



BARGE "HTCO 3148"

ULLAGE TRIM TABLE (HERMETIC)

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 237'-09"

October 15, 2020

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HTCO 3148"

1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	0	0	4,684.23	0	4,327.66	0	3,969.86	0	3,612.01	0	3,254.17	0	2,896.30
1/4		1/4		1/4		1/4		1/4	4,676.83	1/4	4,320.22	1/4	3,962.40	1/4	3,604.56	1/4	3,246.71	1/4	2,888.84
1/2		1/2		1/2		1/2		1/2	4,669.44	1/2	4,312.77	1/2	3,954.95	1/2	3,597.10	1/2	3,239.26	1/2	2,881.38
3/4		3/4		3/4		3/4		3/4	5,005.34	3/4	4,662.05	3/4	4,305.33	3/4	3,947.49	3/4	3,589.65	3/4	3,231.80
1	1	1	1	1	1	1	1	1	5,000.60	1	4,654.65	1	4,297.88	1	3,940.04	1	3,582.19	1	3,224.35
1/4		1/4		1/4		1/4		1/4	4,994.80	1/4	4,647.24	1/4	4,290.43	1/4	3,932.58	1/4	3,574.74	1/4	3,216.89
1/2		1/2		1/2		1/2		1/2	4,989.00	1/2	4,639.83	1/2	4,282.97	1/2	3,925.13	1/2	3,567.28	1/2	3,209.44
3/4		3/4		3/4		3/4		3/4	4,983.20	3/4	4,632.41	3/4	4,275.52	3/4	3,917.67	3/4	3,559.83	3/4	3,201.98
2	2	2	2	2	2	2	2	2	4,977.40	2	4,625.00	2	4,268.06	2	3,910.22	2	3,552.37	2	3,194.53
1/4		1/4		1/4		1/4		1/4	4,970.61	1/4	4,617.57	1/4	4,260.61	1/4	3,902.76	1/4	3,544.92	1/4	3,187.07
1/2		1/2		1/2		1/2		1/2	4,963.81	1/2	4,610.13	1/2	4,253.15	1/2	3,895.31	1/2	3,537.46	1/2	3,179.62
3/4		3/4		3/4		3/4		3/4	4,957.01	3/4	4,602.70	3/4	4,245.70	3/4	3,887.85	3/4	3,530.01	3/4	3,172.16
3	3	3	3	3	3	3	3	3	4,950.21	3	4,595.27	3	4,238.24	3	3,880.40	3	3,522.55	3	3,164.71
1/4		1/4		1/4		1/4		1/4	4,942.88	1/4	4,587.83	1/4	4,230.79	1/4	3,872.94	1/4	3,515.10	1/4	3,157.25
1/2		1/2		1/2		1/2		1/2	4,935.54	1/2	4,580.40	1/2	4,223.33	1/2	3,865.49	1/2	3,507.64	1/2	3,149.80
3/4		3/4		3/4		3/4		3/4	4,928.21	3/4	4,572.97	3/4	4,215.87	3/4	3,858.03	3/4	3,500.19	3/4	3,142.34
4	4	4	4	4	4	4	4	4	4,920.88	4	4,565.53	4	4,208.42	4	3,850.58	4	3,492.73	4	3,134.89
1/4		1/4		1/4		1/4		1/4	4,913.48	1/4	4,558.10	1/4	4,200.96	1/4	3,843.12	1/4	3,485.28	1/4	3,127.43
1/2		1/2		1/2		1/2		1/2	4,906.08	1/2	4,550.67	1/2	4,193.51	1/2	3,835.66	1/2	3,477.82	1/2	3,119.98
3/4		3/4		3/4		3/4		3/4	4,898.69	3/4	4,543.23	3/4	4,186.05	3/4	3,828.21	3/4	3,470.36	3/4	3,112.52
5	5	5	5	5	5	5	5	5	4,891.29	5	4,535.80	5	4,178.60	5	3,820.75	5	3,462.91	5	3,105.07
1/4		1/4		1/4		1/4		1/4	4,883.89	1/4	4,528.36	1/4	4,171.14	1/4	3,813.30	1/4	3,455.45	1/4	3,097.61
1/2		1/2		1/2		1/2		1/2	4,876.49	1/2	4,520.93	1/2	4,163.69	1/2	3,805.84	1/2	3,448.00	1/2	3,090.15
3/4		3/4		3/4		3/4		3/4	4,869.10	3/4	4,513.50	3/4	4,156.23	3/4	3,798.39	3/4	3,440.54	3/4	3,082.70
6	6	6	6	6	6	6	6	6	4,861.70	6	4,506.06	6	4,148.78	6	3,790.93	6	3,433.09	6	3,075.24
1/4		1/4		1/4		1/4		1/4	4,854.30	1/4	4,498.63	1/4	4,141.32	1/4	3,783.48	1/4	3,425.63	1/4	3,067.79
1/2		1/2		1/2		1/2		1/2	4,846.90	1/2	4,491.20	1/2	4,133.87	1/2	3,776.02	1/2	3,418.18	1/2	3,060.33
3/4		3/4		3/4		3/4		3/4	4,839.51	3/4	4,483.76	3/4	4,126.41	3/4	3,768.57	3/4	3,410.72	3/4	3,052.88
7	7	7	7	7	7	7	7	7	4,832.11	7	4,476.33	7	4,118.96	7	3,761.11	7	3,403.27	7	3,045.42
1/4		1/4		1/4		1/4		1/4	4,824.71	1/4	4,468.90	1/4	4,111.50	1/4	3,753.66	1/4	3,395.81	1/4	3,037.97
1/2		1/2		1/2		1/2		1/2	4,817.32	1/2	4,461.46	1/2	4,104.05	1/2	3,746.20	1/2	3,388.36	1/2	3,030.51
3/4		3/4		3/4		3/4		3/4	4,809.92	3/4	4,454.03	3/4	4,096.59	3/4	3,738.75	3/4	3,380.90	3/4	3,023.06
8	8	8	8	8	8	8	8	8	4,802.52	8	4,446.60	8	4,089.14	8	3,731.29	8	3,373.45	8	3,015.60
1/4		1/4		1/4		1/4		1/4	4,795.13	1/4	4,439.16	1/4	4,081.68	1/4	3,723.84	1/4	3,365.99	1/4	3,008.15
1/2		1/2		1/2		1/2		1/2	4,787.74	1/2	4,431.73	1/2	4,074.23	1/2	3,716.38	1/2	3,358.54	1/2	3,000.69
3/4		3/4		3/4		3/4		3/4	4,780.34	3/4	4,424.30	3/4	4,066.77	3/4	3,708.93	3/4	3,351.08	3/4	2,993.24
9	9	9	9	9	9	9	9	9	4,772.95	9	4,416.86	9	4,059.32	9	3,701.47	9	3,343.63	9	2,985.78
1/4		1/4		1/4		1/4		1/4	4,765.56	1/4	4,409.43	1/4	4,051.86	1/4	3,694.02	1/4	3,336.17	1/4	2,978.33
1/2		1/2		1/2		1/2		1/2	4,758.16	1/2	4,402.00	1/2	4,044.41	1/2	3,686.56	1/2	3,328.72	1/2	2,970.87
3/4		3/4		3/4		3/4		3/4	4,750.77	3/4	4,394.56	3/4	4,036.95	3/4	3,679.11	3/4	3,321.26	3/4	2,963.42
10	10	10	10	10	10	10	10	10	4,743.38	10	4,387.13	10	4,029.50	10	3,671.65	10	3,313.81	10	2,955.96
1/4		1/4		1/4		1/4		1/4	4,735.98	1/4	4,379.70	1/4	4,022.04	1/4	3,664.20	1/4	3,306.35	1/4	2,948.51
1/2		1/2		1/2		1/2		1/2	4,728.59	1/2	4,372.26	1/2	4,014.59	1/2	3,656.74	1/2	3,298.90	1/2	2,941.05
3/4		3/4		3/4		3/4		3/4	4,721.20	3/4	4,364.83	3/4	4,007.13	3/4	3,649.29	3/4	3,291.44	3/4	2,933.60
11	11	11	11	11	11	11	11	11	4,713.80	11	4,357.40	11	3,999.68	11	3,641.83	11	3,283.99	11	2,926.14
1/4		1/4		1/4		1/4		1/4	4,706.41	1/4	4,349.96	1/4	3,992.22	1/4	3,634.38	1/4	3,276.53	1/4	2,918.68
1/2		1/2		1/2		1/2		1/2	4,699.01	1/2	4,342.53	1/2	3,984.77	1/2	3,626.92	1/2	3,269.08	1/2	2,911.22
3/4		3/4		3/4		3/4		3/4	4,691.62	3/4	4,335.10	3/4	3,977.31	3/4	3,619.47	3/4	3,261.62	3/4	2,903.76

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
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BARGE "HTCO 3148"

1 PORT ULLAGE TABLE HERMETIC

GAUGE HEIGHT 17'-03 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,538.27	0	2,180.23	0	1,822.19	0	1,464.16	0	1,106.18	0	750.30	0	397.27	0	83.34	0			
1/4	2,530.81	1/4	2,172.77	1/4	1,814.73	1/4	1,456.70	1/4	1,098.75	1/4	742.84	1/4	390.30	1/4	77.31	1/4			
1/2	2,523.35	1/2	2,165.31	1/2	1,807.27	1/2	1,449.24	1/2	1,091.32	1/2	735.38	1/2	383.33	1/2	71.29	1/2			
3/4	2,515.89	3/4	2,157.85	3/4	1,799.82	3/4	1,441.78	3/4	1,083.89	3/4	727.92	3/4	376.36	3/4	65.26	3/4			
1	2,508.43	1	2,150.39	1	1,792.36	1	1,434.32	1	1,076.46	1	720.46	1	369.40	1	59.24	1			
1/4	2,500.97	1/4	2,142.93	1/4	1,784.90	1/4	1,426.86	1/4	1,069.04	1/4	713.00	1/4	362.50	1/4	53.76	1/4			
1/2	2,493.51	1/2	2,135.47	1/2	1,777.44	1/2	1,419.40	1/2	1,061.61	1/2	705.54	1/2	355.61	1/2	48.28	1/2			
3/4	2,486.05	3/4	2,128.02	3/4	1,769.98	3/4	1,411.94	3/4	1,054.19	3/4	698.08	3/4	348.71	3/4	42.80	3/4			
2	2,478.59	2	2,120.56	2	1,762.52	2	1,404.48	2	1,046.77	2	690.62	2	341.82	2	37.32	2			
1/4	2,471.13	1/4	2,113.10	1/4	1,755.06	1/4	1,397.02	1/4	1,039.35	1/4	683.17	1/4	334.99	1/4	33.33	1/4			
1/2	2,463.68	1/2	2,105.64	1/2	1,747.60	1/2	1,389.56	1/2	1,031.94	1/2	675.71	1/2	328.17	1/2	29.33	1/2			
3/4	2,456.22	3/4	2,098.18	3/4	1,740.14	3/4	1,382.11	3/4	1,024.52	3/4	668.25	3/4	321.35	3/4	25.33	3/4			
3	2,448.76	3	2,090.72	3	1,732.68	3	1,374.65	3	1,017.11	3	660.79	3	314.53	3	21.33	3			
1/4	2,441.30	1/4	2,083.26	1/4	1,725.22	1/4	1,367.19	1/4	1,009.70	1/4	653.33	1/4	307.79	1/4	18.42	1/4			
1/2	2,433.84	1/2	2,075.80	1/2	1,717.77	1/2	1,359.73	1/2	1,002.28	1/2	645.87	1/2	301.05	1/2		1/2			
3/4	2,426.38	3/4	2,068.34	3/4	1,710.31	3/4	1,352.27	3/4	994.87	3/4	638.41	3/4	294.31	3/4		3/4			
4	2,418.92	4	2,060.88	4	1,702.85	4	1,344.81	4	987.46	4	630.95	4	287.57	4		4			
1/4	2,411.46	1/4	2,053.42	1/4	1,695.39	1/4	1,337.35	1/4	980.05	1/4	623.49	1/4	280.91	1/4		1/4			
1/2	2,404.00	1/2	2,045.97	1/2	1,687.93	1/2	1,329.89	1/2	972.64	1/2	616.04	1/2	274.25	1/2		1/2			
3/4	2,396.54	3/4	2,038.51	3/4	1,680.47	3/4	1,322.43	3/4	965.24	3/4	608.58	3/4	267.59	3/4		3/4			
5	2,389.08	5	2,031.05	5	1,673.01	5	1,314.97	5	957.83	5	601.12	5	260.93	5		5			
1/4	2,381.63	1/4	2,023.59	1/4	1,665.55	1/4	1,307.51	1/4	950.42	1/4	593.66	1/4	254.35	1/4		1/4			
1/2	2,374.17	1/2	2,016.13	1/2	1,658.09	1/2	1,300.06	1/2	943.01	1/2	586.20	1/2	247.77	1/2		1/2			
3/4	2,366.71	3/4	2,008.67	3/4	1,650.63	3/4	1,292.60	3/4	935.60	3/4	578.74	3/4	241.19	3/4		3/4			
6	2,359.25	6	2,001.21	6	1,643.17	6	1,285.14	6	928.19	6	571.28	6	234.61	6		6			
1/4	2,351.79	1/4	1,993.75	1/4	1,635.72	1/4	1,277.68	1/4	920.79	1/4	563.85	1/4	228.11	1/4		1/4			
1/2	2,344.33	1/2	1,986.29	1/2	1,628.26	1/2	1,270.22	1/2	913.38	1/2	556.41	1/2	221.61	1/2		1/2			
3/4	2,336.87	3/4	1,978.83	3/4	1,620.80	3/4	1,262.76	3/4	905.97	3/4	548.97	3/4	215.12	3/4		3/4			
7	2,329.41	7	1,971.37	7	1,613.34	7	1,255.30	7	898.56	7	541.54	7	208.62	7		7			
1/4	2,321.95	1/4	1,963.92	1/4	1,605.88	1/4	1,247.84	1/4	891.15	1/4	534.16	1/4	202.20	1/4		1/4			
1/2	2,314.49	1/2	1,956.46	1/2	1,598.42	1/2	1,240.38	1/2	883.75	1/2	526.79	1/2	195.79	1/2		1/2			
3/4	2,307.03	3/4	1,949.00	3/4	1,590.96	3/4	1,232.92	3/4	876.34	3/4	519.41	3/4	189.37	3/4		3/4			
8	2,299.58	8	1,941.54	8	1,583.50	8	1,225.46	8	868.93	8	512.04	8	182.96	8		8			
1/4	2,292.12	1/4	1,934.08	1/4	1,576.04	1/4	1,218.01	1/4	861.52	1/4	504.74	1/4	176.61	1/4		1/4			
1/2	2,284.66	1/2	1,926.62	1/2	1,568.58	1/2	1,210.55	1/2	854.11	1/2	497.45	1/2	170.27	1/2		1/2			
3/4	2,277.20	3/4	1,919.16	3/4	1,561.12	3/4	1,203.09	3/4	846.70	3/4	490.15	3/4	163.93	3/4		3/4			
9	2,269.74	9	1,911.70	9	1,553.67	9	1,195.63	9	839.30	9	482.86	9	157.59	9		9			
1/4	2,262.28	1/4	1,904.24	1/4	1,546.21	1/4	1,188.17	1/4	831.89	1/4	475.65	1/4	151.32	1/4		1/4			
1/2	2,254.82	1/2	1,896.78	1/2	1,538.75	1/2	1,180.71	1/2	824.48	1/2	468.43	1/2	145.05	1/2		1/2			
3/4	2,247.36	3/4	1,889.32	3/4	1,531.29	3/4	1,173.25	3/4	817.07	3/4	461.22	3/4	138.79	3/4		3/4			
10	2,239.90	10	1,881.87	10	1,523.83	10	1,165.79	10	809.66	10	454.00	10	132.52	10		10			
1/4	2,232.44	1/4	1,874.41	1/4	1,516.37	1/4	1,158.33	1/4	802.26	1/4	446.87	1/4	126.33	1/4		1/4			
1/2	2,224.98	1/2	1,866.95	1/2	1,508.91	1/2	1,150.87	1/2	794.85	1/2	439.74	1/2	120.14	1/2		1/2			
3/4	2,217.52	3/4	1,859.49	3/4	1,501.45	3/4	1,143.41	3/4	787.44	3/4	432.61	3/4	113.96	3/4		3/4			
11	2,210.07	11	1,852.03	11	1,493.99	11	1,135.96	11	780.03	11	425.48	11	107.77	11		11			
1/4	2,202.61	1/4	1,844.57	1/4	1,486.53	1/4	1,128.51	1/4	772.60	1/4	418.42	1/4	101.66	1/4		1/4			
1/2	2,195.15	1/2	1,837.11	1/2	1,479.07	1/2	1,121.07	1/2	765.16	1/2	411.37	1/2	95.55	1/2		1/2			
3/4	2,187.69	3/4	1,829.65	3/4	1,471.61	3/4	1,113.62	3/4	757.73	3/4	404.32	3/4	89.45	3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/27/2015 CL
RECALCULATED: 10/15/2020 CL
REPRINTED: 10/15/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2020

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



BARGE "HTCO 3148"

1 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	0	0	4,692.14	0	4,335.71	0	3,978.01	0	3,620.26	0	3,262.51	0	2,904.76
1/4		1/4		1/4		1/4		1/4	4,684.75	1/4	4,328.28	1/4	3,970.56	1/4	3,612.81	1/4	3,255.06	1/4	2,897.30
1/2		1/2		1/2		1/2		1/2	4,677.36	1/2	4,320.83	1/2	3,963.10	1/2	3,605.36	1/2	3,247.61	1/2	2,889.85
3/4		3/4		3/4		3/4		3/4	4,669.97	3/4	4,313.39	3/4	3,955.65	3/4	3,597.90	3/4	3,240.15	3/4	2,882.39
1	1	1	1	1	5,005.76	1	4,662.58	1	4,305.94	1	3,948.20	1	3,590.45	1	3,232.70	1	2,874.93		
1/4		1/4		1/4		1/4		1/4	4,655.18	1/4	4,298.49	1/4	3,940.75	1/4	3,583.00	1/4	3,225.25	1/4	2,867.47
1/2		1/2		1/2		1/2		1/2	4,647.77	1/2	4,291.04	1/2	3,933.29	1/2	3,575.54	1/2	3,217.79	1/2	2,860.02
3/4		3/4		3/4		3/4		3/4	4,640.36	3/4	4,283.59	3/4	3,925.84	3/4	3,568.09	3/4	3,210.34	3/4	2,852.56
2	2	2	2	2	4,983.64	2	4,632.95	2	4,276.13	2	3,918.39	2	3,560.64	2	3,202.89	2	2,845.10		
1/4		1/4		1/4		1/4		1/4	4,977.84	1/4	4,268.68	1/4	3,910.93	1/4	3,553.18	1/4	3,195.43	1/4	2,837.64
1/2		1/2		1/2		1/2		1/2	4,971.04	1/2	4,261.23	1/2	3,903.48	1/2	3,545.73	1/2	3,187.98	1/2	2,830.19
3/4		3/4		3/4		3/4		3/4	4,964.25	3/4	4,253.78	3/4	3,896.03	3/4	3,538.28	3/4	3,180.53	3/4	2,822.73
3	3	3	3	3	4,957.45	3	4,603.24	3	4,246.32	3	3,888.57	3	3,530.82	3	3,173.08	3	2,815.27		
1/4		1/4		1/4		1/4		1/4	4,950.66	1/4	4,238.87	1/4	3,881.12	1/4	3,523.37	1/4	3,165.62	1/4	2,807.82
1/2		1/2		1/2		1/2		1/2	4,943.33	1/2	4,231.42	1/2	3,873.67	1/2	3,515.92	1/2	3,158.17	1/2	2,800.36
3/4		3/4		3/4		3/4		3/4	4,936.00	3/4	4,223.96	3/4	3,866.21	3/4	3,508.47	3/4	3,150.72	3/4	2,792.90
4	4	4	4	4	4,928.67	4	4,573.52	4	4,216.51	4	3,858.76	4	3,501.01	4	3,143.26	4	2,785.44		
1/4		1/4		1/4		1/4		1/4	4,921.34	1/4	4,566.09	1/4	4,209.06	1/4	3,493.56	1/4	3,135.81	1/4	2,777.99
1/2		1/2		1/2		1/2		1/2	4,913.95	1/2	4,558.65	1/2	4,201.60	1/2	3,486.11	1/2	3,128.36	1/2	2,770.53
3/4		3/4		3/4		3/4		3/4	4,906.55	3/4	4,551.22	3/4	4,194.15	3/4	3,478.65	3/4	3,120.90	3/4	2,763.07
5	5	5	5	5	4,899.16	5	4,543.79	5	4,186.70	5	3,828.95	5	3,471.20	5	3,113.45	5	2,755.62		
1/4		1/4		1/4		1/4		1/4	4,891.76	1/4	4,536.36	1/4	4,179.24	1/4	3,463.75	1/4	3,106.00	1/4	2,748.16
1/2		1/2		1/2		1/2		1/2	4,884.36	1/2	4,528.93	1/2	4,171.79	1/2	3,456.29	1/2	3,098.54	1/2	2,740.70
3/4		3/4		3/4		3/4		3/4	4,876.97	3/4	4,521.50	3/4	4,164.34	3/4	3,448.84	3/4	3,091.09	3/4	2,733.24
6	6	6	6	6	4,869.57	6	4,514.07	6	4,156.88	6	3,799.14	6	3,441.39	6	3,083.64	6	2,725.79		
1/4		1/4		1/4		1/4		1/4	4,862.18	1/4	4,506.63	1/4	4,149.43	1/4	3,433.93	1/4	3,076.19	1/4	2,718.33
1/2		1/2		1/2		1/2		1/2	4,854.78	1/2	4,499.20	1/2	4,141.98	1/2	3,426.48	1/2	3,068.73	1/2	2,710.87
3/4		3/4		3/4		3/4		3/4	4,847.39	3/4	4,491.77	3/4	4,134.53	3/4	3,419.03	3/4	3,061.28	3/4	2,703.42
7	7	7	7	7	4,839.99	7	4,484.34	7	4,127.07	7	3,769.32	7	3,411.57	7	3,053.83	7	2,695.96		
1/4		1/4		1/4		1/4		1/4	4,832.59	1/4	4,476.91	1/4	4,119.62	1/4	3,404.12	1/4	3,046.37	1/4	2,688.50
1/2		1/2		1/2		1/2		1/2	4,825.20	1/2	4,469.48	1/2	4,112.17	1/2	3,396.67	1/2	3,038.92	1/2	2,681.04
3/4		3/4		3/4		3/4		3/4	4,817.81	3/4	4,462.04	3/4	4,104.71	3/4	3,389.22	3/4	3,031.47	3/4	2,673.59
8	8	8	8	8	4,810.41	8	4,454.61	8	4,097.26	8	3,739.51	8	3,381.76	8	3,024.01	8	2,666.13		
1/4		1/4		1/4		1/4		1/4	4,803.02	1/4	4,447.18	1/4	4,089.81	1/4	3,373.06	1/4	3,374.31	1/4	3,016.56
1/2		1/2		1/2		1/2		1/2	4,795.63	1/2	4,439.75	1/2	4,082.35	1/2	3,366.86	1/2	3,009.11	1/2	2,651.21
3/4		3/4		3/4		3/4		3/4	4,788.24	3/4	4,432.32	3/4	4,074.90	3/4	3,359.40	3/4	3,001.65	3/4	2,643.76
9	9	9	9	9	4,780.84	9	4,424.89	9	4,067.45	9	3,709.70	9	3,351.95	9	2,994.20	9	2,636.30		
1/4		1/4		1/4		1/4		1/4	4,773.45	1/4	4,417.46	1/4	4,059.99	1/4	3,344.50	1/4	2,986.75	1/4	2,628.84
1/2		1/2		1/2		1/2		1/2	4,766.06	1/2	4,410.02	1/2	4,052.54	1/2	3,337.04	1/2	2,979.30	1/2	2,621.39
3/4		3/4		3/4		3/4		3/4	4,758.67	3/4	4,402.59	3/4	4,045.09	3/4	3,329.59	3/4	2,971.84	3/4	2,613.93
10	10	10	10	10	4,751.28	10	4,395.16	10	4,037.64	10	3,679.89	10	3,322.14	10	2,964.39	10	2,606.47		
1/4		1/4		1/4		1/4		1/4	4,743.89	1/4	4,387.73	1/4	4,030.18	1/4	3,314.68	1/4	2,956.94	1/4	2,599.01
1/2		1/2		1/2		1/2		1/2	4,736.49	1/2	4,380.30	1/2	4,022.73	1/2	3,307.23	1/2	2,949.48	1/2	2,591.56
3/4		3/4		3/4		3/4		3/4	4,729.10	3/4	4,372.87	3/4	4,015.28	3/4	3,300.78	3/4	2,942.03	3/4	2,584.10
11	11	11	11	11	4,721.71	11	4,365.44	11	4,007.82	11	3,650.71	11	3,292.33	11	2,934.58	11	2,576.64		
1/4		1/4		1/4		1/4		1/4	4,714.32	1/4	4,358.00	1/4	4,000.37	1/4	3,284.87	1/4	2,927.12	1/4	2,569.19
1/2		1/2		1/2		1/2		1/2	4,706.93	1/2	4,350.57	1/2	3,992.92	1/2	3,277.42	1/2	2,919.67	1/2	2,561.73
3/4		3/4		3/4		3/4		3/4	4,699.53	3/4	4,343.14	3/4	3,985.46	3/4	3,269.97	3/4	2,912.21	3/4	2,554.27

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD

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



BARGE "HTCO 3148"

1 STBD

ULLAGE TABLE HERMETIC

GAUGE HEIGHT 17'-03 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,546.81	0	2,188.87	0	1,830.92	0	1,472.98	0	1,115.03	0	757.58	0	404.29	0	89.45	0			
1/4	2,539.36	1/4	2,181.41	1/4	1,823.47	1/4	1,465.52	1/4	1,107.57	1/4	750.13	1/4	397.25	1/4	83.34	1/4			
1/2	2,531.90	1/2	2,173.95	1/2	1,816.01	1/2	1,458.06	1/2	1,100.12	1/2	742.67	1/2	390.28	1/2	77.32	1/2			
3/4	2,524.44	3/4	2,166.50	3/4	1,808.55	3/4	1,450.61	3/4	1,092.66	3/4	735.21	3/4	383.31	3/4	71.29	3/4			
1	2,516.99	1	2,159.04	1	1,801.09	1	1,443.15	1	1,085.20	1	727.75	1	376.34	1	65.26	1			
1/4	2,509.53	1/4	2,151.58	1/4	1,793.64	1/4	1,435.69	1/4	1,077.75	1/4	720.30	1/4	369.37	1/4	59.24	1/4			
1/2	2,502.07	1/2	2,144.13	1/2	1,786.18	1/2	1,428.23	1/2	1,070.29	1/2	712.84	1/2	362.48	1/2	53.76	1/2			
3/4	2,494.61	3/4	2,136.67	3/4	1,778.72	3/4	1,420.78	3/4	1,062.84	3/4	705.38	3/4	355.59	3/4	48.28	3/4			
2	2,487.16	2	2,129.21	2	1,771.27	2	1,413.32	2	1,055.38	2	697.93	2	348.69	2	42.80	2			
1/4	2,479.70	1/4	2,121.75	1/4	1,763.81	1/4	1,405.86	1/4	1,047.93	1/4	690.47	1/4	341.80	1/4	37.32	1/4			
1/2	2,472.24	1/2	2,114.30	1/2	1,756.35	1/2	1,398.41	1/2	1,040.48	1/2	683.01	1/2	334.98	1/2	33.33	1/2			
3/4	2,464.78	3/4	2,106.84	3/4	1,748.89	3/4	1,390.95	3/4	1,033.03	3/4	675.56	3/4	328.16	3/4	29.33	3/4			
3	2,457.33	3	2,099.38	3	1,741.44	3	1,383.49	3	1,025.58	3	668.10	3	321.34	3	25.33	3			
1/4	2,449.87	1/4	2,091.93	1/4	1,733.98	1/4	1,376.03	1/4	1,018.13	1/4	660.64	1/4	314.52	1/4	21.33	1/4			
1/2	2,442.41	1/2	2,084.47	1/2	1,726.52	1/2	1,368.58	1/2	1,010.68	1/2	653.18	1/2	307.78	1/2	18.42	1/2			
3/4	2,434.96	3/4	2,077.01	3/4	1,719.07	3/4	1,361.12	3/4	1,003.23	3/4	645.73	3/4	301.04	3/4		3/4			
4	2,427.50	4	2,069.55	4	1,711.61	4	1,353.66	4	995.79	4	638.27	4	294.30	4		4			
1/4	2,420.04	1/4	2,062.10	1/4	1,704.15	1/4	1,346.21	1/4	988.34	1/4	630.81	1/4	287.56	1/4		1/4			
1/2	2,412.58	1/2	2,054.64	1/2	1,696.69	1/2	1,338.75	1/2	980.90	1/2	623.36	1/2	280.90	1/2		1/2			
3/4	2,405.13	3/4	2,047.18	3/4	1,689.24	3/4	1,331.29	3/4	973.45	3/4	615.90	3/4	274.24	3/4		3/4			
5	2,397.67	5	2,039.72	5	1,681.78	5	1,323.83	5	966.01	5	608.44	5	267.58	5		5			
1/4	2,390.21	1/4	2,032.27	1/4	1,674.32	1/4	1,316.38	1/4	958.57	1/4	600.99	1/4	260.92	1/4		1/4			
1/2	2,382.76	1/2	2,024.81	1/2	1,666.86	1/2	1,308.92	1/2	951.12	1/2	593.53	1/2	254.34	1/2		1/2			
3/4	2,375.30	3/4	2,017.35	3/4	1,659.41	3/4	1,301.46	3/4	943.68	3/4	586.07	3/4	247.76	3/4		3/4			
6	2,367.84	6	2,009.90	6	1,651.95	6	1,294.00	6	936.24	6	578.61	6	241.18	6		6			
1/4	2,360.38	1/4	2,002.44	1/4	1,644.49	1/4	1,286.55	1/4	928.79	1/4	571.16	1/4	234.60	1/4		1/4			
1/2	2,352.93	1/2	1,994.98	1/2	1,637.04	1/2	1,279.09	1/2	921.35	1/2	563.73	1/2	228.11	1/2		1/2			
3/4	2,345.47	3/4	1,987.52	3/4	1,629.58	3/4	1,271.63	3/4	913.91	3/4	556.30	3/4	221.61	3/4		3/4			
7	2,338.01	7	1,980.07	7	1,622.12	7	1,264.18	7	906.46	7	548.86	7	215.11	7		7			
1/4	2,330.56	1/4	1,972.61	1/4	1,614.66	1/4	1,256.72	1/4	899.02	1/4	541.43	1/4	208.62	1/4		1/4			
1/2	2,323.10	1/2	1,965.15	1/2	1,607.21	1/2	1,249.26	1/2	891.58	1/2	534.07	1/2	202.20	1/2		1/2			
3/4	2,315.64	3/4	1,957.70	3/4	1,599.75	3/4	1,241.80	3/4	884.13	3/4	526.70	3/4	195.79	3/4		3/4			
8	2,308.18	8	1,950.24	8	1,592.29	8	1,234.35	8	876.69	8	519.34	8	189.37	8		8			
1/4	2,300.73	1/4	1,942.78	1/4	1,584.84	1/4	1,226.89	1/4	869.25	1/4	511.97	1/4	182.95	1/4		1/4			
1/2	2,293.27	1/2	1,935.32	1/2	1,577.38	1/2	1,219.43	1/2	861.80	1/2	504.68	1/2	176.61	1/2		1/2			
3/4	2,285.81	3/4	1,927.87	3/4	1,569.92	3/4	1,211.98	3/4	854.36	3/4	497.39	3/4	170.27	3/4		3/4			
9	2,278.36	9	1,920.41	9	1,562.46	9	1,204.52	9	846.92	9	490.11	9	163.93	9		9			
1/4	2,270.90	1/4	1,912.95	1/4	1,555.01	1/4	1,197.06	1/4	839.47	1/4	482.82	1/4	157.59	1/4		1/4			
1/2	2,263.44	1/2	1,905.50	1/2	1,547.55	1/2	1,189.60	1/2	832.03	1/2	475.60	1/2	151.32	1/2		1/2			
3/4	2,255.98	3/4	1,898.04	3/4	1,540.09	3/4	1,182.15	3/4	824.59	3/4	468.39	3/4	145.05	3/4		3/4			
10	2,248.53	10	1,890.58	10	1,532.64	10	1,174.69	10	817.14	10	461.18	10	138.79	10		10			
1/4	2,241.07	1/4	1,883.12	1/4	1,525.18	1/4	1,167.23	1/4	809.70	1/4	453.97	1/4	132.52	1/4		1/4			
1/2	2,233.61	1/2	1,875.67	1/2	1,517.72	1/2	1,159.77	1/2	802.26	1/2	446.84	1/2	126.33	1/2		1/2			
3/4	2,226.15	3/4	1,868.21	3/4	1,510.26	3/4	1,152.32	3/4	794.81	3/4	439.71	3/4	120.14	3/4		3/4			
11	2,218.70	11	1,860.75	11	1,502.81	11	1,144.86	11	787.37	11	432.57	11	113.96	11		11			
1/4	2,211.24	1/4	1,853.29	1/4	1,495.35	1/4	1,137.40	1/4	779.93	1/4	425.44	1/4	107.77	1/4		1/4			
1/2	2,203.78	1/2	1,845.84	1/2	1,487.89	1/2	1,129.95	1/2	772.48	1/2	418.39	1/2	101.66	1/2		1/2			
3/4	2,196.33	3/4	1,838.38	3/4	1,480.43	3/4	1,122.49	3/4	765.03	3/4	411.34	3/4	95.56	3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/27/2015 CL
RECALCULATED: 10/15/2020 CL
REPRINTED: 10/15/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2020

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



BARGE "HTCO 3148"

2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	0	0	4,766.25	0	4,408.51	0	4,049.50	0	3,690.44	0	3,331.38	0	2,972.32
1/4		1/4		1/4		1/4		1/4	4,758.83	1/4	4,401.05	1/4	4,042.02	1/4	3,682.96	1/4	3,323.90	1/4	2,964.84
1/2		1/2		1/2		1/2		1/2	4,751.41	1/2	4,393.58	1/2	4,034.54	1/2	3,675.48	1/2	3,316.42	1/2	2,957.36
3/4		3/4		3/4		3/4		3/4	4,743.99	3/4	4,386.11	3/4	4,027.06	3/4	3,668.00	3/4	3,308.94	3/4	2,949.87
1	1	1	1	1	5,081.04	1	4,736.57	1	4,378.64	1	4,019.58	1	3,660.52	1	3,301.45	1	2,942.39		
1/4		1/4		1/4		1/4		1/4	5,076.29	1/4	4,371.17	1/4	4,012.10	1/4	3,653.04	1/4	3,293.97	1/4	2,934.90
1/2		1/2		1/2		1/2		1/2	5,070.48	1/2	4,363.69	1/2	4,004.62	1/2	3,645.56	1/2	3,286.49	1/2	2,927.42
3/4		3/4		3/4		3/4		3/4	5,064.66	3/4	4,356.21	3/4	3,997.14	3/4	3,638.08	3/4	3,279.01	3/4	2,919.93
2	2	2	2	2	5,058.84	2	4,706.84	2	4,348.72	2	4,348.72	2	3,989.66	2	3,630.60	2	3,271.53	2	2,912.45
1/4		1/4		1/4		1/4		1/4	5,053.02	1/4	4,699.40	1/4	4,341.24	1/4	3,982.18	1/4	3,623.12	1/4	3,264.05
1/2		1/2		1/2		1/2		1/2	5,046.19	1/2	4,691.94	1/2	4,333.76	1/2	3,974.70	1/2	3,615.64	1/2	3,256.57
3/4		3/4		3/4		3/4		3/4	5,039.37	3/4	4,684.48	3/4	4,326.28	3/4	3,967.22	3/4	3,608.16	3/4	3,249.09
3	3	3	3	3	5,032.55	3	4,677.02	3	4,318.80	3	3,959.74	3	3,600.67	3	3,241.61	3	2,882.51		
1/4		1/4		1/4		1/4		1/4	5,025.73	1/4	4,669.56	1/4	4,311.32	1/4	3,952.26	1/4	3,593.19	1/4	3,234.13
1/2		1/2		1/2		1/2		1/2	5,018.37	1/2	4,662.10	1/2	4,303.84	1/2	3,944.78	1/2	3,585.71	1/2	3,226.65
3/4		3/4		3/4		3/4		3/4	5,011.01	3/4	4,654.65	3/4	4,296.36	3/4	3,937.30	3/4	3,578.23	3/4	3,219.17
4	4	4	4	4	5,003.66	4	4,647.19	4	4,288.88	4	4,288.88	4	3,929.82	4	3,570.75	4	3,211.69	4	2,852.57
1/4		1/4		1/4		1/4		1/4	4,996.30	1/4	4,639.73	1/4	4,281.40	1/4	3,922.34	1/4	3,563.27	1/4	3,204.21
1/2		1/2		1/2		1/2		1/2	4,988.88	1/2	4,632.27	1/2	4,273.92	1/2	3,914.86	1/2	3,555.79	1/2	3,196.73
3/4		3/4		3/4		3/4		3/4	4,981.45	3/4	4,624.81	3/4	4,266.44	3/4	3,907.38	3/4	3,548.31	3/4	3,189.25
5	5	5	5	5	4,974.03	5	4,617.35	5	4,258.96	5	4,258.96	5	3,899.89	5	3,540.83	5	3,181.77	5	2,822.63
1/4		1/4		1/4		1/4		1/4	4,966.61	1/4	4,609.89	1/4	4,251.48	1/4	3,892.41	1/4	3,533.35	1/4	3,174.29
1/2		1/2		1/2		1/2		1/2	4,959.18	1/2	4,602.43	1/2	4,244.00	1/2	3,884.93	1/2	3,525.87	1/2	3,166.81
3/4		3/4		3/4		3/4		3/4	4,951.76	3/4	4,594.98	3/4	4,236.52	3/4	3,877.45	3/4	3,518.39	3/4	3,159.33
6	6	6	6	6	4,944.34	6	4,587.52	6	4,229.04	6	4,229.04	6	3,869.97	6	3,510.91	6	3,151.84	6	2,792.70
1/4		1/4		1/4		1/4		1/4	4,936.91	1/4	4,580.06	1/4	4,221.56	1/4	3,862.49	1/4	3,503.43	1/4	3,144.36
1/2		1/2		1/2		1/2		1/2	4,929.49	1/2	4,572.60	1/2	4,214.08	1/2	3,855.01	1/2	3,495.95	1/2	3,136.88
3/4		3/4		3/4		3/4		3/4	4,922.07	3/4	4,565.14	3/4	4,206.60	3/4	3,847.53	3/4	3,488.47	3/4	3,129.40
7	7	7	7	7	4,914.64	7	4,557.68	7	4,199.11	7	4,199.11	7	3,840.05	7	3,480.99	7	3,121.92	7	2,762.76
1/4		1/4		1/4		1/4		1/4	4,907.22	1/4	4,550.22	1/4	4,191.63	1/4	3,832.57	1/4	3,473.51	1/4	3,114.44
1/2		1/2		1/2		1/2		1/2	4,899.80	1/2	4,542.76	1/2	4,184.15	1/2	3,825.09	1/2	3,466.03	1/2	3,106.96
3/4		3/4		3/4		3/4		3/4	4,892.38	3/4	4,535.30	3/4	4,176.67	3/4	3,817.61	3/4	3,458.55	3/4	3,099.48
8	8	8	8	8	4,884.96	8	4,527.85	8	4,169.19	8	4,169.19	8	3,810.13	8	3,451.06	8	3,092.00	8	2,732.82
1/4		1/4		1/4		1/4		1/4	4,877.54	1/4	4,520.39	1/4	4,161.71	1/4	3,802.65	1/4	3,443.58	1/4	3,084.52
1/2		1/2		1/2		1/2		1/2	4,870.12	1/2	4,512.93	1/2	4,154.23	1/2	3,795.17	1/2	3,436.10	1/2	3,077.04
3/4		3/4		3/4		3/4		3/4	4,862.70	3/4	4,505.47	3/4	4,146.75	3/4	3,787.69	3/4	3,428.62	3/4	3,069.56
9	9	9	9	9	4,855.28	9	4,498.01	9	4,139.27	9	4,139.27	9	3,780.21	9	3,421.14	9	3,062.08	9	2,702.88
1/4		1/4		1/4		1/4		1/4	4,847.86	1/4	4,490.55	1/4	4,131.79	1/4	3,772.73	1/4	3,413.66	1/4	3,054.60
1/2		1/2		1/2		1/2		1/2	4,840.44	1/2	4,483.09	1/2	4,124.31	1/2	3,765.25	1/2	3,406.18	1/2	3,047.12
3/4		3/4		3/4		3/4		3/4	4,833.02	3/4	4,475.63	3/4	4,116.83	3/4	3,757.77	3/4	3,398.70	3/4	3,039.64
10	10	10	10	10	4,825.60	10	4,468.18	10	4,109.35	10	4,109.35	10	3,750.28	10	3,391.22	10	3,032.16	10	2,672.94
1/4		1/4		1/4		1/4		1/4	4,818.18	1/4	4,460.72	1/4	4,101.87	1/4	3,742.80	1/4	3,383.74	1/4	3,024.68
1/2		1/2		1/2		1/2		1/2	4,810.77	1/2	4,453.26	1/2	4,094.39	1/2	3,735.32	1/2	3,376.26	1/2	3,017.20
3/4		3/4		3/4		3/4		3/4	4,803.35	3/4	4,445.80	3/4	4,086.91	3/4	3,727.84	3/4	3,368.78	3/4	3,009.72
11	11	11	11	11	4,795.93	11	4,438.34	11	4,079.43	11	4,079.43	11	3,720.36	11	3,361.30	11	3,002.23	11	2,643.00
1/4		1/4		1/4		1/4		1/4	4,788.51	1/4	4,430.88	1/4	4,071.95	1/4	3,712.88	1/4	3,353.82	1/4	2,994.75
1/2		1/2		1/2		1/2		1/2	4,781.09	1/2	4,423.42	1/2	4,064.47	1/2	3,705.40	1/2	3,346.34	1/2	2,987.28
3/4		3/4		3/4		3/4		3/4	4,773.67	3/4	4,415.96	3/4	4,056.99	3/4	3,697.92	3/4	3,338.86	3/4	2,979.80

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD

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





BARGE "HTCO 3148"

2 PORT ULLAGE TABLE HERMETIC

GAUGE HEIGHT 17'-03 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,613.07	0	2,253.81	0	1,894.54	0	1,535.28	0	1,176.45	0	830.98	0	471.88	0	112.63	0			
1/4	2,605.58	1/4	2,246.32	1/4	1,887.06	1/4	1,527.80	1/4	1,169.10	1/4	823.65	1/4	464.40	1/4	105.15	1/4			
1/2	2,598.10	1/2	2,238.84	1/2	1,879.58	1/2	1,520.31	1/2	1,161.90	1/2	816.16	1/2	456.91	1/2	97.66	1/2			
3/4	2,590.61	3/4	2,231.35	3/4	1,872.09	3/4	1,512.83	3/4	1,154.70	3/4	808.68	3/4	449.43	3/4	90.18	3/4			
1	2,583.13	1	2,223.87	1	1,864.61	1	1,505.35	1	1,147.50	1	801.19	1	441.94	1	82.69	1			
1/4	2,575.64	1/4	2,216.38	1/4	1,857.12	1/4	1,497.86	1/4	1,140.30	1/4	793.71	1/4	434.46	1/4	75.21	1/4			
1/2	2,568.16	1/2	2,208.90	1/2	1,849.64	1/2	1,490.38	1/2	1,133.10	1/2	786.23	1/2	426.97	1/2	68.19	1/2			
3/4	2,560.67	3/4	2,201.41	3/4	1,842.15	3/4	1,482.89	3/4	1,125.91	3/4	778.74	3/4	419.49	3/4	61.17	3/4			
2	2,553.19	2	2,193.93	2	1,834.67	2	1,475.41	2	1,118.71	2	771.26	2	412.01	2	54.16	2			
1/4	2,545.70	1/4	2,186.44	1/4	1,827.18	1/4	1,467.92	1/4	1,111.52	1/4	763.77	1/4	404.52	1/4	47.14	1/4			
1/2	2,538.22	1/2	2,178.96	1/2	1,819.70	1/2	1,460.44	1/2	1,104.33	1/2	756.29	1/2	397.04	1/2	41.53	1/2			
3/4	2,530.74	3/4	2,171.47	3/4	1,812.21	3/4	1,452.95	3/4	1,097.14	3/4	748.80	3/4	389.55	3/4	35.92	3/4			
3	2,523.25	3	2,163.99	3	1,804.73	3	1,445.47	3	1,089.95	3	741.32	3	382.07	3	30.30	3			
1/4	2,515.77	1/4	2,156.51	1/4	1,797.24	1/4	1,437.98	1/4	1,082.76	1/4	733.83	1/4	374.58	1/4	24.69	1/4			
1/2	2,508.28	1/2	2,149.02	1/2	1,789.76	1/2	1,430.50	1/2	1,075.58	1/2	726.35	1/2	367.10	1/2	20.95	1/2			
3/4	2,500.80	3/4	2,141.54	3/4	1,782.28	3/4	1,423.01	3/4	1,068.40	3/4	718.87	3/4	359.61	3/4		3/4			
4	2,493.31	4	2,134.05	4	1,774.79	4	1,415.53	4	1,061.21	4	711.38	4	352.13	4		4			
1/4	2,485.83	1/4	2,126.57	1/4	1,767.31	1/4	1,408.05	1/4	1,054.03	1/4	703.90	1/4	344.65	1/4		1/4			
1/2	2,478.34	1/2	2,119.08	1/2	1,759.82	1/2	1,400.56	1/2	1,046.85	1/2	696.41	1/2	337.16	1/2		1/2			
3/4	2,470.86	3/4	2,111.60	3/4	1,752.34	3/4	1,393.08	3/4	1,039.67	3/4	688.93	3/4	329.68	3/4		3/4			
5	2,463.37	5	2,104.11	5	1,744.85	5	1,385.59	5	1,032.49	5	681.44	5	322.19	5		5			
1/4	2,455.89	1/4	2,096.63	1/4	1,737.37	1/4	1,378.11	1/4	1,025.30	1/4	673.96	1/4	314.71	1/4		1/4			
1/2	2,448.40	1/2	2,089.14	1/2	1,729.88	1/2	1,370.62	1/2	1,018.12	1/2	666.48	1/2	307.22	1/2		1/2			
3/4	2,440.92	3/4	2,081.66	3/4	1,722.40	3/4	1,363.14	3/4	1,010.94	3/4	658.99	3/4	299.74	3/4		3/4			
6	2,433.44	6	2,074.17	6	1,714.91	6	1,355.65	6	1,003.76	6	651.51	6	292.26	6		6			
1/4	2,425.95	1/4	2,066.69	1/4	1,707.43	1/4	1,348.17	1/4	996.58	1/4	644.02	1/4	284.77	1/4		1/4			
1/2	2,418.47	1/2	2,059.21	1/2	1,699.94	1/2	1,340.68	1/2	989.40	1/2	636.54	1/2	277.29	1/2		1/2			
3/4	2,410.98	3/4	2,051.72	3/4	1,692.46	3/4	1,333.20	3/4	982.22	3/4	629.05	3/4	269.80	3/4		3/4			
7	2,403.50	7	2,044.24	7	1,684.98	7	1,325.71	7	975.04	7	621.57	7	262.32	7		7			
1/4	2,396.01	1/4	2,036.75	1/4	1,677.49	1/4	1,318.23	1/4	967.86	1/4	614.08	1/4	254.83	1/4		1/4			
1/2	2,388.53	1/2	2,029.27	1/2	1,670.01	1/2	1,310.75	1/2	960.68	1/2	606.60	1/2	247.35	1/2		1/2			
3/4	2,381.04	3/4	2,021.78	3/4	1,662.52	3/4	1,303.26	3/4	953.50	3/4	599.12	3/4	239.86	3/4		3/4			
8	2,373.56	8	2,014.30	8	1,655.04	8	1,295.78	8	946.32	8	591.63	8	232.38	8		8			
1/4	2,366.07	1/4	2,006.81	1/4	1,647.55	1/4	1,288.29	1/4	939.14	1/4	584.15	1/4	224.90	1/4		1/4			
1/2	2,358.59	1/2	1,999.33	1/2	1,640.07	1/2	1,280.81	1/2	931.96	1/2	576.66	1/2	217.41	1/2		1/2			
3/4	2,351.10	3/4	1,991.84	3/4	1,632.58	3/4	1,273.32	3/4	924.78	3/4	569.18	3/4	209.93	3/4		3/4			
9	2,343.62	9	1,984.36	9	1,625.10	9	1,265.84	9	917.59	9	561.69	9	202.44	9		9			
1/4	2,336.14	1/4	1,976.87	1/4	1,617.61	1/4	1,258.35	1/4	910.41	1/4	554.21	1/4	194.96	1/4		1/4			
1/2	2,328.65	1/2	1,969.39	1/2	1,610.13	1/2	1,250.87	1/2	903.23	1/2	546.72	1/2	187.47	1/2		1/2			
3/4	2,321.17	3/4	1,961.91	3/4	1,602.64	3/4	1,243.38	3/4	896.05	3/4	539.24	3/4	179.99	3/4		3/4			
10	2,313.68	10	1,954.42	10	1,595.16	10	1,235.90	10	888.87	10	531.76	10	172.50	10		10			
1/4	2,306.20	1/4	1,946.94	1/4	1,587.68	1/4	1,228.41	1/4	881.69	1/4	524.27	1/4	165.02	1/4		1/4			
1/2	2,298.71	1/2	1,939.45	1/2	1,580.19	1/2	1,220.93	1/2	874.51	1/2	516.79	1/2	157.54	1/2		1/2			
3/4	2,291.23	3/4	1,931.97	3/4	1,572.71	3/4	1,213.45	3/4	867.33	3/4	509.30	3/4	150.05	3/4		3/4			
11	2,283.74	11	1,924.48	11	1,565.22	11	1,205.96	11	860.15	11	501.82	11	142.57	11		11			
1/4	2,276.26	1/4	1,917.00	1/4	1,557.74	1/4	1,198.48	1/4	852.97	1/4	494.33	1/4	135.08	1/4		1/4			
1/2	2,268.77	1/2	1,909.51	1/2	1,550.25	1/2	1,191.13	1/2	845.64	1/2	486.85	1/2	127.60	1/2		1/2			
3/4	2,261.29	3/4	1,902.03	3/4	1,542.77	3/4	1,183.79	3/4	838.31	3/4	479.37	3/4	120.11	3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/27/2015 CL
RECALCULATED: 10/15/2020 CL
REPRINTED: 10/15/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2020

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



BARGE "HTCO 3148"

2 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	0	0	0	0	4,782.44	0	4,424.53	0	4,065.36	0	3,706.12	0	3,346.88	0	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
1	1	1	1	1	1	1	5,097.38	1	4,752.75	1	4,394.65	1	4,035.42	1	3,676.18	1	3,316.95	1	2,957.68
1/4		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
1/2		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
3/4		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
2	2	2	2	2	2	2	5,075.16	2	4,723.00	2	4,364.72	2	4,005.48	2	3,646.25	2	3,287.01	2	2,927.73
1/4		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
1/2		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
3/4		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	3	3	3	3	3	3	5,048.86	3	4,693.17	3	4,334.78	3	3,975.55	3	3,616.31	3	3,257.07	3	2,897.78
1/4		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
1/2		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
3/4		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
4	4	4	4	4	4	4	5,019.96	4	4,663.32	4	4,304.85	4	3,945.61	4	3,586.37	4	3,227.14	4	2,867.83
1/4		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
1/2		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
3/4		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
5	5	5	5	5	5	5	4,990.32	5	4,633.48	5	4,274.91	5	3,915.68	5	3,556.44	5	3,197.20	5	2,837.87
1/4		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
1/2		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
3/4		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
6	6	6	6	6	6	6	4,960.61	6	4,603.63	6	4,244.98	6	3,885.74	6	3,526.50	6	3,167.27	6	2,807.92
1/4		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
1/2		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
3/4		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
7	7	7	7	7	7	7	4,930.91	7	4,573.78	7	4,215.04	7	3,855.80	7	3,496.57	7	3,137.33	7	2,777.97
1/4		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
1/2		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
3/4		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
8	8	8	8	8	8	8	4,901.21	8	4,543.93	8	4,185.10	8	3,825.87	8	3,466.63	8	3,107.39	8	2,748.02
1/4		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
1/2		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
3/4		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
9	9	9	9	9	9	9	4,871.51	9	4,514.08	9	4,155.17	9	3,795.93	9	3,436.69	9	3,077.46	9	2,718.06
1/4		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
1/2		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
3/4		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
10	10	10	10	10	10	10	4,841.82	10	4,484.23	10	4,125.23	10	3,765.99	10	3,406.76	10	3,047.52	10	2,688.11
1/4		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
1/2		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
3/4		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
11	11	11	11	11	11	11	4,812.13	11	4,454.38	11	4,095.29	11	3,736.06	11	3,376.82	11	3,017.58	11	2,658.16
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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "HTCO 3148"

2 STBD

ULLAGE TABLE HERMETIC

GAUGE HEIGHT 17'-03 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,628.21	0	2,268.78	0	1,909.35	0	1,549.92	0	1,190.49	0	831.52	0	472.10	0	112.68	0		0	
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	
1	2,598.26	1	2,238.83	1	1,879.40	1	1,519.97	1	1,160.54	1	801.57	1	442.15	1	82.73	1		1	
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	
2	2,568.30	2	2,208.87	2	1,849.45	2	1,490.02	2	1,130.60	2	771.62	2	412.20	2	54.18	2		2	
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	
3	2,538.35	3	2,178.92	3	1,819.49	3	1,460.06	3	1,100.66	3	741.67	3	382.25	3	30.32	3		3	
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	
4	2,508.40	4	2,148.97	4	1,789.54	4	1,430.11	4	1,070.74	4	711.72	4	352.30	4		4		4	
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	
5	2,478.45	5	2,119.02	5	1,759.59	5	1,400.16	5	1,040.84	5	681.76	5	322.35	5	5	5		5	
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	
6	2,448.49	6	2,089.06	6	1,729.64	6	1,370.21	6	1,010.94	6	651.81	6	292.39	6	6	6		6	
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	
7	2,418.54	7	2,059.11	7	1,699.68	7	1,340.25	7	981.04	7	621.86	7	262.44	7	7	7		7	
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	
8	2,388.59	8	2,029.16	8	1,669.73	8	1,310.30	8	951.14	8	591.91	8	232.49	8	8	8		8	
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	
9	2,358.64	9	1,999.21	9	1,639.78	9	1,280.35	9	921.24	9	561.96	9	202.54	9	9	9		9	
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	
10	2,328.68	10	1,969.25	10	1,609.83	10	1,250.40	10	891.34	10	532.01	10	172.59	10	10	10		10	
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	
11	2,298.73	11	1,939.30	11	1,579.87	11	1,220.44	11	861.44	11	502.05	11	142.64	11	11	11		11	
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		1/4	
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		1/2	
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		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/27/2015 CL
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CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2020

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



BARGE "HTCO 3148"

3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0	0	0	0	0	0	0	0	0	4,374.46	0	4,128.25	0	3,881.20	0	3,634.11	0	3,307.90	0	2,951.70		
1/4		1/4		1/4		1/4		1/4	4,369.36	1/4	4,123.12	1/4	3,876.06	1/4	3,628.96	1/4	3,300.50	1/4	2,944.27		
1/2		1/2		1/2		1/2		1/2	4,364.25	1/2	4,117.98	1/2	3,870.91	1/2	3,623.81	1/2	3,293.10	1/2	2,936.85		
3/4		3/4		3/4		3/4		3/4	4,359.14	3/4	4,112.84	3/4	3,865.76	3/4	3,618.67	3/4	3,285.69	3/4	2,929.42		
1	1	1	1	1	1	1	4,587.49	1	4,354.04	1	4,107.70	1	3,860.61	1	3,613.52	1	3,278.29	1	2,921.99		
1/4		1/4		1/4		1/4		1/4	4,585.04	1/4	4,348.93	1/4	4,102.56	1/4	3,608.37	1/4	3,270.89	1/4	2,914.57		
1/2		1/2		1/2		1/2		1/2	4,581.53	1/2	4,343.81	1/2	4,097.41	1/2	3,603.22	1/2	3,263.47	1/2	2,907.14		
3/4		3/4		3/4		3/4		3/4	4,578.02	3/4	4,338.69	3/4	4,092.26	3/4	3,598.08	3/4	3,256.06	3/4	2,899.71		
2	2	2	2	2	2	2	4,574.50	2	4,333.57	2	4,087.12	2	3,840.02	2	3,592.93	2	3,248.65	2	2,892.29		
1/4		1/4		1/4		1/4		1/4	4,570.99	1/4	4,328.45	1/4	4,081.97	1/4	3,587.78	1/4	3,241.23	1/4	2,884.86		
1/2		1/2		1/2		1/2		1/2	4,566.48	1/2	4,323.32	1/2	4,076.82	1/2	3,582.06	1/2	3,233.81	1/2	2,877.43		
3/4		3/4		3/4		3/4		3/4	4,561.97	3/4	4,318.19	3/4	4,071.67	3/4	3,576.34	3/4	3,226.38	3/4	2,870.01		
3	3	3	3	3	3	3	4,557.46	3	4,313.05	3	4,066.53	3	3,819.43	3	3,570.61	3	3,218.96	3	2,862.58		
1/4		1/4		1/4		1/4		1/4	4,552.95	1/4	4,307.92	1/4	4,061.38	1/4	3,564.89	1/4	3,211.54	1/4	2,855.15		
1/2		1/2		1/2		1/2		1/2	4,547.91	1/2	4,302.79	1/2	4,056.23	1/2	3,558.04	1/2	3,204.11	1/2	2,847.73		
3/4		3/4		3/4		3/4		3/4	4,542.87	3/4	4,297.65	3/4	4,051.08	3/4	3,551.18	3/4	3,196.69	3/4	2,840.30		
4	4	4	4	4	4	4	4,537.83	4	4,292.52	4	4,045.93	4	3,798.84	4	3,544.33	4	3,189.26	4	2,832.87		
1/4		1/4		1/4		1/4		1/4	4,532.78	1/4	4,287.39	1/4	4,040.79	1/4	3,537.47	1/4	3,181.84	1/4	2,825.45		
1/2		1/2		1/2		1/2		1/2	4,527.67	1/2	4,282.25	1/2	4,035.64	1/2	3,530.06	1/2	3,174.42	1/2	2,818.02		
3/4		3/4		3/4		3/4		3/4	4,522.57	3/4	4,277.12	3/4	4,030.49	3/4	3,522.64	3/4	3,166.99	3/4	2,810.59		
5	5	5	5	5	5	5	4,517.46	5	4,271.99	5	4,025.34	5	3,783.25	5	3,515.23	5	3,159.57	5	2,803.17		
1/4		1/4		1/4		1/4		1/4	4,512.35	1/4	4,266.85	1/4	4,020.20	1/4	3,777.10	1/4	3,507.81	1/4	3,152.15	1/4	2,795.74
1/2		1/2		1/2		1/2		1/2	4,507.24	1/2	4,261.72	1/2	4,015.05	1/2	3,767.95	1/2	3,500.40	1/2	3,144.72	1/2	2,788.31
3/4		3/4		3/4		3/4		3/4	4,502.13	3/4	4,256.59	3/4	4,009.90	3/4	3,762.81	3/4	3,492.99	3/4	3,137.30	3/4	2,780.89
6	6	6	6	6	6	6	4,497.02	6	4,251.45	6	4,004.75	6	3,757.66	6	3,485.58	6	3,129.87	6	2,773.46		
1/4		1/4		1/4		1/4		1/4	4,491.91	1/4	4,246.32	1/4	3,999.60	1/4	3,752.51	1/4	3,478.18	1/4	3,122.45	1/4	2,766.03
1/2		1/2		1/2		1/2		1/2	4,486.81	1/2	4,241.19	1/2	3,994.46	1/2	3,747.36	1/2	3,470.77	1/2	3,115.03	1/2	2,758.61
3/4		3/4		3/4		3/4		3/4	4,481.70	3/4	4,236.05	3/4	3,989.31	3/4	3,742.21	3/4	3,463.37	3/4	3,107.60	3/4	2,751.18
7	7	7	7	7	7	7	4,476.59	7	4,230.92	7	3,984.16	7	3,737.07	7	3,455.97	7	3,100.18	7	2,743.75		
1/4		1/4		1/4		1/4		1/4	4,471.48	1/4	4,225.79	1/4	3,979.01	1/4	3,731.92	1/4	3,448.56	1/4	3,092.75	1/4	2,736.33
1/2		1/2		1/2		1/2		1/2	4,466.37	1/2	4,220.65	1/2	3,973.87	1/2	3,726.77	1/2	3,441.16	1/2	3,085.33	1/2	2,728.90
3/4		3/4		3/4		3/4		3/4	4,461.27	3/4	4,215.52	3/4	3,968.72	3/4	3,721.62	3/4	3,433.76	3/4	3,077.91	3/4	2,721.47
8	8	8	8	8	8	8	4,456.16	8	4,210.39	8	3,963.57	8	3,716.48	8	3,426.35	8	3,070.48	8	2,714.05		
1/4		1/4		1/4		1/4		1/4	4,451.05	1/4	4,205.25	1/4	3,958.42	1/4	3,711.33	1/4	3,418.95	1/4	3,063.06	1/4	2,706.62
1/2		1/2		1/2		1/2		1/2	4,445.95	1/2	4,200.12	1/2	3,953.27	1/2	3,706.18	1/2	3,411.55	1/2	3,055.63	1/2	2,699.19
3/4		3/4		3/4		3/4		3/4	4,440.84	3/4	4,194.99	3/4	3,948.13	3/4	3,701.03	3/4	3,404.14	3/4	3,048.21	3/4	2,691.77
9	9	9	9	9	9	9	4,435.73	9	4,189.85	9	3,942.98	9	3,695.88	9	3,396.74	9	3,040.79	9	2,684.34		
1/4		1/4		1/4		1/4		1/4	4,430.63	1/4	4,184.72	1/4	3,937.83	1/4	3,690.74	1/4	3,389.34	1/4	3,033.36	1/4	2,676.91
1/2		1/2		1/2		1/2		1/2	4,425.52	1/2	4,179.59	1/2	3,932.68	1/2	3,685.59	1/2	3,381.93	1/2	3,025.94	1/2	2,669.49
3/4		3/4		3/4		3/4		3/4	4,420.42	3/4	4,174.45	3/4	3,927.54	3/4	3,680.44	3/4	3,374.53	3/4	3,018.52	3/4	2,662.06
10	10	10	10	10	10	10	4,415.31	10	4,169.32	10	3,922.39	10	3,675.29	10	3,675.29	10	3,367.13	10	3,011.09	10	2,654.63
1/4		1/4		1/4		1/4		1/4	4,410.20	1/4	4,164.19	1/4	3,917.24	1/4	3,670.15	1/4	3,359.72	1/4	3,003.67	1/4	2,647.21
1/2		1/2		1/2		1/2		1/2	4,405.10	1/2	4,159.05	1/2	3,912.09	1/2	3,665.00	1/2	3,352.32	1/2	2,996.24	1/2	2,639.78
3/4		3/4		3/4		3/4		3/4	4,399.99	3/4	4,153.92	3/4	3,906.94	3/4	3,659.85	3/4	3,344.92	3/4	2,988.82	3/4	2,632.35
11	11	11	11	11	11	11	4,394.89	11	4,148.79	11	3,901.80	11	3,654.70	11	3,337.52	11	2,981.40	11	2,624.93		
1/4		1/4		1/4		1/4		1/4	4,389.78	1/4	4,143.65	1/4	3,896.65	1/4	3,649.55	1/4	3,330.11	1/4	2,973.97	1/4	2,617.50
1/2		1/2		1/2		1/2		1/2	4,384.67	1/2	4,138.52	1/2	3,891.50	1/2	3,644.41	1/2	3,322.71	1/2	2,966.55	1/2	2,610.07
3/4		3/4		3/4		3/4		3/4	4,379.57	3/4	4,133.39	3/4	3,886.35	3/4	3,639.26	3/4	3,315.31	3/4	2,959.12	3/4	2,602.64

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 40'-00" FORWARD OF AFT BULKHEAD

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



BARGE "HTCO 3148"

3 PORT ULLAGE TABLE HERMETIC

GAUGE HEIGHT 17'-03 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,595.21	0	2,239.69	0	1,885.78	0	1,528.98	0	1,172.47	0	826.01	0	469.10	0	112.10	0		0	
1/4	2,587.78	1/4	2,232.31	1/4	1,878.37	1/4	1,521.55	1/4	1,165.14	1/4	818.69	1/4	461.67	1/4	104.65	1/4		1/4	
1/2	2,580.35	1/2	2,224.94	1/2	1,870.94	1/2	1,514.11	1/2	1,157.91	1/2	811.25	1/2	454.23	1/2	97.21	1/2		1/2	
3/4	2,572.91	3/4	2,217.57	3/4	1,863.50	3/4	1,506.68	3/4	1,150.69	3/4	803.82	3/4	446.79	3/4	89.76	3/4		3/4	
1	2,565.48	1	2,210.20	1	1,856.07	1	1,499.24	1	1,143.47	1	796.38	1	439.36	1	82.31	1		1	
1/4	2,558.05	1/4	2,202.83	1/4	1,848.64	1/4	1,491.81	1/4	1,136.24	1/4	788.94	1/4	431.92	1/4	74.86	1/4		1/4	
1/2	2,550.61	1/2	2,195.45	1/2	1,841.20	1/2	1,484.38	1/2	1,129.03	1/2	781.50	1/2	424.48	1/2	67.88	1/2		1/2	
3/4	2,543.18	3/4	2,188.08	3/4	1,833.77	3/4	1,476.94	3/4	1,121.81	3/4	774.06	3/4	417.05	3/4	60.90	3/4		3/4	
2	2,535.74	2	2,180.71	2	1,826.33	2	1,469.51	2	1,114.59	2	766.63	2	409.61	2	53.91	2		2	
1/4	2,528.31	1/4	2,173.34	1/4	1,818.90	1/4	1,462.07	1/4	1,107.37	1/4	759.19	1/4	402.17	1/4	46.93	1/4		1/4	
1/2	2,520.88	1/2	2,165.97	1/2	1,811.47	1/2	1,454.64	1/2	1,100.16	1/2	751.75	1/2	394.74	1/2	41.34	1/2		1/2	
3/4	2,513.44	3/4	2,158.60	3/4	1,804.03	3/4	1,447.21	3/4	1,092.95	3/4	744.31	3/4	387.30	3/4	35.75	3/4		3/4	
3	2,506.01	3	2,151.23	3	1,796.60	3	1,439.77	3	1,085.74	3	736.87	3	379.86	3	30.16	3		3	
1/4	2,498.57	1/4	2,143.86	1/4	1,789.17	1/4	1,432.34	1/4	1,078.53	1/4	729.44	1/4	372.43	1/4	24.58	1/4		1/4	
1/2	2,491.16	1/2	2,136.49	1/2	1,781.73	1/2	1,424.90	1/2	1,071.32	1/2	722.00	1/2	364.99	1/2	20.85	1/2		1/2	
3/4	2,483.74	3/4	2,129.12	3/4	1,774.30	3/4	1,417.47	3/4	1,064.11	3/4	714.56	3/4	357.55	3/4		3/4		3/4	
4	2,476.33	4	2,121.74	4	1,766.86	4	1,410.04	4	1,056.90	4	707.12	4	350.12	4		4		4	
1/4	2,468.92	1/4	2,114.37	1/4	1,759.43	1/4	1,402.60	1/4	1,049.70	1/4	699.68	1/4	342.68	1/4		1/4		1/4	
1/2	2,461.52	1/2	2,107.00	1/2	1,752.00	1/2	1,395.17	1/2	1,042.49	1/2	692.24	1/2	335.24	1/2		1/2		1/2	
3/4	2,454.12	3/4	2,099.63	3/4	1,744.56	3/4	1,387.73	3/4	1,035.29	3/4	684.81	3/4	327.80	3/4		3/4		3/4	
5	2,446.73	5	2,092.26	5	1,737.13	5	1,380.30	5	1,028.08	5	677.37	5	320.37	5		5		5	
1/4	2,439.33	1/4	2,084.89	1/4	1,729.69	1/4	1,372.87	1/4	1,020.88	1/4	669.93	1/4	312.93	1/4		1/4		1/4	
1/2	2,431.94	1/2	2,077.52	1/2	1,722.26	1/2	1,365.43	1/2	1,013.67	1/2	662.49	1/2	305.49	1/2		1/2		1/2	
3/4	2,424.54	3/4	2,070.15	3/4	1,714.83	3/4	1,358.00	3/4	1,006.47	3/4	655.05	3/4	298.06	3/4		3/4		3/4	
6	2,417.15	6	2,062.78	6	1,707.39	6	1,350.57	6	999.27	6	647.62	6	290.62	6		6		6	
1/4	2,409.75	1/4	2,055.41	1/4	1,699.96	1/4	1,343.13	1/4	992.06	1/4	640.18	1/4	283.18	1/4		1/4		1/4	
1/2	2,402.36	1/2	2,048.03	1/2	1,692.52	1/2	1,335.70	1/2	984.86	1/2	632.74	1/2	275.75	1/2		1/2		1/2	
3/4	2,394.96	3/4	2,040.66	3/4	1,685.09	3/4	1,328.26	3/4	977.65	3/4	625.30	3/4	268.31	3/4		3/4		3/4	
7	2,387.57	7	2,033.29	7	1,677.66	7	1,320.83	7	970.45	7	617.86	7	260.87	7		7		7	
1/4	2,380.17	1/4	2,025.92	1/4	1,670.22	1/4	1,313.40	1/4	963.24	1/4	610.43	1/4	253.44	1/4		1/4		1/4	
1/2	2,372.77	1/2	2,018.55	1/2	1,662.79	1/2	1,305.96	1/2	956.04	1/2	602.99	1/2	246.00	1/2		1/2		1/2	
3/4	2,365.38	3/4	2,011.18	3/4	1,655.36	3/4	1,298.53	3/4	948.84	3/4	595.55	3/4	238.56	3/4		3/4		3/4	
8	2,357.98	8	2,003.81	8	1,647.92	8	1,291.09	8	941.63	8	588.11	8	231.12	8		8		8	
1/4	2,350.59	1/4	1,996.44	1/4	1,640.49	1/4	1,283.66	1/4	934.43	1/4	580.67	1/4	223.69	1/4		1/4		1/4	
1/2	2,343.19	1/2	1,989.07	1/2	1,633.05	1/2	1,276.23	1/2	927.22	1/2	573.24	1/2	216.25	1/2		1/2		1/2	
3/4	2,335.80	3/4	1,981.70	3/4	1,625.62	3/4	1,268.79	3/4	920.02	3/4	565.80	3/4	208.81	3/4		3/4		3/4	
9	2,328.40	9	1,974.32	9	1,618.19	9	1,261.36	9	912.82	9	558.36	9	201.37	9		9		9	
1/4	2,321.01	1/4	1,966.95	1/4	1,610.75	1/4	1,253.92	1/4	905.61	1/4	550.92	1/4	193.93	1/4		1/4		1/4	
1/2	2,313.61	1/2	1,959.58	1/2	1,603.32	1/2	1,246.49	1/2	898.41	1/2	543.48	1/2	186.50	1/2		1/2		1/2	
3/4	2,306.22	3/4	1,952.21	3/4	1,595.88	3/4	1,239.06	3/4	891.20	3/4	536.04	3/4	179.06	3/4		3/4		3/4	
10	2,298.82	10	1,944.84	10	1,588.45	10	1,231.62	10	884.00	10	528.61	10	171.62	10		10		10	
1/4	2,291.43	1/4	1,937.47	1/4	1,581.02	1/4	1,224.19	1/4	876.79	1/4	521.17	1/4	164.18	1/4		1/4		1/4	
1/2	2,284.03	1/2	1,930.10	1/2	1,573.58	1/2	1,216.76	1/2	869.59	1/2	513.73	1/2	156.74	1/2		1/2		1/2	
3/4	2,276.63	3/4	1,922.73	3/4	1,566.15	3/4	1,209.32	3/4	862.39	3/4	506.29	3/4	149.30	3/4		3/4		3/4	
11	2,269.24	11	1,915.36	11	1,558.71	11	1,201.89	11	855.18	11	498.85	11	141.86	11		11		11	
1/4	2,261.84	1/4	1,907.99	1/4	1,551.28	1/4	1,194.45	1/4	847.98	1/4	491.42	1/4	134.42	1/4		1/4		1/4	
1/2	2,254.46	1/2	1,900.58	1/2	1,543.85	1/2	1,187.12	1/2	840.66	1/2	483.98	1/2	126.98	1/2		1/2		1/2	
3/4	2,247.08	3/4	1,893.18	3/4	1,536.41	3/4	1,179.80	3/4	833.34	3/4	476.54	3/4	119.54	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/27/2015 CL
RECALCULATED: 10/15/2020 CL
REPRINTED: 10/15/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2020

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



BARGE "HTCO 3148"

3 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,395.17	0	4,148.96	0	3,901.90	0	3,654.80	0	3,328.21	0	2,971.31		
1/4		1/4		1/4		1/4	4,390.06	1/4	4,143.82	1/4	3,896.75	1/4	3,649.65	1/4	3,323.09	1/4	2,966.19	1/4	2,963.87
1/2		1/2		1/2		1/2	4,384.96	1/2	4,138.68	1/2	3,891.60	1/2	3,644.50	1/2	3,317.97	1/2	2,961.07	1/2	2,959.75
3/4		3/4		3/4		3/4	4,379.85	3/4	4,133.54	3/4	3,886.45	3/4	3,639.35	3/4	3,312.84	3/4	2,955.94	3/4	2,948.99
1		1		1		1	4,608.21	1	4,374.75	1	4,128.40	1	3,881.31	1	3,634.21	1	3,298.54	1	2,941.55
1/4		1/4		1/4		1/4	4,605.76	1/4	4,369.64	1/4	4,123.26	1/4	3,876.16	1/4	3,629.06	1/4	3,293.42	1/4	2,936.11
1/2		1/2		1/2		1/2	4,602.25	1/2	4,364.52	1/2	4,118.11	1/2	3,871.01	1/2	3,623.91	1/2	3,288.29	1/2	2,930.66
3/4		3/4		3/4		3/4	4,598.74	3/4	4,359.40	3/4	4,112.96	3/4	3,865.86	3/4	3,618.76	3/4	3,283.16	3/4	2,925.21
2		2		2		2	4,595.22	2	4,354.28	2	4,107.81	2	3,860.71	2	3,613.62	2	3,278.04	2	2,919.78
1/4		1/4		1/4		1/4	4,591.71	1/4	4,349.16	1/4	4,102.67	1/4	3,855.57	1/4	3,608.47	1/4	3,272.91	1/4	2,914.33
1/2		1/2		1/2		1/2	4,587.20	1/2	4,344.03	1/2	4,097.52	1/2	3,850.42	1/2	3,603.37	1/2	3,267.78	1/2	2,908.88
3/4		3/4		3/4		3/4	4,582.69	3/4	4,338.90	3/4	4,092.37	3/4	3,845.27	3/4	3,598.27	3/4	3,262.65	3/4	2,903.43
3		3		3		3	4,578.18	3	4,333.76	3	4,087.22	3	3,840.12	3	3,593.17	3	3,257.52	3	2,897.98
1/4		1/4		1/4		1/4	4,573.67	1/4	4,328.63	1/4	4,082.07	1/4	3,834.98	1/4	3,588.07	1/4	3,252.39	1/4	2,892.53
1/2		1/2		1/2		1/2	4,568.63	1/2	4,323.49	1/2	4,076.93	1/2	3,829.83	1/2	3,582.97	1/2	3,247.26	1/2	2,887.08
3/4		3/4		3/4		3/4	4,563.58	3/4	4,318.36	3/4	4,071.78	3/4	3,824.68	3/4	3,577.87	3/4	3,242.13	3/4	2,881.63
4		4		4		4	4,558.54	4	4,313.23	4	4,066.63	4	3,819.53	4	3,572.77	4	3,237.01	4	2,876.18
1/4		1/4		1/4		1/4	4,553.50	1/4	4,308.09	1/4	4,061.48	1/4	3,814.38	1/4	3,567.67	1/4	3,231.88	1/4	2,870.73
1/2		1/2		1/2		1/2	4,548.39	1/2	4,302.96	1/2	4,056.33	1/2	3,809.24	1/2	3,562.57	1/2	3,226.75	1/2	2,865.28
3/4		3/4		3/4		3/4	4,543.28	3/4	4,297.83	3/4	4,051.19	3/4	3,804.09	3/4	3,557.47	3/4	3,221.62	3/4	2,859.83
5		5		5		5	4,538.17	5	4,292.69	5	4,046.04	5	3,798.94	5	3,552.37	5	3,216.50	5	2,854.38
1/4		1/4		1/4		1/4	4,533.06	1/4	4,287.56	1/4	4,040.89	1/4	3,793.79	1/4	3,547.27	1/4	3,211.37	1/4	2,848.93
1/2		1/2		1/2		1/2	4,527.95	1/2	4,282.43	1/2	4,035.74	1/2	3,788.64	1/2	3,542.17	1/2	3,206.24	1/2	2,843.48
3/4		3/4		3/4		3/4	4,522.84	3/4	4,277.29	3/4	4,030.60	3/4	3,783.50	3/4	3,537.07	3/4	3,201.11	3/4	2,838.03
6		6		6		6	4,517.74	6	4,272.16	6	4,025.45	6	3,778.35	6	3,531.97	6	3,195.98	6	2,832.58
1/4		1/4		1/4		1/4	4,512.63	1/4	4,267.03	1/4	4,020.30	1/4	3,773.20	1/4	3,526.87	1/4	3,190.85	1/4	2,827.13
1/2		1/2		1/2		1/2	4,507.52	1/2	4,261.89	1/2	4,015.15	1/2	3,768.05	1/2	3,521.77	1/2	3,185.72	1/2	2,821.68
3/4		3/4		3/4		3/4	4,502.41	3/4	4,256.76	3/4	4,010.00	3/4	3,762.90	3/4	3,516.67	3/4	3,180.59	3/4	2,816.23
7		7		7		7	4,497.30	7	4,251.63	7	4,004.86	7	3,757.76	7	3,511.57	7	3,175.46	7	2,810.78
1/4		1/4		1/4		1/4	4,492.19	1/4	4,246.49	1/4	3,999.71	1/4	3,752.61	1/4	3,506.47	1/4	3,170.33	1/4	2,805.33
1/2		1/2		1/2		1/2	4,487.08	1/2	4,241.36	1/2	3,994.56	1/2	3,747.46	1/2	3,501.37	1/2	3,165.20	1/2	2,800.11
3/4		3/4		3/4		3/4	4,481.98	3/4	4,236.23	3/4	3,989.41	3/4	3,742.31	3/4	3,496.27	3/4	3,160.07	3/4	2,794.66
8		8		8		8	4,476.87	8	4,231.09	8	3,984.26	8	3,737.17	8	3,491.17	8	3,154.94	8	2,789.21
1/4		1/4		1/4		1/4	4,471.76	1/4	4,225.96	1/4	3,979.12	1/4	3,732.02	1/4	3,486.07	1/4	3,149.81	1/4	2,783.76
1/2		1/2		1/2		1/2	4,466.66	1/2	4,220.82	1/2	3,973.97	1/2	3,726.87	1/2	3,480.97	1/2	3,144.68	1/2	2,778.31
3/4		3/4		3/4		3/4	4,461.55	3/4	4,215.69	3/4	3,968.82	3/4	3,721.72	3/4	3,475.87	3/4	3,139.55	3/4	2,772.86
9		9		9		9	4,456.44	9	4,210.56	9	3,963.67	9	3,716.57	9	3,470.77	9	3,134.42	9	2,767.41
1/4		1/4		1/4		1/4	4,451.34	1/4	4,205.42	1/4	3,958.52	1/4	3,711.43	1/4	3,465.67	1/4	3,129.29	1/4	2,761.96
1/2		1/2		1/2		1/2	4,446.23	1/2	4,200.29	1/2	3,953.38	1/2	3,706.28	1/2	3,460.57	1/2	3,124.16	1/2	2,756.51
3/4		3/4		3/4		3/4	4,441.12	3/4	4,195.16	3/4	3,948.23	3/4	3,701.13	3/4	3,455.47	3/4	3,119.03	3/4	2,751.06
10		10		10		10	4,436.02	10	4,190.02	10	3,943.08	10	3,695.98	10	3,450.37	10	3,113.90	10	2,745.61
1/4		1/4		1/4		1/4	4,430.91	1/4	4,184.89	1/4	3,937.93	1/4	3,690.83	1/4	3,445.27	1/4	3,108.77	1/4	2,740.16
1/2		1/2		1/2		1/2	4,425.81	1/2	4,179.76	1/2	3,932.79	1/2	3,685.69	1/2	3,440.17	1/2	3,103.64	1/2	2,734.71
3/4		3/4		3/4		3/4	4,420.70	3/4	4,174.62	3/4	3,927.64	3/4	3,680.54	3/4	3,435.07	3/4	3,098.51	3/4	2,729.26
11		11		11		11	4,415.59	11	4,169.49	11	3,922.49	11	3,675.39	11	3,429.97	11	3,093.38	11	2,723.81
1/4		1/4		1/4		1/4	4,410.49	1/4	4,164.36	1/4	3,917.34	1/4	3,670.24	1/4	3,424.87	1/4	3,088.25	1/4	2,718.36
1/2		1/2		1/2		1/2	4,405.38	1/2	4,159.22	1/2	3,912.19	1/2	3,665.09	1/2	3,419.77	1/2	3,083.12	1/2	2,712.91
3/4		3/4		3/4		3/4	4,400.28	3/4	4,154.09	3/4	3,907.05	3/4	3,659.95	3/4	3,414.67	3/4	3,077.99	3/4	2,707.46

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 40'-00" FORWARD OF AFT BULKHEAD

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



BARGE "HTCO 3148"

3 STBD

ULLAGE TABLE HERMETIC

GAUGE HEIGHT 17'-03 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,614.12	0	2,256.60	0	1,899.09	0	1,541.58	0	1,184.06	0	827.09	0	469.59	0	112.09	0			
1/4	2,606.67	1/4	2,249.16	1/4	1,891.64	1/4	1,534.13	1/4	1,176.62	1/4	819.66	1/4	462.15	1/4	104.64	1/4			
1/2	2,599.22	1/2	2,241.71	1/2	1,884.19	1/2	1,526.68	1/2	1,169.17	1/2	812.21	1/2	454.70	1/2	97.19	1/2			
3/4	2,591.77	3/4	2,234.26	3/4	1,876.75	3/4	1,519.23	3/4	1,161.72	3/4	804.76	3/4	447.25	3/4	89.74	3/4			
1	2,584.32	1	2,226.81	1	1,869.30	1	1,511.78	1	1,154.27	1	797.31	1	439.80	1	82.29	1			
1/4	2,576.88	1/4	2,219.36	1/4	1,861.85	1/4	1,504.34	1/4	1,146.82	1/4	789.86	1/4	432.35	1/4	74.85	1/4			
1/2	2,569.43	1/2	2,211.91	1/2	1,854.40	1/2	1,496.89	1/2	1,139.38	1/2	782.42	1/2	424.91	1/2	67.86	1/2			
3/4	2,561.98	3/4	2,204.47	3/4	1,846.95	3/4	1,489.44	3/4	1,131.93	3/4	774.97	3/4	417.46	3/4	60.88	3/4			
2	2,554.53	2	2,197.02	2	1,839.50	2	1,481.99	2	1,124.49	2	767.52	2	410.01	2	53.90	2			
1/4	2,547.08	1/4	2,189.57	1/4	1,832.06	1/4	1,474.54	1/4	1,117.05	1/4	760.07	1/4	402.56	1/4	46.92	1/4			
1/2	2,539.64	1/2	2,182.12	1/2	1,824.61	1/2	1,467.09	1/2	1,109.60	1/2	752.62	1/2	395.11	1/2	41.33	1/2			
3/4	2,532.19	3/4	2,174.67	3/4	1,817.16	3/4	1,459.65	3/4	1,102.16	3/4	745.17	3/4	387.67	3/4	35.74	3/4			
3	2,524.74	3	2,167.23	3	1,809.71	3	1,452.20	3	1,094.72	3	737.73	3	380.22	3	30.16	3			
1/4	2,517.29	1/4	2,159.78	1/4	1,802.26	1/4	1,444.75	1/4	1,087.28	1/4	730.28	1/4	372.77	1/4	24.57	1/4			
1/2	2,509.84	1/2	2,152.33	1/2	1,794.82	1/2	1,437.30	1/2	1,079.85	1/2	722.83	1/2	365.32	1/2	20.85	1/2			
3/4	2,502.39	3/4	2,144.88	3/4	1,787.37	3/4	1,429.85	3/4	1,072.41	3/4	715.38	3/4	357.87	3/4		3/4			
4	2,494.95	4	2,137.43	4	1,779.92	4	1,422.41	4	1,064.98	4	707.93	4	350.43	4		4			
1/4	2,487.50	1/4	2,129.98	1/4	1,772.47	1/4	1,414.96	1/4	1,057.54	1/4	700.49	1/4	342.98	1/4		1/4			
1/2	2,480.05	1/2	2,122.54	1/2	1,765.02	1/2	1,407.51	1/2	1,050.11	1/2	693.04	1/2	335.53	1/2		1/2			
3/4	2,472.60	3/4	2,115.09	3/4	1,757.57	3/4	1,400.06	3/4	1,042.67	3/4	685.59	3/4	328.08	3/4		3/4			
5	2,465.15	5	2,107.64	5	1,750.13	5	1,392.61	5	1,035.24	5	678.14	5	320.63	5		5			
1/4	2,457.71	1/4	2,100.19	1/4	1,742.68	1/4	1,385.16	1/4	1,027.81	1/4	670.69	1/4	313.18	1/4		1/4			
1/2	2,450.26	1/2	2,092.74	1/2	1,735.23	1/2	1,377.72	1/2	1,020.37	1/2	663.25	1/2	305.74	1/2		1/2			
3/4	2,442.81	3/4	2,085.30	3/4	1,727.78	3/4	1,370.27	3/4	1,012.94	3/4	655.80	3/4	298.29	3/4		3/4			
6	2,435.36	6	2,077.85	6	1,720.33	6	1,362.82	6	1,005.51	6	648.35	6	290.84	6		6			
1/4	2,427.91	1/4	2,070.40	1/4	1,712.89	1/4	1,355.37	1/4	998.07	1/4	640.90	1/4	283.39	1/4		1/4			
1/2	2,420.46	1/2	2,062.95	1/2	1,705.44	1/2	1,347.92	1/2	990.64	1/2	633.45	1/2	275.94	1/2		1/2			
3/4	2,413.02	3/4	2,055.50	3/4	1,697.99	3/4	1,340.48	3/4	983.21	3/4	626.00	3/4	268.50	3/4		3/4			
7	2,405.57	7	2,048.05	7	1,690.54	7	1,333.03	7	975.78	7	618.56	7	261.05	7		7			
1/4	2,398.12	1/4	2,040.61	1/4	1,683.09	1/4	1,325.58	1/4	968.34	1/4	611.11	1/4	253.60	1/4		1/4			
1/2	2,390.67	1/2	2,033.16	1/2	1,675.64	1/2	1,318.13	1/2	960.91	1/2	603.66	1/2	246.15	1/2		1/2			
3/4	2,383.22	3/4	2,025.71	3/4	1,668.20	3/4	1,310.68	3/4	953.48	3/4	596.21	3/4	238.70	3/4		3/4			
8	2,375.78	8	2,018.26	8	1,660.75	8	1,303.23	8	946.04	8	588.76	8	231.26	8		8			
1/4	2,368.33	1/4	2,010.81	1/4	1,653.30	1/4	1,295.79	1/4	938.61	1/4	581.32	1/4	223.81	1/4		1/4			
1/2	2,360.88	1/2	2,003.37	1/2	1,645.85	1/2	1,288.34	1/2	931.18	1/2	573.87	1/2	216.36	1/2		1/2			
3/4	2,353.43	3/4	1,995.92	3/4	1,638.40	3/4	1,280.89	3/4	923.74	3/4	566.42	3/4	208.91	3/4		3/4			
9	2,345.98	9	1,988.47	9	1,630.96	9	1,273.44	9	916.31	9	558.97	9	201.46	9		9			
1/4	2,338.53	1/4	1,981.02	1/4	1,623.51	1/4	1,265.99	1/4	908.88	1/4	551.52	1/4	194.02	1/4		1/4			
1/2	2,331.09	1/2	1,973.57	1/2	1,616.06	1/2	1,258.55	1/2	901.44	1/2	544.08	1/2	186.57	1/2		1/2			
3/4	2,323.64	3/4	1,966.12	3/4	1,608.61	3/4	1,251.10	3/4	894.01	3/4	536.63	3/4	179.12	3/4		3/4			
10	2,316.19	10	1,958.68	10	1,601.16	10	1,243.65	10	886.58	10	529.18	10	171.67	10		10			
1/4	2,308.74	1/4	1,951.23	1/4	1,593.71	1/4	1,236.20	1/4	879.14	1/4	521.73	1/4	164.22	1/4		1/4			
1/2	2,301.29	1/2	1,943.78	1/2	1,586.27	1/2	1,228.75	1/2	871.71	1/2	514.28	1/2	156.77	1/2		1/2			
3/4	2,293.85	3/4	1,936.33	3/4	1,578.82	3/4	1,221.30	3/4	864.28	3/4	506.84	3/4	149.33	3/4		3/4			
11	2,286.40	11	1,928.88	11	1,571.37	11	1,213.86	11	856.85	11	499.39	11	141.88	11		11			
1/4	2,278.95	1/4	1,921.44	1/4	1,563.92	1/4	1,206.41	1/4	849.41	1/4	491.94	1/4	134.43	1/4		1/4			
1/2	2,271.50	1/2	1,913.99	1/2	1,556.47	1/2	1,198.96	1/2	841.97	1/2	484.49	1/2	126.98	1/2		1/2			
3/4	2,264.05	3/4	1,906.54	3/4	1,549.03	3/4	1,191.51	3/4	834.53	3/4	477.04	3/4	119.53	3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/27/2015 CL
RECALCULATED: 10/15/2020 CL
REPRINTED: 10/15/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2020

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