



BARGE "HTCO 3101"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 237'-09"

November 6, 2023

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

<http://www.pmacorp.net>





BARGE "HTCO 3101"

1 PORT 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		0	4,685.35	0	4,328.70	0	3,970.81	0	3,612.88	0	3,254.95	0	2,897.00
1/4		1/4		1/4		1/4		1/4	4,677.96	1/4	4,321.26	1/4	3,963.35	1/4	3,605.42	1/4	3,247.49	1/4	2,889.54
1/2		1/2		1/2		1/2		1/2	4,670.56	1/2	4,313.81	1/2	3,955.90	1/2	3,597.97	1/2	3,240.03	1/2	2,882.08
3/4		3/4		3/4		3/4		3/4	5,006.54	3/4	4,663.17	3/4	4,306.36	3/4	3,948.44	3/4	3,590.51	3/4	3,232.58
1		1		1		1		1	5,001.81	1	4,655.77	1	4,298.91	1	3,940.98	1	3,583.05	1	3,225.12
1/4		1/4		1/4		1/4		1/4	4,996.00	1/4	4,648.36	1/4	4,291.46	1/4	3,933.53	1/4	3,575.60	1/4	3,217.66
1/2		1/2		1/2		1/2		1/2	4,990.20	1/2	4,640.94	1/2	4,284.00	1/2	3,926.07	1/2	3,568.14	1/2	3,210.21
3/4		3/4		3/4		3/4		3/4	4,984.40	3/4	4,633.53	3/4	4,276.54	3/4	3,918.61	3/4	3,560.68	3/4	3,202.75
2		2		2		2		2	4,978.60	2	4,626.11	2	4,269.09	2	3,911.16	2	3,553.22	2	3,195.29
1/4		1/4		1/4		1/4		1/4	4,971.80	1/4	4,618.68	1/4	4,261.63	1/4	3,903.70	1/4	3,545.77	1/4	3,187.84
1/2		1/2		1/2		1/2		1/2	4,965.00	1/2	4,611.24	1/2	4,254.17	1/2	3,896.24	1/2	3,538.31	1/2	3,180.38
3/4		3/4		3/4		3/4		3/4	4,958.20	3/4	4,603.81	3/4	4,246.72	3/4	3,888.79	3/4	3,530.85	3/4	3,172.92
3		3		3		3		3	4,951.40	3	4,596.37	3	4,239.26	3	3,881.33	3	3,523.40	3	3,165.47
1/4		1/4		1/4		1/4		1/4	4,944.06	1/4	4,588.94	1/4	4,231.80	1/4	3,873.87	1/4	3,515.94	1/4	3,158.01
1/2		1/2		1/2		1/2		1/2	4,936.73	1/2	4,581.50	1/2	4,224.35	1/2	3,866.41	1/2	3,508.48	1/2	3,150.55
3/4		3/4		3/4		3/4		3/4	4,929.40	3/4	4,574.07	3/4	4,216.89	3/4	3,858.96	3/4	3,501.03	3/4	3,143.10
4		4		4		4		4	4,922.06	4	4,566.63	4	4,209.43	4	3,851.50	4	3,493.57	4	3,135.64
1/4		1/4		1/4		1/4		1/4	4,914.66	1/4	4,559.19	1/4	4,201.98	1/4	3,844.04	1/4	3,486.11	1/4	3,128.18
1/2		1/2		1/2		1/2		1/2	4,907.26	1/2	4,551.76	1/2	4,194.52	1/2	3,836.59	1/2	3,478.66	1/2	3,120.72
3/4		3/4		3/4		3/4		3/4	4,899.87	3/4	4,544.32	3/4	4,187.06	3/4	3,829.13	3/4	3,471.20	3/4	3,113.27
5		5		5		5		5	4,892.47	5	4,536.89	5	4,179.60	5	3,821.67	5	3,463.74	5	3,105.81
1/4		1/4		1/4		1/4		1/4	4,885.07	1/4	4,529.45	1/4	4,172.15	1/4	3,814.22	1/4	3,456.29	1/4	3,098.35
1/2		1/2		1/2		1/2		1/2	4,877.67	1/2	4,522.02	1/2	4,164.69	1/2	3,806.76	1/2	3,448.83	1/2	3,090.90
3/4		3/4		3/4		3/4		3/4	4,870.27	3/4	4,514.58	3/4	4,157.23	3/4	3,799.30	3/4	3,441.37	3/4	3,083.44
6		6		6		6		6	4,862.87	6	4,507.15	6	4,149.78	6	3,791.85	6	3,433.91	6	3,075.98
1/4		1/4		1/4		1/4		1/4	4,855.47	1/4	4,499.71	1/4	4,142.32	1/4	3,784.39	1/4	3,426.46	1/4	3,068.53
1/2		1/2		1/2		1/2		1/2	4,848.07	1/2	4,492.28	1/2	4,134.86	1/2	3,776.93	1/2	3,419.00	1/2	3,061.07
3/4		3/4		3/4		3/4		3/4	4,840.67	3/4	4,484.84	3/4	4,127.41	3/4	3,769.47	3/4	3,411.54	3/4	3,053.61
7		7		7		7		7	4,833.27	7	4,477.41	7	4,119.95	7	3,762.02	7	3,404.09	7	3,046.16
1/4		1/4		1/4		1/4		1/4	4,825.87	1/4	4,469.97	1/4	4,112.49	1/4	3,754.56	1/4	3,396.63	1/4	3,038.70
1/2		1/2		1/2		1/2		1/2	4,818.48	1/2	4,462.54	1/2	4,105.04	1/2	3,747.10	1/2	3,389.17	1/2	3,031.24
3/4		3/4		3/4		3/4		3/4	4,811.08	3/4	4,455.10	3/4	4,097.58	3/4	3,739.65	3/4	3,381.72	3/4	3,023.78
8		8		8		8		8	4,803.68	8	4,447.67	8	4,090.12	8	3,732.19	8	3,374.26	8	3,016.33
1/4		1/4		1/4		1/4		1/4	4,796.28	1/4	4,440.23	1/4	4,082.66	1/4	3,724.73	1/4	3,366.80	1/4	3,008.87
1/2		1/2		1/2		1/2		1/2	4,788.89	1/2	4,432.80	1/2	4,075.21	1/2	3,717.28	1/2	3,359.35	1/2	3,001.41
3/4		3/4		3/4		3/4		3/4	4,781.49	3/4	4,425.36	3/4	4,067.75	3/4	3,709.82	3/4	3,351.89	3/4	2,993.96
9		9		9		9		9	4,774.10	9	4,417.93	9	4,060.29	9	3,702.36	9	3,344.43	9	2,986.50
1/4		1/4		1/4		1/4		1/4	4,766.70	1/4	4,410.49	1/4	4,052.84	1/4	3,694.91	1/4	3,336.97	1/4	2,979.04
1/2		1/2		1/2		1/2		1/2	4,759.31	1/2	4,403.06	1/2	4,045.38	1/2	3,687.45	1/2	3,329.52	1/2	2,971.59
3/4		3/4		3/4		3/4		3/4	4,751.91	3/4	4,395.62	3/4	4,037.92	3/4	3,679.99	3/4	3,322.06	3/4	2,964.13
10		10		10		10		10	4,744.52	10	4,388.19	10	4,030.47	10	3,672.54	10	3,314.60	10	2,956.67
1/4		1/4		1/4		1/4		1/4	4,737.12	1/4	4,380.75	1/4	4,023.01	1/4	3,665.08	1/4	3,307.15	1/4	2,949.22
1/2		1/2		1/2		1/2		1/2	4,729.73	1/2	4,373.31	1/2	4,015.55	1/2	3,657.62	1/2	3,299.69	1/2	2,941.76
3/4		3/4		3/4		3/4		3/4	4,722.33	3/4	4,365.88	3/4	4,008.10	3/4	3,650.16	3/4	3,292.23	3/4	2,934.30
11		11		11		11		11	4,714.94	11	4,358.44	11	4,000.64	11	3,642.71	11	3,284.78	11	2,926.85
1/4		1/4		1/4		1/4		1/4	4,707.54	1/4	4,351.01	1/4	3,993.18	1/4	3,635.25	1/4	3,277.32	1/4	2,919.38
1/2		1/2		1/2		1/2		1/2	4,700.14	1/2	4,343.57	1/2	3,985.72	1/2	3,627.79	1/2	3,269.86	1/2	2,911.92
3/4		3/4		3/4		3/4		3/4	4,692.75	3/4	4,336.14	3/4	3,978.27	3/4	3,620.34	3/4	3,262.41	3/4	2,904.46

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 41'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "HTCO 3101"

1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,538.87	0	2,180.75	0	1,822.63	0	1,464.51	0	1,106.44	0	750.47	0	397.36	0	83.36	0		0	
1/4	2,531.41	1/4	2,173.29	1/4	1,815.17	1/4	1,457.04	1/4	1,099.01	1/4	743.01	1/4	390.39	1/4	77.33	1/4		1/4	
1/2	2,523.95	1/2	2,165.83	1/2	1,807.71	1/2	1,449.58	1/2	1,091.58	1/2	735.55	1/2	383.42	1/2	71.30	1/2		1/2	
3/4	2,516.49	3/4	2,158.37	3/4	1,800.25	3/4	1,442.12	3/4	1,084.15	3/4	728.09	3/4	376.45	3/4	65.27	3/4		3/4	
1	2,509.03	1	2,150.91	1	1,792.78	1	1,434.66	1	1,076.72	1	720.63	1	369.48	1	59.25	1		1	
1/4	2,501.57	1/4	2,143.45	1/4	1,785.32	1/4	1,427.20	1/4	1,069.29	1/4	713.17	1/4	362.58	1/4	53.77	1/4		1/4	
1/2	2,494.11	1/2	2,135.99	1/2	1,777.86	1/2	1,419.74	1/2	1,061.87	1/2	705.71	1/2	355.69	1/2	48.29	1/2		1/2	
3/4	2,486.65	3/4	2,128.53	3/4	1,770.40	3/4	1,412.28	3/4	1,054.44	3/4	698.25	3/4	348.79	3/4	42.81	3/4		3/4	
2	2,479.19	2	2,121.06	2	1,762.94	2	1,404.82	2	1,047.02	2	690.79	2	341.89	2	37.33	2		2	
1/4	2,471.73	1/4	2,113.60	1/4	1,755.48	1/4	1,397.36	1/4	1,039.60	1/4	683.33	1/4	335.07	1/4	33.33	1/4		1/4	
1/2	2,464.27	1/2	2,106.14	1/2	1,748.02	1/2	1,389.90	1/2	1,032.18	1/2	675.87	1/2	328.25	1/2	29.33	1/2		1/2	
3/4	2,456.80	3/4	2,098.68	3/4	1,740.56	3/4	1,382.44	3/4	1,024.77	3/4	668.41	3/4	321.43	3/4	25.33	3/4		3/4	
3	2,449.34	3	2,091.22	3	1,733.10	3	1,374.97	3	1,017.35	3	660.94	3	314.60	3	21.33	3		3	
1/4	2,441.88	1/4	2,083.76	1/4	1,725.64	1/4	1,367.51	1/4	1,009.94	1/4	653.48	1/4	307.86	1/4	18.43	1/4		1/4	
1/2	2,434.42	1/2	2,076.30	1/2	1,718.18	1/2	1,360.05	1/2	1,002.52	1/2	646.02	1/2	301.12	1/2		1/2		1/2	
3/4	2,426.96	3/4	2,068.84	3/4	1,710.71	3/4	1,352.59	3/4	995.11	3/4	638.56	3/4	294.37	3/4		3/4		3/4	
4	2,419.50	4	2,061.38	4	1,703.25	4	1,345.13	4	987.70	4	631.10	4	287.63	4		4		4	
1/4	2,412.04	1/4	2,053.92	1/4	1,695.79	1/4	1,337.67	1/4	980.29	1/4	623.64	1/4	280.97	1/4		1/4		1/4	
1/2	2,404.58	1/2	2,046.46	1/2	1,688.33	1/2	1,330.21	1/2	972.88	1/2	616.18	1/2	274.31	1/2		1/2		1/2	
3/4	2,397.12	3/4	2,038.99	3/4	1,680.87	3/4	1,322.75	3/4	965.47	3/4	608.72	3/4	267.65	3/4		3/4		3/4	
5	2,389.66	5	2,031.53	5	1,673.41	5	1,315.29	5	958.06	5	601.26	5	260.98	5		5		5	
1/4	2,382.20	1/4	2,024.07	1/4	1,665.95	1/4	1,307.83	1/4	950.65	1/4	593.80	1/4	254.40	1/4		1/4		1/4	
1/2	2,374.73	1/2	2,016.61	1/2	1,658.49	1/2	1,300.37	1/2	943.24	1/2	586.34	1/2	247.82	1/2		1/2		1/2	
3/4	2,367.27	3/4	2,009.15	3/4	1,651.03	3/4	1,292.90	3/4	935.83	3/4	578.88	3/4	241.24	3/4		3/4		3/4	
6	2,359.81	6	2,001.69	6	1,643.57	6	1,285.44	6	928.42	6	571.42	6	234.66	6		6		6	
1/4	2,352.35	1/4	1,994.23	1/4	1,636.11	1/4	1,277.98	1/4	921.01	1/4	563.98	1/4	228.16	1/4		1/4		1/4	
1/2	2,344.89	1/2	1,986.77	1/2	1,628.64	1/2	1,270.52	1/2	913.60	1/2	556.54	1/2	221.66	1/2		1/2		1/2	
3/4	2,337.43	3/4	1,979.31	3/4	1,621.18	3/4	1,263.06	3/4	906.19	3/4	549.10	3/4	215.16	3/4		3/4		3/4	
7	2,329.97	7	1,971.85	7	1,613.72	7	1,255.60	7	898.78	7	541.66	7	208.67	7		7		7	
1/4	2,322.51	1/4	1,964.39	1/4	1,606.26	1/4	1,248.14	1/4	891.37	1/4	534.29	1/4	202.25	1/4		1/4		1/4	
1/2	2,315.05	1/2	1,956.92	1/2	1,598.80	1/2	1,240.68	1/2	883.96	1/2	526.91	1/2	195.83	1/2		1/2		1/2	
3/4	2,307.59	3/4	1,949.46	3/4	1,591.34	3/4	1,233.22	3/4	876.55	3/4	519.53	3/4	189.41	3/4		3/4		3/4	
8	2,300.13	8	1,942.00	8	1,583.88	8	1,225.76	8	869.14	8	512.16	8	183.00	8		8		8	
1/4	2,292.67	1/4	1,934.54	1/4	1,576.42	1/4	1,218.30	1/4	861.73	1/4	504.86	1/4	176.65	1/4		1/4		1/4	
1/2	2,285.20	1/2	1,927.08	1/2	1,568.96	1/2	1,210.83	1/2	854.32	1/2	497.56	1/2	170.31	1/2		1/2		1/2	
3/4	2,277.74	3/4	1,919.62	3/4	1,561.50	3/4	1,203.37	3/4	846.91	3/4	490.27	3/4	163.97	3/4		3/4		3/4	
9	2,270.28	9	1,912.16	9	1,554.04	9	1,195.91	9	839.50	9	482.97	9	157.62	9		9		9	
1/4	2,262.82	1/4	1,904.70	1/4	1,546.58	1/4	1,188.45	1/4	832.09	1/4	475.76	1/4	151.35	1/4		1/4		1/4	
1/2	2,255.36	1/2	1,897.24	1/2	1,539.11	1/2	1,180.99	1/2	824.68	1/2	468.54	1/2	145.08	1/2		1/2		1/2	
3/4	2,247.90	3/4	1,889.78	3/4	1,531.65	3/4	1,173.53	3/4	817.27	3/4	461.33	3/4	138.82	3/4		3/4		3/4	
10	2,240.44	10	1,882.32	10	1,524.19	10	1,166.07	10	809.86	10	454.11	10	132.55	10		10		10	
1/4	2,232.98	1/4	1,874.85	1/4	1,516.73	1/4	1,158.61	1/4	802.45	1/4	446.98	1/4	126.36	1/4		1/4		1/4	
1/2	2,225.52	1/2	1,867.39	1/2	1,509.27	1/2	1,151.15	1/2	795.04	1/2	439.84	1/2	120.17	1/2		1/2		1/2	
3/4	2,218.06	3/4	1,859.93	3/4	1,501.81	3/4	1,143.69	3/4	787.63	3/4	432.71	3/4	113.98	3/4		3/4		3/4	
11	2,210.60	11	1,852.47	11	1,494.35	11	1,136.23	11	780.22	11	425.57	11	107.79	11		11		11	
1/4	2,203.13	1/4	1,845.01	1/4	1,486.89	1/4	1,128.78	1/4	772.78	1/4	418.52	1/4	101.68	1/4		1/4		1/4	
1/2	2,195.67	1/2	1,837.55	1/2	1,479.43	1/2	1,121.33	1/2	765.34	1/2	411.47	1/2	95.57	1/2		1/2		1/2	
3/4	2,188.21	3/4	1,830.09	3/4	1,471.97	3/4	1,113.89	3/4	757.91	3/4	404.42	3/4	89.46	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2013 PMA
RECALCULATED: 09/07/2018
VERIFIED: 11/06/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2023

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



BARGE "HTCO 3101"

1 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,547.43	0	2,189.40	0	1,831.37	0	1,473.34	0	1,115.31	0	757.76	0	404.40	0	89.47	0		0	
1/4	2,539.98	1/4	2,181.94	1/4	1,823.91	1/4	1,465.88	1/4	1,107.85	1/4	750.31	1/4	397.34	1/4	83.36	1/4		1/4	
1/2	2,532.52	1/2	2,174.48	1/2	1,816.45	1/2	1,458.42	1/2	1,100.39	1/2	742.85	1/2	390.37	1/2	77.34	1/2		1/2	
3/4	2,525.06	3/4	2,167.03	3/4	1,808.99	3/4	1,450.96	3/4	1,092.93	3/4	735.39	3/4	383.40	3/4	71.31	3/4		3/4	
1	2,517.60	1	2,159.57	1	1,801.53	1	1,443.50	1	1,085.47	1	727.93	1	376.44	1	65.28	1		1	
1/4	2,510.14	1/4	2,152.11	1/4	1,794.08	1/4	1,436.04	1/4	1,078.01	1/4	720.48	1/4	369.47	1/4	59.25	1/4		1/4	
1/2	2,502.68	1/2	2,144.65	1/2	1,786.62	1/2	1,428.58	1/2	1,070.56	1/2	713.02	1/2	362.57	1/2	53.77	1/2		1/2	
3/4	2,495.22	3/4	2,137.19	3/4	1,779.16	3/4	1,421.13	3/4	1,063.10	3/4	705.56	3/4	355.67	3/4	48.30	3/4		3/4	
2	2,487.76	2	2,129.73	2	1,771.70	2	1,413.67	2	1,055.64	2	698.10	2	348.78	2	42.82	2		2	
1/4	2,480.30	1/4	2,122.27	1/4	1,764.24	1/4	1,406.21	1/4	1,048.19	1/4	690.64	1/4	341.88	1/4	37.34	1/4		1/4	
1/2	2,472.84	1/2	2,114.81	1/2	1,756.78	1/2	1,398.75	1/2	1,040.74	1/2	683.18	1/2	335.06	1/2	33.34	1/2		1/2	
3/4	2,465.39	3/4	2,107.35	3/4	1,749.32	3/4	1,391.29	3/4	1,033.28	3/4	675.72	3/4	328.24	3/4	29.34	3/4		3/4	
3	2,457.93	3	2,099.89	3	1,741.86	3	1,383.83	3	1,025.83	3	668.26	3	321.42	3	25.34	3		3	
1/4	2,450.47	1/4	2,092.44	1/4	1,734.40	1/4	1,376.37	1/4	1,018.38	1/4	660.80	1/4	314.60	1/4	21.34	1/4		1/4	
1/2	2,443.01	1/2	2,084.98	1/2	1,726.94	1/2	1,368.91	1/2	1,010.93	1/2	653.35	1/2	307.85	1/2	18.42	1/2		1/2	
3/4	2,435.55	3/4	2,077.52	3/4	1,719.49	3/4	1,361.45	3/4	1,003.48	3/4	645.89	3/4	301.11	3/4		3/4		3/4	
4	2,428.09	4	2,070.06	4	1,712.03	4	1,353.99	4	996.03	4	638.43	4	294.37	4		4		4	
1/4	2,420.63	1/4	2,062.60	1/4	1,704.57	1/4	1,346.54	1/4	988.58	1/4	630.97	1/4	287.63	1/4		1/4		1/4	
1/2	2,413.17	1/2	2,055.14	1/2	1,697.11	1/2	1,339.08	1/2	981.14	1/2	623.51	1/2	280.97	1/2		1/2		1/2	
3/4	2,405.71	3/4	2,047.68	3/4	1,689.65	3/4	1,331.62	3/4	973.69	3/4	616.05	3/4	274.31	3/4		3/4		3/4	
5	2,398.25	5	2,040.22	5	1,682.19	5	1,324.16	5	966.25	5	608.59	5	267.65	5		5		5	
1/4	2,390.80	1/4	2,032.76	1/4	1,674.73	1/4	1,316.70	1/4	958.80	1/4	601.13	1/4	260.98	1/4		1/4		1/4	
1/2	2,383.34	1/2	2,025.30	1/2	1,667.27	1/2	1,309.24	1/2	951.36	1/2	593.68	1/2	254.40	1/2		1/2		1/2	
3/4	2,375.88	3/4	2,017.85	3/4	1,659.81	3/4	1,301.78	3/4	943.91	3/4	586.22	3/4	247.82	3/4		3/4		3/4	
6	2,368.42	6	2,010.39	6	1,652.35	6	1,294.32	6	936.47	6	578.76	6	241.24	6		6		6	
1/4	2,360.96	1/4	2,002.93	1/4	1,644.90	1/4	1,286.86	1/4	929.02	1/4	571.30	1/4	234.66	1/4		1/4		1/4	
1/2	2,353.50	1/2	1,995.47	1/2	1,637.44	1/2	1,279.40	1/2	921.58	1/2	563.87	1/2	228.17	1/2		1/2		1/2	
3/4	2,346.04	3/4	1,988.01	3/4	1,629.98	3/4	1,271.95	3/4	914.13	3/4	556.43	3/4	221.67	3/4		3/4		3/4	
7	2,338.58	7	1,980.55	7	1,622.52	7	1,264.49	7	906.69	7	549.00	7	215.17	7		7		7	
1/4	2,331.12	1/4	1,973.09	1/4	1,615.06	1/4	1,257.03	1/4	899.24	1/4	541.57	1/4	208.67	1/4		1/4		1/4	
1/2	2,323.66	1/2	1,965.63	1/2	1,607.60	1/2	1,249.57	1/2	891.80	1/2	534.20	1/2	202.25	1/2		1/2		1/2	
3/4	2,316.21	3/4	1,958.17	3/4	1,600.14	3/4	1,242.11	3/4	884.35	3/4	526.83	3/4	195.84	3/4		3/4		3/4	
8	2,308.75	8	1,950.71	8	1,592.68	8	1,234.65	8	876.91	8	519.47	8	189.42	8		8		8	
1/4	2,301.29	1/4	1,943.26	1/4	1,585.22	1/4	1,227.19	1/4	869.46	1/4	512.10	1/4	183.00	1/4		1/4		1/4	
1/2	2,293.83	1/2	1,935.80	1/2	1,577.76	1/2	1,219.73	1/2	862.02	1/2	504.81	1/2	176.66	1/2		1/2		1/2	
3/4	2,286.37	3/4	1,928.34	3/4	1,570.31	3/4	1,212.27	3/4	854.57	3/4	497.52	3/4	170.32	3/4		3/4		3/4	
9	2,278.91	9	1,920.88	9	1,562.85	9	1,204.81	9	847.13	9	490.23	9	163.97	9		9		9	
1/4	2,271.45	1/4	1,913.42	1/4	1,555.39	1/4	1,197.36	1/4	839.68	1/4	482.94	1/4	157.63	1/4		1/4		1/4	
1/2	2,263.99	1/2	1,905.96	1/2	1,547.93	1/2	1,189.90	1/2	832.24	1/2	475.72	1/2	151.36	1/2		1/2		1/2	
3/4	2,256.53	3/4	1,898.50	3/4	1,540.47	3/4	1,182.44	3/4	824.79	3/4	468.51	3/4	145.09	3/4		3/4		3/4	
10	2,249.07	10	1,891.04	10	1,533.01	10	1,174.98	10	817.34	10	461.29	10	138.82	10		10		10	
1/4	2,241.62	1/4	1,883.58	1/4	1,525.55	1/4	1,167.52	1/4	809.90	1/4	454.08	1/4	132.55	1/4		1/4		1/4	
1/2	2,234.16	1/2	1,876.12	1/2	1,518.09	1/2	1,160.06	1/2	802.45	1/2	446.95	1/2	126.36	1/2		1/2		1/2	
3/4	2,226.70	3/4	1,868.67	3/4	1,510.63	3/4	1,152.60	3/4	795.01	3/4	439.82	3/4	120.18	3/4		3/4		3/4	
11	2,219.24	11	1,861.21	11	1,503.17	11	1,145.14	11	787.56	11	432.68	11	113.99	11		11		11	
1/4	2,211.78	1/4	1,853.75	1/4	1,495.72	1/4	1,137.68	1/4	780.12	1/4	425.55	1/4	107.80	1/4		1/4		1/4	
1/2	2,204.32	1/2	1,846.29	1/2	1,488.26	1/2	1,130.22	1/2	772.67	1/2	418.50	1/2	101.69	1/2		1/2		1/2	
3/4	2,196.86	3/4	1,838.83	3/4	1,480.80	3/4	1,122.77	3/4	765.21	3/4	411.45	3/4	95.58	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2013 PMA
RECALCULATED: 09/07/2018
VERIFIED: 11/06/2023

PRECISION MEASUREMENT
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CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2023



BARGE "HTCO 3101"

2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,615.27	0	2,255.71	0	1,896.14	0	1,536.58	0	1,177.44	0	831.68	0	472.28	0	112.73	0		0	
1/4	2,607.78	1/4	2,248.22	1/4	1,888.65	1/4	1,529.09	1/4	1,170.09	1/4	824.34	1/4	464.79	1/4	105.24	1/4		1/4	
1/2	2,600.29	1/2	2,240.73	1/2	1,881.16	1/2	1,521.60	1/2	1,162.88	1/2	816.85	1/2	457.30	1/2	97.74	1/2		1/2	
3/4	2,592.80	3/4	2,233.24	3/4	1,873.67	3/4	1,514.11	3/4	1,155.68	3/4	809.36	3/4	449.81	3/4	90.25	3/4		3/4	
1	2,585.31	1	2,225.74	1	1,866.18	1	1,506.62	1	1,148.47	1	801.87	1	442.32	1	82.76	1		1	
1/4	2,577.82	1/4	2,218.25	1/4	1,858.69	1/4	1,499.13	1/4	1,141.26	1/4	794.38	1/4	434.83	1/4	75.27	1/4		1/4	
1/2	2,570.33	1/2	2,210.76	1/2	1,851.20	1/2	1,491.64	1/2	1,134.06	1/2	786.89	1/2	427.34	1/2	68.25	1/2		1/2	
3/4	2,562.83	3/4	2,203.27	3/4	1,843.71	3/4	1,484.15	3/4	1,126.86	3/4	779.40	3/4	419.85	3/4	61.23	3/4		3/4	
2	2,555.34	2	2,195.78	2	1,836.22	2	1,476.65	2	1,119.66	2	771.91	2	412.35	2	54.21	2		2	
1/4	2,547.85	1/4	2,188.29	1/4	1,828.73	1/4	1,469.16	1/4	1,112.46	1/4	764.42	1/4	404.86	1/4	47.18	1/4		1/4	
1/2	2,540.36	1/2	2,180.80	1/2	1,821.24	1/2	1,461.67	1/2	1,105.26	1/2	756.93	1/2	397.37	1/2	41.56	1/2		1/2	
3/4	2,532.87	3/4	2,173.31	3/4	1,813.74	3/4	1,454.18	3/4	1,098.07	3/4	749.44	3/4	389.88	3/4	35.95	3/4		3/4	
3	2,525.38	3	2,165.82	3	1,806.25	3	1,446.69	3	1,090.87	3	741.95	3	382.39	3	30.33	3		3	
1/4	2,517.89	1/4	2,158.33	1/4	1,798.76	1/4	1,439.20	1/4	1,083.68	1/4	734.45	1/4	374.90	1/4	24.71	1/4		1/4	
1/2	2,510.40	1/2	2,150.84	1/2	1,791.27	1/2	1,431.71	1/2	1,076.49	1/2	726.96	1/2	367.41	1/2	20.96	1/2		1/2	
3/4	2,502.91	3/4	2,143.34	3/4	1,783.78	3/4	1,424.22	3/4	1,069.30	3/4	719.47	3/4	359.92	3/4		3/4		3/4	
4	2,495.42	4	2,135.85	4	1,776.29	4	1,416.73	4	1,062.11	4	711.98	4	352.43	4		4		4	
1/4	2,487.93	1/4	2,128.36	1/4	1,768.80	1/4	1,409.24	1/4	1,054.92	1/4	704.49	1/4	344.94	1/4		1/4		1/4	
1/2	2,480.43	1/2	2,120.87	1/2	1,761.31	1/2	1,401.75	1/2	1,047.73	1/2	697.00	1/2	337.45	1/2		1/2		1/2	
3/4	2,472.94	3/4	2,113.38	3/4	1,753.82	3/4	1,394.25	3/4	1,040.55	3/4	689.51	3/4	329.96	3/4		3/4		3/4	
5	2,465.45	5	2,105.89	5	1,746.33	5	1,386.76	5	1,033.36	5	682.02	5	322.47	5		5		5	
1/4	2,457.96	1/4	2,098.40	1/4	1,738.84	1/4	1,379.27	1/4	1,026.17	1/4	674.53	1/4	314.98	1/4		1/4		1/4	
1/2	2,450.47	1/2	2,090.91	1/2	1,731.34	1/2	1,371.78	1/2	1,018.99	1/2	667.04	1/2	307.48	1/2		1/2		1/2	
3/4	2,442.98	3/4	2,083.42	3/4	1,723.85	3/4	1,364.29	3/4	1,011.80	3/4	659.55	3/4	299.99	3/4		3/4		3/4	
6	2,435.49	6	2,075.93	6	1,716.36	6	1,356.80	6	1,004.61	6	652.06	6	292.50	6		6		6	
1/4	2,428.00	1/4	2,068.44	1/4	1,708.87	1/4	1,349.31	1/4	997.43	1/4	644.57	1/4	285.01	1/4		1/4		1/4	
1/2	2,420.51	1/2	2,060.94	1/2	1,701.38	1/2	1,341.82	1/2	990.24	1/2	637.08	1/2	277.52	1/2		1/2		1/2	
3/4	2,413.02	3/4	2,053.45	3/4	1,693.89	3/4	1,334.33	3/4	983.05	3/4	629.58	3/4	270.03	3/4		3/4		3/4	
7	2,405.53	7	2,045.96	7	1,686.40	7	1,326.84	7	975.87	7	622.09	7	262.54	7		7		7	
1/4	2,398.03	1/4	2,038.47	1/4	1,678.91	1/4	1,319.35	1/4	968.68	1/4	614.60	1/4	255.05	1/4		1/4		1/4	
1/2	2,390.54	1/2	2,030.98	1/2	1,671.42	1/2	1,311.85	1/2	961.49	1/2	607.11	1/2	247.56	1/2		1/2		1/2	
3/4	2,383.05	3/4	2,023.49	3/4	1,663.93	3/4	1,304.36	3/4	954.31	3/4	599.62	3/4	240.07	3/4		3/4		3/4	
8	2,375.56	8	2,016.00	8	1,656.44	8	1,296.87	8	947.12	8	592.13	8	232.58	8		8		8	
1/4	2,368.07	1/4	2,008.51	1/4	1,648.94	1/4	1,289.38	1/4	939.93	1/4	584.64	1/4	225.09	1/4		1/4		1/4	
1/2	2,360.58	1/2	2,001.02	1/2	1,641.45	1/2	1,281.89	1/2	932.74	1/2	577.15	1/2	217.60	1/2		1/2		1/2	
3/4	2,353.09	3/4	1,993.53	3/4	1,633.96	3/4	1,274.40	3/4	925.56	3/4	569.66	3/4	210.11	3/4		3/4		3/4	
9	2,345.60	9	1,986.04	9	1,626.47	9	1,266.91	9	918.37	9	562.17	9	202.61	9		9		9	
1/4	2,338.11	1/4	1,978.54	1/4	1,618.98	1/4	1,259.42	1/4	911.18	1/4	554.68	1/4	195.12	1/4		1/4		1/4	
1/2	2,330.62	1/2	1,971.05	1/2	1,611.49	1/2	1,251.93	1/2	904.00	1/2	547.19	1/2	187.63	1/2		1/2		1/2	
3/4	2,323.13	3/4	1,963.56	3/4	1,604.00	3/4	1,244.44	3/4	896.81	3/4	539.70	3/4	180.14	3/4		3/4		3/4	
10	2,315.63	10	1,956.07	10	1,596.51	10	1,236.95	10	889.62	10	532.21	10	172.65	10		10		10	
1/4	2,308.14	1/4	1,948.58	1/4	1,589.02	1/4	1,229.45	1/4	882.44	1/4	524.71	1/4	165.16	1/4		1/4		1/4	
1/2	2,300.65	1/2	1,941.09	1/2	1,581.53	1/2	1,221.96	1/2	875.25	1/2	517.22	1/2	157.67	1/2		1/2		1/2	
3/4	2,293.16	3/4	1,933.60	3/4	1,574.04	3/4	1,214.47	3/4	868.06	3/4	509.73	3/4	150.18	3/4		3/4		3/4	
11	2,285.67	11	1,926.11	11	1,566.54	11	1,206.98	11	860.88	11	502.24	11	142.69	11		11		11	
1/4	2,278.18	1/4	1,918.62	1/4	1,559.05	1/4	1,199.49	1/4	853.69	1/4	494.75	1/4	135.20	1/4		1/4		1/4	
1/2	2,270.69	1/2	1,911.13	1/2	1,551.56	1/2	1,192.14	1/2	846.35	1/2	487.26	1/2	127.71	1/2		1/2		1/2	
3/4	2,263.20	3/4	1,903.64	3/4	1,544.07	3/4	1,184.79	3/4	839.02	3/4	479.77	3/4	120.22	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2013 PMA
RECALCULATED: 09/07/2018
VERIFIED: 11/06/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2023

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



BARGE "HTCO 3101"

2 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		0	4,776.75	0	4,418.67	0	4,059.34	0	3,699.98	0	3,340.61	0	2,981.25
1/4		1/4		1/4		1/4		1/4	4,769.33	1/4	4,411.19	1/4	4,051.86	1/4	3,692.49	1/4	3,333.12	1/4	2,973.76
1/2		1/2		1/2		1/2		1/2	4,761.90	1/2	4,403.72	1/2	4,044.37	1/2	3,685.00	1/2	3,325.64	1/2	2,966.27
3/4		3/4		3/4		3/4		3/4	5,099.23	3/4	4,754.48	3/4	4,396.24	3/4	4,036.88	3/4	3,677.52	3/4	3,318.15
1		1		1		1		1	5,094.48	1	4,747.05	1	4,388.76	1	4,029.40	1	3,670.03	1	3,310.66
1/4		1/4		1/4		1/4		1/4	5,088.65	1/4	4,739.61	1/4	4,381.27	1/4	4,021.91	1/4	3,662.54	1/4	3,303.18
1/2		1/2		1/2		1/2		1/2	5,082.83	1/2	4,732.16	1/2	4,373.79	1/2	4,014.42	1/2	3,655.06	1/2	3,295.69
3/4		3/4		3/4		3/4		3/4	5,077.00	3/4	4,724.72	3/4	4,366.30	3/4	4,006.93	3/4	3,647.57	3/4	3,288.20
2		2		2		2		2	5,071.18	2	4,717.27	2	4,358.81	2	3,999.45	2	3,640.08	2	3,280.72
1/4		1/4		1/4		1/4		1/4	5,064.35	1/4	4,709.81	1/4	4,351.33	1/4	3,991.96	1/4	3,632.59	1/4	3,273.23
1/2		1/2		1/2		1/2		1/2	5,057.52	1/2	4,702.34	1/2	4,343.84	1/2	3,984.47	1/2	3,625.11	1/2	3,265.74
3/4		3/4		3/4		3/4		3/4	5,050.70	3/4	4,694.88	3/4	4,336.35	3/4	3,976.99	3/4	3,617.62	3/4	3,258.25
3		3		3		3		3	5,043.87	3	4,687.41	3	4,328.87	3	3,969.50	3	3,610.13	3	3,250.77
1/4		1/4		1/4		1/4		1/4	5,036.51	1/4	4,679.95	1/4	4,321.38	1/4	3,962.01	1/4	3,602.65	1/4	3,243.28
1/2		1/2		1/2		1/2		1/2	5,029.14	1/2	4,672.48	1/2	4,313.89	1/2	3,954.53	1/2	3,595.16	1/2	3,235.79
3/4		3/4		3/4		3/4		3/4	5,021.78	3/4	4,665.02	3/4	4,306.41	3/4	3,947.04	3/4	3,587.67	3/4	3,228.31
4		4		4		4		4	5,014.42	4	4,657.55	4	4,298.92	4	3,939.55	4	3,580.19	4	3,220.82
1/4		1/4		1/4		1/4		1/4	5,006.99	1/4	4,650.09	1/4	4,291.43	1/4	3,932.07	1/4	3,572.70	1/4	3,213.33
1/2		1/2		1/2		1/2		1/2	4,999.56	1/2	4,642.62	1/2	4,283.95	1/2	3,924.58	1/2	3,565.21	1/2	3,205.85
3/4		3/4		3/4		3/4		3/4	4,992.13	3/4	4,635.16	3/4	4,276.46	3/4	3,917.09	3/4	3,557.73	3/4	3,198.36
5		5		5		5		5	4,984.70	5	4,627.69	5	4,268.97	5	3,909.61	5	3,550.24	5	3,190.87
1/4		1/4		1/4		1/4		1/4	4,977.27	1/4	4,620.23	1/4	4,261.49	1/4	3,902.12	1/4	3,542.75	1/4	3,183.39
1/2		1/2		1/2		1/2		1/2	4,969.84	1/2	4,612.76	1/2	4,254.00	1/2	3,894.63	1/2	3,535.27	1/2	3,175.90
3/4		3/4		3/4		3/4		3/4	4,962.41	3/4	4,605.30	3/4	4,246.51	3/4	3,887.15	3/4	3,527.78	3/4	3,168.41
6		6		6		6		6	4,954.98	6	4,597.83	6	4,239.03	6	3,879.66	6	3,520.29	6	3,160.93
1/4		1/4		1/4		1/4		1/4	4,947.56	1/4	4,590.37	1/4	4,231.54	1/4	3,872.17	1/4	3,512.81	1/4	3,153.44
1/2		1/2		1/2		1/2		1/2	4,940.13	1/2	4,582.90	1/2	4,224.05	1/2	3,864.69	1/2	3,505.32	1/2	3,145.95
3/4		3/4		3/4		3/4		3/4	4,932.70	3/4	4,575.44	3/4	4,216.57	3/4	3,857.20	3/4	3,497.83	3/4	3,138.47
7		7		7		7		7	4,925.27	7	4,567.97	7	4,209.08	7	3,849.71	7	3,490.35	7	3,130.98
1/4		1/4		1/4		1/4		1/4	4,917.84	1/4	4,560.51	1/4	4,201.59	1/4	3,842.23	1/4	3,482.86	1/4	3,123.49
1/2		1/2		1/2		1/2		1/2	4,910.41	1/2	4,553.04	1/2	4,194.10	1/2	3,834.74	1/2	3,475.37	1/2	3,116.01
3/4		3/4		3/4		3/4		3/4	4,902.99	3/4	4,545.58	3/4	4,186.62	3/4	3,827.25	3/4	3,467.89	3/4	3,108.52
8		8		8		8		8	4,895.56	8	4,538.11	8	4,179.13	8	3,819.76	8	3,460.40	8	3,101.03
1/4		1/4		1/4		1/4		1/4	4,888.13	1/4	4,530.65	1/4	4,171.64	1/4	3,812.28	1/4	3,452.91	1/4	3,093.55
1/2		1/2		1/2		1/2		1/2	4,880.71	1/2	4,523.18	1/2	4,164.16	1/2	3,804.79	1/2	3,445.42	1/2	3,086.06
3/4		3/4		3/4		3/4		3/4	4,873.28	3/4	4,515.72	3/4	4,156.67	3/4	3,797.30	3/4	3,437.94	3/4	3,078.57
9		9		9		9		9	4,865.86	9	4,508.25	9	4,149.18	9	3,789.82	9	3,430.45	9	3,071.08
1/4		1/4		1/4		1/4		1/4	4,858.43	1/4	4,500.79	1/4	4,141.70	1/4	3,782.33	1/4	3,422.96	1/4	3,063.60
1/2		1/2		1/2		1/2		1/2	4,851.01	1/2	4,493.32	1/2	4,134.21	1/2	3,774.84	1/2	3,415.48	1/2	3,056.11
3/4		3/4		3/4		3/4		3/4	4,843.58	3/4	4,485.86	3/4	4,126.72	3/4	3,767.36	3/4	3,407.99	3/4	3,048.62
10		10		10		10		10	4,836.16	10	4,478.39	10	4,119.24	10	3,759.87	10	3,400.50	10	3,041.14
1/4		1/4		1/4		1/4		1/4	4,828.73	1/4	4,470.92	1/4	4,111.75	1/4	3,752.38	1/4	3,393.02	1/4	3,033.65
1/2		1/2		1/2		1/2		1/2	4,821.31	1/2	4,463.46	1/2	4,104.26	1/2	3,744.90	1/2	3,385.53	1/2	3,026.16
3/4		3/4		3/4		3/4		3/4	4,813.88	3/4	4,455.99	3/4	4,096.78	3/4	3,737.41	3/4	3,378.04	3/4	3,018.68
11		11		11		11		11	4,806.46	11	4,448.53	11	4,089.29	11	3,729.92	11	3,370.56	11	3,011.19
1/4		1/4		1/4		1/4		1/4	4,799.03	1/4	4,441.06	1/4	4,081.80	1/4	3,722.44	1/4	3,363.07	1/4	3,003.70
1/2		1/2		1/2		1/2		1/2	4,791.60	1/2	4,433.60	1/2	4,074.32	1/2	3,714.95	1/2	3,355.58	1/2	2,996.22
3/4		3/4		3/4		3/4		3/4	4,784.18	3/4	4,426.13	3/4	4,066.83	3/4	3,707.46	3/4	3,348.10	3/4	2,988.73

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "HTCO 3101"

AFT SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-07 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	9	1/4	458	1/4	907	1/4	1,356	1/4	1,805	1/4		1/4		1/4		1/4		1/4	
1/2	19	1/2	468	1/2	917	1/2	1,365	1/2	1,814	1/2		1/2		1/2		1/2		1/2	
3/4	28	3/4	477	3/4	926	3/4	1,375	3/4	1,824	3/4		3/4		3/4		3/4		3/4	
1	37	1	486	1	935	1	1,384	1	1,833	1		1		1		1		1	
1/4	47	1/4	496	1/4	945	1/4	1,393	1/4	1,842	1/4		1/4		1/4		1/4		1/4	
1/2	56	1/2	505	1/2	954	1/2	1,403	1/2	1,852	1/2		1/2		1/2		1/2		1/2	
3/4	65	3/4	514	3/4	963	3/4	1,412	3/4	1,861	3/4		3/4		3/4		3/4		3/4	
2	75	2	524	2	973	2	1,421	2	1,870	2		2		2		2		2	
1/4	84	1/4	533	1/4	982	1/4	1,431	1/4	1,880	1/4		1/4		1/4		1/4		1/4	
1/2	94	1/2	542	1/2	991	1/2	1,440	1/2	1,889	1/2		1/2		1/2		1/2		1/2	
3/4	103	3/4	552	3/4	1,001	3/4	1,450	3/4	1,898	3/4		3/4		3/4		3/4		3/4	
3	112	3	561	3	1,010	3	1,459	3	1,908	3		3		3		3		3	
1/4	122	1/4	571	1/4	1,019	1/4	1,468	1/4	1,917	1/4		1/4		1/4		1/4		1/4	
1/2	131	1/2	580	1/2	1,029	1/2	1,478	1/2	1,926	1/2		1/2		1/2		1/2		1/2	
3/4	140	3/4	589	3/4	1,038	3/4	1,487	3/4	1,936	3/4		3/4		3/4		3/4		3/4	
4	150	4	599	4	1,047	4	1,496	4	1,945	4		4		4		4		4	
1/4	159	1/4	608	1/4	1,057	1/4	1,506	1/4	1,954	1/4		1/4		1/4		1/4		1/4	
1/2	168	1/2	617	1/2	1,066	1/2	1,515	1/2	1,964	1/2		1/2		1/2		1/2		1/2	
3/4	178	3/4	627	3/4	1,075	3/4	1,524	3/4	1,973	3/4		3/4		3/4		3/4		3/4	
5	187	5	636	5	1,085	5	1,534	5	1,982	5		5		5		5		5	
1/4	197	1/4	645	1/4	1,094	1/4	1,543	1/4	1,992	1/4		1/4		1/4		1/4		1/4	
1/2	206	1/2	655	1/2	1,104	1/2	1,552	1/2	2,001	1/2		1/2		1/2		1/2		1/2	
3/4	215	3/4	664	3/4	1,113	3/4	1,562	3/4	2,011	3/4		3/4		3/4		3/4		3/4	
6	225	6	673	6	1,122	6	1,571	6	2,020	6		6		6		6		6	
1/4	234	1/4	683	1/4	1,132	1/4	1,580	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	243	1/2	692	1/2	1,141	1/2	1,590	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	253	3/4	701	3/4	1,150	3/4	1,599	3/4		3/4		3/4		3/4		3/4		3/4	
7	262	7	711	7	1,160	7	1,608	7		7		7		7		7		7	
1/4	271	1/4	720	1/4	1,169	1/4	1,618	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	281	1/2	730	1/2	1,178	1/2	1,627	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	290	3/4	739	3/4	1,188	3/4	1,637	3/4		3/4		3/4		3/4		3/4		3/4	
8	299	8	748	8	1,197	8	1,646	8		8		8		8		8		8	
1/4	309	1/4	758	1/4	1,206	1/4	1,655	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	318	1/2	767	1/2	1,216	1/2	1,665	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	327	3/4	776	3/4	1,225	3/4	1,674	3/4		3/4		3/4		3/4		3/4		3/4	
9	337	9	786	9	1,234	9	1,683	9		9		9		9		9		9	
1/4	346	1/4	795	1/4	1,244	1/4	1,693	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	355	1/2	804	1/2	1,253	1/2	1,702	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	365	3/4	814	3/4	1,262	3/4	1,711	3/4		3/4		3/4		3/4		3/4		3/4	
10	374	10	823	10	1,272	10	1,721	10		10		10		10		10		10	
1/4	384	1/4	832	1/4	1,281	1/4	1,730	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	393	1/2	842	1/2	1,291	1/2	1,739	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	402	3/4	851	3/4	1,300	3/4	1,749	3/4		3/4		3/4		3/4		3/4		3/4	
11	412	11	860	11	1,309	11	1,758	11		11		11		11		11		11	
1/4	421	1/4	870	1/4	1,319	1/4	1,767	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	430	1/2	879	1/2	1,328	1/2	1,777	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	440	3/4	888	3/4	1,337	3/4	1,786	3/4		3/4		3/4		3/4		3/4		3/4	

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 AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

STRAPPED: 08/08/2013 SW CL
CALCULATED: 08/09/2013 CL
VERIFIED: 11/06/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "HTCO 3101"

FWD SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-07 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	449	0	898	0	1,347	0	1,795	0		0		0		0		0	
1/4	9	1/4	458	1/4	907	1/4	1,356	1/4	1,805	1/4		1/4		1/4		1/4		1/4	
1/2	19	1/2	468	1/2	917	1/2	1,365	1/2	1,814	1/2		1/2		1/2		1/2		1/2	
3/4	28	3/4	477	3/4	926	3/4	1,375	3/4	1,824	3/4		3/4		3/4		3/4		3/4	
1	37	1	486	1	935	1	1,384	1	1,833	1		1		1		1		1	
1/4	47	1/4	496	1/4	945	1/4	1,393	1/4	1,842	1/4		1/4		1/4		1/4		1/4	
1/2	56	1/2	505	1/2	954	1/2	1,403	1/2	1,852	1/2		1/2		1/2		1/2		1/2	
3/4	65	3/4	514	3/4	963	3/4	1,412	3/4	1,861	3/4		3/4		3/4		3/4		3/4	
2	75	2	524	2	973	2	1,421	2	1,870	2		2		2		2		2	
1/4	84	1/4	533	1/4	982	1/4	1,431	1/4	1,880	1/4		1/4		1/4		1/4		1/4	
1/2	94	1/2	542	1/2	991	1/2	1,440	1/2	1,889	1/2		1/2		1/2		1/2		1/2	
3/4	103	3/4	552	3/4	1,001	3/4	1,450	3/4	1,898	3/4		3/4		3/4		3/4		3/4	
3	112	3	561	3	1,010	3	1,459	3	1,908	3		3		3		3		3	
1/4	122	1/4	571	1/4	1,019	1/4	1,468	1/4	1,917	1/4		1/4		1/4		1/4		1/4	
1/2	131	1/2	580	1/2	1,029	1/2	1,478	1/2	1,926	1/2		1/2		1/2		1/2		1/2	
3/4	140	3/4	589	3/4	1,038	3/4	1,487	3/4	1,936	3/4		3/4		3/4		3/4		3/4	
4	150	4	599	4	1,047	4	1,496	4	1,945	4		4		4		4		4	
1/4	159	1/4	608	1/4	1,057	1/4	1,506	1/4	1,954	1/4		1/4		1/4		1/4		1/4	
1/2	168	1/2	617	1/2	1,066	1/2	1,515	1/2	1,964	1/2		1/2		1/2		1/2		1/2	
3/4	178	3/4	627	3/4	1,075	3/4	1,524	3/4	1,973	3/4		3/4		3/4		3/4		3/4	
5	187	5	636	5	1,085	5	1,534	5	1,982	5		5		5		5		5	
1/4	197	1/4	645	1/4	1,094	1/4	1,543	1/4	1,992	1/4		1/4		1/4		1/4		1/4	
1/2	206	1/2	655	1/2	1,104	1/2	1,552	1/2	2,001	1/2		1/2		1/2		1/2		1/2	
3/4	215	3/4	664	3/4	1,113	3/4	1,562	3/4	2,011	3/4		3/4		3/4		3/4		3/4	
6	225	6	673	6	1,122	6	1,571	6	2,020	6		6		6		6		6	
1/4	234	1/4	683	1/4	1,132	1/4	1,580	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	243	1/2	692	1/2	1,141	1/2	1,590	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	253	3/4	701	3/4	1,150	3/4	1,599	3/4		3/4		3/4		3/4		3/4		3/4	
7	262	7	711	7	1,160	7	1,608	7		7		7		7		7		7	
1/4	271	1/4	720	1/4	1,169	1/4	1,618	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	281	1/2	730	1/2	1,178	1/2	1,627	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	290	3/4	739	3/4	1,188	3/4	1,637	3/4		3/4		3/4		3/4		3/4		3/4	
8	299	8	748	8	1,197	8	1,646	8		8		8		8		8		8	
1/4	309	1/4	758	1/4	1,206	1/4	1,655	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	318	1/2	767	1/2	1,216	1/2	1,665	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	327	3/4	776	3/4	1,225	3/4	1,674	3/4		3/4		3/4		3/4		3/4		3/4	
9	337	9	786	9	1,234	9	1,683	9		9		9		9		9		9	
1/4	346	1/4	795	1/4	1,244	1/4	1,693	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	355	1/2	804	1/2	1,253	1/2	1,702	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	365	3/4	814	3/4	1,262	3/4	1,711	3/4		3/4		3/4		3/4		3/4		3/4	
10	374	10	823	10	1,272	10	1,721	10		10		10		10		10		10	
1/4	384	1/4	832	1/4	1,281	1/4	1,730	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	393	1/2	842	1/2	1,291	1/2	1,739	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	402	3/4	851	3/4	1,300	3/4	1,749	3/4		3/4		3/4		3/4		3/4		3/4	
11	412	11	860	11	1,309	11	1,758	11		11		11		11		11		11	
1/4	421	1/4	870	1/4	1,319	1/4	1,767	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	430	1/2	879	1/2	1,328	1/2	1,777	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	440	3/4	888	3/4	1,337	3/4	1,786	3/4		3/4		3/4		3/4		3/4		3/4	

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 AT GAUGE POINT.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

STRAPPED: 08/08/2013 SW CL
 CALCULATED: 08/09/2013 CL
 VERIFIED: 11/06/2023

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



BARGE "HTCO 3101"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 3'-11"

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	120	0	298	0	456	0		0		0		0		0		0	
1/4	1	1/4	123	1/4	302	1/4	459	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2	1/2	127	1/2	305	1/2	461	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3	3/4	130	3/4	309	3/4	463	3/4		3/4		3/4		3/4		3/4		3/4	
1	3	1	134	1	313	1	466	1		1		1		1		1		1	
1/4	5	1/4	137	1/4	316	1/4	468	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	6	1/2	141	1/2	320	1/2	470	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	8	3/4	144	3/4	324	3/4	472	3/4		3/4		3/4		3/4		3/4		3/4	
2	9	2	148	2	327	2	475	2		2		2		2		2		2	
1/4	11	1/4	152	1/4	331	1/4	477	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	13	1/2	155	1/2	335	1/2	478	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	15	3/4	159	3/4	338	3/4	480	3/4		3/4		3/4		3/4		3/4		3/4	
3	16	3	162	3	342	3	482	3		3		3		3		3		3	
1/4	19	1/4	166	1/4	346	1/4	484	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	21	1/2	170	1/2	349	1/2	485	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	23	3/4	173	3/4	353	3/4	487	3/4		3/4		3/4		3/4		3/4		3/4	
4	25	4	177	4	356	4	488	4		4		4		4		4		4	
1/4	27	1/4	181	1/4	360	1/4	489	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	30	1/2	185	1/2	363	1/2	490	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	32	3/4	188	3/4	367	3/4	491	3/4		3/4		3/4		3/4		3/4		3/4	
5	35	5	192	5	370	5	492	5		5		5		5		5		5	
1/4	37	1/4	196	1/4	374	1/4	493	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	40	1/2	200	1/2	377	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	42	3/4	203	3/4	381	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	45	6	207	6	384	6		6		6		6		6		6		6	
1/4	48	1/4	211	1/4	387	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	51	1/2	215	1/2	391	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	53	3/4	218	3/4	394	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	56	7	222	7	397	7		7		7		7		7		7		7	
1/4	59	1/4	226	1/4	401	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	62	1/2	230	1/2	404	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	65	3/4	234	3/4	407	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	68	8	237	8	410	8		8		8		8		8		8		8	
1/4	71	1/4	241	1/4	413	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	74	1/2	245	1/2	416	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	77	3/4	249	3/4	420	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	80	9	252	9	423	9		9		9		9		9		9		9	
1/4	83	1/4	256	1/4	426	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	87	1/2	260	1/2	429	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	90	3/4	264	3/4	432	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	93	10	268	10	434	10		10		10		10		10		10		10	
1/4	96	1/4	271	1/4	437	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	100	1/2	275	1/2	440	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	103	3/4	279	3/4	443	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	106	11	283	11	446	11		11		11		11		11		11		11	
1/4	110	1/4	287	1/4	448	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113	1/2	290	1/2	451	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	116	3/4	294	3/4	454	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

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 AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE.

STRAPPED: 08/08/2013 SW CL
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