



BARGE "HTCO 3100"

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

(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 4'-00 1/4"

LENGTH BETWEEN DRAFT MARKS: 237'-09"

September 6, 2023

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HTCO 3100"

1 PORT 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	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	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	3,232.58	1/4	2,874.62
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	3,225.12	1/2	2,867.16
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	3,217.67	3/4	2,859.70
2		2		2		2		2	4,990.21	2	4,640.95	2	4,284.00	2	3,926.07	2	3,210.21	2	2,852.24
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	3,202.75	1/4	2,844.78
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	3,195.30	1/2	2,837.31
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	3,187.84	3/4	2,829.85
3		3		3		3		3	4,965.00	3	4,611.24	3	4,254.18	3	3,896.25	3	3,180.38	3	2,822.39
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	3,172.93	1/4	2,814.93
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	3,165.47	1/2	2,807.47
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	3,158.01	3/4	2,800.01
4		4		4		4		4	4,936.73	4	4,581.50	4	4,224.35	4	3,866.42	4	3,150.56	4	2,792.55
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	3,143.10	1/4	2,785.09
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	3,135.64	1/2	2,777.63
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	3,128.19	3/4	2,770.17
5		5		5		5		5	4,907.27	5	4,551.76	5	4,194.52	5	3,836.59	5	3,120.73	5	2,762.71
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	3,113.27	1/4	2,755.24
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	3,105.81	1/2	2,747.78
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	3,098.36	3/4	2,740.32
6		6		6		6		6	4,877.67	6	4,522.02	6	4,164.69	6	3,806.76	6	3,090.90	6	2,732.86
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	3,083.44	1/4	2,725.40
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	3,075.99	1/2	2,717.94
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	3,068.53	3/4	2,710.48
7		7		7		7		7	4,848.07	7	4,492.28	7	4,134.87	7	3,776.94	7	3,061.07	7	2,703.02
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	3,053.62	1/4	2,695.56
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	3,046.16	1/2	2,688.10
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	3,038.70	3/4	2,680.64
8		8		8		8		8	4,818.48	8	4,462.54	8	4,105.04	8	3,747.11	8	3,031.25	8	2,673.17
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	3,023.79	1/4	2,665.71
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	3,016.33	1/2	2,658.25
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	3,008.87	3/4	2,650.79
9		9		9		9		9	4,788.89	9	4,432.80	9	4,075.21	9	3,717.28	9	3,001.42	9	2,643.33
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	2,635.87
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	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	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" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-07" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "HTCO 3100"

1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,553.80	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		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		1/4	
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		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		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	
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		1/4	
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		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		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		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		1/4	
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		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		3/4	
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		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		1/4	
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		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		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		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		1/4	
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		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		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		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		1/4	
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		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		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		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		1/4	
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		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		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		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		1/4	
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		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		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		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		1/4	
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		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		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		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		1/4	
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		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		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		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		1/4	
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		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		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		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		1/4	
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		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		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/31/2013 CL
RECALCULATED: 09/19/2018 CL
VERIFIED: 09/06/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2023

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



BARGE "HTCO 3100"

1 STBD ULLAGE TABLE

HERMETIC GAUGE HEIGHT 17'-04"

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	4,704.65	0	4,348.47	0	3,990.99	0	3,633.41	0	3,275.84	0	2,918.26
1/4		1/4		1/4		1/4		1/4	4,697.27	1/4	4,341.04	1/4	3,983.54	1/4	3,625.96	1/4	3,268.39	1/4	2,910.81
1/2		1/2		1/2		1/2		1/2	4,689.88	1/2	4,333.62	1/2	3,976.09	1/2	3,618.51	1/2	3,260.94	1/2	2,903.36
3/4		3/4		3/4		3/4		3/4	4,682.49	3/4	4,326.19	3/4	3,968.64	3/4	3,611.06	3/4	3,253.49	3/4	2,895.90
1		1		1		1		1	4,675.10	1	4,318.75	1	3,961.19	1	3,603.61	1	3,246.04	1	2,888.45
1/4		1/4		1/4		1/4		1/4	4,667.71	1/4	4,311.30	1/4	3,953.74	1/4	3,596.17	1/4	3,238.59	1/4	2,881.00
1/2		1/2		1/2		1/2	5,003.35	1/2	4,660.32	1/2	4,303.86	1/2	3,946.29	1/2	3,588.72	1/2	3,231.14	1/2	2,873.54
3/4		3/4		3/4		3/4	4,998.62	3/4	4,652.94	3/4	4,296.42	3/4	3,938.84	3/4	3,581.27	3/4	3,223.69	3/4	2,866.09
2		2		2		2		2	4,992.82	2	4,645.53	2	4,288.97	2	3,931.39	2	3,573.82	2	3,216.24
1/4		1/4		1/4		1/4		1/4	4,987.03	1/4	4,638.12	1/4	4,281.52	1/4	3,923.94	1/4	3,566.37	1/4	3,208.79
1/2		1/2		1/2		1/2		1/2	4,981.23	1/2	4,630.71	1/2	4,274.07	1/2	3,916.49	1/2	3,558.92	1/2	3,201.34
3/4		3/4		3/4		3/4		3/4	4,975.44	3/4	4,623.30	3/4	4,266.62	3/4	3,909.04	3/4	3,551.47	3/4	3,193.89
3		3		3		3		3	4,968.64	3	4,615.88	3	4,259.17	3	3,901.59	3	3,544.02	3	3,186.44
1/4		1/4		1/4		1/4		1/4	4,961.85	1/4	4,608.45	1/4	4,251.72	1/4	3,894.15	1/4	3,536.57	1/4	3,178.99
1/2		1/2		1/2		1/2		1/2	4,955.06	1/2	4,601.02	1/2	4,244.27	1/2	3,886.70	1/2	3,529.12	1/2	3,171.54
3/4		3/4		3/4		3/4		3/4	4,948.27	3/4	4,593.59	3/4	4,236.82	3/4	3,879.25	3/4	3,521.67	3/4	3,164.09
4		4		4		4		4	4,940.94	4	4,586.16	4	4,229.37	4	3,871.80	4	3,514.22	4	3,156.64
1/4		1/4		1/4		1/4		1/4	4,933.62	1/4	4,578.74	1/4	4,221.92	1/4	3,864.35	1/4	3,506.77	1/4	3,149.20
1/2		1/2		1/2		1/2		1/2	4,926.29	1/2	4,571.31	1/2	4,214.47	1/2	3,856.90	1/2	3,499.32	1/2	3,141.75
3/4		3/4		3/4		3/4		3/4	4,918.97	3/4	4,563.88	3/4	4,207.02	3/4	3,849.45	3/4	3,491.87	3/4	3,134.30
5		5		5		5		5	4,911.57	5	4,556.45	5	4,199.57	5	3,842.00	5	3,484.42	5	3,126.85
1/4		1/4		1/4		1/4		1/4	4,904.18	1/4	4,549.03	1/4	4,192.13	1/4	3,834.55	1/4	3,476.97	1/4	3,119.40
1/2		1/2		1/2		1/2		1/2	4,896.79	1/2	4,541.60	1/2	4,184.68	1/2	3,827.10	1/2	3,469.52	1/2	3,111.95
3/4		3/4		3/4		3/4		3/4	4,889.40	3/4	4,534.17	3/4	4,177.23	3/4	3,819.65	3/4	3,462.07	3/4	3,104.50
6		6		6		6		6	4,882.01	6	4,526.74	6	4,169.78	6	3,812.20	6	3,454.62	6	3,097.05
1/4		1/4		1/4		1/4		1/4	4,874.61	1/4	4,519.31	1/4	4,162.33	1/4	3,804.75	1/4	3,447.18	1/4	3,089.60
1/2		1/2		1/2		1/2		1/2	4,867.22	1/2	4,511.89	1/2	4,154.88	1/2	3,797.30	1/2	3,439.73	1/2	3,082.15
3/4		3/4		3/4		3/4		3/4	4,859.83	3/4	4,504.46	3/4	4,147.43	3/4	3,789.85	3/4	3,432.28	3/4	3,074.70
7		7		7		7		7	4,852.44	7	4,497.03	7	4,139.98	7	3,782.40	7	3,424.83	7	3,067.25
1/4		1/4		1/4		1/4		1/4	4,845.05	1/4	4,489.60	1/4	4,132.53	1/4	3,774.95	1/4	3,417.38	1/4	3,059.80
1/2		1/2		1/2		1/2		1/2	4,837.65	1/2	4,482.17	1/2	4,125.08	1/2	3,767.50	1/2	3,409.93	1/2	3,052.35
3/4		3/4		3/4		3/4		3/4	4,830.26	3/4	4,474.75	3/4	4,117.63	3/4	3,760.05	3/4	3,402.48	3/4	3,044.90
8		8		8		8		8	4,822.87	8	4,467.32	8	4,110.18	8	3,752.60	8	3,395.03	8	3,037.45
1/4		1/4		1/4		1/4		1/4	4,815.48	1/4	4,459.89	1/4	4,102.73	1/4	3,745.16	1/4	3,387.58	1/4	3,030.00
1/2		1/2		1/2		1/2		1/2	4,808.09	1/2	4,452.46	1/2	4,095.28	1/2	3,737.71	1/2	3,380.13	1/2	3,022.55
3/4		3/4		3/4		3/4		3/4	4,800.70	3/4	4,445.03	3/4	4,087.83	3/4	3,730.26	3/4	3,372.68	3/4	3,015.10
9		9		9		9		9	4,793.31	9	4,437.61	9	4,080.38	9	3,722.81	9	3,365.23	9	3,007.65
1/4		1/4		1/4		1/4		1/4	4,785.92	1/4	4,430.18	1/4	4,072.93	1/4	3,715.36	1/4	3,357.78	1/4	3,000.21
1/2		1/2		1/2		1/2		1/2	4,778.54	1/2	4,422.75	1/2	4,065.48	1/2	3,707.91	1/2	3,350.33	1/2	2,992.76
3/4		3/4		3/4		3/4		3/4	4,771.15	3/4	4,415.32	3/4	4,058.03	3/4	3,700.46	3/4	3,342.88	3/4	2,985.31
10		10		10		10		10	4,763.76	10	4,407.90	10	4,050.58	10	3,693.01	10	3,335.43	10	2,977.86
1/4		1/4		1/4		1/4		1/4	4,756.37	1/4	4,400.47	1/4	4,043.14	1/4	3,685.56	1/4	3,327.98	1/4	2,970.41
1/2		1/2		1/2		1/2		1/2	4,748.98	1/2	4,393.04	1/2	4,035.69	1/2	3,678.11	1/2	3,320.53	1/2	2,962.96
3/4		3/4		3/4		3/4		3/4	4,741.59	3/4	4,385.61	3/4	4,028.24	3/4	3,670.66	3/4	3,313.08	3/4	2,955.51
11		11		11		11		11	4,734.21	11	4,378.18	11	4,020.79	11	3,663.21	11	3,305.63	11	2,948.06
1/4		1/4		1/4		1/4		1/4	4,726.82	1/4	4,370.76	1/4	4,013.34	1/4	3,655.76	1/4	3,298.19	1/4	2,940.61
1/2		1/2		1/2		1/2		1/2	4,719.43	1/2	4,363.33	1/2	4,005.89	1/2	3,648.31	1/2	3,290.74	1/2	2,933.16
3/4		3/4		3/4		3/4		3/4	4,712.04	3/4	4,355.90	3/4	3,998.44	3/4	3,640.86	3/4	3,283.29	3/4	2,925.71

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'-07" OFF CENTERLINE AND 41'-00" 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 3100"

1 STBD
ULLAGE TABLE
HERMETIC
GAUGE HEIGHT 17'-04"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,560.49	0	2,202.72	0	1,844.95	0	1,487.17	0	1,129.40	0	772.10	0	418.19	0	101.61	0		0	
1/4	2,553.04	1/4	2,195.27	1/4	1,837.49	1/4	1,479.72	1/4	1,121.95	1/4	764.66	1/4	411.15	1/4	95.51	1/4		1/4	
1/2	2,545.58	1/2	2,187.81	1/2	1,830.04	1/2	1,472.27	1/2	1,114.49	1/2	757.21	1/2	404.10	1/2	89.41	1/2		1/2	
3/4	2,538.13	3/4	2,180.36	3/4	1,822.59	3/4	1,464.81	3/4	1,107.04	3/4	749.76	3/4	397.05	3/4	83.30	3/4		3/4	
1	2,530.68	1	2,172.90	1	1,815.13	1	1,457.36	1	1,099.59	1	742.31	1	390.09	1	77.28	1		1	
1/4	2,523.22	1/4	2,165.45	1/4	1,807.68	1/4	1,449.91	1/4	1,092.13	1/4	734.86	1/4	383.12	1/4	71.26	1/4		1/4	
1/2	2,515.77	1/2	2,158.00	1/2	1,800.22	1/2	1,442.45	1/2	1,084.68	1/2	727.40	1/2	376.16	1/2	65.23	1/2		1/2	
3/4	2,508.32	3/4	2,150.54	3/4	1,792.77	3/4	1,435.00	3/4	1,077.23	3/4	719.95	3/4	369.20	3/4	59.21	3/4		3/4	
2	2,500.86	2	2,143.09	2	1,785.32	2	1,427.54	2	1,069.78	2	712.50	2	362.30	2	53.73	2		2	
1/4	2,493.41	1/4	2,135.64	1/4	1,777.86	1/4	1,420.09	1/4	1,062.32	1/4	705.04	1/4	355.41	1/4	48.26	1/4		1/4	
1/2	2,485.96	1/2	2,128.18	1/2	1,770.41	1/2	1,412.64	1/2	1,054.87	1/2	697.59	1/2	348.52	1/2	42.78	1/2		1/2	
3/4	2,478.50	3/4	2,120.73	3/4	1,762.96	3/4	1,405.18	3/4	1,047.42	3/4	690.14	3/4	341.63	3/4	37.31	3/4		3/4	
3	2,471.05	3	2,113.28	3	1,755.50	3	1,397.73	3	1,039.98	3	682.68	3	334.82	3	33.31	3		3	
1/4	2,463.60	1/4	2,105.82	1/4	1,748.05	1/4	1,390.28	1/4	1,032.53	1/4	675.23	1/4	328.00	1/4	29.31	1/4		1/4	
1/2	2,456.14	1/2	2,098.37	1/2	1,740.60	1/2	1,382.82	1/2	1,025.08	1/2	667.78	1/2	321.18	1/2	25.32	1/2		1/2	
3/4	2,448.69	3/4	2,090.92	3/4	1,733.14	3/4	1,375.37	3/4	1,017.64	3/4	660.32	3/4	314.37	3/4	21.32	3/4		3/4	
4	2,441.23	4	2,083.46	4	1,725.69	4	1,367.92	4	1,010.19	4	652.87	4	307.63	4	18.41	4		4	
1/4	2,433.78	1/4	2,076.01	1/4	1,718.24	1/4	1,360.46	1/4	1,002.75	1/4	645.42	1/4	300.89	1/4		1/4		1/4	
1/2	2,426.33	1/2	2,068.55	1/2	1,710.78	1/2	1,353.01	1/2	995.30	1/2	637.96	1/2	294.16	1/2		1/2		1/2	
3/4	2,418.87	3/4	2,061.10	3/4	1,703.33	3/4	1,345.56	3/4	987.86	3/4	630.51	3/4	287.42	3/4		3/4		3/4	
5	2,411.42	5	2,053.65	5	1,695.87	5	1,338.10	5	980.42	5	623.06	5	280.76	5		5		5	
1/4	2,403.97	1/4	2,046.19	1/4	1,688.42	1/4	1,330.65	1/4	972.98	1/4	615.60	1/4	274.11	1/4		1/4		1/4	
1/2	2,396.51	1/2	2,038.74	1/2	1,680.97	1/2	1,323.19	1/2	965.54	1/2	608.15	1/2	267.45	1/2		1/2		1/2	
3/4	2,389.06	3/4	2,031.29	3/4	1,673.51	3/4	1,315.74	3/4	958.10	3/4	600.70	3/4	260.79	3/4		3/4		3/4	
6	2,381.61	6	2,023.83	6	1,666.06	6	1,308.29	6	950.66	6	593.24	6	254.22	6		6		6	
1/4	2,374.15	1/4	2,016.38	1/4	1,658.61	1/4	1,300.83	1/4	943.22	1/4	585.79	1/4	247.64	1/4		1/4		1/4	
1/2	2,366.70	1/2	2,008.93	1/2	1,651.15	1/2	1,293.38	1/2	935.78	1/2	578.34	1/2	241.07	1/2		1/2		1/2	
3/4	2,359.24	3/4	2,001.47	3/4	1,643.70	3/4	1,285.93	3/4	928.34	3/4	570.88	3/4	234.49	3/4		3/4		3/4	
7	2,351.79	7	1,994.02	7	1,636.25	7	1,278.47	7	920.90	7	563.45	7	228.00	7		7		7	
1/4	2,344.34	1/4	1,986.56	1/4	1,628.79	1/4	1,271.02	1/4	913.46	1/4	556.03	1/4	221.50	1/4		1/4		1/4	
1/2	2,336.88	1/2	1,979.11	1/2	1,621.34	1/2	1,263.57	1/2	906.02	1/2	548.60	1/2	215.01	1/2		1/2		1/2	
3/4	2,329.43	3/4	1,971.66	3/4	1,613.88	3/4	1,256.11	3/4	898.58	3/4	541.17	3/4	208.52	3/4		3/4		3/4	
8	2,321.98	8	1,964.20	8	1,606.43	8	1,248.66	8	891.14	8	533.81	8	202.10	8		8		8	
1/4	2,314.52	1/4	1,956.75	1/4	1,598.98	1/4	1,241.20	1/4	883.71	1/4	526.45	1/4	195.69	1/4		1/4		1/4	
1/2	2,307.07	1/2	1,949.30	1/2	1,591.52	1/2	1,233.75	1/2	876.27	1/2	519.09	1/2	189.28	1/2		1/2		1/2	
3/4	2,299.62	3/4	1,941.84	3/4	1,584.07	3/4	1,226.30	3/4	868.83	3/4	511.73	3/4	182.87	3/4		3/4		3/4	
9	2,292.16	9	1,934.39	9	1,576.62	9	1,218.84	9	861.39	9	504.44	9	176.53	9		9		9	
1/4	2,284.71	1/4	1,926.94	1/4	1,569.16	1/4	1,211.39	1/4	853.95	1/4	497.15	1/4	170.19	1/4		1/4		1/4	
1/2	2,277.26	1/2	1,919.48	1/2	1,561.71	1/2	1,203.94	1/2	846.51	1/2	489.87	1/2	163.85	1/2		1/2		1/2	
3/4	2,269.80	3/4	1,912.03	3/4	1,554.26	3/4	1,196.48	3/4	839.07	3/4	482.58	3/4	157.51	3/4		3/4		3/4	
10	2,262.35	10	1,904.58	10	1,546.80	10	1,189.03	10	831.63	10	475.38	10	151.25	10		10		10	
1/4	2,254.89	1/4	1,897.12	1/4	1,539.35	1/4	1,181.58	1/4	824.19	1/4	468.17	1/4	144.99	1/4		1/4		1/4	
1/2	2,247.44	1/2	1,889.67	1/2	1,531.90	1/2	1,174.12	1/2	816.75	1/2	460.96	1/2	138.72	1/2		1/2		1/2	
3/4	2,239.99	3/4	1,882.21	3/4	1,524.44	3/4	1,166.67	3/4	809.31	3/4	453.75	3/4	132.46	3/4		3/4		3/4	
11	2,232.53	11	1,874.76	11	1,516.99	11	1,159.22	11	801.87	11	446.62	11	126.27	11		11		11	
1/4	2,225.08	1/4	1,867.31	1/4	1,509.53	1/4	1,151.76	1/4	794.43	1/4	439.49	1/4	120.09	1/4		1/4		1/4	
1/2	2,217.63	1/2	1,859.85	1/2	1,502.08	1/2	1,144.31	1/2	786.99	1/2	432.37	1/2	113.90	1/2		1/2		1/2	
3/4	2,210.17	3/4	1,852.40	3/4	1,494.63	3/4	1,136.85	3/4	779.55	3/4	425.24	3/4	107.72	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/31/2013 CL
RECALCULATED: 09/19/2018 CL
VERIFIED: 09/06/203 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2023

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



BARGE "HTCO 3100"

2 PORT ULLAGE TABLE

HERMETIC GAUGE HEIGHT 17'-04"

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	4,782.24	0	4,424.49	0	4,065.44	0	3,706.29	0	3,347.14	0	2,987.99		
1/4		1/4		1/4		1/4		1/4	4,774.82	1/4	4,417.03	1/4	4,057.96	1/4	3,698.81	1/4	3,339.66	1/4	2,980.50		
1/2		1/2		1/2		1/2		1/2	4,767.40	1/2	4,409.57	1/2	4,050.48	1/2	3,691.33	1/2	3,332.18	1/2	2,973.02		
3/4		3/4		3/4		3/4		3/4	4,759.98	3/4	4,402.10	3/4	4,043.00	3/4	3,683.85	3/4	3,324.70	3/4	2,965.53		
1		1		1		1		1	4,752.55	1	4,394.63	1	4,035.51	1	3,676.36	1	3,317.21	1	2,958.05		
1/4		1/4		1/4		1/4		1/4	4,745.13	1/4	4,387.16	1/4	4,028.03	1/4	3,668.88	1/4	3,309.73	1/4	2,950.56		
1/2		1/2		1/2		1/2	5,082.27	1/2	4,737.71	1/2	4,379.69	1/2	4,020.55	1/2	3,661.40	1/2	3,302.25	1/2	2,943.07		
3/4		3/4		3/4		3/4	5,077.52	3/4	4,730.29	3/4	4,372.22	3/4	4,013.07	3/4	3,653.92	3/4	3,294.77	3/4	2,935.59		
2		2		2		2		2	4,722.85	2	4,364.74	2	4,005.59	2	3,646.44	2	3,287.28	2	2,928.10		
1/4		1/4		1/4		1/4	5,065.87	1/4	4,715.41	1/4	4,357.25	1/4	3,998.10	1/4	3,638.95	1/4	3,279.80	1/4	2,920.61		
1/2		1/2		1/2		1/2	5,060.05	1/2	4,707.97	1/2	4,349.77	1/2	3,990.62	1/2	3,631.47	1/2	3,272.32	1/2	2,913.13		
3/4		3/4		3/4		3/4	5,054.23	3/4	4,700.53	3/4	4,342.29	3/4	3,983.14	3/4	3,623.99	3/4	3,264.84	3/4	2,905.64		
3		3		3		3		3	5,047.41	3	4,693.07	3	4,334.81	3	3,975.66	3	3,257.36	3	2,898.16		
1/4		1/4		1/4		1/4	5,040.58	1/4	4,685.61	1/4	4,327.32	1/4	3,968.17	1/4	3,609.02	1/4	3,249.87	1/4	2,890.67		
1/2		1/2		1/2		1/2	5,033.76	1/2	4,678.15	1/2	4,319.84	1/2	3,960.69	1/2	3,601.54	1/2	3,242.39	1/2	2,883.18		
3/4		3/4		3/4		3/4	5,026.94	3/4	4,670.69	3/4	4,312.36	3/4	3,953.21	3/4	3,594.06	3/4	3,234.91	3/4	2,875.70		
4		4		4		4		4	5,019.58	4	4,663.23	4	4,304.88	4	3,945.73	4	3,227.43	4	2,868.21		
1/4		1/4		1/4		1/4	5,012.22	1/4	4,655.77	1/4	4,297.40	1/4	3,938.24	1/4	3,579.09	1/4	3,219.94	1/4	2,860.72		
1/2		1/2		1/2		1/2	5,004.86	1/2	4,648.30	1/2	4,289.91	1/2	3,930.76	1/2	3,571.61	1/2	3,212.46	1/2	2,853.24		
3/4		3/4		3/4		3/4	4,997.50	3/4	4,640.84	3/4	4,282.43	3/4	3,923.28	3/4	3,564.13	3/4	3,204.98	3/4	2,845.75		
5		5		5		5		5	4,990.08	5	4,633.38	5	4,274.95	5	3,915.80	5	3,197.50	5	2,838.26		
1/4		1/4		1/4		1/4	4,982.65	1/4	4,625.92	1/4	4,267.47	1/4	3,908.32	1/4	3,549.17	1/4	3,190.01	1/4	2,830.78		
1/2		1/2		1/2		1/2	4,975.23	1/2	4,618.46	1/2	4,259.98	1/2	3,900.83	1/2	3,541.68	1/2	3,182.53	1/2	2,823.29		
3/4		3/4		3/4		3/4	4,967.80	3/4	4,611.00	3/4	4,252.50	3/4	3,893.35	3/4	3,534.20	3/4	3,175.05	3/4	2,815.81		
6		6		6		6		6	4,960.38	6	4,603.54	6	4,245.02	6	3,885.87	6	3,167.57	6	2,808.32		
1/4		1/4		1/4		1/4	4,952.95	1/4	4,596.08	1/4	4,237.54	1/4	3,878.39	1/4	3,519.24	1/4	3,160.09	1/4	2,800.83		
1/2		1/2		1/2		1/2	4,945.53	1/2	4,588.62	1/2	4,230.05	1/2	3,870.90	1/2	3,511.75	1/2	3,152.60	1/2	2,793.35		
3/4		3/4		3/4		3/4	4,938.10	3/4	4,581.16	3/4	4,222.57	3/4	3,863.42	3/4	3,504.27	3/4	3,145.12	3/4	2,785.86		
7		7		7		7		7	4,930.68	7	4,573.70	7	4,215.09	7	3,855.94	7	3,137.64	7	2,778.37		
1/4		1/4		1/4		1/4	4,923.25	1/4	4,566.24	1/4	4,207.61	1/4	3,848.46	1/4	3,489.31	1/4	3,130.16	1/4	2,770.89		
1/2		1/2		1/2		1/2	4,915.83	1/2	4,558.78	1/2	4,200.13	1/2	3,840.97	1/2	3,481.82	1/2	3,122.67	1/2	2,763.40		
3/4		3/4		3/4		3/4	4,908.40	3/4	4,551.32	3/4	4,192.64	3/4	3,833.49	3/4	3,474.34	3/4	3,115.19	3/4	2,755.92		
8		8		8		8		8	4,900.98	8	4,543.86	8	4,185.16	8	3,826.01	8	3,107.71	8	2,748.43		
1/4		1/4		1/4		1/4	4,893.56	1/4	4,536.40	1/4	4,177.68	1/4	3,818.53	1/4	3,459.38	1/4	3,100.23	1/4	2,740.94		
1/2		1/2		1/2		1/2	4,886.13	1/2	4,528.94	1/2	4,170.20	1/2	3,811.05	1/2	3,451.90	1/2	3,092.74	1/2	2,733.46		
3/4		3/4		3/4		3/4	4,878.71	3/4	4,521.47	3/4	4,162.71	3/4	3,803.56	3/4	3,444.41	3/4	3,085.26	3/4	2,725.97		
9		9		9		9		9	4,871.29	9	4,514.01	9	4,155.23	9	3,796.08	9	3,436.93	9	3,077.78	9	2,718.48
1/4		1/4		1/4		1/4	4,863.87	1/4	4,506.55	1/4	4,147.75	1/4	3,788.60	1/4	3,429.45	1/4	3,070.30	1/4	2,711.00		
1/2		1/2		1/2		1/2	4,856.45	1/2	4,499.09	1/2	4,140.27	1/2	3,781.12	1/2	3,421.97	1/2	3,062.82	1/2	2,703.51		
3/4		3/4		3/4		3/4	4,849.03	3/4	4,491.63	3/4	4,132.78	3/4	3,773.63	3/4	3,414.48	3/4	3,055.33	3/4	2,696.02		
10		10		10		10		10	4,841.61	10	4,484.17	10	4,125.30	10	3,766.15	10	3,407.00	10	3,047.85	10	2,688.54
1/4		1/4		1/4		1/4	4,834.18	1/4	4,476.71	1/4	4,117.82	1/4	3,758.67	1/4	3,399.52	1/4	3,400.37	1/4	2,681.05		
1/2		1/2		1/2		1/2	4,826.76	1/2	4,469.25	1/2	4,110.34	1/2	3,751.19	1/2	3,392.04	1/2	3,032.89	1/2	2,673.57		
3/4		3/4		3/4		3/4	4,819.34	3/4	4,461.79	3/4	4,102.86	3/4	3,743.70	3/4	3,384.55	3/4	3,025.40	3/4	2,666.08		
11		11		11		11		11	4,811.92	11	4,454.33	11	4,095.37	11	3,736.22	11	3,377.07	11	3,017.92	11	2,658.59
1/4		1/4		1/4		1/4	4,804.50	1/4	4,446.87	1/4	4,087.89	1/4	3,728.74	1/4	3,369.59	1/4	3,010.44	1/4	2,651.11		
1/2		1/2		1/2		1/2	4,797.08	1/2	4,439.41	1/2	4,080.41	1/2	3,721.26	1/2	3,362.11	1/2	3,002.96	1/2	2,643.62		
3/4		3/4		3/4		3/4	4,789.66	3/4	4,431.95	3/4	4,072.93	3/4	3,713.78	3/4	3,354.63	3/4	2,995.47	3/4	2,636.13		

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'-07" OFF CENTERLINE AND 41'-00" 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 3100"

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

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,628.65	0	2,269.31	0	1,909.96	0	1,550.62	0	1,191.42	0	845.84	0	486.97	0	127.63	0		0	
1/4	2,621.16	1/4	2,261.82	1/4	1,902.48	1/4	1,543.13	1/4	1,184.07	1/4	838.51	1/4	479.48	1/4	120.14	1/4		1/4	
1/2	2,613.68	1/2	2,254.33	1/2	1,894.99	1/2	1,535.65	1/2	1,176.73	1/2	831.18	1/2	471.99	1/2	112.66	1/2		1/2	
3/4	2,606.19	3/4	2,246.85	3/4	1,887.50	3/4	1,528.16	3/4	1,169.38	3/4	823.85	3/4	464.51	3/4	105.17	3/4		3/4	
1	2,598.70	1	2,239.36	1	1,880.02	1	1,520.68	1	1,162.18	1	816.36	1	457.02	1	97.68	1		1	
1/4	2,591.22	1/4	2,231.87	1/4	1,872.53	1/4	1,513.19	1/4	1,154.98	1/4	808.87	1/4	449.54	1/4	90.20	1/4		1/4	
1/2	2,583.73	1/2	2,224.39	1/2	1,865.05	1/2	1,505.70	1/2	1,147.77	1/2	801.39	1/2	442.05	1/2	82.71	1/2		1/2	
3/4	2,576.24	3/4	2,216.90	3/4	1,857.56	3/4	1,498.22	3/4	1,140.57	3/4	793.90	3/4	434.56	3/4	75.23	3/4		3/4	
2	2,568.76	2	2,209.42	2	1,850.07	2	1,490.73	2	1,133.37	2	786.41	2	427.08	2	68.21	2		2	
1/4	2,561.27	1/4	2,201.93	1/4	1,842.59	1/4	1,483.24	1/4	1,126.18	1/4	778.93	1/4	419.59	1/4	61.19	1/4		1/4	
1/2	2,553.79	1/2	2,194.44	1/2	1,835.10	1/2	1,475.76	1/2	1,118.98	1/2	771.44	1/2	412.10	1/2	54.17	1/2		1/2	
3/4	2,546.30	3/4	2,186.96	3/4	1,827.61	3/4	1,468.27	3/4	1,111.78	3/4	763.96	3/4	404.62	3/4	47.15	3/4		3/4	
3	2,538.81	3	2,179.47	3	1,820.13	3	1,460.79	3	1,104.59	3	756.47	3	397.13	3	41.54	3		3	
1/4	2,531.33	1/4	2,171.98	1/4	1,812.64	1/4	1,453.30	1/4	1,097.40	1/4	748.98	1/4	389.65	1/4	35.92	1/4		1/4	
1/2	2,523.84	1/2	2,164.50	1/2	1,805.16	1/2	1,445.81	1/2	1,090.21	1/2	741.50	1/2	382.16	1/2	30.31	1/2		1/2	
3/4	2,516.35	3/4	2,157.01	3/4	1,797.67	3/4	1,438.33	3/4	1,083.02	3/4	734.01	3/4	374.67	3/4	24.69	3/4		3/4	
4	2,508.87	4	2,149.53	4	1,790.18	4	1,430.84	4	1,075.84	4	726.53	4	367.19	4	20.95	4		4	
1/4	2,501.38	1/4	2,142.04	1/4	1,782.70	1/4	1,423.35	1/4	1,068.65	1/4	719.04	1/4	359.70	1/4		1/4		1/4	
1/2	2,493.89	1/2	2,134.55	1/2	1,775.21	1/2	1,415.87	1/2	1,061.47	1/2	711.55	1/2	352.22	1/2		1/2		1/2	
3/4	2,486.41	3/4	2,127.07	3/4	1,767.72	3/4	1,408.38	3/4	1,054.28	3/4	704.07	3/4	344.73	3/4		3/4		3/4	
5	2,478.92	5	2,119.58	5	1,760.24	5	1,400.90	5	1,047.10	5	696.58	5	337.24	5		5		5	
1/4	2,471.44	1/4	2,112.09	1/4	1,752.75	1/4	1,393.41	1/4	1,039.92	1/4	689.09	1/4	329.76	1/4		1/4		1/4	
1/2	2,463.95	1/2	2,104.61	1/2	1,745.26	1/2	1,385.92	1/2	1,032.73	1/2	681.61	1/2	322.27	1/2		1/2		1/2	
3/4	2,456.46	3/4	2,097.12	3/4	1,737.78	3/4	1,378.44	3/4	1,025.55	3/4	674.12	3/4	314.78	3/4		3/4		3/4	
6	2,448.98	6	2,089.63	6	1,730.29	6	1,370.95	6	1,018.37	6	666.64	6	307.30	6		6		6	
1/4	2,441.49	1/4	2,082.15	1/4	1,722.81	1/4	1,363.46	1/4	1,011.19	1/4	659.15	1/4	299.81	1/4		1/4		1/4	
1/2	2,434.00	1/2	2,074.66	1/2	1,715.32	1/2	1,355.98	1/2	1,004.00	1/2	651.66	1/2	292.33	1/2		1/2		1/2	
3/4	2,426.52	3/4	2,067.18	3/4	1,707.83	3/4	1,348.49	3/4	996.82	3/4	644.18	3/4	284.84	3/4		3/4		3/4	
7	2,419.03	7	2,059.69	7	1,700.35	7	1,341.00	7	989.64	7	636.69	7	277.35	7		7		7	
1/4	2,411.55	1/4	2,052.20	1/4	1,692.86	1/4	1,333.52	1/4	982.46	1/4	629.20	1/4	269.87	1/4		1/4		1/4	
1/2	2,404.06	1/2	2,044.72	1/2	1,685.37	1/2	1,326.03	1/2	975.27	1/2	621.72	1/2	262.38	1/2		1/2		1/2	
3/4	2,396.57	3/4	2,037.23	3/4	1,677.89	3/4	1,318.55	3/4	968.09	3/4	614.23	3/4	254.89	3/4		3/4		3/4	
8	2,389.09	8	2,029.74	8	1,670.40	8	1,311.06	8	960.91	8	606.75	8	247.41	8		8		8	
1/4	2,381.60	1/4	2,022.26	1/4	1,662.92	1/4	1,303.57	1/4	953.73	1/4	599.26	1/4	239.92	1/4		1/4		1/4	
1/2	2,374.11	1/2	2,014.77	1/2	1,655.43	1/2	1,296.09	1/2	946.54	1/2	591.77	1/2	232.44	1/2		1/2		1/2	
3/4	2,366.63	3/4	2,007.29	3/4	1,647.94	3/4	1,288.60	3/4	939.36	3/4	584.29	3/4	224.95	3/4		3/4		3/4	
9	2,359.14	9	1,999.80	9	1,640.46	9	1,281.11	9	932.18	9	576.80	9	217.46	9		9		9	
1/4	2,351.66	1/4	1,992.31	1/4	1,632.97	1/4	1,273.63	1/4	925.00	1/4	569.31	1/4	209.98	1/4		1/4		1/4	
1/2	2,344.17	1/2	1,984.83	1/2	1,625.48	1/2	1,266.14	1/2	917.81	1/2	561.83	1/2	202.49	1/2		1/2		1/2	
3/4	2,336.68	3/4	1,977.34	3/4	1,618.00	3/4	1,258.66	3/4	910.63	3/4	554.34	3/4	195.00	3/4		3/4		3/4	
10	2,329.20	10	1,969.85	10	1,610.51	10	1,251.17	10	903.45	10	546.86	10	187.52	10		10		10	
1/4	2,321.71	1/4	1,962.37	1/4	1,603.03	1/4	1,243.68	1/4	896.27	1/4	539.37	1/4	180.03	1/4		1/4		1/4	
1/2	2,314.22	1/2	1,954.88	1/2	1,595.54	1/2	1,236.20	1/2	889.08	1/2	531.88	1/2	172.55	1/2		1/2		1/2	
3/4	2,306.74	3/4	1,947.39	3/4	1,588.05	3/4	1,228.71	3/4	881.90	3/4	524.40	3/4	165.06	3/4		3/4		3/4	
11	2,299.25	11	1,939.91	11	1,580.57	11	1,221.22	11	874.72	11	516.91	11	157.57	11		11		11	
1/4	2,291.76	1/4	1,932.42	1/4	1,573.08	1/4	1,213.74	1/4	867.54	1/4	509.43	1/4	150.09	1/4		1/4		1/4	
1/2	2,284.28	1/2	1,924.94	1/2	1,565.59	1/2	1,206.25	1/2	860.36	1/2	501.94	1/2	142.60	1/2		1/2		1/2	
3/4	2,276.79	3/4	1,917.45	3/4	1,558.11	3/4	1,198.76	3/4	853.17	3/4	494.45	3/4	135.12	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/31/2013 CL
RECALCULATED: 09/19/2018 CL
VERIFIED: 09/06/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "HTCO 3100"

2 STBD ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-04 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,812.13	0	4,454.38	0	4,095.29	0	3,736.06	0	3,376.82	0	3,017.58
1/4		1/4		1/4		1/4		1/4	4,804.71	1/4	4,446.91	1/4	4,087.81	1/4	3,728.57	1/4	3,369.34	1/4	3,010.10
1/2		1/2		1/2		1/2		1/2	4,797.29	1/2	4,439.45	1/2	4,080.33	1/2	3,721.09	1/2	3,361.85	1/2	3,002.61
3/4		3/4		3/4		3/4		3/4	4,789.87	3/4	4,431.99	3/4	4,072.84	3/4	3,713.60	3/4	3,354.37	3/4	2,995.12
1		1		1		1		1	4,782.44	1	4,424.53	1	4,065.36	1	3,706.12	1	3,346.88	1	2,987.64
1/4		1/4		1/4		1/4		1/4	4,775.02	1/4	4,417.07	1/4	4,057.87	1/4	3,698.64	1/4	3,339.40	1/4	2,980.15
1/2		1/2		1/2		1/2		1/2	4,767.60	1/2	4,409.59	1/2	4,050.39	1/2	3,691.15	1/2	3,331.92	1/2	2,972.66
3/4		3/4		3/4		3/4		3/4	4,760.18	3/4	4,402.12	3/4	4,042.90	3/4	3,683.67	3/4	3,324.43	3/4	2,965.17
2		2		2		2	5,097.38	2	4,752.75	2	4,394.65	2	4,035.42	2	3,676.18	2	3,316.95	2	2,957.68
1/4		1/4		1/4		1/4	5,092.63	1/4	4,745.33	1/4	4,387.17	1/4	4,027.94	1/4	3,668.70	1/4	3,309.46	1/4	2,950.20
1/2		1/2		1/2		1/2	5,086.80	1/2	4,737.89	1/2	4,379.69	1/2	4,020.45	1/2	3,661.22	1/2	3,301.98	1/2	2,942.71
3/4		3/4		3/4		3/4	5,080.98	3/4	4,730.45	3/4	4,372.21	3/4	4,012.97	3/4	3,653.73	3/4	3,294.49	3/4	2,935.22
3		3		3		3	5,075.16	3	4,723.00	3	4,364.72	3	4,005.48	3	3,646.25	3	3,287.01	3	2,927.73
1/4		1/4		1/4		1/4	5,069.34	1/4	4,715.56	1/4	4,357.24	1/4	3,998.00	1/4	3,638.76	1/4	3,279.53	1/4	2,920.24
1/2		1/2		1/2		1/2	5,062.51	1/2	4,708.10	1/2	4,349.75	1/2	3,990.52	1/2	3,631.28	1/2	3,272.04	1/2	2,912.76
3/4		3/4		3/4		3/4	5,055.69	3/4	4,700.64	3/4	4,342.27	3/4	3,983.03	3/4	3,623.80	3/4	3,264.56	3/4	2,905.27
4		4		4		4	5,048.86	4	4,693.17	4	4,334.78	4	3,975.55	4	3,616.31	4	3,257.07	4	2,897.78
1/4		1/4		1/4		1/4	5,042.04	1/4	4,685.71	1/4	4,327.30	1/4	3,968.06	1/4	3,608.83	1/4	3,249.59	1/4	2,890.29
1/2		1/2		1/2		1/2	5,034.68	1/2	4,678.25	1/2	4,319.82	1/2	3,960.58	1/2	3,601.34	1/2	3,242.11	1/2	2,882.80
3/4		3/4		3/4		3/4	5,027.32	3/4	4,670.79	3/4	4,312.33	3/4	3,953.10	3/4	3,593.86	3/4	3,234.62	3/4	2,875.31
5		5		5		5	5,019.96	5	4,663.32	5	4,304.85	5	3,945.61	5	3,586.37	5	3,227.14	5	2,867.83
1/4		1/4		1/4		1/4	5,012.60	1/4	4,655.86	1/4	4,297.36	1/4	3,938.13	1/4	3,578.89	1/4	3,219.65	1/4	2,860.34
1/2		1/2		1/2		1/2	5,005.17	1/2	4,648.40	1/2	4,289.88	1/2	3,930.64	1/2	3,571.41	1/2	3,212.17	1/2	2,852.85
3/4		3/4		3/4		3/4	4,997.75	3/4	4,640.94	3/4	4,282.40	3/4	3,923.16	3/4	3,563.92	3/4	3,204.69	3/4	2,845.36
6		6		6		6	4,990.32	6	4,633.48	6	4,274.91	6	3,915.68	6	3,556.44	6	3,197.20	6	2,837.87
1/4		1/4		1/4		1/4	4,982.89	1/4	4,626.01	1/4	4,267.43	1/4	3,908.19	1/4	3,548.95	1/4	3,189.72	1/4	2,830.39
1/2		1/2		1/2		1/2	4,975.47	1/2	4,618.55	1/2	4,259.94	1/2	3,900.71	1/2	3,541.47	1/2	3,182.23	1/2	2,822.90
3/4		3/4		3/4		3/4	4,968.04	3/4	4,611.09	3/4	4,252.46	3/4	3,893.22	3/4	3,533.99	3/4	3,174.75	3/4	2,815.41
7		7		7		7	4,960.61	7	4,603.63	7	4,244.98	7	3,885.74	7	3,526.50	7	3,167.27	7	2,807.92
1/4		1/4		1/4		1/4	4,953.19	1/4	4,596.16	1/4	4,237.49	1/4	3,878.25	1/4	3,519.02	1/4	3,159.78	1/4	2,800.43
1/2		1/2		1/2		1/2	4,945.76	1/2	4,588.70	1/2	4,230.01	1/2	3,870.77	1/2	3,511.53	1/2	3,152.30	1/2	2,792.95
3/4		3/4		3/4		3/4	4,938.33	3/4	4,581.24	3/4	4,222.52	3/4	3,863.29	3/4	3,504.05	3/4	3,144.81	3/4	2,785.46
8		8		8		8	4,930.91	8	4,573.78	8	4,215.04	8	3,855.80	8	3,496.57	8	3,137.33	8	2,777.97
1/4		1/4		1/4		1/4	4,923.48	1/4	4,566.31	1/4	4,207.56	1/4	3,848.32	1/4	3,489.08	1/4	3,129.84	1/4	2,770.48
1/2		1/2		1/2		1/2	4,916.06	1/2	4,558.85	1/2	4,200.07	1/2	3,840.83	1/2	3,481.60	1/2	3,122.36	1/2	2,762.99
3/4		3/4		3/4		3/4	4,908.63	3/4	4,551.39	3/4	4,192.59	3/4	3,833.35	3/4	3,474.11	3/4	3,114.88	3/4	2,755.51
9		9		9		9	4,901.21	9	4,543.93	9	4,185.10	9	3,825.87	9	3,466.63	9	3,107.39	9	2,748.02
1/4		1/4		1/4		1/4	4,893.78	1/4	4,536.46	1/4	4,177.62	1/4	3,818.38	1/4	3,459.14	1/4	3,099.91	1/4	2,740.53
1/2		1/2		1/2		1/2	4,886.36	1/2	4,529.00	1/2	4,170.13	1/2	3,810.90	1/2	3,451.66	1/2	3,092.42	1/2	2,733.04
3/4		3/4		3/4		3/4	4,878.94	3/4	4,521.54	3/4	4,162.65	3/4	3,803.41	3/4	3,444.18	3/4	3,084.94	3/4	2,725.55
10		10		10		10	4,871.51	10	4,514.08	10	4,155.17	10	3,795.93	10	3,436.69	10	3,077.46	10	2,718.06
1/4		1/4		1/4		1/4	4,864.09	1/4	4,506.61	1/4	4,147.68	1/4	3,788.45	1/4	3,429.21	1/4	3,069.97	1/4	2,710.58
1/2		1/2		1/2		1/2	4,856.67	1/2	4,499.15	1/2	4,140.20	1/2	3,780.96	1/2	3,421.72	1/2	3,062.49	1/2	2,703.09
3/4		3/4		3/4		3/4	4,849.25	3/4	4,491.69	3/4	4,132.71	3/4	3,773.48	3/4	3,414.24	3/4	3,055.00	3/4	2,695.60
11		11		11		11	4,841.82	11	4,484.23	11	4,125.23	11	3,765.99	11	3,406.76	11	3,047.52	11	2,688.11
1/4		1/4		1/4		1/4	4,834.40	1/4	4,476.76	1/4	4,117.75	1/4	3,758.51	1/4	3,399.27	1/4	3,040.04	1/4	2,680.62
1/2		1/2		1/2		1/2	4,826.98	1/2	4,469.30	1/2	4,110.26	1/2	3,751.02	1/2	3,391.79	1/2	3,032.55	1/2	2,673.14
3/4		3/4		3/4		3/4	4,819.56	3/4	4,461.84	3/4	4,102.78	3/4	3,743.54	3/4	3,384.30	3/4	3,025.07	3/4	2,665.65

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'-07" OFF CENTERLINE AND 41'-00" 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 3100"

2 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-04 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,658.16	0	2,298.73	0	1,939.30	0	1,579.87	0	1,220.44	0	861.44	0	502.05	0	142.64	0		0	
1/4	2,650.67	1/4	2,291.24	1/4	1,931.81	1/4	1,572.39	1/4	1,212.96	1/4	853.96	1/4	494.57	1/4	135.15	1/4		1/4	
1/2	2,643.18	1/2	2,283.75	1/2	1,924.33	1/2	1,564.90	1/2	1,205.47	1/2	846.48	1/2	487.08	1/2	127.66	1/2		1/2	
3/4	2,635.70	3/4	2,276.27	3/4	1,916.84	3/4	1,557.41	3/4	1,197.98	3/4	839.00	3/4	479.59	3/4	120.17	3/4		3/4	
1	2,628.21	1	2,268.78	1	1,909.35	1	1,549.92	1	1,190.49	1	831.52	1	472.10	1	112.68	1		1	
1/4	2,620.72	1/4	2,261.29	1/4	1,901.86	1/4	1,542.43	1/4	1,183.00	1/4	824.03	1/4	464.62	1/4	105.20	1/4		1/4	
1/2	2,613.23	1/2	2,253.80	1/2	1,894.37	1/2	1,534.94	1/2	1,175.52	1/2	816.55	1/2	457.13	1/2	97.71	1/2		1/2	
3/4	2,605.74	3/4	2,246.31	3/4	1,886.89	3/4	1,527.46	3/4	1,168.03	3/4	809.06	3/4	449.64	3/4	90.22	3/4		3/4	
2	2,598.26	2	2,238.83	2	1,879.40	2	1,519.97	2	1,160.54	2	801.57	2	442.15	2	82.73	2		2	
1/4	2,590.77	1/4	2,231.34	1/4	1,871.91	1/4	1,512.48	1/4	1,153.05	1/4	794.08	1/4	434.66	1/4	75.24	1/4		1/4	
1/2	2,583.28	1/2	2,223.85	1/2	1,864.42	1/2	1,504.99	1/2	1,145.57	1/2	786.60	1/2	427.18	1/2	68.22	1/2		1/2	
3/4	2,575.79	3/4	2,216.36	3/4	1,856.93	3/4	1,497.50	3/4	1,138.08	3/4	779.11	3/4	419.69	3/4	61.20	3/4		3/4	
3	2,568.30	3	2,208.87	3	1,849.45	3	1,490.02	3	1,130.60	3	771.62	3	412.20	3	54.18	3		3	
1/4	2,560.81	1/4	2,201.39	1/4	1,841.96	1/4	1,482.53	1/4	1,123.11	1/4	764.13	1/4	404.71	1/4	47.16	1/4		1/4	
1/2	2,553.33	1/2	2,193.90	1/2	1,834.47	1/2	1,475.04	1/2	1,115.63	1/2	756.64	1/2	397.22	1/2	41.55	1/2		1/2	
3/4	2,545.84	3/4	2,186.41	3/4	1,826.98	3/4	1,467.55	3/4	1,108.15	3/4	749.16	3/4	389.74	3/4	35.93	3/4		3/4	
4	2,538.35	4	2,178.92	4	1,819.49	4	1,460.06	4	1,100.66	4	741.67	4	382.25	4	30.32	4		4	
1/4	2,530.86	1/4	2,171.43	1/4	1,812.00	1/4	1,452.58	1/4	1,093.18	1/4	734.18	1/4	374.76	1/4	24.70	1/4		1/4	
1/2	2,523.37	1/2	2,163.95	1/2	1,804.52	1/2	1,445.09	1/2	1,085.70	1/2	726.69	1/2	367.27	1/2	20.96	1/2		1/2	
3/4	2,515.89	3/4	2,156.46	3/4	1,797.03	3/4	1,437.60	3/4	1,078.22	3/4	719.20	3/4	359.78	3/4		3/4		3/4	
5	2,508.40	5	2,148.97	5	1,789.54	5	1,430.11	5	1,070.74	5	711.72	5	352.30	5		5		5	
1/4	2,500.91	1/4	2,141.48	1/4	1,782.05	1/4	1,422.62	1/4	1,063.26	1/4	704.23	1/4	344.81	1/4		1/4		1/4	
1/2	2,493.42	1/2	2,133.99	1/2	1,774.56	1/2	1,415.14	1/2	1,055.79	1/2	696.74	1/2	337.32	1/2		1/2		1/2	
3/4	2,485.93	3/4	2,126.50	3/4	1,767.08	3/4	1,407.65	3/4	1,048.31	3/4	689.25	3/4	329.83	3/4		3/4		3/4	
6	2,478.45	6	2,119.02	6	1,759.59	6	1,400.16	6	1,040.84	6	681.76	6	322.35	6		6		6	
1/4	2,470.96	1/4	2,111.53	1/4	1,752.10	1/4	1,392.67	1/4	1,033.36	1/4	674.28	1/4	314.86	1/4		1/4		1/4	
1/2	2,463.47	1/2	2,104.04	1/2	1,744.61	1/2	1,385.18	1/2	1,025.89	1/2	666.79	1/2	307.37	1/2		1/2		1/2	
3/4	2,455.98	3/4	2,096.55	3/4	1,737.12	3/4	1,377.69	3/4	1,018.41	3/4	659.30	3/4	299.88	3/4		3/4		3/4	
7	2,448.49	7	2,089.06	7	1,729.64	7	1,370.21	7	1,010.94	7	651.81	7	292.39	7		7		7	
1/4	2,441.00	1/4	2,081.58	1/4	1,722.15	1/4	1,362.72	1/4	1,003.46	1/4	644.32	1/4	284.91	1/4		1/4		1/4	
1/2	2,433.52	1/2	2,074.09	1/2	1,714.66	1/2	1,355.23	1/2	995.99	1/2	636.84	1/2	277.42	1/2		1/2		1/2	
3/4	2,426.03	3/4	2,066.60	3/4	1,707.17	3/4	1,347.74	3/4	988.51	3/4	629.35	3/4	269.93	3/4		3/4		3/4	
8	2,418.54	8	2,059.11	8	1,699.68	8	1,340.25	8	981.04	8	621.86	8	262.44	8		8		8	
1/4	2,411.05	1/4	2,051.62	1/4	1,692.19	1/4	1,332.77	1/4	973.56	1/4	614.37	1/4	254.95	1/4		1/4		1/4	
1/2	2,403.56	1/2	2,044.14	1/2	1,684.71	1/2	1,325.28	1/2	966.09	1/2	606.89	1/2	247.47	1/2		1/2		1/2	
3/4	2,396.08	3/4	2,036.65	3/4	1,677.22	3/4	1,317.79	3/4	958.61	3/4	599.40	3/4	239.98	3/4		3/4		3/4	
9	2,388.59	9	2,029.16	9	1,669.73	9	1,310.30	9	951.14	9	591.91	9	232.49	9		9		9	
1/4	2,381.10	1/4	2,021.67	1/4	1,662.24	1/4	1,302.81	1/4	943.66	1/4	584.42	1/4	225.00	1/4		1/4		1/4	
1/2	2,373.61	1/2	2,014.18	1/2	1,654.75	1/2	1,295.33	1/2	936.19	1/2	576.93	1/2	217.51	1/2		1/2		1/2	
3/4	2,366.12	3/4	2,006.70	3/4	1,647.27	3/4	1,287.84	3/4	928.71	3/4	569.45	3/4	210.03	3/4		3/4		3/4	
10	2,358.64	10	1,999.21	10	1,639.78	10	1,280.35	10	921.24	10	561.96	10	202.54	10		10		10	
1/4	2,351.15	1/4	1,991.72	1/4	1,632.29	1/4	1,272.86	1/4	913.76	1/4	554.47	1/4	195.05	1/4		1/4		1/4	
1/2	2,343.66	1/2	1,984.23	1/2	1,624.80	1/2	1,265.37	1/2	906.29	1/2	546.98	1/2	187.56	1/2		1/2		1/2	
3/4	2,336.17	3/4	1,976.74	3/4	1,617.31	3/4	1,257.89	3/4	898.81	3/4	539.49	3/4	180.08	3/4		3/4		3/4	
11	2,328.68	11	1,969.25	11	1,609.83	11	1,250.40	11	891.34	11	532.01	11	172.59	11		11		11	
1/4	2,321.20	1/4	1,961.77	1/4	1,602.34	1/4	1,242.91	1/4	883.86	1/4	524.52	1/4	165.10	1/4		1/4		1/4	
1/2	2,313.71	1/2	1,954.28	1/2	1,594.85	1/2	1,235.42	1/2	876.39	1/2	517.03	1/2	157.61	1/2		1/2		1/2	
3/4	2,306.22	3/4	1,946.79	3/4	1,587.36	3/4	1,227.93	3/4	868.91	3/4	509.54	3/4	150.12	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/31/2013 CL
RECALCULATED: 09/19/2018 CL
VERIFIED: 09/06/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2023

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



BARGE "HTCO 3100"

3 PORT ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 17'-03 1/2"

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	4,376.59	0	4,130.26	0	3,883.09	0	3,635.88	0	3,309.51	0	2,953.13
1/4		1/4		1/4		1/4		1/4	4,371.48	1/4	4,125.13	1/4	3,877.94	1/4	3,630.73	1/4	3,302.11	1/4	2,945.70
1/2		1/2		1/2		1/2		1/2	4,366.37	1/2	4,119.98	1/2	3,872.79	1/2	3,625.58	1/2	3,294.70	1/2	2,938.27
3/4		3/4		3/4		3/4		3/4	4,361.26	3/4	4,114.84	3/4	3,867.64	3/4	3,620.43	3/4	3,287.29	3/4	2,930.84
1		1		1		1	4,589.72	1	4,356.16	1	4,109.70	1	3,862.49	1	3,615.28	1	3,279.88	1	2,923.41
1/4		1/4		1/4		1/4	4,587.27	1/4	4,351.05	1/4	4,104.56	1/4	3,857.34	1/4	3,610.13	1/4	3,272.48	1/4	2,915.98
1/2		1/2		1/2		1/2	4,583.76	1/2	4,345.93	1/2	4,099.41	1/2	3,852.19	1/2	3,604.98	1/2	3,265.06	1/2	2,908.55
3/4		3/4		3/4		3/4	4,580.24	3/4	4,340.80	3/4	4,094.26	3/4	3,847.04	3/4	3,599.83	3/4	3,257.64	3/4	2,901.12
2		2		2		2	4,576.73	2	4,335.68	2	4,089.11	2	3,841.89	2	3,594.68	2	3,250.23	2	2,893.69
1/4		1/4		1/4		1/4	4,573.22	1/4	4,330.56	1/4	4,083.95	1/4	3,836.74	1/4	3,589.53	1/4	3,242.81	1/4	2,886.26
1/2		1/2		1/2		1/2	4,568.70	1/2	4,325.42	1/2	4,078.80	1/2	3,831.59	1/2	3,583.80	1/2	3,235.38	1/2	2,878.83
3/4		3/4		3/4		3/4	4,564.19	3/4	4,320.29	3/4	4,073.65	3/4	3,826.44	3/4	3,578.08	3/4	3,227.95	3/4	2,871.40
3		3		3		3	4,559.68	3	4,315.15	3	4,068.50	3	3,821.29	3	3,572.35	3	3,220.53	3	2,863.97
1/4		1/4		1/4		1/4	4,555.17	1/4	4,310.02	1/4	4,063.35	1/4	3,816.14	1/4	3,566.63	1/4	3,213.10	1/4	2,856.54
1/2		1/2		1/2		1/2	4,550.12	1/2	4,304.88	1/2	4,058.20	1/2	3,810.99	1/2	3,559.77	1/2	3,205.67	1/2	2,849.11
3/4		3/4		3/4		3/4	4,545.08	3/4	4,299.74	3/4	4,053.05	3/4	3,805.84	3/4	3,552.91	3/4	3,198.24	3/4	2,841.68
4		4		4		4	4,540.03	4	4,294.61	4	4,047.90	4	3,800.69	4	3,546.05	4	3,190.82	4	2,834.25
1/4		1/4		1/4		1/4	4,534.99	1/4	4,289.47	1/4	4,042.75	1/4	3,795.54	1/4	3,539.19	1/4	3,183.39	1/4	2,826.82
1/2		1/2		1/2		1/2	4,529.88	1/2	4,284.34	1/2	4,037.60	1/2	3,790.39	1/2	3,531.77	1/2	3,175.96	1/2	2,819.39
3/4		3/4		3/4		3/4	4,524.77	3/4	4,279.20	3/4	4,032.45	3/4	3,785.24	3/4	3,524.35	3/4	3,168.53	3/4	2,811.96
5		5		5		5	4,519.65	5	4,274.07	5	4,027.30	5	3,780.09	5	3,516.94	5	3,161.11	5	2,804.53
1/4		1/4		1/4		1/4	4,514.54	1/4	4,268.93	1/4	4,022.15	1/4	3,774.94	1/4	3,509.52	1/4	3,153.68	1/4	2,797.10
1/2		1/2		1/2		1/2	4,509.43	1/2	4,263.79	1/2	4,017.00	1/2	3,769.79	1/2	3,502.11	1/2	3,146.25	1/2	2,789.67
3/4		3/4		3/4		3/4	4,504.32	3/4	4,258.66	3/4	4,011.85	3/4	3,764.64	3/4	3,494.69	3/4	3,138.82	3/4	2,782.24
6		6		6		6	4,499.21	6	4,253.52	6	4,006.70	6	3,759.49	6	3,487.28	6	3,131.40	6	2,774.81
1/4		1/4		1/4		1/4	4,494.10	1/4	4,248.39	1/4	4,001.55	1/4	3,754.34	1/4	3,479.87	1/4	3,123.97	1/4	2,767.38
1/2		1/2		1/2		1/2	4,488.99	1/2	4,243.25	1/2	3,996.40	1/2	3,749.19	1/2	3,472.46	1/2	3,116.54	1/2	2,759.95
3/4		3/4		3/4		3/4	4,483.88	3/4	4,238.11	3/4	3,991.25	3/4	3,744.04	3/4	3,465.05	3/4	3,109.11	3/4	2,752.52
7		7		7		7	4,478.77	7	4,232.98	7	3,986.10	7	3,738.88	7	3,457.65	7	3,101.69	7	2,745.09
1/4		1/4		1/4		1/4	4,473.65	1/4	4,227.84	1/4	3,980.95	1/4	3,733.73	1/4	3,450.24	1/4	3,094.26	1/4	2,737.66
1/2		1/2		1/2		1/2	4,468.55	1/2	4,222.71	1/2	3,975.80	1/2	3,728.58	1/2	3,442.83	1/2	3,086.83	1/2	2,730.23
3/4		3/4		3/4		3/4	4,463.44	3/4	4,217.57	3/4	3,970.65	3/4	3,723.43	3/4	3,435.43	3/4	3,079.40	3/4	2,722.80
8		8		8		8	4,458.33	8	4,212.44	8	3,965.50	8	3,718.28	8	3,428.02	8	3,071.98	8	2,715.37
1/4		1/4		1/4		1/4	4,453.22	1/4	4,207.30	1/4	3,960.35	1/4	3,713.13	1/4	3,420.61	1/4	3,064.55	1/4	2,707.94
1/2		1/2		1/2		1/2	4,448.11	1/2	4,202.16	1/2	3,955.20	1/2	3,707.98	1/2	3,413.21	1/2	3,057.12	1/2	2,700.51
3/4		3/4		3/4		3/4	4,443.00	3/4	4,197.03	3/4	3,950.05	3/4	3,702.83	3/4	3,405.80	3/4	3,049.69	3/4	2,693.08
9		9		9		9	4,437.89	9	4,191.89	9	3,944.90	9	3,697.68	9	3,398.39	9	3,042.27	9	2,685.65
1/4		1/4		1/4		1/4	4,432.78	1/4	4,186.76	1/4	3,939.75	1/4	3,692.53	1/4	3,390.99	1/4	3,034.84	1/4	2,678.22
1/2		1/2		1/2		1/2	4,427.67	1/2	4,181.62	1/2	3,934.60	1/2	3,687.38	1/2	3,383.58	1/2	3,027.41	1/2	2,670.79
3/4		3/4		3/4		3/4	4,422.57	3/4	4,176.48	3/4	3,929.45	3/4	3,682.23	3/4	3,376.17	3/4	3,019.98	3/4	2,663.36
10		10		10		10	4,417.46	10	4,171.35	10	3,924.30	10	3,677.08	10	3,368.77	10	3,012.56	10	2,655.93
1/4		1/4		1/4		1/4	4,412.35	1/4	4,166.21	1/4	3,919.15	1/4	3,671.93	1/4	3,361.36	1/4	3,005.13	1/4	2,648.50
1/2		1/2		1/2		1/2	4,407.24	1/2	4,161.08	1/2	3,914.00	1/2	3,666.78	1/2	3,353.95	1/2	2,997.70	1/2	2,641.07
3/4		3/4		3/4		3/4	4,402.13	3/4	4,155.94	3/4	3,908.84	3/4	3,661.63	3/4	3,346.55	3/4	2,990.27	3/4	2,633.64
11		11		11		11	4,397.02	11	4,150.81	11	3,903.69	11	3,656.48	11	3,339.14	11	2,982.85	11	2,626.21
1/4		1/4		1/4		1/4	4,391.91	1/4	4,145.67	1/4	3,898.54	1/4	3,651.33	1/4	3,331.73	1/4	2,975.42	1/4	2,618.78
1/2		1/2		1/2		1/2	4,386.81	1/2	4,140.53	1/2	3,893.39	1/2	3,646.18	1/2	3,324.33	1/2	2,967.99	1/2	2,611.34
3/4		3/4		3/4		3/4	4,381.70	3/4	4,135.40	3/4	3,888.24	3/4	3,641.03	3/4	3,316.92	3/4	2,960.56	3/4	2,603.91

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'-07" OFF CENTERLINE AND 41'-00" 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 3100"

3 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	2,596.47	0	2,240.78	0	1,886.69	0	1,529.72	0	1,173.04	0	826.42	0	469.33	0	112.15	0		0	
1/4	2,589.04	1/4	2,233.40	1/4	1,879.28	1/4	1,522.28	1/4	1,165.70	1/4	819.09	1/4	461.89	1/4	104.70	1/4		1/4	
1/2	2,581.60	1/2	2,226.02	1/2	1,871.85	1/2	1,514.85	1/2	1,158.48	1/2	811.65	1/2	454.45	1/2	97.25	1/2		1/2	
3/4	2,574.16	3/4	2,218.65	3/4	1,864.41	3/4	1,507.41	3/4	1,151.25	3/4	804.21	3/4	447.01	3/4	89.80	3/4		3/4	
1	2,566.73	1	2,211.27	1	1,856.97	1	1,499.97	1	1,144.02	1	796.77	1	439.57	1	82.35	1		1	
1/4	2,559.29	1/4	2,203.90	1/4	1,849.53	1/4	1,492.53	1/4	1,136.80	1/4	789.32	1/4	432.13	1/4	74.90	1/4		1/4	
1/2	2,551.85	1/2	2,196.52	1/2	1,842.10	1/2	1,485.10	1/2	1,129.58	1/2	781.88	1/2	424.69	1/2	67.91	1/2		1/2	
3/4	2,544.41	3/4	2,189.15	3/4	1,834.66	3/4	1,477.66	3/4	1,122.35	3/4	774.44	3/4	417.25	3/4	60.93	3/4		3/4	
2	2,536.98	2	2,181.77	2	1,827.22	2	1,470.22	2	1,115.13	2	767.00	2	409.81	2	53.94	2		2	
1/4	2,529.54	1/4	2,174.40	1/4	1,819.78	1/4	1,462.78	1/4	1,107.91	1/4	759.56	1/4	402.37	1/4	46.95	1/4		1/4	
1/2	2,522.10	1/2	2,167.02	1/2	1,812.35	1/2	1,455.35	1/2	1,100.70	1/2	752.12	1/2	394.93	1/2	41.36	1/2		1/2	
3/4	2,514.67	3/4	2,159.65	3/4	1,804.91	3/4	1,447.91	3/4	1,093.48	3/4	744.67	3/4	387.49	3/4	35.77	3/4		3/4	
3	2,507.23	3	2,152.28	3	1,797.47	3	1,440.47	3	1,086.27	3	737.23	3	380.05	3	30.18	3		3	
1/4	2,499.79	1/4	2,144.90	1/4	1,790.03	1/4	1,433.03	1/4	1,079.05	1/4	729.79	1/4	372.61	1/4	24.59	1/4		1/4	
1/2	2,492.37	1/2	2,137.53	1/2	1,782.60	1/2	1,425.60	1/2	1,071.84	1/2	722.35	1/2	365.17	1/2	20.86	1/2		1/2	
3/4	2,484.95	3/4	2,130.15	3/4	1,775.16	3/4	1,418.16	3/4	1,064.63	3/4	714.91	3/4	357.73	3/4		3/4		3/4	
4	2,477.54	4	2,122.78	4	1,767.72	4	1,410.72	4	1,057.42	4	707.47	4	350.29	4		4		4	
1/4	2,470.12	1/4	2,115.40	1/4	1,760.28	1/4	1,403.28	1/4	1,050.21	1/4	700.02	1/4	342.84	1/4		1/4		1/4	
1/2	2,462.72	1/2	2,108.03	1/2	1,752.85	1/2	1,395.85	1/2	1,043.00	1/2	692.58	1/2	335.40	1/2		1/2		1/2	
3/4	2,455.32	3/4	2,100.65	3/4	1,745.41	3/4	1,388.41	3/4	1,035.79	3/4	685.14	3/4	327.96	3/4		3/4		3/4	
5	2,447.92	5	2,093.28	5	1,737.97	5	1,380.97	5	1,028.58	5	677.70	5	320.52	5		5		5	
1/4	2,440.52	1/4	2,085.90	1/4	1,730.53	1/4	1,373.53	1/4	1,021.37	1/4	670.26	1/4	313.08	1/4		1/4		1/4	
1/2	2,433.12	1/2	2,078.53	1/2	1,723.10	1/2	1,366.10	1/2	1,014.17	1/2	662.81	1/2	305.64	1/2		1/2		1/2	
3/4	2,425.72	3/4	2,071.15	3/4	1,715.66	3/4	1,358.66	3/4	1,006.96	3/4	655.37	3/4	298.20	3/4		3/4		3/4	
6	2,418.32	6	2,063.78	6	1,708.22	6	1,351.22	6	999.75	6	647.93	6	290.76	6		6		6	
1/4	2,410.92	1/4	2,056.41	1/4	1,700.78	1/4	1,343.78	1/4	992.54	1/4	640.49	1/4	283.32	1/4		1/4		1/4	
1/2	2,403.53	1/2	2,049.03	1/2	1,693.35	1/2	1,336.35	1/2	985.34	1/2	633.05	1/2	275.88	1/2		1/2		1/2	
3/4	2,396.13	3/4	2,041.66	3/4	1,685.91	3/4	1,328.91	3/4	978.13	3/4	625.61	3/4	268.44	3/4		3/4		3/4	
7	2,388.73	7	2,034.28	7	1,678.47	7	1,321.47	7	970.92	7	618.16	7	261.00	7		7		7	
1/4	2,381.33	1/4	2,026.91	1/4	1,671.03	1/4	1,314.03	1/4	963.71	1/4	610.72	1/4	253.56	1/4		1/4		1/4	
1/2	2,373.93	1/2	2,019.53	1/2	1,663.60	1/2	1,306.60	1/2	956.51	1/2	603.28	1/2	246.12	1/2		1/2		1/2	
3/4	2,366.53	3/4	2,012.16	3/4	1,656.16	3/4	1,299.16	3/4	949.30	3/4	595.84	3/4	238.68	3/4		3/4		3/4	
8	2,359.13	8	2,004.78	8	1,648.72	8	1,291.72	8	942.09	8	588.40	8	231.24	8		8		8	
1/4	2,351.73	1/4	1,997.41	1/4	1,641.28	1/4	1,284.28	1/4	934.88	1/4	580.96	1/4	223.80	1/4		1/4		1/4	
1/2	2,344.33	1/2	1,990.03	1/2	1,633.85	1/2	1,276.85	1/2	927.67	1/2	573.51	1/2	216.35	1/2		1/2		1/2	
3/4	2,336.93	3/4	1,982.66	3/4	1,626.41	3/4	1,269.41	3/4	920.47	3/4	566.07	3/4	208.91	3/4		3/4		3/4	
9	2,329.54	9	1,975.28	9	1,618.97	9	1,261.97	9	913.26	9	558.63	9	201.47	9		9		9	
1/4	2,322.14	1/4	1,967.91	1/4	1,611.53	1/4	1,254.53	1/4	906.05	1/4	551.19	1/4	194.03	1/4		1/4		1/4	
1/2	2,314.74	1/2	1,960.54	1/2	1,604.10	1/2	1,247.10	1/2	898.84	1/2	543.75	1/2	186.59	1/2		1/2		1/2	
3/4	2,307.34	3/4	1,953.16	3/4	1,596.66	3/4	1,239.66	3/4	891.64	3/4	536.31	3/4	179.14	3/4		3/4		3/4	
10	2,299.94	10	1,945.79	10	1,589.22	10	1,232.22	10	884.43	10	528.86	10	171.70	10		10		10	
1/4	2,292.54	1/4	1,938.41	1/4	1,581.78	1/4	1,224.78	1/4	877.22	1/4	521.42	1/4	164.26	1/4		1/4		1/4	
1/2	2,285.14	1/2	1,931.04	1/2	1,574.35	1/2	1,217.35	1/2	870.01	1/2	513.98	1/2	156.82	1/2		1/2		1/2	
3/4	2,277.74	3/4	1,923.66	3/4	1,566.91	3/4	1,209.91	3/4	862.81	3/4	506.54	3/4	149.37	3/4		3/4		3/4	
11	2,270.34	11	1,916.29	11	1,559.47	11	1,202.47	11	855.60	11	499.10	11	141.93	11		11		11	
1/4	2,262.94	1/4	1,908.91	1/4	1,552.03	1/4	1,195.03	1/4	848.39	1/4	491.66	1/4	134.49	1/4		1/4		1/4	
1/2	2,255.56	1/2	1,901.51	1/2	1,544.60	1/2	1,187.70	1/2	841.07	1/2	484.21	1/2	127.04	1/2		1/2		1/2	
3/4	2,248.17	3/4	1,894.10	3/4	1,537.16	3/4	1,180.37	3/4	833.74	3/4	476.77	3/4	119.60	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/31/2013 CL
RECALCULATED: 09/19/2018 CL
VERIFIED: 09/06/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2023

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



BARGE "HTCO 3100"

3 STBD ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 17'-03 1/2"

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	4,401.59	0	4,155.01	0	3,907.59	0	3,660.13	0	3,333.07	0	2,975.65
1/4		1/4		1/4		1/4		1/4	4,396.47	1/4	4,149.87	1/4	3,902.44	1/4	3,654.98	1/4	3,325.64	1/4	2,968.20
1/2		1/2		1/2		1/2		1/2	4,391.36	1/2	4,144.72	1/2	3,897.28	1/2	3,649.82	1/2	3,318.21	1/2	2,960.74
3/4		3/4		3/4		3/4		3/4	4,386.25	3/4	4,139.57	3/4	3,892.13	3/4	3,644.67	3/4	3,310.78	3/4	2,953.29
1		1		1		1	4,614.94	1	4,381.13	1	4,134.43	1	3,886.97	1	3,639.51	1	3,303.35	1	2,945.84
1/4		1/4		1/4		1/4	4,612.49	1/4	4,376.02	1/4	4,129.28	1/4	3,881.82	1/4	3,634.36	1/4	3,295.93	1/4	2,938.39
1/2		1/2		1/2		1/2	4,608.97	1/2	4,370.89	1/2	4,124.12	1/2	3,876.66	1/2	3,629.20	1/2	3,288.49	1/2	2,930.94
3/4		3/4		3/4		3/4	4,605.45	3/4	4,365.77	3/4	4,118.97	3/4	3,871.51	3/4	3,624.05	3/4	3,281.05	3/4	2,923.48
2		2		2		2	4,601.93	2	4,360.64	2	4,113.81	2	3,866.35	2	3,618.89	2	3,273.61	2	2,916.03
1/4		1/4		1/4		1/4	4,598.42	1/4	4,355.51	1/4	4,108.65	1/4	3,861.20	1/4	3,613.74	1/4	3,266.17	1/4	2,908.58
1/2		1/2		1/2		1/2	4,593.90	1/2	4,350.37	1/2	4,103.50	1/2	3,856.04	1/2	3,608.01	1/2	3,258.72	1/2	2,901.13
3/4		3/4		3/4		3/4	4,589.38	3/4	4,345.23	3/4	4,098.34	3/4	3,850.88	3/4	3,602.28	3/4	3,251.27	3/4	2,893.68
3		3		3		3	4,584.86	3	4,340.09	3	4,093.19	3	3,845.73	3	3,596.55	3	3,243.82	3	2,886.23
1/4		1/4		1/4		1/4	4,580.35	1/4	4,334.95	1/4	4,088.03	1/4	3,840.57	1/4	3,590.82	1/4	3,236.37	1/4	2,878.77
1/2		1/2		1/2		1/2	4,575.30	1/2	4,329.81	1/2	4,082.88	1/2	3,835.42	1/2	3,583.95	1/2	3,228.92	1/2	2,871.32
3/4		3/4		3/4		3/4	4,570.25	3/4	4,324.67	3/4	4,077.72	3/4	3,830.26	3/4	3,577.08	3/4	3,221.47	3/4	2,863.87
4		4		4		4	4,565.20	4	4,319.53	4	4,072.57	4	3,825.11	4	3,570.22	4	3,214.02	4	2,856.42
1/4		1/4		1/4		1/4	4,560.15	1/4	4,314.38	1/4	4,067.41	1/4	3,819.95	1/4	3,563.35	1/4	3,206.58	1/4	2,848.97
1/2		1/2		1/2		1/2	4,555.03	1/2	4,309.24	1/2	4,062.26	1/2	3,814.80	1/2	3,555.92	1/2	3,199.13	1/2	2,841.51
3/4		3/4		3/4		3/4	4,549.91	3/4	4,304.10	3/4	4,057.10	3/4	3,809.64	3/4	3,548.49	3/4	3,191.68	3/4	2,834.06
5		5		5		5	4,544.80	5	4,298.96	5	4,051.94	5	3,804.49	5	3,541.07	5	3,184.23	5	2,826.61
1/4		1/4		1/4		1/4	4,539.68	1/4	4,293.82	1/4	4,046.79	1/4	3,799.33	1/4	3,533.64	1/4	3,176.78	1/4	2,819.16
1/2		1/2		1/2		1/2	4,534.56	1/2	4,288.68	1/2	4,041.63	1/2	3,794.17	1/2	3,526.21	1/2	3,169.33	1/2	2,811.71
3/4		3/4		3/4		3/4	4,529.45	3/4	4,283.54	3/4	4,036.48	3/4	3,789.02	3/4	3,518.78	3/4	3,161.88	3/4	2,804.25
6		6		6		6	4,524.33	6	4,278.40	6	4,031.32	6	3,783.86	6	3,511.35	6	3,154.43	6	2,796.80
1/4		1/4		1/4		1/4	4,519.22	1/4	4,273.26	1/4	4,026.17	1/4	3,778.71	1/4	3,503.92	1/4	3,146.98	1/4	2,789.35
1/2		1/2		1/2		1/2	4,514.10	1/2	4,268.12	1/2	4,021.01	1/2	3,773.55	1/2	3,496.49	1/2	3,139.53	1/2	2,781.90
3/4		3/4		3/4		3/4	4,508.98	3/4	4,262.97	3/4	4,015.86	3/4	3,768.40	3/4	3,489.07	3/4	3,132.08	3/4	2,774.45
7		7		7		7	4,503.87	7	4,257.83	7	4,010.70	7	3,763.24	7	3,481.64	7	3,124.63	7	2,766.99
1/4		1/4		1/4		1/4	4,498.75	1/4	4,252.69	1/4	4,005.55	1/4	3,758.09	1/4	3,474.21	1/4	3,117.19	1/4	2,759.54
1/2		1/2		1/2		1/2	4,493.64	1/2	4,247.55	1/2	4,000.39	1/2	3,752.93	1/2	3,466.78	1/2	3,109.74	1/2	2,752.09
3/4		3/4		3/4		3/4	4,488.52	3/4	4,242.41	3/4	3,995.24	3/4	3,747.78	3/4	3,459.35	3/4	3,102.29	3/4	2,744.64
8		8		8		8	4,483.41	8	4,237.27	8	3,990.08	8	3,742.62	8	3,451.92	8	3,094.84	8	2,737.19
1/4		1/4		1/4		1/4	4,478.29	1/4	4,232.13	1/4	3,984.92	1/4	3,737.47	1/4	3,444.50	1/4	3,087.39	1/4	2,729.74
1/2		1/2		1/2		1/2	4,473.18	1/2	4,226.99	1/2	3,979.77	1/2	3,732.31	1/2	3,437.07	1/2	3,079.94	1/2	2,722.28
3/4		3/4		3/4		3/4	4,468.06	3/4	4,221.85	3/4	3,974.61	3/4	3,727.15	3/4	3,429.64	3/4	3,072.49	3/4	2,714.83
9		9		9		9	4,462.95	9	4,216.71	9	3,969.46	9	3,722.00	9	3,422.21	9	3,065.04	9	2,707.38
1/4		1/4		1/4		1/4	4,457.84	1/4	4,211.56	1/4	3,964.30	1/4	3,716.84	1/4	3,414.78	1/4	3,057.59	1/4	2,699.93
1/2		1/2		1/2		1/2	4,452.72	1/2	4,206.42	1/2	3,959.15	1/2	3,711.69	1/2	3,407.35	1/2	3,050.14	1/2	2,692.48
3/4		3/4		3/4		3/4	4,447.61	3/4	4,201.28	3/4	3,953.99	3/4	3,706.53	3/4	3,399.92	3/4	3,042.69	3/4	2,685.02
10		10		10		10	4,442.50	10	4,196.14	10	3,948.84	10	3,701.38	10	3,392.50	10	3,035.24	10	2,677.57
1/4		1/4		1/4		1/4	4,437.38	1/4	4,191.00	1/4	3,943.68	1/4	3,696.22	1/4	3,385.07	1/4	3,027.79	1/4	2,670.12
1/2		1/2		1/2		1/2	4,432.27	1/2	4,185.86	1/2	3,938.53	1/2	3,691.07	1/2	3,377.64	1/2	3,020.35	1/2	2,662.67
3/4		3/4		3/4		3/4	4,427.16	3/4	4,180.72	3/4	3,933.37	3/4	3,685.91	3/4	3,370.21	3/4	3,012.90	3/4	2,655.22
11		11		11		11	4,422.04	11	4,175.58	11	3,928.22	11	3,680.76	11	3,362.78	11	3,005.45	11	2,647.76
1/4		1/4		1/4		1/4	4,416.93	1/4	4,170.44	1/4	3,923.06	1/4	3,675.60	1/4	3,355.35	1/4	2,998.00	1/4	2,640.31
1/2		1/2		1/2		1/2	4,411.81	1/2	4,165.30	1/2	3,917.90	1/2	3,670.45	1/2	3,347.92	1/2	2,990.55	1/2	2,632.85
3/4		3/4		3/4		3/4	4,406.70	3/4	4,160.15	3/4	3,912.75	3/4	3,665.29	3/4	3,340.50	3/4	2,983.10	3/4	2,625.40

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'-07" OFF CENTERLINE AND 41'-00" 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 3100"

3 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	2,617.94	0	2,259.90	0	1,901.87	0	1,543.83	0	1,185.79	0	828.30	0	470.28	0	112.25	0		0	
1/4	2,610.48	1/4	2,252.44	1/4	1,894.41	1/4	1,536.37	1/4	1,178.33	1/4	820.84	1/4	462.82	1/4	104.79	1/4		1/4	
1/2	2,603.02	1/2	2,244.98	1/2	1,886.95	1/2	1,528.91	1/2	1,170.87	1/2	813.39	1/2	455.36	1/2	97.33	1/2		1/2	
3/4	2,595.56	3/4	2,237.53	3/4	1,879.49	3/4	1,521.45	3/4	1,163.41	3/4	805.93	3/4	447.90	3/4	89.87	3/4		3/4	
1	2,588.10	1	2,230.07	1	1,872.03	1	1,513.99	1	1,155.96	1	798.47	1	440.44	1	82.41	1		1	
1/4	2,580.64	1/4	2,222.61	1/4	1,864.57	1/4	1,506.53	1/4	1,148.50	1/4	791.01	1/4	432.98	1/4	74.95	1/4		1/4	
1/2	2,573.18	1/2	2,215.15	1/2	1,857.11	1/2	1,499.07	1/2	1,141.04	1/2	783.55	1/2	425.52	1/2	67.96	1/2		1/2	
3/4	2,565.73	3/4	2,207.69	3/4	1,849.65	3/4	1,491.62	3/4	1,133.59	3/4	776.09	3/4	418.06	3/4	60.97	3/4		3/4	
2	2,558.27	2	2,200.23	2	1,842.19	2	1,484.16	2	1,126.13	2	768.63	2	410.61	2	53.98	2		2	
1/4	2,550.81	1/4	2,192.77	1/4	1,834.73	1/4	1,476.70	1/4	1,118.68	1/4	761.17	1/4	403.15	1/4	46.98	1/4		1/4	
1/2	2,543.35	1/2	2,185.31	1/2	1,827.27	1/2	1,469.24	1/2	1,111.23	1/2	753.71	1/2	395.69	1/2	41.39	1/2		1/2	
3/4	2,535.89	3/4	2,177.85	3/4	1,819.82	3/4	1,461.78	3/4	1,103.77	3/4	746.26	3/4	388.23	3/4	35.80	3/4		3/4	
3	2,528.43	3	2,170.39	3	1,812.36	3	1,454.32	3	1,096.32	3	738.80	3	380.77	3	30.20	3		3	
1/4	2,520.97	1/4	2,162.93	1/4	1,804.90	1/4	1,446.86	1/4	1,088.87	1/4	731.34	1/4	373.31	1/4	24.61	1/4		1/4	
1/2	2,513.51	1/2	2,155.48	1/2	1,797.44	1/2	1,439.40	1/2	1,081.42	1/2	723.88	1/2	365.85	1/2	20.88	1/2		1/2	
3/4	2,506.05	3/4	2,148.02	3/4	1,789.98	3/4	1,431.94	3/4	1,073.98	3/4	716.42	3/4	358.39	3/4		3/4		3/4	
4	2,498.59	4	2,140.56	4	1,782.52	4	1,424.48	4	1,066.53	4	708.96	4	350.93	4		4		4	
1/4	2,491.13	1/4	2,133.10	1/4	1,775.06	1/4	1,417.02	1/4	1,059.08	1/4	701.50	1/4	343.48	1/4		1/4		1/4	
1/2	2,483.68	1/2	2,125.64	1/2	1,767.60	1/2	1,409.57	1/2	1,051.64	1/2	694.04	1/2	336.02	1/2		1/2		1/2	
3/4	2,476.22	3/4	2,118.18	3/4	1,760.14	3/4	1,402.11	3/4	1,044.19	3/4	686.58	3/4	328.56	3/4		3/4		3/4	
5	2,468.76	5	2,110.72	5	1,752.68	5	1,394.65	5	1,036.75	5	679.13	5	321.10	5		5		5	
1/4	2,461.30	1/4	2,103.26	1/4	1,745.22	1/4	1,387.19	1/4	1,029.31	1/4	671.67	1/4	313.64	1/4		1/4		1/4	
1/2	2,453.84	1/2	2,095.80	1/2	1,737.77	1/2	1,379.73	1/2	1,021.86	1/2	664.21	1/2	306.18	1/2		1/2		1/2	
3/4	2,446.38	3/4	2,088.34	3/4	1,730.31	3/4	1,372.27	3/4	1,014.42	3/4	656.75	3/4	298.72	3/4		3/4		3/4	
6	2,438.92	6	2,080.88	6	1,722.85	6	1,364.81	6	1,006.97	6	649.29	6	291.26	6		6		6	
1/4	2,431.46	1/4	2,073.43	1/4	1,715.39	1/4	1,357.35	1/4	999.53	1/4	641.83	1/4	283.80	1/4		1/4		1/4	
1/2	2,424.00	1/2	2,065.97	1/2	1,707.93	1/2	1,349.89	1/2	992.09	1/2	634.37	1/2	276.35	1/2		1/2		1/2	
3/4	2,416.54	3/4	2,058.51	3/4	1,700.47	3/4	1,342.43	3/4	984.64	3/4	626.91	3/4	268.89	3/4		3/4		3/4	
7	2,409.08	7	2,051.05	7	1,693.01	7	1,334.97	7	977.20	7	619.45	7	261.43	7		7		7	
1/4	2,401.63	1/4	2,043.59	1/4	1,685.55	1/4	1,327.52	1/4	969.76	1/4	612.00	1/4	253.97	1/4		1/4		1/4	
1/2	2,394.17	1/2	2,036.13	1/2	1,678.09	1/2	1,320.06	1/2	962.31	1/2	604.54	1/2	246.51	1/2		1/2		1/2	
3/4	2,386.71	3/4	2,028.67	3/4	1,670.63	3/4	1,312.60	3/4	954.87	3/4	597.08	3/4	239.05	3/4		3/4		3/4	
8	2,379.25	8	2,021.21	8	1,663.17	8	1,305.14	8	947.42	8	589.62	8	231.59	8		8		8	
1/4	2,371.79	1/4	2,013.75	1/4	1,655.72	1/4	1,297.68	1/4	939.98	1/4	582.16	1/4	224.13	1/4		1/4		1/4	
1/2	2,364.33	1/2	2,006.29	1/2	1,648.26	1/2	1,290.22	1/2	932.54	1/2	574.70	1/2	216.67	1/2		1/2		1/2	
3/4	2,356.87	3/4	1,998.83	3/4	1,640.80	3/4	1,282.76	3/4	925.09	3/4	567.24	3/4	209.21	3/4		3/4		3/4	
9	2,349.41	9	1,991.38	9	1,633.34	9	1,275.30	9	917.65	9	559.78	9	201.76	9		9		9	
1/4	2,341.95	1/4	1,983.92	1/4	1,625.88	1/4	1,267.84	1/4	910.20	1/4	552.32	1/4	194.30	1/4		1/4		1/4	
1/2	2,334.49	1/2	1,976.46	1/2	1,618.42	1/2	1,260.38	1/2	902.76	1/2	544.87	1/2	186.84	1/2		1/2		1/2	
3/4	2,327.03	3/4	1,969.00	3/4	1,610.96	3/4	1,252.92	3/4	895.32	3/4	537.41	3/4	179.38	3/4		3/4		3/4	
10	2,319.58	10	1,961.54	10	1,603.50	10	1,245.47	10	887.87	10	529.95	10	171.92	10		10		10	
1/4	2,312.12	1/4	1,954.08	1/4	1,596.04	1/4	1,238.01	1/4	880.43	1/4	522.49	1/4	164.46	1/4		1/4		1/4	
1/2	2,304.66	1/2	1,946.62	1/2	1,588.58	1/2	1,230.55	1/2	872.98	1/2	515.03	1/2	157.00	1/2		1/2		1/2	
3/4	2,297.20	3/4	1,939.16	3/4	1,581.12	3/4	1,223.09	3/4	865.54	3/4	507.57	3/4	149.54	3/4		3/4		3/4	
11	2,289.74	11	1,931.70	11	1,573.67	11	1,215.63	11	858.10	11	500.11	11	142.08	11		11		11	
1/4	2,282.28	1/4	1,924.24	1/4	1,566.21	1/4	1,208.17	1/4	850.65	1/4	492.65	1/4	134.63	1/4		1/4		1/4	
1/2	2,274.82	1/2	1,916.78	1/2	1,558.75	1/2	1,200.71	1/2	843.20	1/2	485.19	1/2	127.17	1/2		1/2		1/2	
3/4	2,267.36	3/4	1,909.32	3/4	1,551.29	3/4	1,193.25	3/4	835.75	3/4	477.74	3/4	119.71	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/31/2013 CL
RECALCULATED: 09/19/2018 CL
VERIFIED: 09/06/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2023

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



BARGE "HTCO 3100"

FWD SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-07 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	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: 07/31/2013 CL
CALCULATED: 07/31/2013 CL
VERIFIED: 09/06/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2023

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 3100"

AFT SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-07 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	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: 07/31/2013 CL
CALCULATED: 07/31/2013 CL
VERIFIED: 09/06/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HTCO 3100"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 3'-11 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	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	1/4	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	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	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	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	1/4	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	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	3/4	3/4	3/4	3/4	3/4
2	9	2	148	2	327	2	475	2	2	2		2	2	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	1/4	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	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	3/4	3/4	3/4	3/4	3/4
3	16	3	162	3	342	3	482	3	3	3		3	3	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	1/4	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	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	3/4	3/4	3/4	3/4	3/4
4	25	4	177	4	356	4	488	4	4	4		4	4	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	1/4	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	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	3/4	3/4	3/4	3/4	3/4
5	35	5	192	5	370	5	492	5	5	5		5	5	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	1/4	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	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	3/4	3/4	3/4	3/4	3/4
6	45	6	207	6	384	6		6	6	6		6	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	1/4	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	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	3/4	3/4	3/4	3/4	3/4
7	56	7	222	7	397	7		7	7	7		7	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	1/4	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	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	3/4	3/4	3/4	3/4	3/4
8	68	8	237	8	410	8		8	8	8		8	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	1/4	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	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	3/4	3/4	3/4	3/4	3/4
9	80	9	252	9	423	9		9	9	9		9	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	1/4	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	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	3/4	3/4	3/4	3/4	3/4
10	93	10	268	10	434	10		10	10	10		10	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	1/4	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	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	3/4	3/4	3/4	3/4	3/4
11	106	11	283	11	446	11		11	11	11		11	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	1/4	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	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	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: 07/31/2013 CL
 CALCULATED: 07/31/2013 CL
 VERIFIED: 09/06/2023

CANCELS AND SUPERCEDES
 ALL PRIOR TO 09/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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