,916.86	1/4	3,669.80	1/4	3,350.06	1/4	2,993.27	1/4	2,636.14
1/2		1/2		1/2		1/2	4,404.85	1/2	4,158.72	1/2	3,911.72	1/2	3,664.65	1/2	3,342.64	1/2	2,985.83	1/2	2,628.70
3/4		3/4		3/4		3/4	4,399.74	3/4	4,153.59	3/4	3,906.57	3/4	3,659.50	3/4	3,335.22	3/4	2,978.39	3/4	2,621.26

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 13'-00" OFF CENTERLINE AND 40'-00" FORWARD OF AFT BULKHEAD

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



# BARGE "HTCO 3140"

## 3 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	2,613.82	0	2,256.35	0	1,898.87	0	1,541.40	0	1,183.92	0	826.99	0	469.54	0	112.07	0		0	
1/4	2,606.37	1/4	2,248.90	1/4	1,891.42	1/4	1,533.95	1/4	1,176.47	1/4	819.56	1/4	462.09	1/4	104.63	1/4		1/4	
1/2	2,598.93	1/2	2,241.45	1/2	1,883.98	1/2	1,526.50	1/2	1,169.03	1/2	812.11	1/2	454.64	1/2	97.18	1/2		1/2	
3/4	2,591.48	3/4	2,234.00	3/4	1,876.53	3/4	1,519.05	3/4	1,161.58	3/4	804.66	3/4	447.20	3/4	89.73	3/4		3/4	
1	2,584.03	1	2,226.56	1	1,869.08	1	1,511.61	1	1,154.13	1	797.21	1	439.75	1	82.28	1		1	
1/4	2,576.58	1/4	2,219.11	1/4	1,861.63	1/4	1,504.16	1/4	1,146.68	1/4	789.77	1/4	432.30	1/4	74.84	1/4		1/4	
1/2	2,569.14	1/2	2,211.66	1/2	1,854.19	1/2	1,496.71	1/2	1,139.24	1/2	782.32	1/2	424.85	1/2	67.85	1/2		1/2	
3/4	2,561.69	3/4	2,204.21	3/4	1,846.74	3/4	1,489.26	3/4	1,131.80	3/4	774.87	3/4	417.41	3/4	60.87	3/4		3/4	
2	2,554.24	2	2,196.77	2	1,839.29	2	1,481.82	2	1,124.35	2	767.43	2	409.96	2	53.89	2		2	
1/4	2,546.79	1/4	2,189.32	1/4	1,831.84	1/4	1,474.37	1/4	1,116.91	1/4	759.98	1/4	402.51	1/4	46.91	1/4		1/4	
1/2	2,539.35	1/2	2,181.87	1/2	1,824.40	1/2	1,466.92	1/2	1,109.47	1/2	752.53	1/2	395.07	1/2	41.32	1/2		1/2	
3/4	2,531.90	3/4	2,174.42	3/4	1,816.95	3/4	1,459.47	3/4	1,102.03	3/4	745.08	3/4	387.62	3/4	35.74	3/4		3/4	
3	2,524.45	3	2,166.98	3	1,809.50	3	1,452.03	3	1,094.59	3	737.64	3	380.17	3	30.15	3		3	
1/4	2,517.01	1/4	2,159.53	1/4	1,802.05	1/4	1,444.58	1/4	1,087.15	1/4	730.19	1/4	372.72	1/4	24.57	1/4		1/4	
1/2	2,509.56	1/2	2,152.08	1/2	1,794.61	1/2	1,437.13	1/2	1,079.72	1/2	722.74	1/2	365.28	1/2	20.85	1/2		1/2	
3/4	2,502.11	3/4	2,144.64	3/4	1,787.16	3/4	1,429.68	3/4	1,072.28	3/4	715.30	3/4	357.83	3/4		3/4		3/4	
4	2,494.66	4	2,137.19	4	1,779.71	4	1,422.24	4	1,064.85	4	707.85	4	350.38	4		4		4	
1/4	2,487.22	1/4	2,129.74	1/4	1,772.27	1/4	1,414.79	1/4	1,057.41	1/4	700.40	1/4	342.94	1/4		1/4		1/4	
1/2	2,479.77	1/2	2,122.29	1/2	1,764.82	1/2	1,407.34	1/2	1,049.98	1/2	692.95	1/2	335.49	1/2		1/2		1/2	
3/4	2,472.32	3/4	2,114.85	3/4	1,757.37	3/4	1,399.90	3/4	1,042.55	3/4	685.51	3/4	328.04	3/4		3/4		3/4	
5	2,464.87	5	2,107.40	5	1,749.92	5	1,392.45	5	1,035.12	5	678.06	5	320.59	5		5		5	
1/4	2,457.43	1/4	2,099.95	1/4	1,742.48	1/4	1,385.00	1/4	1,027.68	1/4	670.61	1/4	313.15	1/4		1/4		1/4	
1/2	2,449.98	1/2	2,092.50	1/2	1,735.03	1/2	1,377.55	1/2	1,020.25	1/2	663.17	1/2	305.70	1/2		1/2		1/2	
3/4	2,442.53	3/4	2,085.06	3/4	1,727.58	3/4	1,370.11	3/4	1,012.82	3/4	655.72	3/4	298.25	3/4		3/4		3/4	
6	2,435.08	6	2,077.61	6	1,720.13	6	1,362.66	6	1,005.39	6	648.27	6	290.81	6		6		6	
1/4	2,427.64	1/4	2,070.16	1/4	1,712.69	1/4	1,355.21	1/4	997.95	1/4	640.82	1/4	283.36	1/4		1/4		1/4	
1/2	2,420.19	1/2	2,062.71	1/2	1,705.24	1/2	1,347.76	1/2	990.52	1/2	633.38	1/2	275.91	1/2		1/2		1/2	
3/4	2,412.74	3/4	2,055.27	3/4	1,697.79	3/4	1,340.32	3/4	983.09	3/4	625.93	3/4	268.46	3/4		3/4		3/4	
7	2,405.29	7	2,047.82	7	1,690.34	7	1,332.87	7	975.66	7	618.48	7	261.02	7		7		7	
1/4	2,397.85	1/4	2,040.37	1/4	1,682.90	1/4	1,325.42	1/4	968.23	1/4	611.03	1/4	253.57	1/4		1/4		1/4	
1/2	2,390.40	1/2	2,032.92	1/2	1,675.45	1/2	1,317.97	1/2	960.79	1/2	603.59	1/2	246.12	1/2		1/2		1/2	
3/4	2,382.95	3/4	2,025.48	3/4	1,668.00	3/4	1,310.53	3/4	953.36	3/4	596.14	3/4	238.67	3/4		3/4		3/4	
8	2,375.50	8	2,018.03	8	1,660.55	8	1,303.08	8	945.93	8	588.69	8	231.23	8		8		8	
1/4	2,368.06	1/4	2,010.58	1/4	1,653.11	1/4	1,295.63	1/4	938.50	1/4	581.25	1/4	223.78	1/4		1/4		1/4	
1/2	2,360.61	1/2	2,003.13	1/2	1,645.66	1/2	1,288.18	1/2	931.06	1/2	573.80	1/2	216.33	1/2		1/2		1/2	
3/4	2,353.16	3/4	1,995.69	3/4	1,638.21	3/4	1,280.74	3/4	923.63	3/4	566.35	3/4	208.89	3/4		3/4		3/4	
9	2,345.72	9	1,988.24	9	1,630.76	9	1,273.29	9	916.20	9	558.90	9	201.44	9		9		9	
1/4	2,338.27	1/4	1,980.79	1/4	1,623.32	1/4	1,265.84	1/4	908.77	1/4	551.46	1/4	193.99	1/4		1/4		1/4	
1/2	2,330.82	1/2	1,973.35	1/2	1,615.87	1/2	1,258.39	1/2	901.34	1/2	544.01	1/2	186.54	1/2		1/2		1/2	
3/4	2,323.37	3/4	1,965.90	3/4	1,608.42	3/4	1,250.95	3/4	893.90	3/4	536.56	3/4	179.10	3/4		3/4		3/4	
10	2,315.93	10	1,958.45	10	1,600.98	10	1,243.50	10	886.47	10	529.12	10	171.65	10		10		10	
1/4	2,308.48	1/4	1,951.00	1/4	1,593.53	1/4	1,236.05	1/4	879.04	1/4	521.67	1/4	164.20	1/4		1/4		1/4	
1/2	2,301.03	1/2	1,943.56	1/2	1,586.08	1/2	1,228.61	1/2	871.61	1/2	514.22	1/2	156.76	1/2		1/2		1/2	
3/4	2,293.58	3/4	1,936.11	3/4	1,578.63	3/4	1,221.16	3/4	864.17	3/4	506.77	3/4	149.31	3/4		3/4		3/4	
11	2,286.14	11	1,928.66	11	1,571.19	11	1,213.71	11	856.74	11	499.33	11	141.86	11		11		11	
1/4	2,278.69	1/4	1,921.21	1/4	1,563.74	1/4	1,206.26	1/4	849.31	1/4	491.88	1/4	134.41	1/4		1/4		1/4	
1/2	2,271.24	1/2	1,913.77	1/2	1,556.29	1/2	1,198.82	1/2	841.87	1/2	484.43	1/2	126.97	1/2		1/2		1/2	
3/4	2,263.79	3/4	1,906.32	3/4	1,548.84	3/4	1,191.37	3/4	834.43	3/4	476.99	3/4	119.52	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/12/2015 CL  
RECALCULATED: 06/16/2020 CL  
REPRINTED: 06/16/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2020

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