



BARGE "HTCO 3068"

ULLAGE (HERMETIC)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2
1 STBD	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2
2 PORT	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2
2 STBD	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2
3 PORT	01-1/4	- 01-1/4	02-1/2	- 02-1/2	03-3/4	- 03-3/4	05-0/8	- 05-0/8	06-1/4	- 06-1/4	07-1/2	- 07-1/2
3 STBD	01-1/4	- 01-1/4	02-1/2	- 02-1/2	03-3/4	- 03-3/4	05-0/8	- 05-0/8	06-1/4	- 06-1/4	07-1/2	- 07-1/2

(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 - 00-1/2"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 1/2"

September 12, 2019

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HTCO 3068"

1 PORT ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 16'-10 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	4,927.77	0	4,570.46	0	4,213.15	0	3,855.84	0	3,498.52	0	3,141.21	0	2,783.90
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,920.33	1/4	4,563.01	1/4	4,205.70	1/4	3,848.39	1/4	3,491.08	1/4	3,133.77	1/4	2,776.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,912.88	1/2	4,555.57	1/2	4,198.26	1/2	3,840.95	1/2	3,483.63	1/2	3,126.32	1/2	2,769.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,905.44	3/4	4,548.12	3/4	4,190.81	3/4	3,833.50	3/4	3,476.19	3/4	3,118.88	3/4	2,761.56
1	1	1	1	1	1	1	4,898.00	1	4,540.68	1	4,183.37	1	3,826.06	1	3,468.75	1	3,111.44	1	2,754.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,890.55	1/4	4,533.24	1/4	4,175.93	1/4	3,818.61	1/4	3,461.30	1/4	3,103.99	1/4	2,746.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,883.11	1/2	4,525.79	1/2	4,168.48	1/2	3,811.17	1/2	3,453.86	1/2	3,096.55	1/2	2,739.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,875.66	3/4	4,518.35	3/4	4,161.04	3/4	3,803.72	3/4	3,446.41	3/4	3,089.10	3/4	2,731.79
2	2	2	2	2	2	2	4,868.22	2	4,510.91	2	4,153.60	2	3,796.28	2	3,438.97	2	3,081.66	2	2,724.35
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,860.77	1/4	4,503.46	1/4	4,146.15	1/4	3,788.84	1/4	3,431.53	1/4	3,074.21	1/4	2,716.90
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,853.33	1/2	4,496.02	1/2	4,138.71	1/2	3,781.39	1/2	3,424.08	1/2	3,066.77	1/2	2,709.46
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,845.88	3/4	4,488.57	3/4	4,131.26	3/4	3,773.95	3/4	3,416.64	3/4	3,059.32	3/4	2,702.01
3	3	3	3	3	3	3	4,838.44	3	4,481.13	3	4,123.82	3	3,766.51	3	3,409.20	3	3,051.88	3	2,694.57
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,831.00	1/4	4,473.69	1/4	4,116.37	1/4	3,759.06	1/4	3,401.75	1/4	3,044.43	1/4	2,687.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,823.55	1/2	4,466.24	1/2	4,108.93	1/2	3,751.62	1/2	3,394.31	1/2	3,036.99	1/2	2,679.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,816.11	3/4	4,458.80	3/4	4,101.48	3/4	3,744.17	3/4	3,386.86	3/4	3,029.55	3/4	2,672.24
4	4	4	4	4	4	4	4,808.67	4	4,451.36	4	4,094.04	4	3,736.73	4	3,379.42	4	3,022.11	4	2,664.80
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,801.22	1/4	4,443.91	1/4	4,086.60	1/4	3,729.29	1/4	3,371.97	1/4	3,014.66	1/4	2,657.35
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,793.78	1/2	4,436.47	1/2	4,079.15	1/2	3,721.84	1/2	3,364.53	1/2	3,007.22	1/2	2,649.91
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,786.33	3/4	4,429.02	3/4	4,071.71	3/4	3,714.40	3/4	3,357.08	3/4	2,999.77	3/4	2,642.46
5	5	5	5	5	5	5	4,778.89	5	4,421.58	5	4,064.27	5	3,706.96	5	3,349.64	5	2,992.33	5	2,635.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,771.45	1/4	4,414.13	1/4	4,056.82	1/4	3,699.51	1/4	3,342.20	1/4	2,984.88	1/4	2,627.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,764.00	1/2	4,406.69	1/2	4,049.38	1/2	3,692.07	1/2	3,334.75	1/2	2,977.44	1/2	2,620.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,756.56	3/4	4,399.24	3/4	4,041.93	3/4	3,684.62	3/4	3,327.31	3/4	2,970.00	3/4	2,612.68
6	6	6	6	6	6	6	4,749.12	6	4,391.80	6	4,034.49	6	3,677.18	6	3,319.87	6	2,962.56	6	2,605.24
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,741.67	1/4	4,384.36	1/4	4,027.05	1/4	3,669.73	1/4	3,312.42	1/4	2,955.11	1/4	2,597.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,734.23	1/2	4,376.91	1/2	4,019.60	1/2	3,662.29	1/2	3,304.98	1/2	2,947.67	1/2	2,590.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,726.78	3/4	4,369.47	3/4	4,012.16	3/4	3,654.84	3/4	3,297.53	3/4	2,940.22	3/4	2,582.91
7	7	7	7	7	7	7	4,719.34	7	4,362.03	7	4,004.72	7	3,647.40	7	3,290.09	7	2,932.78	7	2,575.47
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,711.89	1/4	4,354.58	1/4	3,997.27	1/4	3,639.96	1/4	3,282.65	1/4	2,925.33	1/4	2,568.02
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,704.45	1/2	4,347.14	1/2	3,989.83	1/2	3,632.51	1/2	3,275.20	1/2	2,917.89	1/2	2,560.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,041.26	3/4	4,697.00	3/4	4,339.69	3/4	3,982.38	3/4	3,625.07	3/4	3,267.76	3/4	2,910.44
8	8	8	8	8	8	8	4,689.56	8	4,332.25	8	3,974.94	8	3,617.63	8	3,260.32	8	2,903.00	8	2,545.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,031.08	1/4	4,682.12	1/4	4,324.81	1/4	3,967.49	1/4	3,610.18	1/4	3,252.87	1/4	2,895.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,025.42	1/2	4,674.67	1/2	4,317.36	1/2	3,960.05	1/2	3,602.74	1/2	3,245.43	1/2	2,888.11
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,019.77	3/4	4,667.23	3/4	4,309.92	3/4	3,952.60	3/4	3,595.29	3/4	3,237.98	3/4	2,880.67
9	9	9	9	9	9	9	5,014.11	9	4,659.79	9	4,302.48	9	3,945.16	9	3,587.85	9	3,230.54	9	2,873.23
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,007.32	1/4	4,652.34	1/4	4,295.03	1/4	3,937.72	1/4	3,580.41	1/4	3,223.09	1/4	2,865.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,000.53	1/2	4,644.90	1/2	4,287.59	1/2	3,930.27	1/2	3,572.96	1/2	3,215.65	1/2	2,858.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,993.74	3/4	4,637.45	3/4	4,280.14	3/4	3,922.83	3/4	3,565.52	3/4	3,208.20	3/4	2,850.89
10	10	10	10	10	10	10	4,986.95	10	4,630.01	10	4,272.70	10	3,915.39	10	3,558.08	10	3,200.76	10	2,843.45
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,979.60	1/4	4,622.57	1/4	4,265.25	1/4	3,907.94	1/4	3,550.63	1/4	3,193.32	1/4	2,836.00
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,972.25	1/2	4,615.12	1/2	4,257.81	1/2	3,900.50	1/2	3,543.19	1/2	3,185.87	1/2	2,828.56
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,964.90	3/4	4,607.68	3/4	4,250.36	3/4	3,893.05	3/4	3,535.74	3/4	3,178.43	3/4	2,821.12
11	11	11	11	11	11	11	4,957.55	11	4,600.24	11	4,242.92	11	3,885.61	11	3,528.30	11	3,170.99	11	2,813.68
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,950.10	1/4	4,592.79	1/4	4,235.48	1/4	3,878.17	1/4	3,520.85	1/4	3,163.54	1/4	2,806.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,942.66	1/2	4,585.35	1/2	4,228.03	1/2	3,870.72	1/2	3,513.41	1/2	3,156.10	1/2	2,798.79
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,935.21	3/4	4,577.90	3/4	4,220.59	3/4	3,863.28	3/4	3,505.96	3/4	3,148.65	3/4	2,791.34

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 48'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "HTCO 3068"

1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,426.59	0	2,069.28	0	1,711.96	0	1,354.65	0	997.34	0	640.03	0	284.19	0		0		0	
1/4	2,419.14	1/4	2,061.83	1/4	1,704.51	1/4	1,347.20	1/4	989.89	1/4	632.58	1/4	277.08	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,411.70	1/2	2,054.39	1/2	1,697.07	1/2	1,339.76	1/2	982.45	1/2	625.14	1/2	269.97	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,404.25	3/4	2,046.94	3/4	1,689.63	3/4	1,332.32	3/4	975.00	3/4	617.69	3/4	262.86	3/4	3/4	3/4	3/4	3/4	3/4
1	2,396.81	1	2,039.50	1	1,682.19	1	1,324.88	1	967.56	1	610.25	1	255.76	1	1	1	1	1	1
1/4	2,389.36	1/4	2,032.05	1/4	1,674.74	1/4	1,317.43	1/4	960.11	1/4	602.80	1/4	248.68	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,381.92	1/2	2,024.61	1/2	1,667.30	1/2	1,309.99	1/2	952.67	1/2	595.36	1/2	241.60	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,374.48	3/4	2,017.16	3/4	1,659.85	3/4	1,302.54	3/4	945.23	3/4	587.92	3/4	234.52	3/4	3/4	3/4	3/4	3/4	3/4
2	2,367.04	2	2,009.72	2	1,652.41	2	1,295.10	2	937.79	2	580.48	2	227.45	2	2	2	2	2	2
1/4	2,359.59	1/4	2,002.27	1/4	1,644.96	1/4	1,287.65	1/4	930.34	1/4	572.95	1/4	220.46	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,352.15	1/2	1,994.83	1/2	1,637.52	1/2	1,280.21	1/2	922.90	1/2	565.42	1/2	213.48	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,344.70	3/4	1,987.39	3/4	1,630.08	3/4	1,272.76	3/4	915.45	3/4	557.89	3/4	206.50	3/4	3/4	3/4	3/4	3/4	3/4
3	2,337.26	3	1,979.95	3	1,622.64	3	1,265.32	3	908.01	3	550.37	3	199.52	3	3	3	3	3	3
1/4	2,329.81	1/4	1,972.50	1/4	1,615.19	1/4	1,257.87	1/4	900.56	1/4	543.00	1/4	192.56	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,322.37	1/2	1,965.06	1/2	1,607.75	1/2	1,250.43	1/2	893.12	1/2	535.64	1/2	185.61	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,314.92	3/4	1,957.61	3/4	1,600.30	3/4	1,242.99	3/4	885.68	3/4	528.28	3/4	178.66	3/4	3/4	3/4	3/4	3/4	3/4
4	2,307.48	4	1,950.17	4	1,592.86	4	1,235.55	4	878.24	4	520.92	4	171.71	4	4	4	4	4	4
1/4	2,300.03	1/4	1,942.72	1/4	1,585.41	1/4	1,228.10	1/4	870.79	1/4	513.37	1/4	165.03	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,292.59	1/2	1,935.28	1/2	1,577.97	1/2	1,220.66	1/2	863.35	1/2	505.83	1/2	158.35	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,285.15	3/4	1,927.84	3/4	1,570.52	3/4	1,213.21	3/4	855.90	3/4	498.29	3/4	151.67	3/4	3/4	3/4	3/4	3/4	3/4
5	2,277.71	5	1,920.40	5	1,563.08	5	1,205.77	5	848.46	5	490.75	5	145.00	5	5	5	5	5	5
1/4	2,270.26	1/4	1,912.95	1/4	1,555.63	1/4	1,198.32	1/4	841.01	1/4	483.17	1/4	138.41	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,262.82	1/2	1,905.51	1/2	1,548.19	1/2	1,190.88	1/2	833.57	1/2	475.59	1/2	131.83	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,255.37	3/4	1,898.06	3/4	1,540.75	3/4	1,183.44	3/4	826.12	3/4	468.01	3/4	125.24	3/4	3/4	3/4	3/4	3/4	3/4
6	2,247.93	6	1,890.62	6	1,533.31	6	1,176.00	6	818.68	6	460.43	6	118.66	6	6	6	6	6	6
1/4	2,240.48	1/4	1,883.17	1/4	1,525.86	1/4	1,168.55	1/4	811.23	1/4	452.94	1/4	112.16	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,233.04	1/2	1,875.73	1/2	1,518.42	1/2	1,161.11	1/2	803.79	1/2	445.46	1/2	105.67	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,225.60	3/4	1,868.28	3/4	1,510.97	3/4	1,153.66	3/4	796.35	3/4	437.98	3/4	99.17	3/4	3/4	3/4	3/4	3/4	3/4
7	2,218.16	7	1,860.84	7	1,503.53	7	1,146.22	7	788.91	7	430.50	7	92.68	7	7	7	7	7	7
1/4	2,210.71	1/4	1,853.39	1/4	1,496.08	1/4	1,138.77	1/4	781.46	1/4	423.04	1/4	86.21	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,203.27	1/2	1,845.95	1/2	1,488.64	1/2	1,131.33	1/2	774.02	1/2	415.59	1/2	79.75	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,195.82	3/4	1,838.51	3/4	1,481.20	3/4	1,123.88	3/4	766.57	3/4	408.14	3/4	73.28	3/4	3/4	3/4	3/4	3/4	3/4
8	2,188.38	8	1,831.07	8	1,473.76	8	1,116.44	8	759.13	8	400.69	8	66.82	8	8	8	8	8	8
1/4	2,180.93	1/4	1,823.62	1/4	1,466.31	1/4	1,108.99	1/4	751.68	1/4	393.33	1/4	60.56	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,173.49	1/2	1,816.18	1/2	1,458.87	1/2	1,101.55	1/2	744.24	1/2	385.97	1/2	54.30	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,166.04	3/4	1,808.73	3/4	1,451.42	3/4	1,094.11	3/4	736.80	3/4	378.61	3/4	48.04	3/4	3/4	3/4	3/4	3/4	3/4
9	2,158.60	9	1,801.29	9	1,443.98	9	1,086.67	9	729.36	9	371.26	9	41.78	9	9	9	9	9	9
1/4	2,151.15	1/4	1,793.84	1/4	1,436.53	1/4	1,079.22	1/4	721.91	1/4	363.93	1/4	36.84	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,143.71	1/2	1,786.40	1/2	1,429.09	1/2	1,071.78	1/2	714.47	1/2	356.60	1/2	31.90	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,136.27	3/4	1,778.96	3/4	1,421.64	3/4	1,064.33	3/4	707.02	3/4	349.27	3/4	26.96	3/4	3/4	3/4	3/4	3/4	3/4
10	2,128.83	10	1,771.52	10	1,414.20	10	1,056.89	10	699.58	10	341.94	10	22.03	10	10	10	10	10	10
1/4	2,121.38	1/4	1,764.07	1/4	1,406.75	1/4	1,049.44	1/4	692.13	1/4	334.70	1/4	18.62	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,113.94	1/2	1,756.63	1/2	1,399.31	1/2	1,042.00	1/2	684.69	1/2	327.47	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,106.49	3/4	1,749.18	3/4	1,391.87	3/4	1,034.56	3/4	677.24	3/4	320.23	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	2,099.05	11	1,741.74	11	1,384.43	11	1,027.12	11	669.80	11	313.00	11		11	11	11	11	11	11
1/4	2,091.60	1/4	1,734.29	1/4	1,376.98	1/4	1,019.67	1/4	662.35	1/4	305.79	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,084.16	1/2	1,726.85	1/2	1,369.54	1/2	1,012.23	1/2	654.91	1/2	298.59	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,076.72	3/4	1,719.40	3/4	1,362.09	3/4	1,004.78	3/4	647.47	3/4	291.39	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/13/2009 INS
RECALCULATED: 09/12/2019 SW
REPRINTED: 09/12/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2019

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



BARGE "HTCO 3068"

1 STBD ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 16'-10 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,927.77	0	4,570.46	0	4,213.15	0	3,855.84	0	3,498.52	0	3,141.21	0	2,783.90
1/4		1/4		1/4		1/4	4,920.33	1/4	4,563.01	1/4	4,205.70	1/4	3,848.39	1/4	3,491.08	1/4	3,133.77	1/4	2,776.45
1/2		1/2		1/2		1/2	4,912.88	1/2	4,555.57	1/2	4,198.26	1/2	3,840.95	1/2	3,483.63	1/2	3,126.32	1/2	2,769.01
3/4		3/4		3/4		3/4	4,905.44	3/4	4,548.12	3/4	4,190.81	3/4	3,833.50	3/4	3,476.19	3/4	3,118.88	3/4	2,761.56
1		1		1		1	4,898.00	1	4,540.68	1	4,183.37	1	3,826.06	1	3,468.75	1	3,111.44	1	2,754.12
1/4		1/4		1/4		1/4	4,890.55	1/4	4,533.24	1/4	4,175.93	1/4	3,818.61	1/4	3,461.30	1/4	3,103.99	1/4	2,746.67
1/2		1/2		1/2		1/2	4,883.11	1/2	4,525.79	1/2	4,168.48	1/2	3,811.17	1/2	3,453.86	1/2	3,096.55	1/2	2,739.23
3/4		3/4		3/4		3/4	4,875.66	3/4	4,518.35	3/4	4,161.04	3/4	3,803.72	3/4	3,446.41	3/4	3,089.10	3/4	2,731.79
2		2		2		2	4,868.22	2	4,510.91	2	4,153.60	2	3,796.28	2	3,438.97	2	3,081.66	2	2,724.35
1/4		1/4		1/4		1/4	4,860.77	1/4	4,503.46	1/4	4,146.15	1/4	3,788.84	1/4	3,431.53	1/4	3,074.21	1/4	2,716.90
1/2		1/2		1/2		1/2	4,853.33	1/2	4,496.02	1/2	4,138.71	1/2	3,781.39	1/2	3,424.08	1/2	3,066.77	1/2	2,709.46
3/4		3/4		3/4		3/4	4,845.88	3/4	4,488.57	3/4	4,131.26	3/4	3,773.95	3/4	3,416.64	3/4	3,059.32	3/4	2,702.01
3		3		3		3	4,838.44	3	4,481.13	3	4,123.82	3	3,766.51	3	3,409.20	3	3,051.88	3	2,694.57
1/4		1/4		1/4		1/4	4,831.00	1/4	4,473.69	1/4	4,116.37	1/4	3,759.06	1/4	3,401.75	1/4	3,044.43	1/4	2,687.12
1/2		1/2		1/2		1/2	4,823.55	1/2	4,466.24	1/2	4,108.93	1/2	3,751.62	1/2	3,394.31	1/2	3,036.99	1/2	2,679.68
3/4		3/4		3/4		3/4	4,816.11	3/4	4,458.80	3/4	4,101.48	3/4	3,744.17	3/4	3,386.86	3/4	3,029.55	3/4	2,672.24
4		4		4		4	4,808.67	4	4,451.36	4	4,094.04	4	3,736.73	4	3,379.42	4	3,022.11	4	2,664.80
1/4		1/4		1/4		1/4	4,801.22	1/4	4,443.91	1/4	4,086.60	1/4	3,729.29	1/4	3,371.97	1/4	3,014.66	1/4	2,657.35
1/2		1/2		1/2		1/2	4,793.78	1/2	4,436.47	1/2	4,079.15	1/2	3,721.84	1/2	3,364.53	1/2	3,007.22	1/2	2,649.91
3/4		3/4		3/4		3/4	4,786.33	3/4	4,429.02	3/4	4,071.71	3/4	3,714.40	3/4	3,357.08	3/4	2,999.77	3/4	2,642.46
5		5		5		5	4,778.89	5	4,421.58	5	4,064.27	5	3,706.96	5	3,349.64	5	2,992.33	5	2,635.02
1/4		1/4		1/4		1/4	4,771.45	1/4	4,414.13	1/4	4,056.82	1/4	3,699.51	1/4	3,342.20	1/4	2,984.88	1/4	2,627.57
1/2		1/2		1/2		1/2	4,764.00	1/2	4,406.69	1/2	4,049.38	1/2	3,692.07	1/2	3,334.75	1/2	2,977.44	1/2	2,620.13
3/4		3/4		3/4		3/4	4,756.56	3/4	4,399.24	3/4	4,041.93	3/4	3,684.62	3/4	3,327.31	3/4	2,970.00	3/4	2,612.68
6		6		6		6	4,749.12	6	4,391.80	6	4,034.49	6	3,677.18	6	3,319.87	6	2,962.56	6	2,605.24
1/4		1/4		1/4		1/4	4,741.67	1/4	4,384.36	1/4	4,027.05	1/4	3,669.73	1/4	3,312.42	1/4	2,955.11	1/4	2,597.79
1/2		1/2		1/2		1/2	4,734.23	1/2	4,376.91	1/2	4,019.60	1/2	3,662.29	1/2	3,304.98	1/2	2,947.67	1/2	2,590.35
3/4		3/4		3/4		3/4	4,726.78	3/4	4,369.47	3/4	4,012.16	3/4	3,654.84	3/4	3,297.53	3/4	2,940.22	3/4	2,582.91
7		7		7		7	4,719.34	7	4,362.03	7	4,004.72	7	3,647.40	7	3,290.09	7	2,932.78	7	2,575.47
1/4		1/4		1/4		1/4	4,711.89	1/4	4,354.58	1/4	3,997.27	1/4	3,639.96	1/4	3,282.65	1/4	2,925.33	1/4	2,568.02
1/2		1/2		1/2		1/2	4,704.45	1/2	4,347.14	1/2	3,989.83	1/2	3,632.51	1/2	3,275.20	1/2	2,917.89	1/2	2,560.58
3/4		3/4		3/4		3/4	5,041.26	3/4	4,697.00	3/4	4,339.69	3/4	3,982.38	3/4	3,625.07	3/4	3,267.76	3/4	2,910.44
8		8		8		8	4,689.56	8	4,332.25	8	3,974.94	8	3,617.63	8	3,260.32	8	2,903.00	8	2,545.69
1/4		1/4		1/4		1/4	5,031.08	1/4	4,682.12	1/4	4,324.81	1/4	3,967.49	1/4	3,610.18	1/4	3,252.87	1/4	2,895.55
1/2		1/2		1/2		1/2	5,025.42	1/2	4,674.67	1/2	4,317.36	1/2	3,960.05	1/2	3,602.74	1/2	3,245.43	1/2	2,888.11
3/4		3/4		3/4		3/4	5,019.77	3/4	4,667.23	3/4	4,309.92	3/4	3,952.60	3/4	3,595.29	3/4	3,237.98	3/4	2,880.67
9		9		9		9	5,014.11	9	4,659.79	9	4,302.48	9	3,945.16	9	3,587.85	9	3,230.54	9	2,873.23
1/4		1/4		1/4		1/4	5,007.32	1/4	4,652.34	1/4	4,295.03	1/4	3,937.72	1/4	3,580.41	1/4	3,223.09	1/4	2,865.78
1/2		1/2		1/2		1/2	5,000.53	1/2	4,644.90	1/2	4,287.59	1/2	3,930.27	1/2	3,572.96	1/2	3,215.65	1/2	2,858.34
3/4		3/4		3/4		3/4	4,993.74	3/4	4,637.45	3/4	4,280.14	3/4	3,922.83	3/4	3,565.52	3/4	3,208.20	3/4	2,850.89
10		10		10		10	4,986.95	10	4,630.01	10	4,272.70	10	3,915.39	10	3,558.08	10	3,200.76	10	2,843.45
1/4		1/4		1/4		1/4	4,979.60	1/4	4,622.57	1/4	4,265.25	1/4	3,907.94	1/4	3,550.63	1/4	3,193.32	1/4	2,836.00
1/2		1/2		1/2		1/2	4,972.25	1/2	4,615.12	1/2	4,257.81	1/2	3,900.50	1/2	3,543.19	1/2	3,185.87	1/2	2,828.56
3/4		3/4		3/4		3/4	4,964.90	3/4	4,607.68	3/4	4,250.36	3/4	3,893.05	3/4	3,535.74	3/4	3,178.43	3/4	2,821.12
11		11		11		11	4,957.55	11	4,600.24	11	4,242.92	11	3,885.61	11	3,528.30	11	3,170.99	11	2,813.68
1/4		1/4		1/4		1/4	4,950.10	1/4	4,592.79	1/4	4,235.48	1/4	3,878.17	1/4	3,520.85	1/4	3,163.54	1/4	2,806.23
1/2		1/2		1/2		1/2	4,942.66	1/2	4,585.35	1/2	4,228.03	1/2	3,870.72	1/2	3,513.41	1/2	3,156.10	1/2	2,798.79
3/4		3/4		3/4		3/4	4,935.21	3/4	4,577.90	3/4	4,220.59	3/4	3,863.28	3/4	3,505.96	3/4	3,148.65	3/4	2,791.34

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 48'-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 3068"

1 STBD

ULLAGE TABLE
HERMETIC

GAUGE HEIGHT 16'-10 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	2,426.59	0	2,069.28	0	1,711.96	0	1,354.65	0	997.34	0	640.03	0	284.19	0		0		0	
1/4	2,419.14	1/4	2,061.83	1/4	1,704.51	1/4	1,347.20	1/4	989.89	1/4	632.58	1/4	277.08	1/4		1/4		1/4	
1/2	2,411.70	1/2	2,054.39	1/2	1,697.07	1/2	1,339.76	1/2	982.45	1/2	625.14	1/2	269.97	1/2		1/2		1/2	
3/4	2,404.25	3/4	2,046.94	3/4	1,689.63	3/4	1,332.32	3/4	975.00	3/4	617.69	3/4	262.86	3/4		3/4		3/4	
1	2,396.81	1	2,039.50	1	1,682.19	1	1,324.88	1	967.56	1	610.25	1	255.76	1		1		1	
1/4	2,389.36	1/4	2,032.05	1/4	1,674.74	1/4	1,317.43	1/4	960.11	1/4	602.80	1/4	248.68	1/4		1/4		1/4	
1/2	2,381.92	1/2	2,024.61	1/2	1,667.30	1/2	1,309.99	1/2	952.67	1/2	595.36	1/2	241.60	1/2		1/2		1/2	
3/4	2,374.48	3/4	2,017.16	3/4	1,659.85	3/4	1,302.54	3/4	945.23	3/4	587.92	3/4	234.52	3/4		3/4		3/4	
2	2,367.04	2	2,009.72	2	1,652.41	2	1,295.10	2	937.79	2	580.48	2	227.45	2		2		2	
1/4	2,359.59	1/4	2,002.27	1/4	1,644.96	1/4	1,287.65	1/4	930.34	1/4	572.95	1/4	220.46	1/4		1/4		1/4	
1/2	2,352.15	1/2	1,994.83	1/2	1,637.52	1/2	1,280.21	1/2	922.90	1/2	565.42	1/2	213.48	1/2		1/2		1/2	
3/4	2,344.70	3/4	1,987.39	3/4	1,630.08	3/4	1,272.76	3/4	915.45	3/4	557.89	3/4	206.50	3/4		3/4		3/4	
3	2,337.26	3	1,979.95	3	1,622.64	3	1,265.32	3	908.01	3	550.37	3	199.52	3		3		3	
1/4	2,329.81	1/4	1,972.50	1/4	1,615.19	1/4	1,257.87	1/4	900.56	1/4	543.00	1/4	192.56	1/4		1/4		1/4	
1/2	2,322.37	1/2	1,965.06	1/2	1,607.75	1/2	1,250.43	1/2	893.12	1/2	535.64	1/2	185.61	1/2		1/2		1/2	
3/4	2,314.92	3/4	1,957.61	3/4	1,600.30	3/4	1,242.99	3/4	885.68	3/4	528.28	3/4	178.66	3/4		3/4		3/4	
4	2,307.48	4	1,950.17	4	1,592.86	4	1,235.55	4	878.24	4	520.92	4	171.71	4		4		4	
1/4	2,300.03	1/4	1,942.72	1/4	1,585.41	1/4	1,228.10	1/4	870.79	1/4	513.37	1/4	165.03	1/4		1/4		1/4	
1/2	2,292.59	1/2	1,935.28	1/2	1,577.97	1/2	1,220.66	1/2	863.35	1/2	505.83	1/2	158.35	1/2		1/2		1/2	
3/4	2,285.15	3/4	1,927.84	3/4	1,570.52	3/4	1,213.21	3/4	855.90	3/4	498.29	3/4	151.67	3/4		3/4		3/4	
5	2,277.71	5	1,920.40	5	1,563.08	5	1,205.77	5	848.46	5	490.75	5	145.00	5		5		5	
1/4	2,270.26	1/4	1,912.95	1/4	1,555.63	1/4	1,198.32	1/4	841.01	1/4	483.17	1/4	138.41	1/4		1/4		1/4	
1/2	2,262.82	1/2	1,905.51	1/2	1,548.19	1/2	1,190.88	1/2	833.57	1/2	475.59	1/2	131.83	1/2		1/2		1/2	
3/4	2,255.37	3/4	1,898.06	3/4	1,540.75	3/4	1,183.44	3/4	826.12	3/4	468.01	3/4	125.24	3/4		3/4		3/4	
6	2,247.93	6	1,890.62	6	1,533.31	6	1,176.00	6	818.68	6	460.43	6	118.66	6		6		6	
1/4	2,240.48	1/4	1,883.17	1/4	1,525.86	1/4	1,168.55	1/4	811.23	1/4	452.94	1/4	112.16	1/4		1/4		1/4	
1/2	2,233.04	1/2	1,875.73	1/2	1,518.42	1/2	1,161.11	1/2	803.79	1/2	445.46	1/2	105.67	1/2		1/2		1/2	
3/4	2,225.60	3/4	1,868.28	3/4	1,510.97	3/4	1,153.66	3/4	796.35	3/4	437.98	3/4	99.17	3/4		3/4		3/4	
7	2,218.16	7	1,860.84	7	1,503.53	7	1,146.22	7	788.91	7	430.50	7	92.68	7		7		7	
1/4	2,210.71	1/4	1,853.39	1/4	1,496.08	1/4	1,138.77	1/4	781.46	1/4	423.04	1/4	86.21	1/4		1/4		1/4	
1/2	2,203.27	1/2	1,845.95	1/2	1,488.64	1/2	1,131.33	1/2	774.02	1/2	415.59	1/2	79.75	1/2		1/2		1/2	
3/4	2,195.82	3/4	1,838.51	3/4	1,481.20	3/4	1,123.88	3/4	766.57	3/4	408.14	3/4	73.28	3/4		3/4		3/4	
8	2,188.38	8	1,831.07	8	1,473.76	8	1,116.44	8	759.13	8	400.69	8	66.82	8		8		8	
1/4	2,180.93	1/4	1,823.62	1/4	1,466.31	1/4	1,108.99	1/4	751.68	1/4	393.33	1/4	60.56	1/4		1/4		1/4	
1/2	2,173.49	1/2	1,816.18	1/2	1,458.87	1/2	1,101.55	1/2	744.24	1/2	385.97	1/2	54.30	1/2		1/2		1/2	
3/4	2,166.04	3/4	1,808.73	3/4	1,451.42	3/4	1,094.11	3/4	736.80	3/4	378.61	3/4	48.04	3/4		3/4		3/4	
9	2,158.60	9	1,801.29	9	1,443.98	9	1,086.67	9	729.36	9	371.26	9	41.78	9		9		9	
1/4	2,151.15	1/4	1,793.84	1/4	1,436.53	1/4	1,079.22	1/4	721.91	1/4	363.93	1/4	36.84	1/4		1/4		1/4	
1/2	2,143.71	1/2	1,786.40	1/2	1,429.09	1/2	1,071.78	1/2	714.47	1/2	356.60	1/2	31.90	1/2		1/2		1/2	
3/4	2,136.27	3/4	1,778.96	3/4	1,421.64	3/4	1,064.33	3/4	707.02	3/4	349.27	3/4	26.96	3/4		3/4		3/4	
10	2,128.83	10	1,771.52	10	1,414.20	10	1,056.89	10	699.58	10	341.94	10	22.03	10		10		10	
1/4	2,121.38	1/4	1,764.07	1/4	1,406.75	1/4	1,049.44	1/4	692.13	1/4	334.70	1/4	18.62	1/4		1/4		1/4	
1/2	2,113.94	1/2	1,756.63	1/2	1,399.31	1/2	1,042.00	1/2	684.69	1/2	327.47	1/2		1/2		1/2		1/2	
3/4	2,106.49	3/4	1,749.18	3/4	1,391.87	3/4	1,034.56	3/4	677.24	3/4	320.23	3/4		3/4		3/4		3/4	
11	2,099.05	11	1,741.74	11	1,384.43	11	1,027.12	11	669.80	11	313.00	11		11		11		11	
1/4	2,091.60	1/4	1,734.29	1/4	1,376.98	1/4	1,019.67	1/4	662.35	1/4	305.79	1/4		1/4		1/4		1/4	
1/2	2,084.16	1/2	1,726.85	1/2	1,369.54	1/2	1,012.23	1/2	654.91	1/2	298.59	1/2		1/2		1/2		1/2	
3/4	2,076.72	3/4	1,719.40	3/4	1,362.09	3/4	1,004.78	3/4	647.47	3/4	291.39	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/13/2009 INS
RECALCULATED: 09/12/2019 SW
REPRINTED: 09/12/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2019

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



BARGE "HTCO 3068"

2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	4,991.49	0	4,645.59	0	4,284.25	0	3,922.90	0	3,561.56	0	3,200.21	0	2,838.87
1/4		1/4		1/4		1/4	4,984.35	1/4	4,638.06	1/4	4,276.72	1/4	3,915.37	1/4	3,554.03	1/4	3,192.68	1/4	2,831.34
1/2		1/2		1/2		1/2	4,977.21	1/2	4,630.53	1/2	4,269.19	1/2	3,907.84	1/2	3,546.50	1/2	3,185.15	1/2	2,823.81
3/4		3/4		3/4		3/4	4,970.07	3/4	4,623.01	3/4	4,261.66	3/4	3,900.31	3/4	3,538.97	3/4	3,177.62	3/4	2,816.28
1		1		1		1	4,962.92	1	4,615.48	1	4,254.13	1	3,892.79	1	3,531.45	1	3,170.10	1	2,808.76
1/4		1/4		1/4		1/4	4,955.78	1/4	4,607.95	1/4	4,246.60	1/4	3,885.26	1/4	3,523.92	1/4	3,162.57	1/4	2,801.23
1/2		1/2		1/2		1/2	4,948.64	1/2	4,600.42	1/2	4,239.07	1/2	3,877.73	1/2	3,516.39	1/2	3,155.04	1/2	2,793.70
3/4		3/4		3/4		3/4	4,941.50	3/4	4,592.90	3/4	4,231.55	3/4	3,870.20	3/4	3,508.86	3/4	3,147.51	3/4	2,786.17
2		2		2		2	4,934.35	2	4,585.37	2	4,224.02	2	3,862.68	2	3,501.33	2	3,139.99	2	2,778.65
1/4		1/4		1/4		1/4	4,927.21	1/4	4,577.84	1/4	4,216.49	1/4	3,855.15	1/4	3,493.80	1/4	3,132.46	1/4	2,771.12
1/2		1/2		1/2		1/2	4,920.07	1/2	4,570.31	1/2	4,208.96	1/2	3,847.62	1/2	3,486.27	1/2	3,124.93	1/2	2,763.59
3/4		3/4		3/4		3/4	4,912.93	3/4	4,562.78	3/4	4,201.44	3/4	3,840.09	3/4	3,478.74	3/4	3,117.40	3/4	2,756.06
3		3		3		3	4,905.79	3	4,555.25	3	4,193.91	3	3,832.57	3	3,471.22	3	3,109.88	3	2,748.53
1/4		1/4		1/4		1/4	4,898.65	1/4	4,547.72	1/4	4,186.38	1/4	3,825.04	1/4	3,463.69	1/4	3,102.35	1/4	2,741.00
1/2		1/2		1/2		1/2	4,891.51	1/2	4,540.19	1/2	4,178.85	1/2	3,817.51	1/2	3,456.16	1/2	3,094.83	1/2	2,733.47
3/4		3/4		3/4		3/4	4,884.37	3/4	4,532.67	3/4	4,171.33	3/4	3,809.98	3/4	3,448.63	3/4	3,087.31	3/4	2,725.94
4		4		4		4	4,877.22	4	4,525.14	4	4,163.80	4	3,802.45	4	3,441.11	4	3,079.79	4	2,718.42
1/4		1/4		1/4		1/4	4,870.08	1/4	4,517.61	1/4	4,156.27	1/4	3,794.92	1/4	3,433.58	1/4	3,072.27	1/4	2,710.89
1/2		1/2		1/2		1/2	4,862.94	1/2	4,510.08	1/2	4,148.74	1/2	3,787.39	1/2	3,426.05	1/2	3,064.73	1/2	2,703.36
3/4		3/4		3/4		3/4	4,855.80	3/4	4,502.56	3/4	4,141.22	3/4	3,779.86	3/4	3,418.52	3/4	3,057.19	3/4	2,695.83
5		5		5		5	4,848.65	5	4,495.03	5	4,133.69	5	3,772.34	5	3,411.00	5	3,049.66	5	2,688.31
1/4		1/4		1/4		1/4	4,841.51	1/4	4,487.50	1/4	4,126.16	1/4	3,764.81	1/4	3,403.47	1/4	3,042.12	1/4	2,680.78
1/2		1/2		1/2		1/2	4,834.37	1/2	4,479.97	1/2	4,118.63	1/2	3,757.28	1/2	3,395.94	1/2	3,034.59	1/2	2,673.25
3/4		3/4		3/4		3/4	4,827.23	3/4	4,472.45	3/4	4,111.10	3/4	3,749.75	3/4	3,388.41	3/4	3,027.06	3/4	2,665.72
6		6		6		6	4,820.08	6	4,464.92	6	4,103.57	6	3,742.23	6	3,380.89	6	3,019.54	6	2,658.20
1/4		1/4		1/4		1/4	4,812.94	1/4	4,457.39	1/4	4,096.04	1/4	3,734.70	1/4	3,373.36	1/4	3,012.01	1/4	2,650.67
1/2		1/2		1/2		1/2	4,805.80	1/2	4,449.86	1/2	4,088.51	1/2	3,727.17	1/2	3,365.83	1/2	3,004.48	1/2	2,643.14
3/4		3/4		3/4		3/4	4,798.66	3/4	4,442.34	3/4	4,080.99	3/4	3,719.64	3/4	3,358.30	3/4	2,996.95	3/4	2,635.61
7		7		7		7	4,791.51	7	4,434.81	7	4,073.46	7	3,712.12	7	3,350.77	7	2,989.43	7	2,628.09
1/4		1/4		1/4		1/4	4,784.37	1/4	4,427.28	1/4	4,065.93	1/4	3,704.59	1/4	3,343.24	1/4	2,981.90	1/4	2,620.56
1/2		1/2		1/2		1/2	4,777.23	1/2	4,419.75	1/2	4,058.40	1/2	3,697.06	1/2	3,335.71	1/2	2,974.37	1/2	2,613.03
3/4		3/4		3/4		3/4	4,770.09	3/4	4,412.22	3/4	4,050.88	3/4	3,689.53	3/4	3,328.18	3/4	2,966.84	3/4	2,605.50
8		8		8	5,091.92	8	4,762.95	8	4,404.69	8	4,043.35	8	3,682.01	8	3,320.66	8	2,959.32	8	2,597.97
1/4		1/4		1/4	5,087.66	1/4	4,755.81	1/4	4,397.16	1/4	4,035.82	1/4	3,674.48	1/4	3,313.13	1/4	2,951.79	1/4	2,590.44
1/2		1/2		1/2	5,082.34	1/2	4,748.67	1/2	4,389.63	1/2	4,028.29	1/2	3,666.95	1/2	3,305.60	1/2	2,944.26	1/2	2,582.91
3/4		3/4		3/4	5,077.01	3/4	4,741.53	3/4	4,382.11	3/4	4,020.77	3/4	3,659.42	3/4	3,298.07	3/4	2,936.73	3/4	2,575.38
9		9		9	5,071.69	9	4,734.38	9	4,374.58	9	4,013.24	9	3,651.89	9	3,290.55	9	2,929.21	9	2,567.86
1/4		1/4		1/4	5,066.36	1/4	4,727.24	1/4	4,367.05	1/4	4,005.71	1/4	3,644.36	1/4	3,283.02	1/4	2,921.68	1/4	2,560.33
1/2		1/2		1/2	5,060.01	1/2	4,720.00	1/2	4,359.52	1/2	3,998.18	1/2	3,636.83	1/2	3,275.49	1/2	2,914.15	1/2	2,552.80
3/4		3/4		3/4	5,053.66	3/4	4,712.76	3/4	4,352.00	3/4	3,990.66	3/4	3,629.30	3/4	3,267.96	3/4	2,906.62	3/4	2,545.27
10		10		10	5,047.31	10	4,705.52	10	4,344.47	10	3,983.13	10	3,621.78	10	3,260.44	10	2,899.09	10	2,537.75
1/4		1/4		1/4	5,040.96	1/4	4,698.28	1/4	4,336.94	1/4	3,975.60	1/4	3,614.25	1/4	3,252.91	1/4	2,891.56	1/4	2,530.22
1/2		1/2		1/2	5,033.95	1/2	4,690.75	1/2	4,329.41	1/2	3,968.07	1/2	3,606.72	1/2	3,245.38	1/2	2,884.03	1/2	2,522.69
3/4		3/4		3/4	5,026.94	3/4	4,683.23	3/4	4,321.89	3/4	3,960.54	3/4	3,599.19	3/4	3,237.85	3/4	2,876.50	3/4	2,515.16
11		11		11	5,019.93	11	4,675.70	11	4,314.36	11	3,953.01	11	3,591.67	11	3,230.33	11	2,868.98	11	2,507.64
1/4		1/4		1/4	5,012.92	1/4	4,668.17	1/4	4,306.83	1/4	3,945.48	1/4	3,584.14	1/4	3,222.80	1/4	2,861.45	1/4	2,500.11
1/2		1/2		1/2	5,005.78	1/2	4,660.64	1/2	4,299.30	1/2	3,937.95	1/2	3,576.61	1/2	3,215.27	1/2	2,853.92	1/2	2,492.58
3/4		3/4		3/4	4,998.64	3/4	4,653.12	3/4	4,291.78	3/4	3,930.42	3/4	3,569.08	3/4	3,207.74	3/4	2,846.39	3/4	2,485.05

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 48'-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 3068"

2 PORT ULLAGE TABLE HERMETIC

GAUGE HEIGHT 16'-10 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	2,477.53	0	2,116.18	0	1,754.84	0	1,393.49	0	1,032.15	0	670.81	0	309.46	0		0		0	
1/4	2,470.00	1/4	2,108.65	1/4	1,747.31	1/4	1,385.96	1/4	1,024.62	1/4	663.28	1/4	301.93	1/4		1/4		1/4	
1/2	2,462.47	1/2	2,101.12	1/2	1,739.78	1/2	1,378.43	1/2	1,017.09	1/2	655.75	1/2	294.40	1/2		1/2		1/2	
3/4	2,454.94	3/4	2,093.59	3/4	1,732.25	3/4	1,370.90	3/4	1,009.56	3/4	648.22	3/4	286.87	3/4		3/4		3/4	
1	2,447.41	1	2,086.07	1	1,724.73	1	1,363.38	1	1,002.04	1	640.69	1	279.35	1		1		1	
1/4	2,439.88	1/4	2,078.54	1/4	1,717.20	1/4	1,355.85	1/4	994.51	1/4	633.16	1/4	271.82	1/4		1/4		1/4	
1/2	2,432.35	1/2	2,071.01	1/2	1,709.67	1/2	1,348.32	1/2	986.98	1/2	625.63	1/2	264.29	1/2		1/2		1/2	
3/4	2,424.82	3/4	2,063.48	3/4	1,702.14	3/4	1,340.79	3/4	979.45	3/4	618.10	3/4	256.76	3/4		3/4		3/4	
2	2,417.30	2	2,055.96	2	1,694.61	2	1,333.27	2	971.93	2	610.58	2	249.24	2		2		2	
1/4	2,409.77	1/4	2,048.43	1/4	1,687.08	1/4	1,325.74	1/4	964.40	1/4	603.05	1/4	241.71	1/4		1/4		1/4	
1/2	2,402.24	1/2	2,040.90	1/2	1,679.55	1/2	1,318.21	1/2	956.87	1/2	595.52	1/2	234.18	1/2		1/2		1/2	
3/4	2,394.71	3/4	2,033.37	3/4	1,672.02	3/4	1,310.68	3/4	949.34	3/4	587.99	3/4	226.65	3/4		3/4		3/4	
3	2,387.19	3	2,025.85	3	1,664.50	3	1,303.16	3	941.81	3	580.47	3	219.13	3		3		3	
1/4	2,379.66	1/4	2,018.32	1/4	1,656.97	1/4	1,295.63	1/4	934.28	1/4	572.94	1/4	211.60	1/4		1/4		1/4	
1/2	2,372.13	1/2	2,010.79	1/2	1,649.44	1/2	1,288.10	1/2	926.75	1/2	565.41	1/2	204.07	1/2		1/2		1/2	
3/4	2,364.60	3/4	2,003.26	3/4	1,641.91	3/4	1,280.57	3/4	919.22	3/4	557.88	3/4	196.54	3/4		3/4		3/4	
4	2,357.08	4	1,995.73	4	1,634.39	4	1,273.05	4	911.70	4	550.36	4	189.01	4		4		4	
1/4	2,349.55	1/4	1,988.20	1/4	1,626.86	1/4	1,265.52	1/4	904.17	1/4	542.83	1/4	181.48	1/4		1/4		1/4	
1/2	2,342.02	1/2	1,980.67	1/2	1,619.33	1/2	1,257.99	1/2	896.64	1/2	535.30	1/2	174.40	1/2		1/2		1/2	
3/4	2,334.49	3/4	1,973.14	3/4	1,611.80	3/4	1,250.46	3/4	889.11	3/4	527.77	3/4	167.31	3/4		3/4		3/4	
5	2,326.97	5	1,965.62	5	1,604.28	5	1,242.93	5	881.59	5	520.25	5	160.23	5		5		5	
1/4	2,319.44	1/4	1,958.09	1/4	1,596.75	1/4	1,235.40	1/4	874.06	1/4	512.72	1/4	153.15	1/4		1/4		1/4	
1/2	2,311.91	1/2	1,950.56	1/2	1,589.22	1/2	1,227.87	1/2	866.53	1/2	505.19	1/2	146.22	1/2		1/2		1/2	
3/4	2,304.38	3/4	1,943.03	3/4	1,581.69	3/4	1,220.34	3/4	859.00	3/4	497.66	3/4	139.28	3/4		3/4		3/4	
6	2,296.85	6	1,935.51	6	1,574.17	6	1,212.82	6	851.48	6	490.13	6	132.35	6		6		6	
1/4	2,289.32	1/4	1,927.98	1/4	1,566.64	1/4	1,205.29	1/4	843.95	1/4	482.60	1/4	125.42	1/4		1/4		1/4	
1/2	2,281.79	1/2	1,920.45	1/2	1,559.11	1/2	1,197.76	1/2	836.42	1/2	475.07	1/2	118.48	1/2		1/2		1/2	
3/4	2,274.26	3/4	1,912.92	3/4	1,551.58	3/4	1,190.23	3/4	828.89	3/4	467.54	3/4	111.55	3/4		3/4		3/4	
7	2,266.74	7	1,905.40	7	1,544.05	7	1,182.71	7	821.37	7	460.02	7	104.61	7		7		7	
1/4	2,259.21	1/4	1,897.87	1/4	1,536.52	1/4	1,175.18	1/4	813.84	1/4	452.49	1/4	97.68	1/4		1/4		1/4	
1/2	2,251.68	1/2	1,890.34	1/2	1,528.99	1/2	1,167.65	1/2	806.31	1/2	444.96	1/2	90.75	1/2		1/2		1/2	
3/4	2,244.15	3/4	1,882.81	3/4	1,521.46	3/4	1,160.12	3/4	798.78	3/4	437.43	3/4	83.81	3/4		3/4		3/4	
8	2,236.63	8	1,875.29	8	1,513.94	8	1,152.60	8	791.25	8	429.91	8	76.88	8		8		8	
1/4	2,229.10	1/4	1,867.76	1/4	1,506.41	1/4	1,145.07	1/4	783.72	1/4	422.38	1/4	69.95	1/4		1/4		1/4	
1/2	2,221.57	1/2	1,860.23	1/2	1,498.88	1/2	1,137.54	1/2	776.19	1/2	414.85	1/2	63.14	1/2		1/2		1/2	
3/4	2,214.04	3/4	1,852.70	3/4	1,491.35	3/4	1,130.01	3/4	768.66	3/4	407.32	3/4	56.33	3/4		3/4		3/4	
9	2,206.52	9	1,845.17	9	1,483.83	9	1,122.49	9	761.14	9	399.80	9	49.52	9		9		9	
1/4	2,198.99	1/4	1,837.64	1/4	1,476.30	1/4	1,114.96	1/4	753.61	1/4	392.27	1/4	42.71	1/4		1/4		1/4	
1/2	2,191.46	1/2	1,830.11	1/2	1,468.77	1/2	1,107.43	1/2	746.08	1/2	384.74	1/2	37.43	1/2		1/2		1/2	
3/4	2,183.93	3/4	1,822.58	3/4	1,461.24	3/4	1,099.90	3/4	738.55	3/4	377.21	3/4	32.15	3/4		3/4		3/4	
10	2,176.41	10	1,815.06	10	1,453.72	10	1,092.37	10	731.03	10	369.69	10	26.87	10		10		10	
1/4	2,168.88	1/4	1,807.53	1/4	1,446.19	1/4	1,084.84	1/4	723.50	1/4	362.16	1/4	21.59	1/4		1/4		1/4	
1/2	2,161.35	1/2	1,800.00	1/2	1,438.66	1/2	1,077.31	1/2	715.97	1/2	354.63	1/2	18.06	1/2		1/2		1/2	
3/4	2,153.82	3/4	1,792.47	3/4	1,431.13	3/4	1,069.78	3/4	708.44	3/4	347.10	3/4		3/4		3/4		3/4	
11	2,146.29	11	1,784.95	11	1,423.61	11	1,062.26	11	700.92	11	339.57	11		11		11		11	
1/4	2,138.76	1/4	1,777.42	1/4	1,416.08	1/4	1,054.73	1/4	693.39	1/4	332.04	1/4		1/4		1/4		1/4	
1/2	2,131.23	1/2	1,769.89	1/2	1,408.55	1/2	1,047.20	1/2	685.86	1/2	324.51	1/2		1/2		1/2		1/2	
3/4	2,123.70	3/4	1,762.36	3/4	1,401.02	3/4	1,039.67	3/4	678.33	3/4	316.98	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/13/2009 INS
RECALCULATED: 09/12/2019 SW
REPRINTED: 09/12/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2019

PRECISION MEASUREMENT
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P.O. Box 2092
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BARGE "HTCO 3068"

2 STBD ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 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	4,984.35	0	4,638.06	0	4,276.72	0	3,915.37	0	3,554.03	0	3,192.68	0	2,831.34		
1/4		1/4		1/4		1/4	4,977.21	1/4	4,630.53	1/4	4,269.19	1/4	3,907.84	1/4	3,546.50	1/4	3,185.15	1/4	2,823.81		
1/2		1/2		1/2		1/2	4,970.07	1/2	4,623.01	1/2	4,261.66	1/2	3,900.31	1/2	3,538.97	1/2	3,177.62	1/2	2,816.28		
3/4		3/4		3/4		3/4	4,962.92	3/4	4,615.48	3/4	4,254.13	3/4	3,892.79	3/4	3,531.45	3/4	3,170.10	3/4	2,808.76		
1		1		1		1	4,955.78	1	4,607.95	1	4,246.60	1	3,885.26	1	3,523.92	1	3,162.57	1	2,801.23		
1/4		1/4		1/4		1/4	4,948.64	1/4	4,600.42	1/4	4,239.07	1/4	3,877.73	1/4	3,516.39	1/4	3,155.04	1/4	2,793.70		
1/2		1/2		1/2		1/2	4,941.50	1/2	4,592.90	1/2	4,231.55	1/2	3,870.20	1/2	3,508.86	1/2	3,147.51	1/2	2,786.17		
3/4		3/4		3/4		3/4	4,934.35	3/4	4,585.37	3/4	4,224.02	3/4	3,862.68	3/4	3,501.33	3/4	3,139.99	3/4	2,778.65		
2		2		2		2	4,927.21	2	4,577.84	2	4,216.49	2	3,855.15	2	3,493.80	2	3,132.46	2	2,771.12		
1/4		1/4		1/4		1/4	4,920.07	1/4	4,570.31	1/4	4,208.96	1/4	3,847.62	1/4	3,486.27	1/4	3,124.93	1/4	2,763.59		
1/2		1/2		1/2		1/2	4,912.93	1/2	4,562.78	1/2	4,201.44	1/2	3,840.09	1/2	3,478.74	1/2	3,117.40	1/2	2,756.06		
3/4		3/4		3/4		3/4	4,905.79	3/4	4,555.25	3/4	4,193.91	3/4	3,832.57	3/4	3,471.22	3/4	3,109.88	3/4	2,748.53		
3		3		3		3	4,898.65	3	4,547.72	3	4,186.38	3	3,825.04	3	3,463.69	3	3,102.35	3	2,741.00		
1/4		1/4		1/4		1/4	4,891.51	1/4	4,540.19	1/4	4,178.85	1/4	3,817.51	1/4	3,456.16	1/4	3,094.83	1/4	2,733.47		
1/2		1/2		1/2		1/2	4,884.37	1/2	4,532.67	1/2	4,171.33	1/2	3,809.98	1/2	3,448.63	1/2	3,087.31	1/2	2,725.94		
3/4		3/4		3/4		3/4	4,877.22	3/4	4,525.14	3/4	4,163.80	3/4	3,802.45	3/4	3,441.11	3/4	3,079.79	3/4	2,718.42		
4		4		4		4	4,870.08	4	4,517.61	4	4,156.27	4	3,794.92	4	3,433.58	4	3,072.27	4	2,710.89		
1/4		1/4		1/4		1/4	4,862.94	1/4	4,510.08	1/4	4,148.74	1/4	3,787.39	1/4	3,426.05	1/4	3,064.73	1/4	2,703.36		
1/2		1/2		1/2		1/2	4,855.80	1/2	4,502.56	1/2	4,141.22	1/2	3,779.86	1/2	3,418.52	1/2	3,057.19	1/2	2,695.83		
3/4		3/4		3/4		3/4	4,848.65	3/4	4,495.03	3/4	4,133.69	3/4	3,772.34	3/4	3,411.00	3/4	3,049.66	3/4	2,688.31		
5		5		5		5	4,841.51	5	4,487.50	5	4,126.16	5	3,764.81	5	3,403.47	5	3,042.12	5	2,680.78		
1/4		1/4		1/4		1/4	4,834.37	1/4	4,479.97	1/4	4,118.63	1/4	3,757.28	1/4	3,395.94	1/4	3,034.59	1/4	2,673.25		
1/2		1/2		1/2		1/2	4,827.23	1/2	4,472.45	1/2	4,111.10	1/2	3,749.75	1/2	3,388.41	1/2	3,027.06	1/2	2,665.72		
3/4		3/4		3/4		3/4	4,820.08	3/4	4,464.92	3/4	4,103.57	3/4	3,742.23	3/4	3,380.89	3/4	3,019.54	3/4	2,658.20		
6		6		6		6	4,812.94	6	4,457.39	6	4,096.04	6	3,734.70	6	3,373.36	6	3,012.01	6	2,650.67		
1/4		1/4		1/4		1/4	4,805.80	1/4	4,449.86	1/4	4,088.51	1/4	3,727.17	1/4	3,365.83	1/4	3,004.48	1/4	2,643.14		
1/2		1/2		1/2		1/2	4,798.66	1/2	4,442.34	1/2	4,080.99	1/2	3,719.64	1/2	3,358.30	1/2	2,996.95	1/2	2,635.61		
3/4		3/4		3/4		3/4	4,791.51	3/4	4,434.81	3/4	4,073.46	3/4	3,712.12	3/4	3,350.77	3/4	2,989.43	3/4	2,628.09		
7		7		7		7	4,784.37	7	4,427.28	7	4,065.93	7	3,704.59	7	3,343.24	7	2,981.90	7	2,620.56		
1/4		1/4		1/4		1/4	4,777.23	1/4	4,419.75	1/4	4,058.40	1/4	3,697.06	1/4	3,335.71	1/4	2,974.37	1/4	2,613.03		
1/2		1/2		1/2		1/2	4,770.09	1/2	4,412.22	1/2	4,050.88	1/2	3,689.53	1/2	3,328.18	1/2	2,966.84	1/2	2,605.50		
3/4		3/4		3/4		3/4	5,091.92	3/4	4,762.95	3/4	4,404.69	3/4	4,043.35	3/4	3,682.01	3/4	3,320.66	3/4	2,959.97		
8		8		8		8	5,087.66	8	4,755.81	8	4,397.16	8	4,035.82	8	3,674.48	8	3,313.13	8	2,951.79	8	2,590.44
1/4		1/4		1/4		1/4	5,082.34	1/4	4,748.67	1/4	4,389.63	1/4	4,028.29	1/4	3,666.95	1/4	3,305.60	1/4	2,944.26	1/4	2,582.91
1/2		1/2		1/2		1/2	5,077.01	1/2	4,741.53	1/2	4,382.11	1/2	4,020.77	1/2	3,659.42	1/2	3,298.07	1/2	2,936.73	1/2	2,575.38
3/4		3/4		3/4		3/4	5,071.69	3/4	4,734.38	3/4	4,374.58	3/4	4,013.24	3/4	3,651.89	3/4	3,290.55	3/4	2,929.21	3/4	2,567.86
9		9		9		9	5,066.36	9	4,727.24	9	4,367.05	9	4,005.71	9	3,644.36	9	3,283.02	9	2,921.68	9	2,560.33
1/4		1/4		1/4		1/4	5,060.01	1/4	4,720.00	1/4	4,359.52	1/4	3,998.18	1/4	3,636.83	1/4	3,275.49	1/4	2,914.15	1/4	2,552.80
1/2		1/2		1/2		1/2	5,053.66	1/2	4,712.76	1/2	4,352.00	1/2	3,990.66	1/2	3,629.30	1/2	3,267.96	1/2	2,906.62	1/2	2,545.27
3/4		3/4		3/4		3/4	5,047.31	3/4	4,705.52	3/4	4,344.47	3/4	3,983.13	3/4	3,621.78	3/4	3,260.44	3/4	2,899.09	3/4	2,537.75
10		10		10		10	5,040.96	10	4,698.28	10	4,336.94	10	3,975.60	10	3,614.25	10	3,252.91	10	2,891.56	10	2,530.22
1/4		1/4		1/4		1/4	5,033.95	1/4	4,690.75	1/4	4,329.41	1/4	3,968.07	1/4	3,606.72	1/4	3,245.38	1/4	2,884.03	1/4	2,522.69
1/2		1/2		1/2		1/2	5,026.94	1/2	4,683.23	1/2	4,321.89	1/2	3,960.54	1/2	3,599.19	1/2	3,237.85	1/2	2,876.50	1/2	2,515.16
3/4		3/4		3/4		3/4	5,019.93	3/4	4,675.70	3/4	4,314.36	3/4	3,953.01	3/4	3,591.67	3/4	3,230.33	3/4	2,868.98	3/4	2,507.64
11		11		11		11	5,012.92	11	4,668.17	11	4,306.83	11	3,945.48	11	3,584.14	11	3,222.80	11	2,861.45	11	2,500.11
1/4		1/4		1/4		1/4	5,005.78	1/4	4,660.64	1/4	4,299.30	1/4	3,937.95	1/4	3,576.61	1/4	3,215.27	1/4	2,853.92	1/4	2,492.58
1/2		1/2		1/2		1/2	4,998.64	1/2	4,653.12	1/2	4,291.78	1/2	3,930.42	1/2	3,569.08	1/2	3,207.74	1/2	2,846.39	1/2	2,485.05
3/4		3/4		3/4		3/4	4,991.49	3/4	4,645.59	3/4	4,284.25	3/4	3,922.90	3/4	3,561.56	3/4	3,200.21	3/4	2,838.87	3/4	2,477.53

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 48'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "HTCO 3068"

2 STBD

ULLAGE TABLE
HERMETIC

GAUGE HEIGHT 16'-10 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	2,470.00	0	2,108.65	0	1,747.31	0	1,385.96	0	1,024.62	0	663.28	0	301.93	0		0		0	
1/4	2,462.47	1/4	2,101.12	1/4	1,739.78	1/4	1,378.43	1/4	1,017.09	1/4	655.75	1/4	294.40	1/4		1/4		1/4	
1/2	2,454.94	1/2	2,093.59	1/2	1,732.25	1/2	1,370.90	1/2	1,009.56	1/2	648.22	1/2	286.87	1/2		1/2		1/2	
3/4	2,447.41	3/4	2,086.07	3/4	1,724.73	3/4	1,363.38	3/4	1,002.04	3/4	640.69	3/4	279.35	3/4		3/4		3/4	
1	2,439.88	1	2,078.54	1	1,717.20	1	1,355.85	1	994.51	1	633.16	1	271.82	1		1		1	
1/4	2,432.35	1/4	2,071.01	1/4	1,709.67	1/4	1,348.32	1/4	986.98	1/4	625.63	1/4	264.29	1/4		1/4		1/4	
1/2	2,424.82	1/2	2,063.48	1/2	1,702.14	1/2	1,340.79	1/2	979.45	1/2	618.10	1/2	256.76	1/2		1/2		1/2	
3/4	2,417.30	3/4	2,055.96	3/4	1,694.61	3/4	1,333.27	3/4	971.93	3/4	610.58	3/4	249.24	3/4		3/4		3/4	
2	2,409.77	2	2,048.43	2	1,687.08	2	1,325.74	2	964.40	2	603.05	2	241.71	2		2		2	
1/4	2,402.24	1/4	2,040.90	1/4	1,679.55	1/4	1,318.21	1/4	956.87	1/4	595.52	1/4	234.18	1/4		1/4		1/4	
1/2	2,394.71	1/2	2,033.37	1/2	1,672.02	1/2	1,310.68	1/2	949.34	1/2	587.99	1/2	226.65	1/2		1/2		1/2	
3/4	2,387.19	3/4	2,025.85	3/4	1,664.50	3/4	1,303.16	3/4	941.81	3/4	580.47	3/4	219.13	3/4		3/4		3/4	
3	2,379.66	3	2,018.32	3	1,656.97	3	1,295.63	3	934.28	3	572.94	3	211.60	3		3		3	
1/4	2,372.13	1/4	2,010.79	1/4	1,649.44	1/4	1,288.10	1/4	926.75	1/4	565.41	1/4	204.07	1/4		1/4		1/4	
1/2	2,364.60	1/2	2,003.26	1/2	1,641.91	1/2	1,280.57	1/2	919.22	1/2	557.88	1/2	196.54	1/2		1/2		1/2	
3/4	2,357.08	3/4	1,995.73	3/4	1,634.39	3/4	1,273.05	3/4	911.70	3/4	550.36	3/4	189.01	3/4		3/4		3/4	
4	2,349.55	4	1,988.20	4	1,626.86	4	1,265.52	4	904.17	4	542.83	4	181.48	4		4		4	
1/4	2,342.02	1/4	1,980.67	1/4	1,619.33	1/4	1,257.99	1/4	896.64	1/4	535.30	1/4	174.40	1/4		1/4		1/4	
1/2	2,334.49	1/2	1,973.14	1/2	1,611.80	1/2	1,250.46	1/2	889.11	1/2	527.77	1/2	167.31	1/2		1/2		1/2	
3/4	2,326.97	3/4	1,965.62	3/4	1,604.28	3/4	1,242.93	3/4	881.59	3/4	520.25	3/4	160.23	3/4		3/4		3/4	
5	2,319.44	5	1,958.09	5	1,596.75	5	1,235.40	5	874.06	5	512.72	5	153.15	5		5		5	
1/4	2,311.91	1/4	1,950.56	1/4	1,589.22	1/4	1,227.87	1/4	866.53	1/4	505.19	1/4	146.22	1/4		1/4		1/4	
1/2	2,304.38	1/2	1,943.03	1/2	1,581.69	1/2	1,220.34	1/2	859.00	1/2	497.66	1/2	139.28	1/2		1/2		1/2	
3/4	2,296.85	3/4	1,935.51	3/4	1,574.17	3/4	1,212.82	3/4	851.48	3/4	490.13	3/4	132.35	3/4		3/4		3/4	
6	2,289.32	6	1,927.98	6	1,566.64	6	1,205.29	6	843.95	6	482.60	6	125.42	6		6		6	
1/4	2,281.79	1/4	1,920.45	1/4	1,559.11	1/4	1,197.76	1/4	836.42	1/4	475.07	1/4	118.48	1/4		1/4		1/4	
1/2	2,274.26	1/2	1,912.92	1/2	1,551.58	1/2	1,190.23	1/2	828.89	1/2	467.54	1/2	111.55	1/2		1/2		1/2	
3/4	2,266.74	3/4	1,905.40	3/4	1,544.05	3/4	1,182.71	3/4	821.37	3/4	460.02	3/4	104.61	3/4		3/4		3/4	
7	2,259.21	7	1,897.87	7	1,536.52	7	1,175.18	7	813.84	7	452.49	7	97.68	7		7		7	
1/4	2,251.68	1/4	1,890.34	1/4	1,528.99	1/4	1,167.65	1/4	806.31	1/4	444.96	1/4	90.75	1/4		1/4		1/4	
1/2	2,244.15	1/2	1,882.81	1/2	1,521.46	1/2	1,160.12	1/2	798.78	1/2	437.43	1/2	83.81	1/2		1/2		1/2	
3/4	2,236.63	3/4	1,875.29	3/4	1,513.94	3/4	1,152.60	3/4	791.25	3/4	429.91	3/4	76.88	3/4		3/4		3/4	
8	2,229.10	8	1,867.76	8	1,506.41	8	1,145.07	8	783.72	8	422.38	8	69.95	8		8		8	
1/4	2,221.57	1/4	1,860.23	1/4	1,498.88	1/4	1,137.54	1/4	776.19	1/4	414.85	1/4	63.14	1/4		1/4		1/4	
1/2	2,214.04	1/2	1,852.70	1/2	1,491.35	1/2	1,130.01	1/2	768.66	1/2	407.32	1/2	56.33	1/2		1/2		1/2	
3/4	2,206.52	3/4	1,845.17	3/4	1,483.83	3/4	1,122.49	3/4	761.14	3/4	399.80	3/4	49.52	3/4		3/4		3/4	
9	2,198.99	9	1,837.64	9	1,476.30	9	1,114.96	9	753.61	9	392.27	9	42.71	9		9		9	
1/4	2,191.46	1/4	1,830.11	1/4	1,468.77	1/4	1,107.43	1/4	746.08	1/4	384.74	1/4	37.43	1/4		1/4		1/4	
1/2	2,183.93	1/2	1,822.58	1/2	1,461.24	1/2	1,099.90	1/2	738.55	1/2	377.21	1/2	32.15	1/2		1/2		1/2	
3/4	2,176.41	3/4	1,815.06	3/4	1,453.72	3/4	1,092.37	3/4	731.03	3/4	369.69	3/4	26.87	3/4		3/4		3/4	
10	2,168.88	10	1,807.53	10	1,446.19	10	1,084.84	10	723.50	10	362.16	10	21.59	10		10		10	
1/4	2,161.35	1/4	1,800.00	1/4	1,438.66	1/4	1,077.31	1/4	715.97	1/4	354.63	1/4	18.06	1/4		1/4		1/4	
1/2	2,153.82	1/2	1,792.47	1/2	1,431.13	1/2	1,069.78	1/2	708.44	1/2	347.10	1/2		1/2		1/2		1/2	
3/4	2,146.29	3/4	1,784.95	3/4	1,423.61	3/4	1,062.26	3/4	700.92	3/4	339.57	3/4		3/4		3/4		3/4	
11	2,138.76	11	1,777.42	11	1,416.08	11	1,054.73	11	693.39	11	332.04	11		11		11		11	
1/4	2,131.23	1/4	1,769.89	1/4	1,408.55	1/4	1,047.20	1/4	685.86	1/4	324.51	1/4		1/4		1/4		1/4	
1/2	2,123.70	1/2	1,762.36	1/2	1,401.02	1/2	1,039.67	1/2	678.33	1/2	316.98	1/2		1/2		1/2		1/2	
3/4	2,116.18	3/4	1,754.84	3/4	1,393.49	3/4	1,032.15	3/4	670.81	3/4	309.46	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/13/2009 INS
RECALCULATED: 09/12/2019 SW
REPRINTED: 09/12/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2019

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



BARGE "HTCO 3068"

3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 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	3,946.38	0	3,838.57	0	3,730.76	0	3,622.95	0	3,508.26	0	3,185.16	0	2,826.51		
1/4		1/4		1/4		1/4	3,944.13	1/4	3,836.32	1/4	3,728.51	1/4	3,620.70	1/4	3,504.66	1/4	3,177.69	1/4	2,819.04		
1/2		1/2		1/2		1/2	3,941.88	1/2	3,834.07	1/2	3,726.27	1/2	3,618.46	1/2	3,500.29	1/2	3,170.22	1/2	2,811.57		
3/4		3/4		3/4		3/4	3,939.64	3/4	3,831.83	3/4	3,724.02	3/4	3,616.21	3/4	3,495.91	3/4	3,162.75	3/4	2,804.10		
1		1		1		1	3,937.39	1	3,829.58	1	3,721.78	1	3,613.97	1	3,491.54	1	3,155.27	1	2,796.62		
1/4		1/4		1/4		1/4	3,935.14	1/4	3,827.33	1/4	3,719.53	1/4	3,611.72	1/4	3,487.16	1/4	3,147.80	1/4	2,789.15		
1/2		1/2		1/2		1/2	3,932.90	1/2	3,825.09	1/2	3,717.28	1/2	3,609.47	1/2	3,482.01	1/2	3,140.33	1/2	2,781.68		
3/4		3/4		3/4		3/4	3,930.65	3/4	3,822.84	3/4	3,715.04	3/4	3,607.23	3/4	3,476.86	3/4	3,132.86	3/4	2,774.21		
2		2		2		2	3,928.41	2	3,820.60	2	3,712.79	2	3,604.98	2	3,471.70	2	3,125.39	2	2,766.73		
1/4		1/4		1/4		1/4	3,926.16	1/4	3,818.35	1/4	3,710.54	1/4	3,602.73	1/4	3,466.55	1/4	3,117.92	1/4	2,759.26		
1/2		1/2		1/2		1/2	3,923.91	1/2	3,816.11	1/2	3,708.30	1/2	3,600.49	1/2	3,460.62	1/2	3,110.45	1/2	2,751.79		
3/4		3/4		3/4		3/4	3,921.67	3/4	3,813.86	3/4	3,706.05	3/4	3,598.24	3/4	3,454.70	3/4	3,102.98	3/4	2,744.32		
3		3		3		3	3,919.42	3	3,811.62	3	3,703.81	3	3,596.00	3	3,448.77	3	3,095.50	3	2,736.84		
1/4		1/4		1/4		1/4	3,917.17	1/4	3,809.37	1/4	3,701.56	1/4	3,593.75	1/4	3,442.84	1/4	3,088.03	1/4	2,729.37		
1/2		1/2		1/2		1/2	3,914.93	1/2	3,807.12	1/2	3,699.31	1/2	3,591.51	1/2	3,436.14	1/2	3,080.56	1/2	2,721.90		
3/4		3/4		3/4		3/4	3,912.68	3/4	3,804.88	3/4	3,697.07	3/4	3,589.26	3/4	3,429.44	3/4	3,073.09	3/4	2,714.43		
4		4		4		4	3,910.44	4	3,802.63	4	3,694.82	4	3,587.02	4	3,422.73	4	3,065.61	4	2,706.95		
1/4		1/4		1/4		1/4	3,908.19	1/4	3,800.38	1/4	3,692.57	1/4	3,584.77	1/4	3,416.03	1/4	3,058.14	1/4	2,699.48		
1/2		1/2		1/2		1/2	3,905.95	1/2	3,798.14	1/2	3,690.33	1/2	3,582.52	1/2	3,408.75	1/2	3,050.67	1/2	2,692.01		
3/4		3/4		3/4		3/4	3,903.70	3/4	3,795.89	3/4	3,688.08	3/4	3,580.28	3/4	3,401.47	3/4	3,043.20	3/4	2,684.54		
5		5		5		5	3,901.46	5	3,793.65	5	3,685.84	5	3,578.03	5	3,394.19	5	3,035.72	5	2,677.07		
1/4		1/4		1/4		1/4	3,899.21	1/4	3,791.40	1/4	3,683.59	1/4	3,575.78	1/4	3,386.91	1/4	3,028.25	1/4	2,669.60		
1/2		1/2		1/2		1/2	3,896.96	1/2	3,789.15	1/2	3,681.35	1/2	3,573.54	1/2	3,379.44	1/2	3,020.78	1/2	2,662.13		
3/4		3/4		3/4		3/4	3,894.72	3/4	3,786.91	3/4	3,679.10	3/4	3,571.29	3/4	3,371.97	3/4	3,013.31	3/4	2,654.66		
6		6		6		6	3,892.47	6	3,784.66	6	3,676.86	6	3,569.05	6	3,364.49	6	3,005.83	6	2,647.18		
1/4		1/4		1/4		1/4	3,890.22	1/4	3,782.41	1/4	3,674.61	1/4	3,566.80	1/4	3,357.02	1/4	2,998.36	1/4	2,639.71		
1/2		1/2		1/2		1/2	3,887.98	1/2	3,780.17	1/2	3,672.36	1/2	3,564.55	1/2	3,349.55	1/2	2,990.89	1/2	2,632.24		
3/4		3/4		3/4		3/4	3,885.73	3/4	3,777.92	3/4	3,670.12	3/4	3,562.31	3/4	3,342.08	3/4	2,983.42	3/4	2,624.77		
7		7		7		7	3,883.49	7	3,775.68	7	3,667.87	7	3,560.06	7	3,334.60	7	2,975.95	7	2,617.29		
1/4		1/4		1/4		1/4	3,881.24	1/4	3,773.43	1/4	3,665.62	1/4	3,557.81	1/4	3,327.13	1/4	2,968.48	1/4	2,609.82		
1/2		1/2		1/2		1/2	3,878.99	1/2	3,771.19	1/2	3,663.38	1/2	3,555.57	1/2	3,319.66	1/2	2,961.01	1/2	2,602.35		
3/4		3/4		3/4		3/4	3,876.75	3/4	3,768.94	3/4	3,661.13	3/4	3,553.32	3/4	3,312.19	3/4	2,953.54	3/4	2,594.88		
8		8		8		8	3,977.89	8	3,874.50	8	3,766.70	8	3,658.89	8	3,551.08	8	3,304.71	8	2,587.40		
1/4		1/4		1/4		1/4	3,976.56	1/4	3,872.25	1/4	3,764.45	1/4	3,656.64	1/4	3,548.83	1/4	3,297.24	1/4	2,579.93		
1/2		1/2		1/2		1/2	3,974.90	1/2	3,870.01	1/2	3,762.20	1/2	3,654.39	1/2	3,546.59	1/2	3,289.77	1/2	2,572.46		
3/4		3/4		3/4		3/4	3,973.24	3/4	3,867.76	3/4	3,759.96	3/4	3,652.15	3/4	3,544.34	3/4	3,282.30	3/4	2,564.99		
9		9		9		9	3,971.57	9	3,865.52	9	3,757.71	9	3,649.90	9	3,542.10	9	3,274.83	9	2,916.17	9	2,557.51
1/4		1/4		1/4		1/4	3,969.91	1/4	3,863.27	1/4	3,755.46	1/4	3,647.65	1/4	3,539.85	1/4	3,267.36	1/4	2,908.70	1/4	2,550.04
1/2		1/2		1/2		1/2	3,967.92	1/2	3,861.03	1/2	3,753.22	1/2	3,645.41	1/2	3,537.53	1/2	3,259.89	1/2	2,901.23	1/2	2,542.57
3/4		3/4		3/4		3/4	3,965.92	3/4	3,858.78	3/4	3,750.97	3/4	3,643.16	3/4	3,535.21	3/4	3,252.42	3/4	2,893.76	3/4	2,535.10
10		10		10		10	3,963.93	10	3,856.54	10	3,748.73	10	3,640.92	10	3,532.89	10	3,244.94	10	2,886.28	10	2,527.63
1/4		1/4		1/4		1/4	3,961.93	1/4	3,854.29	1/4	3,746.48	1/4	3,638.67	1/4	3,530.57	1/4	3,237.47	1/4	2,878.81	1/4	2,520.16
1/2		1/2		1/2		1/2	3,959.73	1/2	3,852.04	1/2	3,744.23	1/2	3,636.43	1/2	3,527.70	1/2	3,230.00	1/2	2,871.34	1/2	2,512.69
3/4		3/4		3/4		3/4	3,957.52	3/4	3,849.80	3/4	3,741.99	3/4	3,634.18	3/4	3,524.82	3/4	3,222.53	3/4	2,863.87	3/4	2,505.22
11		11		11		11	3,955.32	11	3,847.55	11	3,739.74	11	3,631.94	11	3,521.95	11	3,215.05	11	2,856.39	11	2,497.74
1/4		1/4		1/4		1/4	3,953.11	1/4	3,845.30	1/4	3,737.49	1/4	3,629.69	1/4	3,519.07	1/4	3,207.58	1/4	2,848.92	1/4	2,490.27
1/2		1/2		1/2		1/2	3,950.87	1/2	3,843.06	1/2	3,735.25	1/2	3,627.44	1/2	3,515.47	1/2	3,200.11	1/2	2,841.45	1/2	2,482.80
3/4		3/4		3/4		3/4	3,948.62	3/4	3,840.81	3/4	3,733.00	3/4	3,625.20	3/4	3,511.87	3/4	3,192.64	3/4	2,833.98	3/4	2,475.33

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 67'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "HTCO 3068"

3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 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	2,467.85	0	2,109.19	0	1,750.54	0	1,391.88	0	1,033.23	0	674.57	0	315.91	0		0		0	
1/4	2,460.38	1/4	2,101.72	1/4	1,743.07	1/4	1,384.41	1/4	1,025.76	1/4	667.10	1/4	308.44	1/4		1/4		1/4	
1/2	2,452.91	1/2	2,094.25	1/2	1,735.60	1/2	1,376.94	1/2	1,018.29	1/2	659.63	1/2	300.97	1/2		1/2		1/2	
3/4	2,445.44	3/4	2,086.78	3/4	1,728.13	3/4	1,369.47	3/4	1,010.82	3/4	652.16	3/4	293.50	3/4		3/4		3/4	
1	2,437.96	1	2,079.31	1	1,720.65	1	1,361.99	1	1,003.34	1	644.68	1	286.03	1		1		1	
1/4	2,430.49	1/4	2,071.84	1/4	1,713.18	1/4	1,354.52	1/4	995.87	1/4	637.21	1/4	278.56	1/4		1/4		1/4	
1/2	2,423.02	1/2	2,064.37	1/2	1,705.71	1/2	1,347.05	1/2	988.40	1/2	629.74	1/2	271.09	1/2		1/2		1/2	
3/4	2,415.55	3/4	2,056.90	3/4	1,698.24	3/4	1,339.58	3/4	980.93	3/4	622.27	3/4	263.62	3/4		3/4		3/4	
2	2,408.07	2	2,049.42	2	1,690.76	2	1,332.11	2	973.45	2	614.79	2	256.14	2		2		2	
1/4	2,400.60	1/4	2,041.95	1/4	1,683.29	1/4	1,324.64	1/4	965.98	1/4	607.32	1/4	248.67	1/4		1/4		1/4	
1/2	2,393.13	1/2	2,034.48	1/2	1,675.82	1/2	1,317.17	1/2	958.51	1/2	599.85	1/2	241.20	1/2		1/2		1/2	
3/4	2,385.66	3/4	2,027.01	3/4	1,668.35	3/4	1,309.70	3/4	951.04	3/4	592.38	3/4	233.73	3/4		3/4		3/4	
3	2,378.19	3	2,019.53	3	1,660.87	3	1,302.22	3	943.56	3	584.91	3	226.25	3		3		3	
1/4	2,370.72	1/4	2,012.06	1/4	1,653.40	1/4	1,294.75	1/4	936.09	1/4	577.44	1/4	218.78	1/4		1/4		1/4	
1/2	2,363.25	1/2	2,004.59	1/2	1,645.93	1/2	1,287.28	1/2	928.62	1/2	569.97	1/2	211.31	1/2		1/2		1/2	
3/4	2,355.78	3/4	1,997.12	3/4	1,638.46	3/4	1,279.81	3/4	921.15	3/4	562.50	3/4	203.84	3/4		3/4		3/4	
4	2,348.30	4	1,989.64	4	1,630.99	4	1,272.33	4	913.67	4	555.02	4	196.36	4		4		4	
1/4	2,340.83	1/4	1,982.17	1/4	1,623.52	1/4	1,264.86	1/4	906.20	1/4	547.55	1/4	188.89	1/4		1/4		1/4	
1/2	2,333.36	1/2	1,974.70	1/2	1,616.05	1/2	1,257.39	1/2	898.73	1/2	540.08	1/2	181.60	1/2		1/2		1/2	
3/4	2,325.89	3/4	1,967.23	3/4	1,608.58	3/4	1,249.92	3/4	891.26	3/4	532.61	3/4	174.30	3/4		3/4		3/4	
5	2,318.41	5	1,959.75	5	1,601.10	5	1,242.44	5	883.79	5	525.13	5	167.01	5		5		5	
1/4	2,310.94	1/4	1,952.28	1/4	1,593.63	1/4	1,234.97	1/4	876.32	1/4	517.66	1/4	159.71	1/4		1/4		1/4	
1/2	2,303.47	1/2	1,944.81	1/2	1,586.16	1/2	1,227.50	1/2	868.85	1/2	510.19	1/2	152.48	1/2		1/2		1/2	
3/4	2,296.00	3/4	1,937.34	3/4	1,578.69	3/4	1,220.03	3/4	861.38	3/4	502.72	3/4	145.24	3/4		3/4		3/4	
6	2,288.52	6	1,929.87	6	1,571.21	6	1,212.55	6	853.90	6	495.24	6	138.01	6		6		6	
1/4	2,281.05	1/4	1,922.40	1/4	1,563.74	1/4	1,205.08	1/4	846.43	1/4	487.77	1/4	130.77	1/4		1/4		1/4	
1/2	2,273.58	1/2	1,914.93	1/2	1,556.27	1/2	1,197.61	1/2	838.96	1/2	480.30	1/2	123.53	1/2		1/2		1/2	
3/4	2,266.11	3/4	1,907.46	3/4	1,548.80	3/4	1,190.14	3/4	831.49	3/4	472.83	3/4	116.30	3/4		3/4		3/4	
7	2,258.63	7	1,899.98	7	1,541.32	7	1,182.67	7	824.01	7	465.35	7	109.06	7		7		7	
1/4	2,251.16	1/4	1,892.51	1/4	1,533.85	1/4	1,175.20	1/4	816.54	1/4	457.88	1/4	101.82	1/4		1/4		1/4	
1/2	2,243.69	1/2	1,885.04	1/2	1,526.38	1/2	1,167.73	1/2	809.07	1/2	450.41	1/2	94.59	1/2		1/2		1/2	
3/4	2,236.22	3/4	1,877.57	3/4	1,518.91	3/4	1,160.26	3/4	801.60	3/4	442.94	3/4	87.35	3/4		3/4		3/4	
8	2,228.75	8	1,870.09	8	1,511.43	8	1,152.78	8	794.12	8	435.47	8	80.12	8		8		8	
1/4	2,221.28	1/4	1,862.62	1/4	1,503.96	1/4	1,145.31	1/4	786.65	1/4	428.00	1/4	72.88	1/4		1/4		1/4	
1/2	2,213.81	1/2	1,855.15	1/2	1,496.49	1/2	1,137.84	1/2	779.18	1/2	420.53	1/2	65.78	1/2		1/2		1/2	
3/4	2,206.34	3/4	1,847.68	3/4	1,489.02	3/4	1,130.37	3/4	771.71	3/4	413.06	3/4	58.68	3/4		3/4		3/4	
9	2,198.86	9	1,840.20	9	1,481.55	9	1,122.89	9	764.23	9	405.58	9	51.57	9		9		9	
1/4	2,191.39	1/4	1,832.73	1/4	1,474.08	1/4	1,115.42	1/4	756.76	1/4	398.11	1/4	44.47	1/4		1/4		1/4	
1/2	2,183.92	1/2	1,825.26	1/2	1,466.61	1/2	1,107.95	1/2	749.29	1/2	390.64	1/2	38.97	1/2		1/2		1/2	
3/4	2,176.45	3/4	1,817.79	3/4	1,459.14	3/4	1,100.48	3/4	741.82	3/4	383.17	3/4	33.47	3/4		3/4		3/4	
10	2,168.97	10	1,810.31	10	1,451.66	10	1,093.00	10	734.35	10	375.69	10	27.97	10		10		10	
1/4	2,161.50	1/4	1,802.84	1/4	1,444.19	1/4	1,085.53	1/4	726.88	1/4	368.22	1/4	22.47	1/4		1/4		1/4	
1/2	2,154.03	1/2	1,795.37	1/2	1,436.72	1/2	1,078.06	1/2	719.41	1/2	360.75	1/2	18.79	1/2		1/2		1/2	
3/4	2,146.56	3/4	1,787.90	3/4	1,429.25	3/4	1,070.59	3/4	711.94	3/4	353.28	3/4		3/4		3/4		3/4	
11	2,139.08	11	1,780.43	11	1,421.77	11	1,063.11	11	704.46	11	345.80	11		11		11		11	
1/4	2,131.61	1/4	1,772.96	1/4	1,414.30	1/4	1,055.64	1/4	696.99	1/4	338.33	1/4		1/4		1/4		1/4	
1/2	2,124.14	1/2	1,765.49	1/2	1,406.83	1/2	1,048.17	1/2	689.52	1/2	330.86	1/2		1/2		1/2		1/2	
3/4	2,116.67	3/4	1,758.02	3/4	1,399.36	3/4	1,040.70	3/4	682.05	3/4	323.39	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/13/2009 INS
RECALCULATED: 09/12/2019 SW
REPRINTED: 09/12/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2019

PRECISION MEASUREMENT
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BARGE "HTCO 3068"

3 STBD ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 16'-10 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	3,948.62	0	3,840.81	0	3,733.00	0	3,625.20	0	3,511.87	0	3,192.64	0	2,833.98		
1/4		1/4		1/4		1/4	3,946.38	1/4	3,838.57	1/4	3,730.76	1/4	3,622.95	1/4	3,508.26	1/4	3,185.16	1/4	2,826.51		
1/2		1/2		1/2		1/2	3,944.13	1/2	3,836.32	1/2	3,728.51	1/2	3,620.70	1/2	3,504.66	1/2	3,177.69	1/2	2,819.04		
3/4		3/4		3/4		3/4	3,941.88	3/4	3,834.07	3/4	3,726.27	3/4	3,618.46	3/4	3,500.29	3/4	3,170.22	3/4	2,811.57		
1		1		1		1	3,939.64	1	3,831.83	1	3,724.02	1	3,616.21	1	3,495.91	1	3,162.75	1	2,804.10		
1/4		1/4		1/4		1/4	3,937.39	1/4	3,829.58	1/4	3,721.78	1/4	3,613.97	1/4	3,491.54	1/4	3,155.27	1/4	2,796.62		
1/2		1/2		1/2		1/2	3,935.14	1/2	3,827.33	1/2	3,719.53	1/2	3,611.72	1/2	3,487.16	1/2	3,147.80	1/2	2,789.15		
3/4		3/4		3/4		3/4	3,932.90	3/4	3,825.09	3/4	3,717.28	3/4	3,609.47	3/4	3,482.01	3/4	3,140.33	3/4	2,781.68		
2		2		2		2	3,930.65	2	3,822.84	2	3,715.04	2	3,607.23	2	3,476.86	2	3,132.86	2	2,774.21		
1/4		1/4		1/4		1/4	3,928.41	1/4	3,820.60	1/4	3,712.79	1/4	3,604.98	1/4	3,471.70	1/4	3,125.39	1/4	2,766.73		
1/2		1/2		1/2		1/2	3,926.16	1/2	3,818.35	1/2	3,710.54	1/2	3,602.73	1/2	3,466.55	1/2	3,117.92	1/2	2,759.26		
3/4		3/4		3/4		3/4	3,923.91	3/4	3,816.11	3/4	3,708.30	3/4	3,600.49	3/4	3,460.62	3/4	3,110.45	3/4	2,751.79		
3		3		3		3	3,921.67	3	3,813.86	3	3,706.05	3	3,598.24	3	3,454.70	3	3,102.98	3	2,744.32		
1/4		1/4		1/4		1/4	3,919.42	1/4	3,811.62	1/4	3,703.81	1/4	3,596.00	1/4	3,448.77	1/4	3,095.50	1/4	2,736.84		
1/2		1/2		1/2		1/2	3,917.17	1/2	3,809.37	1/2	3,701.56	1/2	3,593.75	1/2	3,442.84	1/2	3,088.03	1/2	2,729.37		
3/4		3/4		3/4		3/4	3,914.93	3/4	3,807.12	3/4	3,699.31	3/4	3,591.51	3/4	3,436.14	3/4	3,080.56	3/4	2,721.90		
4		4		4		4	3,912.68	4	3,804.88	4	3,697.07	4	3,589.26	4	3,429.44	4	3,073.09	4	2,714.43		
1/4		1/4		1/4		1/4	3,910.44	1/4	3,802.63	1/4	3,694.82	1/4	3,587.02	1/4	3,422.73	1/4	3,065.61	1/4	2,706.95		
1/2		1/2		1/2		1/2	3,908.19	1/2	3,800.38	1/2	3,692.57	1/2	3,584.77	1/2	3,416.03	1/2	3,058.14	1/2	2,699.48		
3/4		3/4		3/4		3/4	3,905.95	3/4	3,798.14	3/4	3,690.33	3/4	3,582.52	3/4	3,408.75	3/4	3,050.67	3/4	2,692.01		
5		5		5		5	3,903.70	5	3,795.89	5	3,688.08	5	3,580.28	5	3,401.47	5	3,043.20	5	2,684.54		
1/4		1/4		1/4		1/4	3,901.46	1/4	3,793.65	1/4	3,685.84	1/4	3,578.03	1/4	3,394.19	1/4	3,035.72	1/4	2,677.07		
1/2		1/2		1/2		1/2	3,899.21	1/2	3,791.40	1/2	3,683.59	1/2	3,575.78	1/2	3,386.91	1/2	3,028.25	1/2	2,669.60		
3/4		3/4		3/4		3/4	3,896.96	3/4	3,789.15	3/4	3,681.35	3/4	3,573.54	3/4	3,379.44	3/4	3,020.78	3/4	2,662.13		
6		6		6		6	3,894.72	6	3,786.91	6	3,679.10	6	3,571.29	6	3,371.97	6	3,013.31	6	2,654.66		
1/4		1/4		1/4		1/4	3,892.47	1/4	3,784.66	1/4	3,676.86	1/4	3,569.05	1/4	3,364.49	1/4	3,005.83	1/4	2,647.18		
1/2		1/2		1/2		1/2	3,890.22	1/2	3,782.41	1/2	3,674.61	1/2	3,566.80	1/2	3,357.02	1/2	2,998.36	1/2	2,639.71		
3/4		3/4		3/4		3/4	3,887.98	3/4	3,780.17	3/4	3,672.36	3/4	3,564.55	3/4	3,349.55	3/4	2,990.89	3/4	2,632.24		
7		7		7		7	3,885.73	7	3,777.92	7	3,670.12	7	3,562.31	7	3,342.08	7	2,983.42	7	2,624.77		
1/4		1/4		1/4		1/4	3,883.49	1/4	3,775.68	1/4	3,667.87	1/4	3,560.06	1/4	3,334.60	1/4	2,975.95	1/4	2,617.29		
1/2		1/2		1/2		1/2	3,881.24	1/2	3,773.43	1/2	3,665.62	1/2	3,557.81	1/2	3,327.13	1/2	2,968.48	1/2	2,609.82		
3/4		3/4		3/4		3/4	3,878.99	3/4	3,771.19	3/4	3,663.38	3/4	3,555.57	3/4	3,319.66	3/4	2,961.01	3/4	2,602.35		
8		8		8		8	3,876.75	8	3,768.94	8	3,661.13	8	3,553.32	8	3,312.19	8	2,953.54	8	2,594.88		
1/4		1/4		1/4		1/4	3,977.89	1/4	3,874.50	1/4	3,766.70	1/4	3,658.89	1/4	3,551.08	1/4	3,304.71	1/4	2,946.06	1/4	2,587.40
1/2		1/2		1/2		1/2	3,976.56	1/2	3,872.25	1/2	3,764.45	1/2	3,656.64	1/2	3,548.83	1/2	3,297.24	1/2	2,938.59	1/2	2,579.93
3/4		3/4		3/4		3/4	3,974.90	3/4	3,870.01	3/4	3,762.20	3/4	3,654.39	3/4	3,546.59	3/4	3,289.77	3/4	2,931.12	3/4	2,572.46
9		9		9		9	3,973.24	9	3,867.76	9	3,759.96	9	3,652.15	9	3,544.34	9	3,282.30	9	2,923.65	9	2,564.99
1/4		1/4		1/4		1/4	3,971.57	1/4	3,865.52	1/4	3,757.71	1/4	3,649.90	1/4	3,542.10	1/4	3,274.83	1/4	2,916.17	1/4	2,557.51
1/2		1/2		1/2		1/2	3,969.91	1/2	3,863.27	1/2	3,755.46	1/2	3,647.65	1/2	3,539.85	1/2	3,267.36	1/2	2,908.70	1/2	2,550.04
3/4		3/4		3/4		3/4	3,967.92	3/4	3,861.03	3/4	3,753.22	3/4	3,645.41	3/4	3,537.53	3/4	3,259.89	3/4	2,901.23	3/4	2,542.57
10		10		10		10	3,965.92	10	3,858.78	10	3,750.97	10	3,643.16	10	3,535.21	10	3,252.42	10	2,893.76	10	2,535.10
1/4		1/4		1/4		1/4	3,963.93	1/4	3,856.54	1/4	3,748.73	1/4	3,640.92	1/4	3,532.89	1/4	3,244.94	1/4	2,886.28	1/4	2,527.63
1/2		1/2		1/2		1/2	3,961.93	1/2	3,854.29	1/2	3,746.48	1/2	3,638.67	1/2	3,530.57	1/2	3,237.47	1/2	2,878.81	1/2	2,520.16
3/4		3/4		3/4		3/4	3,959.73	3/4	3,852.04	3/4	3,744.23	3/4	3,636.43	3/4	3,527.70	3/4	3,230.00	3/4	2,871.34	3/4	2,512.69
11		11		11		11	3,957.52	11	3,849.80	11	3,741.99	11	3,634.18	11	3,524.82	11	3,222.53	11	2,863.87	11	2,505.22
1/4		1/4		1/4		1/4	3,955.32	1/4	3,847.55	1/4	3,739.74	1/4	3,631.94	1/4	3,521.95	1/4	3,215.05	1/4	2,856.39	1/4	2,497.74
1/2		1/2		1/2		1/2	3,953.11	1/2	3,845.30	1/2	3,737.49	1/2	3,629.69	1/2	3,519.07	1/2	3,207.58	1/2	2,848.92	1/2	2,490.27
3/4		3/4		3/4		3/4	3,950.87	3/4	3,843.06	3/4	3,735.25	3/4	3,627.44	3/4	3,515.47	3/4	3,200.11	3/4	2,841.45	3/4	2,482.80

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 67'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "HTCO 3068"

3 STBD

ULLAGE TABLE
HERMETIC

GAUGE HEIGHT 16'-10 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,475.33	0	2,116.67	0	1,758.02	0	1,399.36	0	1,040.70	0	682.05	0	323.39	0		0		0	
1/4	2,467.85	1/4	2,109.19	1/4	1,750.54	1/4	1,391.88	1/4	1,033.23	1/4	674.57	1/4	315.91	1/4	1/4	1/4		1/4	1/4
1/2	2,460.38	1/2	2,101.72	1/2	1,743.07	1/2	1,384.41	1/2	1,025.76	1/2	667.10	1/2	308.44	1/2	1/2	1/2		1/2	1/2
3/4	2,452.91	3/4	2,094.25	3/4	1,735.60	3/4	1,376.94	3/4	1,018.29	3/4	659.63	3/4	300.97	3/4	3/4	3/4		3/4	3/4
1	2,445.44	1	2,086.78	1	1,728.13	1	1,369.47	1	1,010.82	1	652.16	1	293.50	1	1	1		1	1
1/4	2,437.96	1/4	2,079.31	1/4	1,720.65	1/4	1,361.99	1/4	1,003.34	1/4	644.68	1/4	286.03	1/4	1/4	1/4		1/4	1/4
1/2	2,430.49	1/2	2,071.84	1/2	1,713.18	1/2	1,354.52	1/2	995.87	1/2	637.21	1/2	278.56	1/2	1/2	1/2		1/2	1/2
3/4	2,423.02	3/4	2,064.37	3/4	1,705.71	3/4	1,347.05	3/4	988.40	3/4	629.74	3/4	271.09	3/4	3/4	3/4		3/4	3/4
2	2,415.55	2	2,056.90	2	1,698.24	2	1,339.58	2	980.93	2	622.27	2	263.62	2	2	2		2	2
1/4	2,408.07	1/4	2,049.42	1/4	1,690.76	1/4	1,332.11	1/4	973.45	1/4	614.79	1/4	256.14	1/4	1/4	1/4		1/4	1/4
1/2	2,400.60	1/2	2,041.95	1/2	1,683.29	1/2	1,324.64	1/2	965.98	1/2	607.32	1/2	248.67	1/2	1/2	1/2		1/2	1/2
3/4	2,393.13	3/4	2,034.48	3/4	1,675.82	3/4	1,317.17	3/4	958.51	3/4	599.85	3/4	241.20	3/4	3/4	3/4		3/4	3/4
3	2,385.66	3	2,027.01	3	1,668.35	3	1,309.70	3	951.04	3	592.38	3	233.73	3	3	3		3	3
1/4	2,378.19	1/4	2,019.53	1/4	1,660.87	1/4	1,302.22	1/4	943.56	1/4	584.91	1/4	226.25	1/4	1/4	1/4		1/4	1/4
1/2	2,370.72	1/2	2,012.06	1/2	1,653.40	1/2	1,294.75	1/2	936.09	1/2	577.44	1/2	218.78	1/2	1/2	1/2		1/2	1/2
3/4	2,363.25	3/4	2,004.59	3/4	1,645.93	3/4	1,287.28	3/4	928.62	3/4	569.97	3/4	211.31	3/4	3/4	3/4		3/4	3/4
4	2,355.78	4	1,997.12	4	1,638.46	4	1,279.81	4	921.15	4	562.50	4	203.84	4	4	4		4	4
1/4	2,348.30	1/4	1,989.64	1/4	1,630.99	1/4	1,272.33	1/4	913.67	1/4	555.02	1/4	196.36	1/4	1/4	1/4		1/4	1/4
1/2	2,340.83	1/2	1,982.17	1/2	1,623.52	1/2	1,264.86	1/2	906.20	1/2	547.55	1/2	188.89	1/2	1/2	1/2		1/2	1/2
3/4	2,333.36	3/4	1,974.70	3/4	1,616.05	3/4	1,257.39	3/4	898.73	3/4	540.08	3/4	181.60	3/4	3/4	3/4		3/4	3/4
5	2,325.89	5	1,967.23	5	1,608.58	5	1,249.92	5	891.26	5	532.61	5	174.30	5	5	5		5	5
1/4	2,318.41	1/4	1,959.75	1/4	1,601.10	1/4	1,242.44	1/4	883.79	1/4	525.13	1/4	167.01	1/4	1/4	1/4		1/4	1/4
1/2	2,310.94	1/2	1,952.28	1/2	1,593.63	1/2	1,234.97	1/2	876.32	1/2	517.66	1/2	159.71	1/2	1/2	1/2		1/2	1/2
3/4	2,303.47	3/4	1,944.81	3/4	1,586.16	3/4	1,227.50	3/4	868.85	3/4	510.19	3/4	152.48	3/4	3/4	3/4		3/4	3/4
6	2,296.00	6	1,937.34	6	1,578.69	6	1,220.03	6	861.38	6	502.72	6	145.24	6	6	6		6	6
1/4	2,288.52	1/4	1,929.87	1/4	1,571.21	1/4	1,212.55	1/4	853.90	1/4	495.24	1/4	138.01	1/4	1/4	1/4		1/4	1/4
1/2	2,281.05	1/2	1,922.40	1/2	1,563.74	1/2	1,205.08	1/2	846.43	1/2	487.77	1/2	130.77	1/2	1/2	1/2		1/2	1/2
3/4	2,273.58	3/4	1,914.93	3/4	1,556.27	3/4	1,197.61	3/4	838.96	3/4	480.30	3/4	123.53	3/4	3/4	3/4		3/4	3/4
7	2,266.11	7	1,907.46	7	1,548.80	7	1,190.14	7	831.49	7	472.83	7	116.30	7	7	7		7	7
1/4	2,258.63	1/4	1,899.98	1/4	1,541.32	1/4	1,182.67	1/4	824.01	1/4	465.35	1/4	109.06	1/4	1/4	1/4		1/4	1/4
1/2	2,251.16	1/2	1,892.51	1/2	1,533.85	1/2	1,175.20	1/2	816.54	1/2	457.88	1/2	101.82	1/2	1/2	1/2		1/2	1/2
3/4	2,243.69	3/4	1,885.04	3/4	1,526.38	3/4	1,167.73	3/4	809.07	3/4	450.41	3/4	94.59	3/4	3/4	3/4		3/4	3/4
8	2,236.22	8	1,877.57	8	1,518.91	8	1,160.26	8	801.60	8	442.94	8	87.35	8	8	8		8	8
1/4	2,228.75	1/4	1,870.09	1/4	1,511.43	1/4	1,152.78	1/4	794.12	1/4	435.47	1/4	80.12	1/4	1/4	1/4		1/4	1/4
1/2	2,221.28	1/2	1,862.62	1/2	1,503.96	1/2	1,145.31	1/2	786.65	1/2	428.00	1/2	72.88	1/2	1/2	1/2		1/2	1/2
3/4	2,213.81	3/4	1,855.15	3/4	1,496.49	3/4	1,137.84	3/4	779.18	3/4	420.53	3/4	65.78	3/4	3/4	3/4		3/4	3/4
9	2,206.34	9	1,847.68	9	1,489.02	9	1,130.37	9	771.71	9	413.06	9	58.68	9	9	9		9	9
1/4	2,198.86	1/4	1,840.20	1/4	1,481.55	1/4	1,122.89	1/4	764.23	1/4	405.58	1/4	51.57	1/4	1/4	1/4		1/4	1/4
1/2	2,191.39	1/2	1,832.73	1/2	1,474.08	1/2	1,115.42	1/2	756.76	1/2	398.11	1/2	44.47	1/2	1/2	1/2		1/2	1/2
3/4	2,183.92	3/4	1,825.26	3/4	1,466.61	3/4	1,107.95	3/4	749.29	3/4	390.64	3/4	38.97	3/4	3/4	3/4		3/4	3/4
10	2,176.45	10	1,817.79	10	1,459.14	10	1,100.48	10	741.82	10	383.17	10	33.47	10	10	10		10	10
1/4	2,168.97	1/4	1,810.31	1/4	1,451.66	1/4	1,093.00	1/4	734.35	1/4	375.69	1/4	27.97	1/4	1/4	1/4		1/4	1/4
1/2	2,161.50	1/2	1,802.84	1/2	1,444.19	1/2	1,085.53	1/2	726.88	1/2	368.22	1/2	22.47	1/2	1/2	1/2		1/2	1/2
3/4	2,154.03	3/4	1,795.37	3/4	1,436.72	3/4	1,078.06	3/4	719.41	3/4	360.75	3/4	18.79	3/4	3/4	3/4		3/4	3/4
11	2,146.56	11	1,787.90	11	1,429.25	11	1,070.59	11	711.94	11	353.28	11		11	11	11		11	11
1/4	2,139.08	1/4	1,780.43	1/4	1,421.77	1/4	1,063.11	1/4	704.46	1/4	345.80	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,131.61	1/2	1,772.96	1/2	1,414.30	1/2	1,055.64	1/2	696.99	1/2	338.33	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,124.14	3/4	1,765.49	3/4	1,406.83	3/4	1,048.17	3/4	689.52	3/4	330.86	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/13/2009 INS
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ALL PRIOR TO 09/2019

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