



# BARGE "HTCO 3096"

## 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	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8
1 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8
2 PORT	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4	00-7/8	- 00-7/8
2 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4	00-7/8	- 00-7/8
3 PORT	00-1/8	- 00-1/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8
3 STBD	00-1/8	- 00-1/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 237'-09"

May 10, 2018

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "HTCO 3096"

## 1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03"

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE  
 GAUGE POINT: (HERMETIC) LOCATED 12'-07" OFF CENTERLINE AND 46'-00" FORWARD OF AFT BULKHEAD

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



# BARGE "HTCO 3096"

**1 PORT  
ULLAGE TABLE  
HERMETIC  
GAUGE HEIGHT 17'-03"**

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/09/2013 CL - SW  
RECALCULATED: 05/09/2018 CL  
REPRINTED: 05/10/2018 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2018

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



# BARGE "HTCO 3096"

## 1 STBD ULLAGE TABLE HERMETIC GAUGE HEIGHT 17'-03"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,678.50	0	4,321.89	0	3,964.08	0	3,606.24	0	3,248.40	0	2,890.55
1/4		1/4		1/4		1/4		1/4	4,671.11	1/4	4,314.45	1/4	3,956.63	1/4	3,598.79	1/4	3,240.95	1/4	2,883.09
1/2		1/2		1/2		1/2		1/2	5,006.99	1/2	4,663.72	1/2	4,307.00	1/2	3,949.17	1/2	3,591.33	1/2	3,233.49
3/4		3/4		3/4		3/4		3/4	5,002.25	3/4	4,656.32	3/4	4,299.56	3/4	3,941.72	3/4	3,583.88	3/4	3,226.04
1		1		1		1		1	4,996.46	1	4,648.91	1	4,292.10	1	3,934.26	1	3,576.42	1	3,218.58
1/4		1/4		1/4		1/4		1/4	4,990.66	1/4	4,641.50	1/4	4,284.65	1/4	3,926.81	1/4	3,568.97	1/4	3,211.13
1/2		1/2		1/2		1/2		1/2	4,984.86	1/2	4,634.08	1/2	4,277.19	1/2	3,919.35	1/2	3,561.51	1/2	3,203.67
3/4		3/4		3/4		3/4		3/4	4,979.06	3/4	4,626.67	3/4	4,269.74	3/4	3,911.90	3/4	3,554.06	3/4	3,196.22
2		2		2		2		2	4,972.26	2	4,619.24	2	4,262.28	2	3,904.44	2	3,546.60	2	3,188.76
1/4		1/4		1/4		1/4		1/4	4,965.46	1/4	4,611.80	1/4	4,254.83	1/4	3,896.99	1/4	3,539.15	1/4	3,181.31
1/2		1/2		1/2		1/2		1/2	4,958.67	1/2	4,604.37	1/2	4,247.37	1/2	3,889.53	1/2	3,531.69	1/2	3,173.85
3/4		3/4		3/4		3/4		3/4	4,951.87	3/4	4,596.94	3/4	4,239.92	3/4	3,882.08	3/4	3,524.24	3/4	3,166.40
3		3		3		3		3	4,944.54	3	4,589.50	3	4,232.46	3	3,874.62	3	3,516.78	3	3,158.94
1/4		1/4		1/4		1/4		1/4	4,937.21	1/4	4,582.07	1/4	4,225.01	1/4	3,867.17	1/4	3,509.33	1/4	3,151.49
1/2		1/2		1/2		1/2		1/2	4,929.88	1/2	4,574.64	1/2	4,217.55	1/2	3,859.71	1/2	3,501.87	1/2	3,144.03
3/4		3/4		3/4		3/4		3/4	4,922.55	3/4	4,567.20	3/4	4,210.10	3/4	3,852.26	3/4	3,494.42	3/4	3,136.58
4		4		4		4		4	4,915.15	4	4,559.77	4	4,202.64	4	3,844.80	4	3,486.96	4	3,129.12
1/4		1/4		1/4		1/4		1/4	4,907.75	1/4	4,552.34	1/4	4,195.19	1/4	3,837.35	1/4	3,479.51	1/4	3,121.67
1/2		1/2		1/2		1/2		1/2	4,900.36	1/2	4,544.90	1/2	4,187.73	1/2	3,829.89	1/2	3,472.05	1/2	3,114.21
3/4		3/4		3/4		3/4		3/4	4,892.96	3/4	4,537.47	3/4	4,180.28	3/4	3,822.44	3/4	3,464.60	3/4	3,106.76
5		5		5		5		5	4,885.56	5	4,530.04	5	4,172.82	5	3,814.98	5	3,457.14	5	3,099.30
1/4		1/4		1/4		1/4		1/4	4,878.16	1/4	4,522.60	1/4	4,165.37	1/4	3,807.53	1/4	3,449.69	1/4	3,091.85
1/2		1/2		1/2		1/2		1/2	4,870.76	1/2	4,515.17	1/2	4,157.91	1/2	3,800.07	1/2	3,442.23	1/2	3,084.39
3/4		3/4		3/4		3/4		3/4	4,863.37	3/4	4,507.74	3/4	4,150.46	3/4	3,792.62	3/4	3,434.78	3/4	3,076.94
6		6		6		6		6	4,855.97	6	4,500.30	6	4,143.00	6	3,785.16	6	3,427.32	6	3,069.48
1/4		1/4		1/4		1/4		1/4	4,848.57	1/4	4,492.87	1/4	4,135.55	1/4	3,777.71	1/4	3,419.87	1/4	3,062.03
1/2		1/2		1/2		1/2		1/2	4,841.17	1/2	4,485.44	1/2	4,128.09	1/2	3,770.25	1/2	3,412.41	1/2	3,054.57
3/4		3/4		3/4		3/4		3/4	4,833.78	3/4	4,478.00	3/4	4,120.64	3/4	3,762.80	3/4	3,404.96	3/4	3,047.12
7		7		7		7		7	4,826.38	7	4,470.57	7	4,113.18	7	3,755.34	7	3,397.50	7	3,039.66
1/4		1/4		1/4		1/4		1/4	4,818.99	1/4	4,463.14	1/4	4,105.73	1/4	3,747.89	1/4	3,390.05	1/4	3,032.21
1/2		1/2		1/2		1/2		1/2	4,811.59	1/2	4,455.70	1/2	4,098.27	1/2	3,740.43	1/2	3,382.59	1/2	3,024.75
3/4		3/4		3/4		3/4		3/4	4,804.19	3/4	4,448.27	3/4	4,090.82	3/4	3,732.98	3/4	3,375.14	3/4	3,017.30
8		8		8		8		8	4,796.80	8	4,440.84	8	4,083.36	8	3,725.52	8	3,367.68	8	3,009.84
1/4		1/4		1/4		1/4		1/4	4,789.41	1/4	4,433.40	1/4	4,075.91	1/4	3,718.07	1/4	3,360.23	1/4	3,002.39
1/2		1/2		1/2		1/2		1/2	4,782.01	1/2	4,425.97	1/2	4,068.45	1/2	3,710.61	1/2	3,352.77	1/2	2,994.93
3/4		3/4		3/4		3/4		3/4	4,774.62	3/4	4,418.54	3/4	4,061.00	3/4	3,703.16	3/4	3,345.32	3/4	2,987.48
9		9		9		9		9	4,767.23	9	4,411.10	9	4,053.54	9	3,695.70	9	3,337.86	9	2,980.02
1/4		1/4		1/4		1/4		1/4	4,759.83	1/4	4,403.67	1/4	4,046.09	1/4	3,688.25	1/4	3,330.41	1/4	2,972.57
1/2		1/2		1/2		1/2		1/2	4,752.44	1/2	4,396.24	1/2	4,038.63	1/2	3,680.79	1/2	3,322.95	1/2	2,965.11
3/4		3/4		3/4		3/4		3/4	4,745.05	3/4	4,388.80	3/4	4,031.18	3/4	3,673.34	3/4	3,315.50	3/4	2,957.66
10		10		10		10		10	4,737.65	10	4,381.37	10	4,023.72	10	3,665.88	10	3,308.04	10	2,950.20
1/4		1/4		1/4		1/4		1/4	4,730.26	1/4	4,373.94	1/4	4,016.27	1/4	3,658.43	1/4	3,300.59	1/4	2,942.75
1/2		1/2		1/2		1/2		1/2	4,722.87	1/2	4,366.50	1/2	4,008.81	1/2	3,650.97	1/2	3,293.13	1/2	2,935.29
3/4		3/4		3/4		3/4		3/4	4,715.47	3/4	4,359.07	3/4	4,001.36	3/4	3,643.52	3/4	3,285.68	3/4	2,927.84
11		11		11		11		11	4,708.08	11	4,351.64	11	3,993.90	11	3,636.06	11	3,278.22	11	2,920.38
1/4		1/4		1/4		1/4		1/4	4,700.68	1/4	4,344.20	1/4	3,986.45	1/4	3,628.61	1/4	3,270.77	1/4	2,912.92
1/2		1/2		1/2		1/2		1/2	4,693.29	1/2	4,336.77	1/2	3,978.99	1/2	3,621.15	1/2	3,263.31	1/2	2,905.46
3/4		3/4		3/4		3/4		3/4	4,685.90	3/4	4,329.34	3/4	3,971.54	3/4	3,613.70	3/4	3,255.86	3/4	2,898.01

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE  
 GAUGE POINT: (HERMETIC) LOCATED 12'-07" OFF CENTERLINE AND 46'-00" FORWARD OF AFT BULKHEAD

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



# BARGE "HTCO 3096"

1 STBD  
ULLAGE TABLE  
HERMETIC  
GAUGE HEIGHT 17'-03"

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	2,532.51	0	2,174.48	0	1,816.45	0	1,458.42	0	1,100.39	0	742.85	0	390.37	0	77.33	0			
1/4	2,525.06	1/4	2,167.02	1/4	1,808.99	1/4	1,450.96	1/4	1,092.93	1/4	735.39	1/4	383.40	1/4	71.31	1/4			
1/2	2,517.60	1/2	2,159.56	1/2	1,801.53	1/2	1,443.50	1/2	1,085.47	1/2	727.93	1/2	376.43	1/2	65.28	1/2			
3/4	2,510.14	3/4	2,152.11	3/4	1,794.07	3/4	1,436.04	3/4	1,078.01	3/4	720.47	3/4	369.46	3/4	59.25	3/4			
1	2,502.68	1	2,144.65	1	1,786.61	1	1,428.58	1	1,070.55	1	713.01	1	362.57	1	53.77	1			
1/4	2,495.22	1/4	2,137.19	1/4	1,779.16	1/4	1,421.12	1/4	1,063.10	1/4	705.56	1/4	355.67	1/4	48.29	1/4			
1/2	2,487.76	1/2	2,129.73	1/2	1,771.70	1/2	1,413.66	1/2	1,055.64	1/2	698.10	1/2	348.78	1/2	42.81	1/2			
3/4	2,480.30	3/4	2,122.27	3/4	1,764.24	3/4	1,406.21	3/4	1,048.19	3/4	690.64	3/4	341.88	3/4	37.33	3/4			
2	2,472.84	2	2,114.81	2	1,756.78	2	1,398.75	2	1,040.73	2	683.18	2	335.06	2	33.33	2			
1/4	2,465.38	1/4	2,107.35	1/4	1,749.32	1/4	1,391.29	1/4	1,033.28	1/4	675.72	1/4	328.24	1/4	29.33	1/4			
1/2	2,457.92	1/2	2,099.89	1/2	1,741.86	1/2	1,383.83	1/2	1,025.83	1/2	668.26	1/2	321.42	1/2	25.34	1/2			
3/4	2,450.47	3/4	2,092.43	3/4	1,734.40	3/4	1,376.37	3/4	1,018.38	3/4	660.80	3/4	314.59	3/4	21.34	3/4			
3	2,443.01	3	2,084.97	3	1,726.94	3	1,368.91	3	1,010.93	3	653.34	3	307.85	3	18.42	3			
1/4	2,435.55	1/4	2,077.52	1/4	1,719.48	1/4	1,361.45	1/4	1,003.48	1/4	645.89	1/4	301.11	1/4		1/4			
1/2	2,428.09	1/2	2,070.06	1/2	1,712.02	1/2	1,353.99	1/2	996.03	1/2	638.43	1/2	294.37	1/2		1/2			
3/4	2,420.63	3/4	2,062.60	3/4	1,704.57	3/4	1,346.53	3/4	988.58	3/4	630.97	3/4	287.63	3/4		3/4			
4	2,413.17	4	2,055.14	4	1,697.11	4	1,339.07	4	981.14	4	623.51	4	280.97	4		4			
1/4	2,405.71	1/4	2,047.68	1/4	1,689.65	1/4	1,331.62	1/4	973.69	1/4	616.05	1/4	274.30	1/4		1/4			
1/2	2,398.25	1/2	2,040.22	1/2	1,682.19	1/2	1,324.16	1/2	966.25	1/2	608.59	1/2	267.64	1/2		1/2			
3/4	2,390.79	3/4	2,032.76	3/4	1,674.73	3/4	1,316.70	3/4	958.80	3/4	601.13	3/4	260.98	3/4		3/4			
5	2,383.33	5	2,025.30	5	1,667.27	5	1,309.24	5	951.36	5	593.67	5	254.40	5		5			
1/4	2,375.88	1/4	2,017.84	1/4	1,659.81	1/4	1,301.78	1/4	943.91	1/4	586.22	1/4	247.82	1/4		1/4			
1/2	2,368.42	1/2	2,010.38	1/2	1,652.35	1/2	1,294.32	1/2	936.47	1/2	578.76	1/2	241.24	1/2		1/2			
3/4	2,360.96	3/4	2,002.93	3/4	1,644.89	3/4	1,286.86	3/4	929.02	3/4	571.30	3/4	234.66	3/4		3/4			
6	2,353.50	6	1,995.47	6	1,637.43	6	1,279.40	6	921.58	6	563.86	6	228.16	6		6			
1/4	2,346.04	1/4	1,988.01	1/4	1,629.98	1/4	1,271.94	1/4	914.13	1/4	556.43	1/4	221.66	1/4		1/4			
1/2	2,338.58	1/2	1,980.55	1/2	1,622.52	1/2	1,264.48	1/2	906.69	1/2	549.00	1/2	215.17	1/2		1/2			
3/4	2,331.12	3/4	1,973.09	3/4	1,615.06	3/4	1,257.03	3/4	899.24	3/4	541.57	3/4	208.67	3/4		3/4			
7	2,323.66	7	1,965.63	7	1,607.60	7	1,249.57	7	891.80	7	534.20	7	202.25	7		7			
1/4	2,316.20	1/4	1,958.17	1/4	1,600.14	1/4	1,242.11	1/4	884.35	1/4	526.83	1/4	195.83	1/4		1/4			
1/2	2,308.74	1/2	1,950.71	1/2	1,592.68	1/2	1,234.65	1/2	876.90	1/2	519.46	1/2	189.42	1/2		1/2			
3/4	2,301.29	3/4	1,943.25	3/4	1,585.22	3/4	1,227.19	3/4	869.46	3/4	512.10	3/4	183.00	3/4		3/4			
8	2,293.83	8	1,935.79	8	1,577.76	8	1,219.73	8	862.01	8	504.81	8	176.66	8		8			
1/4	2,286.37	1/4	1,928.34	1/4	1,570.30	1/4	1,212.27	1/4	854.57	1/4	497.52	1/4	170.31	1/4		1/4			
1/2	2,278.91	1/2	1,920.88	1/2	1,562.84	1/2	1,204.81	1/2	847.12	1/2	490.23	1/2	163.97	1/2		1/2			
3/4	2,271.45	3/4	1,913.42	3/4	1,555.39	3/4	1,197.35	3/4	839.68	3/4	482.94	3/4	157.63	3/4		3/4			
9	2,263.99	9	1,905.96	9	1,547.93	9	1,189.89	9	832.23	9	475.72	9	151.36	9		9			
1/4	2,256.53	1/4	1,898.50	1/4	1,540.47	1/4	1,182.44	1/4	824.79	1/4	468.51	1/4	145.09	1/4		1/4			
1/2	2,249.07	1/2	1,891.04	1/2	1,533.01	1/2	1,174.98	1/2	817.34	1/2	461.29	1/2	138.82	1/2		1/2			
3/4	2,241.61	3/4	1,883.58	3/4	1,525.55	3/4	1,167.52	3/4	809.90	3/4	454.08	3/4	132.55	3/4		3/4			
10	2,234.15	10	1,876.12	10	1,518.09	10	1,160.06	10	802.45	10	446.95	10	126.36	10		10			
1/4	2,226.70	1/4	1,868.66	1/4	1,510.63	1/4	1,152.60	1/4	795.01	1/4	439.81	1/4	120.17	1/4		1/4			
1/2	2,219.24	1/2	1,861.20	1/2	1,503.17	1/2	1,145.14	1/2	787.56	1/2	432.68	1/2	113.99	1/2		1/2			
3/4	2,211.78	3/4	1,853.75	3/4	1,495.71	3/4	1,137.68	3/4	780.12	3/4	425.55	3/4	107.80	3/4		3/4			
11	2,204.32	11	1,846.29	11	1,488.25	11	1,130.22	11	772.67	11	418.50	11	101.69	11		11			
1/4	2,196.86	1/4	1,838.83	1/4	1,480.80	1/4	1,122.76	1/4	765.21	1/4	411.45	1/4	95.58	1/4		1/4			
1/2	2,189.40	1/2	1,831.37	1/2	1,473.34	1/2	1,115.30	1/2	757.76	1/2	404.39	1/2	89.47	1/2		1/2			
3/4	2,181.94	3/4	1,823.91	3/4	1,465.88	3/4	1,107.85	3/4	750.31	3/4	397.34	3/4	83.36	3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/09/2013 CL - SW  
RECALCULATED: 05/09/2018 CL  
REPRINTED: 05/10/2018 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2018

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





# BARGE "HTCO 3096"

## 2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,753.70	0	4,395.69	0	4,036.48	0	3,677.25	0	3,318.01	0	2,958.78
1/4		1/4		1/4		1/4		1/4	4,746.27	1/4	4,388.22	1/4	4,029.00	1/4	3,669.76	1/4	3,310.53	1/4	2,951.29
1/2		1/2		1/2		1/2	5,083.49	1/2	4,738.85	1/2	4,380.74	1/2	4,021.52	1/2	3,662.28	1/2	3,303.04	1/2	2,943.80
3/4		3/4		3/4		3/4	5,078.74	3/4	4,731.43	3/4	4,373.27	3/4	4,014.03	3/4	3,654.80	3/4	3,295.56	3/4	2,936.32
1		1		1		1	5,072.91	1	4,723.99	1	4,365.79	1	4,006.55	1	3,647.31	1	3,288.07	1	2,928.83
1/4		1/4		1/4		1/4	5,067.09	1/4	4,716.54	1/4	4,358.30	1/4	3,999.06	1/4	3,639.83	1/4	3,280.59	1/4	2,921.34
1/2		1/2		1/2		1/2	5,061.27	1/2	4,709.10	1/2	4,350.82	1/2	3,991.58	1/2	3,632.34	1/2	3,273.11	1/2	2,913.85
3/4		3/4		3/4		3/4	5,055.45	3/4	4,701.66	3/4	4,343.33	3/4	3,984.10	3/4	3,624.86	3/4	3,265.62	3/4	2,906.36
2		2		2		2	5,048.62	2	4,694.20	2	4,335.85	2	3,976.61	2	3,617.38	2	3,258.14	2	2,898.87
1/4		1/4		1/4		1/4	5,041.80	1/4	4,686.73	1/4	4,328.36	1/4	3,969.13	1/4	3,609.89	1/4	3,250.65	1/4	2,891.39
1/2		1/2		1/2		1/2	5,034.97	1/2	4,679.27	1/2	4,320.88	1/2	3,961.64	1/2	3,602.41	1/2	3,243.17	1/2	2,883.90
3/4		3/4		3/4		3/4	5,028.15	3/4	4,671.81	3/4	4,313.40	3/4	3,954.16	3/4	3,594.92	3/4	3,235.69	3/4	2,876.41
3		3		3		3	5,020.78	3	4,664.35	3	4,305.91	3	3,946.68	3	3,587.44	3	3,228.20	3	2,868.92
1/4		1/4		1/4		1/4	5,013.42	1/4	4,656.89	1/4	4,298.43	1/4	3,939.19	1/4	3,579.95	1/4	3,220.72	1/4	2,861.43
1/2		1/2		1/2		1/2	5,006.06	1/2	4,649.42	1/2	4,290.94	1/2	3,931.71	1/2	3,572.47	1/2	3,213.23	1/2	2,853.95
3/4		3/4		3/4		3/4	4,998.70	3/4	4,641.96	3/4	4,283.46	3/4	3,924.22	3/4	3,564.99	3/4	3,205.75	3/4	2,846.46
4		4		4		4	4,991.28	4	4,634.50	4	4,275.98	4	3,916.74	4	3,557.50	4	3,198.27	4	2,838.97
1/4		1/4		1/4		1/4	4,983.85	1/4	4,627.04	1/4	4,268.49	1/4	3,909.26	1/4	3,550.02	1/4	3,190.78	1/4	2,831.48
1/2		1/2		1/2		1/2	4,976.42	1/2	4,619.57	1/2	4,261.01	1/2	3,901.77	1/2	3,542.53	1/2	3,183.30	1/2	2,823.99
3/4		3/4		3/4		3/4	4,969.00	3/4	4,612.11	3/4	4,253.52	3/4	3,894.29	3/4	3,535.05	3/4	3,175.81	3/4	2,816.50
5		5		5		5	4,961.57	5	4,604.65	5	4,246.04	5	3,886.80	5	3,527.57	5	3,168.33	5	2,809.02
1/4		1/4		1/4		1/4	4,954.14	1/4	4,597.19	1/4	4,238.56	1/4	3,879.32	1/4	3,520.08	1/4	3,160.85	1/4	2,801.53
1/2		1/2		1/2		1/2	4,946.72	1/2	4,589.72	1/2	4,231.07	1/2	3,871.83	1/2	3,512.60	1/2	3,153.36	1/2	2,794.04
3/4		3/4		3/4		3/4	4,939.29	3/4	4,582.26	3/4	4,223.59	3/4	3,864.35	3/4	3,505.11	3/4	3,145.88	3/4	2,786.55
6		6		6		6	4,931.86	6	4,574.80	6	4,216.10	6	3,856.87	6	3,497.63	6	3,138.39	6	2,779.06
1/4		1/4		1/4		1/4	4,924.44	1/4	4,567.34	1/4	4,208.62	1/4	3,849.38	1/4	3,490.15	1/4	3,130.91	1/4	2,771.58
1/2		1/2		1/2		1/2	4,917.01	1/2	4,559.87	1/2	4,201.14	1/2	3,841.90	1/2	3,482.66	1/2	3,123.42	1/2	2,764.09
3/4		3/4		3/4		3/4	4,909.58	3/4	4,552.41	3/4	4,193.65	3/4	3,834.41	3/4	3,475.18	3/4	3,115.94	3/4	2,756.60
7		7		7		7	4,902.16	7	4,544.95	7	4,186.17	7	3,826.93	7	3,467.69	7	3,108.46	7	2,749.11
1/4		1/4		1/4		1/4	4,894.73	1/4	4,537.49	1/4	4,178.68	1/4	3,819.45	1/4	3,460.21	1/4	3,100.97	1/4	2,741.62
1/2		1/2		1/2		1/2	4,887.31	1/2	4,530.02	1/2	4,171.20	1/2	3,811.96	1/2	3,452.73	1/2	3,093.49	1/2	2,734.13
3/4		3/4		3/4		3/4	4,879.88	3/4	4,522.56	3/4	4,163.71	3/4	3,804.48	3/4	3,445.24	3/4	3,086.00	3/4	2,726.65
8		8		8		8	4,872.46	8	4,515.10	8	4,156.23	8	3,796.99	8	3,437.76	8	3,078.52	8	2,719.16
1/4		1/4		1/4		1/4	4,865.04	1/4	4,507.64	1/4	4,148.75	1/4	3,789.51	1/4	3,430.27	1/4	3,071.04	1/4	2,711.67
1/2		1/2		1/2		1/2	4,857.62	1/2	4,500.17	1/2	4,141.26	1/2	3,782.03	1/2	3,422.79	1/2	3,063.55	1/2	2,704.18
3/4		3/4		3/4		3/4	4,850.19	3/4	4,492.71	3/4	4,133.78	3/4	3,774.54	3/4	3,415.30	3/4	3,056.07	3/4	2,696.69
9		9		9		9	4,842.77	9	4,485.25	9	4,126.29	9	3,767.06	9	3,407.82	9	3,048.58	9	2,689.20
1/4		1/4		1/4		1/4	4,835.35	1/4	4,477.79	1/4	4,118.81	1/4	3,759.57	1/4	3,400.34	1/4	3,041.10	1/4	2,681.72
1/2		1/2		1/2		1/2	4,827.92	1/2	4,470.33	1/2	4,111.33	1/2	3,752.09	1/2	3,392.85	1/2	3,033.62	1/2	2,674.23
3/4		3/4		3/4		3/4	4,820.50	3/4	4,462.86	3/4	4,103.84	3/4	3,744.61	3/4	3,385.37	3/4	3,026.13	3/4	2,666.74
10		10		10		10	4,813.08	10	4,455.40	10	4,096.36	10	3,737.12	10	3,377.88	10	3,018.65	10	2,659.25
1/4		1/4		1/4		1/4	4,805.66	1/4	4,447.94	1/4	4,088.87	1/4	3,729.64	1/4	3,370.40	1/4	3,011.16	1/4	2,651.76
1/2		1/2		1/2		1/2	4,798.23	1/2	4,440.48	1/2	4,081.39	1/2	3,722.15	1/2	3,362.92	1/2	3,003.68	1/2	2,644.28
3/4		3/4		3/4		3/4	4,790.81	3/4	4,433.01	3/4	4,073.91	3/4	3,714.67	3/4	3,355.43	3/4	2,996.20	3/4	2,636.79
11		11		11		11	4,783.39	11	4,425.55	11	4,066.42	11	3,707.18	11	3,347.95	11	2,988.71	11	2,629.30
1/4		1/4		1/4		1/4	4,775.97	1/4	4,418.09	1/4	4,058.94	1/4	3,699.70	1/4	3,340.46	1/4	2,981.23	1/4	2,621.81
1/2		1/2		1/2		1/2	4,768.54	1/2	4,410.63	1/2	4,051.45	1/2	3,692.22	1/2	3,332.98	1/2	2,973.75	1/2	2,614.32
3/4		3/4		3/4		3/4	4,761.12	3/4	4,403.16	3/4	4,043.97	3/4	3,684.73	3/4	3,325.50	3/4	2,966.27	3/4	2,606.83

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE  
 GAUGE POINT: (HERMETIC) LOCATED 12'-07" OFF CENTERLINE AND 46'-00" FORWARD OF AFT BULKHEAD

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



# BARGE "HTCO 3096"

## 2 PORT ULLAGE TABLE HERMETIC GAUGE HEIGHT 17'-03"

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	2,599.35	0	2,239.91	0	1,880.48	0	1,521.05	0	1,162.46	0	816.56	0	457.13	0	97.71	0			0
1/4	2,591.86	1/4	2,232.42	1/4	1,872.99	1/4	1,513.56	1/4	1,155.26	1/4	809.07	1/4	449.64	1/4	90.22	1/4			1/4
1/2	2,584.37	1/2	2,224.94	1/2	1,865.50	1/2	1,506.07	1/2	1,148.05	1/2	801.58	1/2	442.16	1/2	82.73	1/2			1/2
3/4	2,576.88	3/4	2,217.45	3/4	1,858.01	3/4	1,498.58	3/4	1,140.84	3/4	794.09	3/4	434.67	3/4	75.24	3/4			3/4
1	2,569.39	1	2,209.96	1	1,850.53	1	1,491.09	1	1,133.65	1	786.60	1	427.18	1	68.22	1			1
1/4	2,561.91	1/4	2,202.47	1/4	1,843.04	1/4	1,483.60	1/4	1,126.45	1/4	779.12	1/4	419.69	1/4	61.20	1/4			1/4
1/2	2,554.42	1/2	2,194.98	1/2	1,835.55	1/2	1,476.12	1/2	1,119.25	1/2	771.63	1/2	412.20	1/2	54.18	1/2			1/2
3/4	2,546.93	3/4	2,187.50	3/4	1,828.06	3/4	1,468.63	3/4	1,112.05	3/4	764.14	3/4	404.72	3/4	47.16	3/4			3/4
2	2,539.44	2	2,180.01	2	1,820.57	2	1,461.14	2	1,104.86	2	756.65	2	397.23	2	41.55	2			2
1/4	2,531.95	1/4	2,172.52	1/4	1,813.09	1/4	1,453.65	1/4	1,097.67	1/4	749.16	1/4	389.74	1/4	35.93	1/4			1/4
1/2	2,524.46	1/2	2,165.03	1/2	1,805.60	1/2	1,446.16	1/2	1,090.48	1/2	741.68	1/2	382.25	1/2	30.32	1/2			1/2
3/4	2,516.98	3/4	2,157.54	3/4	1,798.11	3/4	1,438.68	3/4	1,083.28	3/4	734.19	3/4	374.76	3/4	24.70	3/4			3/4
3	2,509.49	3	2,150.05	3	1,790.62	3	1,431.19	3	1,076.10	3	726.70	3	367.28	3	20.96	3			3
1/4	2,502.00	1/4	2,142.57	1/4	1,783.13	1/4	1,423.70	1/4	1,068.91	1/4	719.21	1/4	359.79	1/4		1/4			1/4
1/2	2,494.51	1/2	2,135.08	1/2	1,775.64	1/2	1,416.21	1/2	1,061.72	1/2	711.72	1/2	352.30	1/2		1/2			1/2
3/4	2,487.02	3/4	2,127.59	3/4	1,768.16	3/4	1,408.72	3/4	1,054.53	3/4	704.24	3/4	344.81	3/4		3/4			3/4
4	2,479.54	4	2,120.10	4	1,760.67	4	1,401.23	4	1,047.35	4	696.75	4	337.32	4		4			4
1/4	2,472.05	1/4	2,112.61	1/4	1,753.18	1/4	1,393.75	1/4	1,040.16	1/4	689.26	1/4	329.84	1/4		1/4			1/4
1/2	2,464.56	1/2	2,105.13	1/2	1,745.69	1/2	1,386.26	1/2	1,032.98	1/2	681.77	1/2	322.35	1/2		1/2			1/2
3/4	2,457.07	3/4	2,097.64	3/4	1,738.20	3/4	1,378.77	3/4	1,025.80	3/4	674.28	3/4	314.86	3/4		3/4			3/4
5	2,449.58	5	2,090.15	5	1,730.72	5	1,371.28	5	1,018.61	5	666.80	5	307.37	5		5			5
1/4	2,442.09	1/4	2,082.66	1/4	1,723.23	1/4	1,363.79	1/4	1,011.43	1/4	659.31	1/4	299.88	1/4		1/4			1/4
1/2	2,434.61	1/2	2,075.17	1/2	1,715.74	1/2	1,356.31	1/2	1,004.24	1/2	651.82	1/2	292.40	1/2		1/2			1/2
3/4	2,427.12	3/4	2,067.68	3/4	1,708.25	3/4	1,348.82	3/4	997.06	3/4	644.33	3/4	284.91	3/4		3/4			3/4
6	2,419.63	6	2,060.20	6	1,700.76	6	1,341.33	6	989.88	6	636.84	6	277.42	6		6			6
1/4	2,412.14	1/4	2,052.71	1/4	1,693.27	1/4	1,333.84	1/4	982.69	1/4	629.36	1/4	269.93	1/4		1/4			1/4
1/2	2,404.65	1/2	2,045.22	1/2	1,685.79	1/2	1,326.35	1/2	975.51	1/2	621.87	1/2	262.44	1/2		1/2			1/2
3/4	2,397.17	3/4	2,037.73	3/4	1,678.30	3/4	1,318.86	3/4	968.32	3/4	614.38	3/4	254.96	3/4		3/4			3/4
7	2,389.68	7	2,030.24	7	1,670.81	7	1,311.38	7	961.14	7	606.89	7	247.47	7		7			7
1/4	2,382.19	1/4	2,022.76	1/4	1,663.32	1/4	1,303.89	1/4	953.96	1/4	599.40	1/4	239.98	1/4		1/4			1/4
1/2	2,374.70	1/2	2,015.27	1/2	1,655.83	1/2	1,296.40	1/2	946.77	1/2	591.92	1/2	232.49	1/2		1/2			1/2
3/4	2,367.21	3/4	2,007.78	3/4	1,648.35	3/4	1,288.91	3/4	939.59	3/4	584.43	3/4	225.00	3/4		3/4			3/4
8	2,359.72	8	2,000.29	8	1,640.86	8	1,281.42	8	932.40	8	576.94	8	217.52	8		8			8
1/4	2,352.24	1/4	1,992.80	1/4	1,633.37	1/4	1,273.94	1/4	925.22	1/4	569.45	1/4	210.03	1/4		1/4			1/4
1/2	2,344.75	1/2	1,985.31	1/2	1,625.88	1/2	1,266.45	1/2	918.04	1/2	561.96	1/2	202.54	1/2		1/2			1/2
3/4	2,337.26	3/4	1,977.83	3/4	1,618.39	3/4	1,258.96	3/4	910.85	3/4	554.48	3/4	195.05	3/4		3/4			3/4
9	2,329.77	9	1,970.34	9	1,610.90	9	1,251.47	9	903.67	9	546.99	9	187.56	9		9			9
1/4	2,322.28	1/4	1,962.85	1/4	1,603.42	1/4	1,243.98	1/4	896.48	1/4	539.50	1/4	180.08	1/4		1/4			1/4
1/2	2,314.79	1/2	1,955.36	1/2	1,595.93	1/2	1,236.49	1/2	889.30	1/2	532.01	1/2	172.59	1/2		1/2			1/2
3/4	2,307.31	3/4	1,947.87	3/4	1,588.44	3/4	1,229.01	3/4	882.11	3/4	524.52	3/4	165.10	3/4		3/4			3/4
10	2,299.82	10	1,940.38	10	1,580.95	10	1,221.52	10	874.93	10	517.04	10	157.61	10		10			10
1/4	2,292.33	1/4	1,932.90	1/4	1,573.46	1/4	1,214.03	1/4	867.75	1/4	509.55	1/4	150.12	1/4		1/4			1/4
1/2	2,284.84	1/2	1,925.41	1/2	1,565.97	1/2	1,206.54	1/2	860.56	1/2	502.06	1/2	142.64	1/2		1/2			1/2
3/4	2,277.35	3/4	1,917.92	3/4	1,558.49	3/4	1,199.05	3/4	853.38	3/4	494.57	3/4	135.15	3/4		3/4			3/4
11	2,269.87	11	1,910.43	11	1,551.00	11	1,191.71	11	846.04	11	487.08	11	127.66	11		11			11
1/4	2,262.38	1/4	1,902.94	1/4	1,543.51	1/4	1,184.36	1/4	838.71	1/4	479.60	1/4	120.17	1/4		1/4			1/4
1/2	2,254.89	1/2	1,895.46	1/2	1,536.02	1/2	1,177.01	1/2	831.38	1/2	472.11	1/2	112.68	1/2		1/2			1/2
3/4	2,247.40	3/4	1,887.97	3/4	1,528.53	3/4	1,169.67	3/4	824.04	3/4	464.62	3/4	105.20	3/4		3/4			3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/09/2013 CL - SW  
RECALCULATED: 05/09/2018 CL  
REPRINTED: 05/10/2018 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2018

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



# BARGE "HTCO 3096"

## 2 STBD

### ULLAGE TABLE

### HERMETIC

### GAUGE HEIGHT 17'-02 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	0	0	4,760.18	0	4,402.12	0	4,042.90	0	3,683.67	0	3,324.43	0	2,965.17
1/4		1/4		1/4		1/4	5,097.38	1/4	4,752.75	1/4	4,394.65	1/4	4,035.42	1/4	3,676.18	1/4	3,316.95	1/4	2,957.68
1/2		1/2		1/2		1/2	5,092.63	1/2	4,745.33	1/2	4,387.17	1/2	4,027.94	1/2	3,668.70	1/2	3,309.46	1/2	2,950.20
3/4		3/4		3/4		3/4	5,086.80	3/4	4,737.89	3/4	4,379.69	3/4	4,020.45	3/4	3,661.22	3/4	3,301.98	3/4	2,942.71
1	1	1	1	1	1	1	5,080.98	1	4,730.45	1	4,372.21	1	4,012.97	1	3,653.73	1	3,294.49	1	2,935.22
1/4		1/4		1/4		1/4	5,075.16	1/4	4,723.00	1/4	4,364.72	1/4	4,005.48	1/4	3,646.25	1/4	3,287.01	1/4	2,927.73
1/2		1/2		1/2		1/2	5,069.34	1/2	4,715.56	1/2	4,357.24	1/2	3,998.00	1/2	3,638.76	1/2	3,279.53	1/2	2,920.24
3/4		3/4		3/4		3/4	5,062.51	3/4	4,708.10	3/4	4,349.75	3/4	3,990.52	3/4	3,631.28	3/4	3,272.04	3/4	2,912.76
2	2	2	2	2	2	2	5,055.69	2	4,700.64	2	4,342.27	2	3,983.03	2	3,623.80	2	3,264.56	2	2,905.27
1/4		1/4		1/4		1/4	5,048.86	1/4	4,693.17	1/4	4,334.78	1/4	3,975.55	1/4	3,616.31	1/4	3,257.07	1/4	2,897.78
1/2		1/2		1/2		1/2	5,042.04	1/2	4,685.71	1/2	4,327.30	1/2	3,968.06	1/2	3,608.83	1/2	3,249.59	1/2	2,890.29
3/4		3/4		3/4		3/4	5,034.68	3/4	4,678.25	3/4	4,319.82	3/4	3,960.58	3/4	3,601.34	3/4	3,242.11	3/4	2,882.80
3	3	3	3	3	3	3	5,027.32	3	4,670.79	3	4,312.33	3	3,953.10	3	3,593.86	3	3,234.62	3	2,875.31
1/4		1/4		1/4		1/4	5,019.96	1/4	4,663.32	1/4	4,304.85	1/4	3,945.61	1/4	3,586.37	1/4	3,227.14	1/4	2,867.83
1/2		1/2		1/2		1/2	5,012.60	1/2	4,655.86	1/2	4,297.36	1/2	3,938.13	1/2	3,578.89	1/2	3,219.65	1/2	2,860.34
3/4		3/4		3/4		3/4	5,005.17	3/4	4,648.40	3/4	4,289.88	3/4	3,930.64	3/4	3,571.41	3/4	3,212.17	3/4	2,852.85
4	4	4	4	4	4	4	4,997.75	4	4,640.94	4	4,282.40	4	3,923.16	4	3,563.92	4	3,204.69	4	2,845.36
1/4		1/4		1/4		1/4	4,990.32	1/4	4,633.48	1/4	4,274.91	1/4	3,915.68	1/4	3,556.44	1/4	3,197.20	1/4	2,837.87
1/2		1/2		1/2		1/2	4,982.89	1/2	4,626.01	1/2	4,267.43	1/2	3,908.19	1/2	3,548.95	1/2	3,189.72	1/2	2,830.39
3/4		3/4		3/4		3/4	4,975.47	3/4	4,618.55	3/4	4,259.94	3/4	3,900.71	3/4	3,541.47	3/4	3,182.23	3/4	2,822.90
5	5	5	5	5	5	5	4,968.04	5	4,611.09	5	4,252.46	5	3,893.22	5	3,533.99	5	3,174.75	5	2,815.41
1/4		1/4		1/4		1/4	4,960.61	1/4	4,603.63	1/4	4,244.98	1/4	3,885.74	1/4	3,526.50	1/4	3,167.27	1/4	2,807.92
1/2		1/2		1/2		1/2	4,953.19	1/2	4,596.16	1/2	4,237.49	1/2	3,878.25	1/2	3,519.02	1/2	3,159.78	1/2	2,800.43
3/4		3/4		3/4		3/4	4,945.76	3/4	4,588.70	3/4	4,230.01	3/4	3,870.77	3/4	3,511.53	3/4	3,152.30	3/4	2,792.95
6	6	6	6	6	6	6	4,938.33	6	4,581.24	6	4,222.52	6	3,863.29	6	3,504.05	6	3,144.81	6	2,785.46
1/4		1/4		1/4		1/4	4,930.91	1/4	4,573.78	1/4	4,215.04	1/4	3,855.80	1/4	3,496.57	1/4	3,137.33	1/4	2,777.97
1/2		1/2		1/2		1/2	4,923.48	1/2	4,566.31	1/2	4,207.56	1/2	3,848.32	1/2	3,489.08	1/2	3,129.84	1/2	2,770.48
3/4		3/4		3/4		3/4	4,916.06	3/4	4,558.85	3/4	4,200.07	3/4	3,840.83	3/4	3,481.60	3/4	3,122.36	3/4	2,762.99
7	7	7	7	7	7	7	4,908.63	7	4,551.39	7	4,192.59	7	3,833.35	7	3,474.11	7	3,114.88	7	2,755.51
1/4		1/4		1/4		1/4	4,901.21	1/4	4,543.93	1/4	4,185.10	1/4	3,825.87	1/4	3,466.63	1/4	3,107.39	1/4	2,748.02
1/2		1/2		1/2		1/2	4,893.78	1/2	4,536.46	1/2	4,177.62	1/2	3,818.38	1/2	3,459.14	1/2	3,099.91	1/2	2,740.53
3/4		3/4		3/4		3/4	4,886.36	3/4	4,529.00	3/4	4,170.13	3/4	3,810.90	3/4	3,451.66	3/4	3,092.42	3/4	2,733.04
8	8	8	8	8	8	8	4,878.94	8	4,521.54	8	4,162.65	8	3,803.41	8	3,444.18	8	3,084.94	8	2,725.55
1/4		1/4		1/4		1/4	4,871.51	1/4	4,514.08	1/4	4,155.17	1/4	3,795.93	1/4	3,436.69	1/4	3,077.46	1/4	2,718.06
1/2		1/2		1/2		1/2	4,864.09	1/2	4,506.61	1/2	4,147.68	1/2	3,788.45	1/2	3,429.21	1/2	3,069.97	1/2	2,710.58
3/4		3/4		3/4		3/4	4,856.67	3/4	4,499.15	3/4	4,140.20	3/4	3,780.96	3/4	3,421.72	3/4	3,062.49	3/4	2,703.09
9	9	9	9	9	9	9	4,849.25	9	4,491.69	9	4,132.71	9	3,773.48	9	3,414.24	9	3,055.00	9	2,695.60
1/4		1/4		1/4		1/4	4,841.82	1/4	4,484.23	1/4	4,125.23	1/4	3,765.99	1/4	3,406.76	1/4	3,047.52	1/4	2,688.11
1/2		1/2		1/2		1/2	4,834.40	1/2	4,476.76	1/2	4,117.75	1/2	3,758.51	1/2	3,399.27	1/2	3,040.04	1/2	2,680.62
3/4		3/4		3/4		3/4	4,826.98	3/4	4,469.30	3/4	4,110.26	3/4	3,751.02	3/4	3,391.79	3/4	3,032.55	3/4	2,673.14
10	10	10	10	10	10	10	4,819.56	10	4,461.84	10	4,102.78	10	3,743.54	10	3,384.30	10	3,025.07	10	2,665.65
1/4		1/4		1/4		1/4	4,812.13	1/4	4,454.38	1/4	4,095.29	1/4	3,736.06	1/4	3,376.82	1/4	3,017.58	1/4	2,658.16
1/2		1/2		1/2		1/2	4,804.71	1/2	4,446.91	1/2	4,087.81	1/2	3,728.57	1/2	3,369.34	1/2	3,010.10	1/2	2,650.67
3/4		3/4		3/4		3/4	4,797.29	3/4	4,439.45	3/4	4,080.33	3/4	3,721.09	3/4	3,361.85	3/4	3,002.61	3/4	2,643.18
11	11	11	11	11	11	11	4,789.87	11	4,431.99	11	4,072.84	11	3,713.60	11	3,354.37	11	2,995.12	11	2,635.70
1/4		1/4		1/4		1/4	4,782.44	1/4	4,424.53	1/4	4,065.36	1/4	3,706.12	1/4	3,346.88	1/4	2,987.64	1/4	2,628.21
1/2		1/2		1/2		1/2	4,775.02	1/2	4,417.07	1/2	4,057.87	1/2	3,698.64	1/2	3,339.40	1/2	2,980.15	1/2	2,620.72
3/4		3/4		3/4		3/4	4,767.60	3/4	4,409.59	3/4	4,050.39	3/4	3,691.15	3/4	3,331.92	3/4	2,972.66	3/4	2,613.23

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE  
 GAUGE POINT: (HERMETIC) LOCATED 12'-07" OFF CENTERLINE AND 46'-00" FORWARD OF AFT BULKHEAD

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





# BARGE "HTCO 3096"

## 2 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-02 3/4"

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/09/2013 CL - SW  
RECALCULATED: 05/09/2018 CL  
REPRINTED: 05/10/2018 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2018

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



# BARGE "HTCO 3096"

## 3 PORT ULLAGE TABLE HERMETIC GAUGE HEIGHT 17'-03"

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	4,370.61	0	4,123.98	0	3,876.55	0	3,629.09	0	3,297.89	0	2,941.12		
1/4		1/4		1/4		1/4	4,365.49	1/4	4,118.83	1/4	3,871.39	1/4	3,623.94	1/4	3,290.48	1/4	2,933.68		
1/2		1/2		1/2		1/2	4,594.17	1/2	4,360.38	1/2	4,113.68	1/2	3,866.24	1/2	3,618.78	1/2	3,283.06	1/2	2,926.25
3/4		3/4		3/4		3/4	4,591.72	3/4	4,355.27	3/4	4,108.54	3/4	3,861.08	3/4	3,613.63	3/4	3,275.65	3/4	2,918.81
1		1		1		1	4,588.20	1	4,350.14	1	4,103.38	1	3,855.93	1	3,608.47	1	3,268.23	1	2,911.37
1/4		1/4		1/4		1/4	4,584.68	1/4	4,345.01	1/4	4,098.22	1/4	3,850.77	1/4	3,603.32	1/4	3,260.80	1/4	2,903.93
1/2		1/2		1/2		1/2	4,581.17	1/2	4,339.88	1/2	4,093.07	1/2	3,845.62	1/2	3,598.16	1/2	3,253.38	1/2	2,896.50
3/4		3/4		3/4		3/4	4,577.65	3/4	4,334.75	3/4	4,087.91	3/4	3,840.46	3/4	3,593.01	3/4	3,245.95	3/4	2,889.06
2		2		2		2	4,573.13	2	4,329.61	2	4,082.76	2	3,835.30	2	3,587.28	2	3,238.52	2	2,881.62
1/4		1/4		1/4		1/4	4,568.62	1/4	4,324.47	1/4	4,077.60	1/4	3,830.15	1/4	3,581.54	1/4	3,231.08	1/4	2,874.19
1/2		1/2		1/2		1/2	4,564.10	1/2	4,319.33	1/2	4,072.45	1/2	3,824.99	1/2	3,575.81	1/2	3,223.65	1/2	2,866.75
3/4		3/4		3/4		3/4	4,559.58	3/4	4,314.19	3/4	4,067.29	3/4	3,819.84	3/4	3,570.08	3/4	3,216.21	3/4	2,859.31
3		3		3		3	4,554.53	3	4,309.05	3	4,062.14	3	3,814.68	3	3,563.22	3	3,208.78	3	2,851.87
1/4		1/4		1/4		1/4	4,549.48	1/4	4,303.91	1/4	4,056.98	1/4	3,809.53	1/4	3,556.35	1/4	3,201.34	1/4	2,844.44
1/2		1/2		1/2		1/2	4,544.43	1/2	4,298.77	1/2	4,051.83	1/2	3,804.37	1/2	3,549.49	1/2	3,193.91	1/2	2,837.00
3/4		3/4		3/4		3/4	4,539.38	3/4	4,293.63	3/4	4,046.67	3/4	3,799.22	3/4	3,542.62	3/4	3,186.47	3/4	2,829.56
4		4		4		4	4,534.27	4	4,288.49	4	4,041.52	4	3,794.06	4	3,535.20	4	3,179.04	4	2,822.12
1/4		1/4		1/4		1/4	4,529.15	1/4	4,283.35	1/4	4,036.36	1/4	3,788.91	1/4	3,527.77	1/4	3,171.61	1/4	2,814.69
1/2		1/2		1/2		1/2	4,524.04	1/2	4,278.21	1/2	4,031.21	1/2	3,783.75	1/2	3,520.35	1/2	3,164.17	1/2	2,807.25
3/4		3/4		3/4		3/4	4,518.92	3/4	4,273.07	3/4	4,026.05	3/4	3,778.60	3/4	3,512.92	3/4	3,156.74	3/4	2,799.81
5		5		5		5	4,513.80	5	4,267.92	5	4,020.90	5	3,773.44	5	3,505.50	5	3,149.30	5	2,792.37
1/4		1/4		1/4		1/4	4,508.69	1/4	4,262.78	1/4	4,015.74	1/4	3,768.29	1/4	3,498.08	1/4	3,141.87	1/4	2,784.94
1/2		1/2		1/2		1/2	4,503.57	1/2	4,257.64	1/2	4,010.58	1/2	3,763.13	1/2	3,490.66	1/2	3,134.43	1/2	2,777.50
3/4		3/4		3/4		3/4	4,498.46	3/4	4,252.50	3/4	4,005.43	3/4	3,757.98	3/4	3,483.24	3/4	3,127.00	3/4	2,770.06
6		6		6		6	4,493.34	6	4,247.36	6	4,000.27	6	3,752.82	6	3,475.83	6	3,119.56	6	2,762.62
1/4		1/4		1/4		1/4	4,488.22	1/4	4,242.22	1/4	3,995.12	1/4	3,747.66	1/4	3,468.41	1/4	3,112.13	1/4	2,755.19
1/2		1/2		1/2		1/2	4,483.11	1/2	4,237.08	1/2	3,989.96	1/2	3,742.51	1/2	3,461.00	1/2	3,104.69	1/2	2,747.75
3/4		3/4		3/4		3/4	4,477.99	3/4	4,231.94	3/4	3,984.81	3/4	3,737.35	3/4	3,453.59	3/4	3,097.26	3/4	2,740.31
7		7		7		7	4,472.88	7	4,226.80	7	3,979.65	7	3,732.20	7	3,446.17	7	3,089.82	7	2,732.87
1/4		1/4		1/4		1/4	4,467.76	1/4	4,221.66	1/4	3,974.50	1/4	3,727.04	1/4	3,438.76	1/4	3,082.39	1/4	2,725.44
1/2		1/2		1/2		1/2	4,462.65	1/2	4,216.52	1/2	3,969.34	1/2	3,721.89	1/2	3,431.34	1/2	3,074.95	1/2	2,718.00
3/4		3/4		3/4		3/4	4,457.53	3/4	4,211.38	3/4	3,964.19	3/4	3,716.73	3/4	3,423.93	3/4	3,067.52	3/4	2,710.56
8		8		8		8	4,452.42	8	4,206.24	8	3,959.03	8	3,711.58	8	3,416.52	8	3,060.08	8	2,703.12
1/4		1/4		1/4		1/4	4,447.31	1/4	4,201.10	1/4	3,953.88	1/4	3,706.42	1/4	3,409.10	1/4	3,052.65	1/4	2,695.69
1/2		1/2		1/2		1/2	4,442.19	1/2	4,195.95	1/2	3,948.72	1/2	3,701.27	1/2	3,401.69	1/2	3,045.22	1/2	2,688.25
3/4		3/4		3/4		3/4	4,437.08	3/4	4,190.81	3/4	3,943.57	3/4	3,696.11	3/4	3,394.27	3/4	3,037.78	3/4	2,680.81
9		9		9		9	4,431.97	9	4,185.67	9	3,938.41	9	3,690.96	9	3,386.86	9	3,030.35	9	2,673.38
1/4		1/4		1/4		1/4	4,426.85	1/4	4,180.53	1/4	3,933.26	1/4	3,685.80	1/4	3,379.45	1/4	3,022.91	1/4	2,665.94
1/2		1/2		1/2		1/2	4,421.74	1/2	4,175.39	1/2	3,928.10	1/2	3,680.65	1/2	3,372.03	1/2	3,015.48	1/2	2,658.50
3/4		3/4		3/4		3/4	4,416.63	3/4	4,170.25	3/4	3,922.94	3/4	3,675.49	3/4	3,364.62	3/4	3,008.04	3/4	2,651.06
10		10		10		10	4,411.51	10	4,165.11	10	3,917.79	10	3,670.34	10	3,357.20	10	3,000.61	10	2,643.63
1/4		1/4		1/4		1/4	4,406.40	1/4	4,159.97	1/4	3,912.63	1/4	3,665.18	1/4	3,349.79	1/4	2,993.17	1/4	2,636.19
1/2		1/2		1/2		1/2	4,401.29	1/2	4,154.83	1/2	3,907.48	1/2	3,660.02	1/2	3,342.38	1/2	2,985.74	1/2	2,628.75
3/4		3/4		3/4		3/4	4,396.17	3/4	4,149.69	3/4	3,902.32	3/4	3,654.87	3/4	3,334.96	3/4	2,978.30	3/4	2,621.31
11		11		11		11	4,391.06	11	4,144.55	11	3,897.17	11	3,649.71	11	3,327.55	11	2,970.87	11	2,613.87
1/4		1/4		1/4		1/4	4,385.95	1/4	4,139.41	1/4	3,892.01	1/4	3,644.56	1/4	3,320.13	1/4	2,963.43	1/4	2,606.43
1/2		1/2		1/2		1/2	4,380.83	1/2	4,134.27	1/2	3,886.86	1/2	3,639.40	1/2	3,312.72	1/2	2,956.00	1/2	2,598.99
3/4		3/4		3/4		3/4	4,375.72	3/4	4,129.13	3/4	3,881.70	3/4	3,634.25	3/4	3,305.31	3/4	2,948.56	3/4	2,591.55

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE  
GAUGE POINT: (HERMETIC) LOCATED 12'-07" OFF CENTERLINE AND 46'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "HTCO 3096"

## 3 PORT ULLAGE TABLE HERMETIC GAUGE HEIGHT 17'-03"

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	2,584.10	0	2,228.18	0	1,873.66	0	1,516.32	0	1,159.60	0	812.44	0	454.89	0	97.35	0			
1/4	2,576.66	1/4	2,220.80	1/4	1,866.22	1/4	1,508.87	1/4	1,152.37	1/4	804.99	1/4	447.44	1/4	89.89	1/4			
1/2	2,569.21	1/2	2,213.42	1/2	1,858.77	1/2	1,501.43	1/2	1,145.13	1/2	797.54	1/2	440.00	1/2	82.43	1/2			
3/4	2,561.77	3/4	2,206.04	3/4	1,851.33	3/4	1,493.98	3/4	1,137.90	3/4	790.09	3/4	432.55	3/4	74.97	3/4			
1	2,554.33	1	2,198.65	1	1,843.88	1	1,486.54	1	1,130.67	1	782.64	1	425.10	1	67.98	1			
1/4	2,546.88	1/4	2,191.27	1/4	1,836.44	1/4	1,479.09	1/4	1,123.44	1/4	775.19	1/4	417.65	1/4	60.98	1/4			
1/2	2,539.44	1/2	2,183.89	1/2	1,828.99	1/2	1,471.65	1/2	1,116.21	1/2	767.74	1/2	410.21	1/2	53.99	1/2			
3/4	2,531.99	3/4	2,176.51	3/4	1,821.55	3/4	1,464.20	3/4	1,108.99	3/4	760.29	3/4	402.76	3/4	47.00	3/4			
2	2,524.55	2	2,169.13	2	1,814.10	2	1,456.76	2	1,101.76	2	752.84	2	395.31	2	41.40	2			
1/4	2,517.10	1/4	2,161.75	1/4	1,806.66	1/4	1,449.31	1/4	1,094.54	1/4	745.39	1/4	387.86	1/4	35.80	1/4			
1/2	2,509.66	1/2	2,154.36	1/2	1,799.21	1/2	1,441.87	1/2	1,087.32	1/2	737.95	1/2	380.42	1/2	30.21	1/2			
3/4	2,502.21	3/4	2,146.98	3/4	1,791.77	3/4	1,434.42	3/4	1,080.10	3/4	730.50	3/4	372.97	3/4	24.61	3/4			
3	2,494.79	3	2,139.60	3	1,784.32	3	1,426.98	3	1,072.88	3	723.05	3	365.52	3	20.88	3			
1/4	2,487.36	1/4	2,132.22	1/4	1,776.88	1/4	1,419.53	1/4	1,065.66	1/4	715.60	1/4	358.07	1/4		1/4			
1/2	2,479.94	1/2	2,124.84	1/2	1,769.44	1/2	1,412.09	1/2	1,058.44	1/2	708.15	1/2	350.62	1/2		1/2			
3/4	2,472.51	3/4	2,117.45	3/4	1,761.99	3/4	1,404.64	3/4	1,051.22	3/4	700.70	3/4	343.18	3/4		3/4			
4	2,465.11	4	2,110.07	4	1,754.55	4	1,397.20	4	1,044.01	4	693.25	4	335.73	4		4			
1/4	2,457.70	1/4	2,102.69	1/4	1,747.10	1/4	1,389.76	1/4	1,036.79	1/4	685.80	1/4	328.28	1/4		1/4			
1/2	2,450.29	1/2	2,095.31	1/2	1,739.66	1/2	1,382.31	1/2	1,029.58	1/2	678.35	1/2	320.83	1/2		1/2			
3/4	2,442.89	3/4	2,087.93	3/4	1,732.21	3/4	1,374.87	3/4	1,022.37	3/4	670.91	3/4	313.39	3/4		3/4			
5	2,435.48	5	2,080.55	5	1,724.77	5	1,367.42	5	1,015.15	5	663.46	5	305.94	5		5			
1/4	2,428.07	1/4	2,073.16	1/4	1,717.32	1/4	1,359.98	1/4	1,007.94	1/4	656.01	1/4	298.49	1/4		1/4			
1/2	2,420.67	1/2	2,065.78	1/2	1,709.88	1/2	1,352.53	1/2	1,000.72	1/2	648.56	1/2	291.04	1/2		1/2			
3/4	2,413.26	3/4	2,058.40	3/4	1,702.43	3/4	1,345.09	3/4	993.51	3/4	641.11	3/4	283.60	3/4		3/4			
6	2,405.86	6	2,051.02	6	1,694.99	6	1,337.64	6	986.29	6	633.66	6	276.15	6		6			
1/4	2,398.45	1/4	2,043.64	1/4	1,687.54	1/4	1,330.20	1/4	979.08	1/4	626.21	1/4	268.70	1/4		1/4			
1/2	2,391.04	1/2	2,036.25	1/2	1,680.10	1/2	1,322.75	1/2	971.86	1/2	618.76	1/2	261.25	1/2		1/2			
3/4	2,383.64	3/4	2,028.87	3/4	1,672.65	3/4	1,315.31	3/4	964.65	3/4	611.31	3/4	253.81	3/4		3/4			
7	2,376.23	7	2,021.49	7	1,665.21	7	1,307.86	7	957.43	7	603.87	7	246.36	7		7			
1/4	2,368.82	1/4	2,014.11	1/4	1,657.76	1/4	1,300.42	1/4	950.22	1/4	596.42	1/4	238.91	1/4		1/4			
1/2	2,361.42	1/2	2,006.73	1/2	1,650.32	1/2	1,292.97	1/2	943.00	1/2	588.97	1/2	231.46	1/2		1/2			
3/4	2,354.01	3/4	1,999.35	3/4	1,642.88	3/4	1,285.53	3/4	935.79	3/4	581.52	3/4	224.01	3/4		3/4			
8	2,346.61	8	1,991.96	8	1,635.43	8	1,278.08	8	928.57	8	574.07	8	216.56	8		8			
1/4	2,339.20	1/4	1,984.58	1/4	1,627.99	1/4	1,270.64	1/4	921.36	1/4	566.62	1/4	209.12	1/4		1/4			
1/2	2,331.79	1/2	1,977.20	1/2	1,620.54	1/2	1,263.20	1/2	914.14	1/2	559.17	1/2	201.67	1/2		1/2			
3/4	2,324.39	3/4	1,969.82	3/4	1,613.10	3/4	1,255.75	3/4	906.93	3/4	551.72	3/4	194.22	3/4		3/4			
9	2,316.98	9	1,962.44	9	1,605.65	9	1,248.31	9	899.72	9	544.27	9	186.77	9		9			
1/4	2,309.58	1/4	1,955.05	1/4	1,598.21	1/4	1,240.86	1/4	892.50	1/4	536.83	1/4	179.32	1/4		1/4			
1/2	2,302.17	1/2	1,947.67	1/2	1,590.76	1/2	1,233.42	1/2	885.29	1/2	529.38	1/2	171.87	1/2		1/2			
3/4	2,294.76	3/4	1,940.29	3/4	1,583.32	3/4	1,225.97	3/4	878.07	3/4	521.93	3/4	164.42	3/4		3/4			
10	2,287.36	10	1,932.91	10	1,575.87	10	1,218.53	10	870.86	10	514.48	10	156.97	10		10			
1/4	2,279.95	1/4	1,925.53	1/4	1,568.43	1/4	1,211.08	1/4	863.64	1/4	507.03	1/4	149.52	1/4		1/4			
1/2	2,272.54	1/2	1,918.15	1/2	1,560.98	1/2	1,203.64	1/2	856.43	1/2	499.58	1/2	142.07	1/2		1/2			
3/4	2,265.14	3/4	1,910.76	3/4	1,553.54	3/4	1,196.19	3/4	849.21	3/4	492.13	3/4	134.62	3/4		3/4			
11	2,257.74	11	1,903.35	11	1,546.09	11	1,188.85	11	841.88	11	484.68	11	127.17	11		11			
1/4	2,250.35	1/4	1,895.93	1/4	1,538.65	1/4	1,181.51	1/4	834.55	1/4	477.24	1/4	119.71	1/4		1/4			
1/2	2,242.96	1/2	1,888.52	1/2	1,531.20	1/2	1,174.17	1/2	827.22	1/2	469.79	1/2	112.26	1/2		1/2			
3/4	2,235.56	3/4	1,881.11	3/4	1,523.76	3/4	1,166.84	3/4	819.88	3/4	462.34	3/4	104.81	3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/09/2013 CL - SW  
RECALCULATED: 05/09/2018 CL  
REPRINTED: 05/10/2018 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2018

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



# BARGE "HTCO 3096"

## 3 STBD

### ULLAGE TABLE

### HERMETIC

#### GAUGE HEIGHT 17'-02 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	0	0	4,387.30	0	4,140.57	0	3,893.06	0	3,645.55	0	3,311.58	0	2,954.01
1/4		1/4		1/4		1/4	4,616.05	1/4	4,382.19	1/4	4,135.42	1/4	3,887.91	1/4	3,640.39	1/4	3,304.15	1/4	2,946.55
1/2		1/2		1/2		1/2	4,613.60	1/2	4,377.08	1/2	4,130.27	1/2	3,882.75	1/2	3,635.23	1/2	3,296.72	1/2	2,939.10
3/4		3/4		3/4		3/4	4,610.08	3/4	4,371.95	3/4	4,125.11	3/4	3,877.59	3/4	3,630.08	3/4	3,289.28	3/4	2,931.64
1	1	1	1	1	1	1	4,606.56	1	4,366.82	1	4,119.95	1	3,872.44	1	3,624.92	1	3,281.84	1	2,924.19
1/4		1/4		1/4		1/4	4,603.04	1/4	4,361.69	1/4	4,114.80	1/4	3,867.28	1/4	3,619.76	1/4	3,274.40	1/4	2,916.74
1/2		1/2		1/2		1/2	4,599.52	1/2	4,356.56	1/2	4,109.64	1/2	3,862.12	1/2	3,614.61	1/2	3,266.96	1/2	2,909.28
3/4		3/4		3/4		3/4	4,595.01	3/4	4,351.42	3/4	4,104.49	3/4	3,856.97	3/4	3,608.88	3/4	3,259.51	3/4	2,901.83
2	2	2	2	2	2	2	4,590.49	2	4,346.28	2	4,099.33	2	3,851.81	2	3,603.15	2	3,252.06	2	2,894.38
1/4		1/4		1/4		1/4	4,585.97	1/4	4,341.14	1/4	4,094.17	1/4	3,846.66	1/4	3,597.41	1/4	3,244.60	1/4	2,886.92
1/2		1/2		1/2		1/2	4,581.45	1/2	4,335.99	1/2	4,089.02	1/2	3,841.50	1/2	3,591.68	1/2	3,237.15	1/2	2,879.47
3/4		3/4		3/4		3/4	4,576.40	3/4	4,330.85	3/4	4,083.86	3/4	3,836.34	3/4	3,584.81	3/4	3,229.70	3/4	2,872.01
3	3	3	3	3	3	3	4,571.35	3	4,325.71	3	4,078.70	3	3,831.19	3	3,577.95	3	3,222.25	3	2,864.56
1/4		1/4		1/4		1/4	4,566.30	1/4	4,320.57	1/4	4,073.55	1/4	3,826.03	1/4	3,571.08	1/4	3,214.80	1/4	2,857.11
1/2		1/2		1/2		1/2	4,561.25	1/2	4,315.42	1/2	4,068.39	1/2	3,820.87	1/2	3,564.21	1/2	3,207.35	1/2	2,849.65
3/4		3/4		3/4		3/4	4,556.13	3/4	4,310.28	3/4	4,063.23	3/4	3,815.72	3/4	3,556.78	3/4	3,199.90	3/4	2,842.20
4	4	4	4	4	4	4	4,551.01	4	4,305.14	4	4,058.08	4	3,810.56	4	3,549.35	4	3,192.45	4	2,834.75
1/4		1/4		1/4		1/4	4,545.89	1/4	4,300.00	1/4	4,052.92	1/4	3,805.40	1/4	3,541.92	1/4	3,185.00	1/4	2,827.29
1/2		1/2		1/2		1/2	4,540.78	1/2	4,294.86	1/2	4,047.76	1/2	3,800.25	1/2	3,534.49	1/2	3,177.55	1/2	2,819.84
3/4		3/4		3/4		3/4	4,535.66	3/4	4,289.71	3/4	4,042.61	3/4	3,795.09	3/4	3,527.06	3/4	3,170.09	3/4	2,812.38
5	5	5	5	5	5	5	4,530.54	5	4,284.57	5	4,037.45	5	3,789.93	5	3,519.63	5	3,162.64	5	2,804.93
1/4		1/4		1/4		1/4	4,525.42	1/4	4,279.43	1/4	4,032.29	1/4	3,784.78	1/4	3,512.20	1/4	3,155.19	1/4	2,797.48
1/2		1/2		1/2		1/2	4,520.31	1/2	4,274.29	1/2	4,027.14	1/2	3,779.62	1/2	3,504.77	1/2	3,147.74	1/2	2,790.02
3/4		3/4		3/4		3/4	4,515.19	3/4	4,269.14	3/4	4,021.98	3/4	3,774.46	3/4	3,497.34	3/4	3,140.29	3/4	2,782.57
6	6	6	6	6	6	6	4,510.07	6	4,264.00	6	4,016.82	6	3,769.31	6	3,489.91	6	3,132.84	6	2,775.12
1/4		1/4		1/4		1/4	4,504.95	1/4	4,258.86	1/4	4,011.67	1/4	3,764.15	1/4	3,482.48	1/4	3,125.39	1/4	2,767.66
1/2		1/2		1/2		1/2	4,499.84	1/2	4,253.72	1/2	4,006.51	1/2	3,758.99	1/2	3,475.05	1/2	3,117.94	1/2	2,760.21
3/4		3/4		3/4		3/4	4,494.72	3/4	4,248.58	3/4	4,001.35	3/4	3,753.84	3/4	3,467.62	3/4	3,110.49	3/4	2,752.76
7	7	7	7	7	7	7	4,489.60	7	4,243.43	7	3,996.20	7	3,748.68	7	3,460.19	7	3,103.04	7	2,745.30
1/4		1/4		1/4		1/4	4,484.49	1/4	4,238.29	1/4	3,991.04	1/4	3,743.52	1/4	3,452.76	1/4	3,095.58	1/4	2,737.85
1/2		1/2		1/2		1/2	4,479.37	1/2	4,233.15	1/2	3,985.88	1/2	3,738.37	1/2	3,445.33	1/2	3,088.13	1/2	2,730.39
3/4		3/4		3/4		3/4	4,474.26	3/4	4,228.01	3/4	3,980.73	3/4	3,733.21	3/4	3,437.90	3/4	3,080.68	3/4	2,722.94
8	8	8	8	8	8	8	4,469.14	8	4,222.86	8	3,975.57	8	3,728.05	8	3,430.47	8	3,073.23	8	2,715.49
1/4		1/4		1/4		1/4	4,464.03	1/4	4,217.72	1/4	3,970.41	1/4	3,722.90	1/4	3,423.04	1/4	3,065.78	1/4	2,708.03
1/2		1/2		1/2		1/2	4,458.91	1/2	4,212.58	1/2	3,965.26	1/2	3,717.74	1/2	3,415.61	1/2	3,058.33	1/2	2,700.58
3/4		3/4		3/4		3/4	4,453.80	3/4	4,207.44	3/4	3,960.10	3/4	3,712.58	3/4	3,408.18	3/4	3,050.88	3/4	2,693.13
9	9	9	9	9	9	9	4,448.68	9	4,202.30	9	3,954.94	9	3,707.43	9	3,400.74	9	3,043.43	9	2,685.67
1/4		1/4		1/4		1/4	4,443.57	1/4	4,197.15	1/4	3,949.79	1/4	3,702.27	1/4	3,393.31	1/4	3,035.98	1/4	2,678.22
1/2		1/2		1/2		1/2	4,438.45	1/2	4,192.01	1/2	3,944.63	1/2	3,697.11	1/2	3,385.88	1/2	3,028.53	1/2	2,670.76
3/4		3/4		3/4		3/4	4,433.34	3/4	4,186.87	3/4	3,939.47	3/4	3,691.96	3/4	3,378.45	3/4	3,021.07	3/4	2,663.31
10	10	10	10	10	10	10	4,428.22	10	4,181.73	10	3,934.32	10	3,686.80	10	3,371.02	10	3,013.62	10	2,655.86
1/4		1/4		1/4		1/4	4,423.11	1/4	4,176.58	1/4	3,929.16	1/4	3,681.64	1/4	3,363.59	1/4	3,006.17	1/4	2,648.40
1/2		1/2		1/2		1/2	4,417.99	1/2	4,171.44	1/2	3,924.00	1/2	3,676.49	1/2	3,356.16	1/2	2,998.72	1/2	2,640.95
3/4		3/4		3/4		3/4	4,412.88	3/4	4,166.30	3/4	3,918.85	3/4	3,671.33	3/4	3,348.73	3/4	2,991.27	3/4	2,633.49
11	11	11	11	11	11	11	4,407.76	11	4,161.16	11	3,913.69	11	3,666.17	11	3,341.30	11	2,983.82	11	2,626.03
1/4		1/4		1/4		1/4	4,402.65	1/4	4,156.02	1/4	3,908.53	1/4	3,661.02	1/4	3,333.87	1/4	2,976.36	1/4	2,618.57
1/2		1/2		1/2		1/2	4,397.53	1/2	4,150.87	1/2	3,903.38	1/2	3,655.86	1/2	3,326.44	1/2	2,968.91	1/2	2,611.11
3/4		3/4		3/4		3/4	4,392.42	3/4	4,145.72	3/4	3,898.22	3/4	3,650.70	3/4	3,319.01	3/4	2,961.46	3/4	2,603.65

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE  
 GAUGE POINT: (HERMETIC) LOCATED 12'-07" OFF CENTERLINE AND 46'-00" FORWARD OF AFT BULKHEAD

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





# BARGE "HTCO 3096"

3 STBD

ULLAGE TABLE  
HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-02 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,596.19	0	2,238.07	0	1,879.94	0	1,521.82	0	1,163.70	0	806.12	0	448.01	0	89.89	0		0	
1/4	2,588.73	1/4	2,230.60	1/4	1,872.48	1/4	1,514.36	1/4	1,156.23	1/4	798.66	1/4	440.55	1/4	82.43	1/4		1/4	
1/2	2,581.27	1/2	2,223.14	1/2	1,865.02	1/2	1,506.90	1/2	1,148.77	1/2	791.20	1/2	433.09	1/2	74.97	1/2		1/2	
3/4	2,573.81	3/4	2,215.68	3/4	1,857.56	3/4	1,499.44	3/4	1,141.32	3/4	783.74	3/4	425.63	3/4	67.98	3/4		3/4	
1	2,566.34	1	2,208.22	1	1,850.10	1	1,491.98	1	1,133.86	1	776.28	1	418.17	1	60.98	1		1	
1/4	2,558.88	1/4	2,200.76	1/4	1,842.64	1/4	1,484.51	1/4	1,126.40	1/4	768.82	1/4	410.70	1/4	53.99	1/4		1/4	
1/2	2,551.42	1/2	2,193.30	1/2	1,835.18	1/2	1,477.05	1/2	1,118.95	1/2	761.36	1/2	403.24	1/2	47.00	1/2		1/2	
3/4	2,543.96	3/4	2,185.84	3/4	1,827.72	3/4	1,469.59	3/4	1,111.49	3/4	753.90	3/4	395.78	3/4	41.40	3/4		3/4	
2	2,536.50	2	2,178.38	2	1,820.25	2	1,462.13	2	1,104.04	2	746.44	2	388.32	2	35.80	2		2	
1/4	2,529.04	1/4	2,170.92	1/4	1,812.79	1/4	1,454.67	1/4	1,096.59	1/4	738.98	1/4	380.86	1/4	30.21	1/4		1/4	
1/2	2,521.58	1/2	2,163.46	1/2	1,805.33	1/2	1,447.21	1/2	1,089.13	1/2	731.51	1/2	373.40	1/2	24.61	1/2		1/2	
3/4	2,514.12	3/4	2,156.00	3/4	1,797.87	3/4	1,439.75	3/4	1,081.68	3/4	724.05	3/4	365.94	3/4	20.88	3/4		3/4	
3	2,506.66	3	2,148.53	3	1,790.41	3	1,432.29	3	1,074.24	3	716.59	3	358.48	3		3		3	
1/4	2,499.20	1/4	2,141.07	1/4	1,782.95	1/4	1,424.83	1/4	1,066.79	1/4	709.13	1/4	351.02	1/4		1/4		1/4	
1/2	2,491.74	1/2	2,133.61	1/2	1,775.49	1/2	1,417.37	1/2	1,059.34	1/2	701.67	1/2	343.56	1/2		1/2		1/2	
3/4	2,484.27	3/4	2,126.15	3/4	1,768.03	3/4	1,409.91	3/4	1,051.89	3/4	694.21	3/4	336.10	3/4		3/4		3/4	
4	2,476.81	4	2,118.69	4	1,760.57	4	1,402.44	4	1,044.45	4	686.75	4	328.64	4		4		4	
1/4	2,469.35	1/4	2,111.23	1/4	1,753.11	1/4	1,394.98	1/4	1,037.00	1/4	679.29	1/4	321.18	1/4		1/4		1/4	
1/2	2,461.89	1/2	2,103.77	1/2	1,745.65	1/2	1,387.52	1/2	1,029.55	1/2	671.83	1/2	313.72	1/2		1/2		1/2	
3/4	2,454.43	3/4	2,096.31	3/4	1,738.18	3/4	1,380.06	3/4	1,022.11	3/4	664.37	3/4	306.25	3/4		3/4		3/4	
5	2,446.97	5	2,088.85	5	1,730.72	5	1,372.60	5	1,014.66	5	656.91	5	298.79	5		5		5	
1/4	2,439.51	1/4	2,081.39	1/4	1,723.26	1/4	1,365.14	1/4	1,007.22	1/4	649.45	1/4	291.33	1/4		1/4		1/4	
1/2	2,432.05	1/2	2,073.93	1/2	1,715.80	1/2	1,357.68	1/2	999.77	1/2	641.99	1/2	283.87	1/2		1/2		1/2	
3/4	2,424.59	3/4	2,066.46	3/4	1,708.34	3/4	1,350.22	3/4	992.33	3/4	634.53	3/4	276.41	3/4		3/4		3/4	
6	2,417.13	6	2,059.00	6	1,700.88	6	1,342.76	6	984.88	6	627.06	6	268.95	6		6		6	
1/4	2,409.67	1/4	2,051.54	1/4	1,693.42	1/4	1,335.30	1/4	977.43	1/4	619.60	1/4	261.49	1/4		1/4		1/4	
1/2	2,402.20	1/2	2,044.08	1/2	1,685.96	1/2	1,327.84	1/2	969.99	1/2	612.14	1/2	254.03	1/2		1/2		1/2	
3/4	2,394.74	3/4	2,036.62	3/4	1,678.50	3/4	1,320.37	3/4	962.54	3/4	604.68	3/4	246.57	3/4		3/4		3/4	
7	2,387.28	7	2,029.16	7	1,671.04	7	1,312.91	7	955.10	7	597.22	7	239.11	7		7		7	
1/4	2,379.82	1/4	2,021.70	1/4	1,663.58	1/4	1,305.45	1/4	947.65	1/4	589.76	1/4	231.65	1/4		1/4		1/4	
1/2	2,372.36	1/2	2,014.24	1/2	1,656.11	1/2	1,297.99	1/2	940.21	1/2	582.30	1/2	224.19	1/2		1/2		1/2	
3/4	2,364.90	3/4	2,006.78	3/4	1,648.65	3/4	1,290.53	3/4	932.76	3/4	574.84	3/4	216.73	3/4		3/4		3/4	
8	2,357.44	8	1,999.32	8	1,641.19	8	1,283.07	8	925.32	8	567.38	8	209.27	8		8		8	
1/4	2,349.98	1/4	1,991.86	1/4	1,633.73	1/4	1,275.61	1/4	917.87	1/4	559.92	1/4	201.80	1/4		1/4		1/4	
1/2	2,342.52	1/2	1,984.39	1/2	1,626.27	1/2	1,268.15	1/2	910.42	1/2	552.46	1/2	194.34	1/2		1/2		1/2	
3/4	2,335.06	3/4	1,976.93	3/4	1,618.81	3/4	1,260.69	3/4	902.98	3/4	545.00	3/4	186.88	3/4		3/4		3/4	
9	2,327.60	9	1,969.47	9	1,611.35	9	1,253.23	9	895.53	9	537.54	9	179.42	9		9		9	
1/4	2,320.14	1/4	1,962.01	1/4	1,603.89	1/4	1,245.77	1/4	888.09	1/4	530.08	1/4	171.96	1/4		1/4		1/4	
1/2	2,312.67	1/2	1,954.55	1/2	1,596.43	1/2	1,238.30	1/2	880.64	1/2	522.61	1/2	164.50	1/2		1/2		1/2	
3/4	2,305.21	3/4	1,947.09	3/4	1,588.97	3/4	1,230.84	3/4	873.20	3/4	515.15	3/4	157.04	3/4		3/4		3/4	
10	2,297.75	10	1,939.63	10	1,581.51	10	1,223.38	10	865.75	10	507.69	10	149.58	10		10		10	
1/4	2,290.29	1/4	1,932.17	1/4	1,574.04	1/4	1,215.92	1/4	858.30	1/4	500.23	1/4	142.12	1/4		1/4		1/4	
1/2	2,282.83	1/2	1,924.71	1/2	1,566.58	1/2	1,208.46	1/2	850.86	1/2	492.77	1/2	134.66	1/2		1/2		1/2	
3/4	2,275.37	3/4	1,917.25	3/4	1,559.12	3/4	1,201.00	3/4	843.40	3/4	485.31	3/4	127.20	3/4		3/4		3/4	
11	2,267.91	11	1,909.79	11	1,551.66	11	1,193.54	11	835.95	11	477.85	11	119.74	11		11		11	
1/4	2,260.45	1/4	1,902.32	1/4	1,544.20	1/4	1,186.08	1/4	828.50	1/4	470.39	1/4	112.28	1/4		1/4		1/4	
1/2	2,252.99	1/2	1,894.86	1/2	1,536.74	1/2	1,178.62	1/2	821.04	1/2	462.93	1/2	104.82	1/2		1/2		1/2	
3/4	2,245.53	3/4	1,887.40	3/4	1,529.28	3/4	1,171.16	3/4	813.58	3/4	455.47	3/4	97.35	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/09/2013 CL - SW  
RECALCULATED: 05/09/2018 CL  
REPRINTED: 05/10/2018 CL

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



CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2018