



BARGE "HTCO 3078"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-3/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 5/8"

LENGTH BETWEEN DRAFT MARKS: 239' 00"

April 27, 2021

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

<http://www.pmacorp.net>



BARGE "HTCO 3078"

1 PORT ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 17'-03 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,694.81	0	4,339.47	0	3,984.13	0	3,628.78	0	3,273.44	0	2,918.09
1/4		1/4		1/4		1/4		1/4	4,687.41	1/4	4,332.07	1/4	3,976.72	1/4	3,621.38	1/4	3,266.04	1/4	2,910.69
1/2		1/2		1/2		1/2		1/2	4,680.01	1/2	4,324.66	1/2	3,969.32	1/2	3,613.97	1/2	3,258.63	1/2	2,903.28
3/4		3/4		3/4		3/4		3/4	5,015.30	3/4	4,672.60	3/4	4,317.26	3/4	3,961.91	3/4	3,606.57	3/4	3,251.23
1		1		1		1		1	5,010.78	1	4,665.20	1	4,309.86	1	3,954.51	1	3,599.17	1	3,243.83
1/4		1/4		1/4		1/4		1/4	5,005.12	1/4	4,657.80	1/4	4,302.46	1/4	3,947.11	1/4	3,591.77	1/4	3,236.42
1/2		1/2		1/2		1/2		1/2	4,999.47	1/2	4,650.40	1/2	4,295.05	1/2	3,939.70	1/2	3,584.36	1/2	3,229.02
3/4		3/4		3/4		3/4		3/4	4,993.81	3/4	4,642.99	3/4	4,287.65	3/4	3,932.30	3/4	3,576.96	3/4	3,221.61
2		2		2		2		2	4,988.15	2	4,635.59	2	4,280.25	2	3,924.90	2	3,569.56	2	3,214.21
1/4		1/4		1/4		1/4		1/4	4,981.36	1/4	4,628.19	1/4	4,272.84	1/4	3,917.50	1/4	3,562.16	1/4	3,206.81
1/2		1/2		1/2		1/2		1/2	4,974.57	1/2	4,620.79	1/2	4,265.44	1/2	3,910.09	1/2	3,554.75	1/2	3,199.40
3/4		3/4		3/4		3/4		3/4	4,967.78	3/4	4,613.38	3/4	4,258.03	3/4	3,902.69	3/4	3,547.35	3/4	3,192.00
3		3		3		3		3	4,960.99	3	4,605.98	3	4,250.63	3	3,895.29	3	3,539.95	3	3,184.60
1/4		1/4		1/4		1/4		1/4	4,953.67	1/4	4,598.58	1/4	4,243.23	1/4	3,887.89	1/4	3,532.54	1/4	3,177.20
1/2		1/2		1/2		1/2		1/2	4,946.35	1/2	4,591.18	1/2	4,235.82	1/2	3,880.48	1/2	3,525.14	1/2	3,169.79
3/4		3/4		3/4		3/4		3/4	4,939.03	3/4	4,583.77	3/4	4,228.42	3/4	3,873.08	3/4	3,517.73	3/4	3,162.39
4		4		4		4		4	4,931.71	4	4,576.37	4	4,221.02	4	3,865.68	4	3,510.33	4	3,154.99
1/4		1/4		1/4		1/4		1/4	4,924.31	1/4	4,568.97	1/4	4,213.62	1/4	3,858.28	1/4	3,502.93	1/4	3,147.59
1/2		1/2		1/2		1/2		1/2	4,916.91	1/2	4,561.56	1/2	4,206.21	1/2	3,850.87	1/2	3,495.52	1/2	3,140.18
3/4		3/4		3/4		3/4		3/4	4,909.50	3/4	4,554.16	3/4	4,198.81	3/4	3,843.47	3/4	3,488.12	3/4	3,132.78
5		5		5		5		5	4,902.10	5	4,546.75	5	4,191.41	5	3,836.07	5	3,480.72	5	3,125.38
1/4		1/4		1/4		1/4		1/4	4,894.70	1/4	4,539.35	1/4	4,184.01	1/4	3,828.66	1/4	3,473.32	1/4	3,117.98
1/2		1/2		1/2		1/2		1/2	4,887.30	1/2	4,531.95	1/2	4,176.60	1/2	3,821.26	1/2	3,465.91	1/2	3,110.57
3/4		3/4		3/4		3/4		3/4	4,879.89	3/4	4,524.54	3/4	4,169.20	3/4	3,813.85	3/4	3,458.51	3/4	3,103.17
6		6		6		6		6	4,872.49	6	4,517.14	6	4,161.80	6	3,806.45	6	3,451.11	6	3,095.77
1/4		1/4		1/4		1/4		1/4	4,865.09	1/4	4,509.74	1/4	4,154.40	1/4	3,799.05	1/4	3,443.71	1/4	3,088.36
1/2		1/2		1/2		1/2		1/2	4,857.68	1/2	4,502.34	1/2	4,146.99	1/2	3,791.64	1/2	3,436.30	1/2	3,080.96
3/4		3/4		3/4		3/4		3/4	4,850.28	3/4	4,494.93	3/4	4,139.59	3/4	3,784.24	3/4	3,428.90	3/4	3,073.55
7		7		7		7		7	4,842.87	7	4,487.53	7	4,132.19	7	3,776.84	7	3,421.50	7	3,066.15
1/4		1/4		1/4		1/4		1/4	4,835.47	1/4	4,480.13	1/4	4,124.78	1/4	3,769.44	1/4	3,414.10	1/4	3,058.75
1/2		1/2		1/2		1/2		1/2	4,828.07	1/2	4,472.73	1/2	4,117.38	1/2	3,762.03	1/2	3,406.69	1/2	3,051.34
3/4		3/4		3/4		3/4		3/4	4,820.66	3/4	4,465.32	3/4	4,109.97	3/4	3,754.63	3/4	3,399.29	3/4	3,043.94
8		8		8		8		8	4,813.26	8	4,457.92	8	4,102.57	8	3,747.23	8	3,391.89	8	3,036.54
1/4		1/4		1/4		1/4		1/4	4,805.86	1/4	4,450.52	1/4	4,095.17	1/4	3,739.83	1/4	3,384.48	1/4	3,029.14
1/2		1/2		1/2		1/2		1/2	4,798.46	1/2	4,443.12	1/2	4,087.76	1/2	3,732.42	1/2	3,377.08	1/2	3,021.73
3/4		3/4		3/4		3/4		3/4	4,791.05	3/4	4,435.71	3/4	4,080.36	3/4	3,725.02	3/4	3,369.67	3/4	3,014.33
9		9		9		9		9	4,783.65	9	4,428.31	9	4,072.96	9	3,717.62	9	3,362.27	9	3,006.93
1/4		1/4		1/4		1/4		1/4	4,776.25	1/4	4,420.91	1/4	4,065.56	1/4	3,710.22	1/4	3,354.87	1/4	2,999.53
1/2		1/2		1/2		1/2		1/2	4,768.85	1/2	4,413.50	1/2	4,058.15	1/2	3,702.81	1/2	3,347.46	1/2	2,992.12
3/4		3/4		3/4		3/4		3/4	4,761.44	3/4	4,406.10	3/4	4,050.75	3/4	3,695.41	3/4	3,340.06	3/4	2,984.72
10		10		10		10		10	4,754.04	10	4,398.69	10	4,043.35	10	3,688.01	10	3,332.66	10	2,977.32
1/4		1/4		1/4		1/4		1/4	4,746.64	1/4	4,391.29	1/4	4,035.95	1/4	3,680.60	1/4	3,325.26	1/4	2,969.92
1/2		1/2		1/2		1/2		1/2	4,739.24	1/2	4,383.89	1/2	4,028.54	1/2	3,673.20	1/2	3,317.85	1/2	2,962.51
3/4		3/4		3/4		3/4		3/4	4,731.83	3/4	4,376.48	3/4	4,021.14	3/4	3,665.79	3/4	3,310.45	3/4	2,955.11
11		11		11		11		11	4,724.43	11	4,369.08	11	4,013.74	11	3,658.39	11	3,303.05	11	2,947.71
1/4		1/4		1/4		1/4		1/4	4,717.03	1/4	4,361.68	1/4	4,006.34	1/4	3,650.99	1/4	3,295.65	1/4	2,940.30
1/2		1/2		1/2		1/2		1/2	4,709.62	1/2	4,354.28	1/2	3,998.93	1/2	3,643.58	1/2	3,288.24	1/2	2,932.90
3/4		3/4		3/4		3/4		3/4	4,702.22	3/4	4,346.87	3/4	3,991.53	3/4	3,636.18	3/4	3,280.84	3/4	2,925.49

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 46'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "HTCO 3078"

1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,562.75	0	2,207.41	0	1,852.06	0	1,496.72	0	1,141.38	0	786.03	0	429.14	0	91.58	0		0	
1/4	2,555.35	1/4	2,200.01	1/4	1,844.66	1/4	1,489.32	1/4	1,133.97	1/4	778.63	1/4	421.69	1/4	85.20	1/4		1/4	
1/2	2,547.94	1/2	2,192.60	1/2	1,837.25	1/2	1,481.91	1/2	1,126.57	1/2	771.22	1/2	414.23	1/2	78.82	1/2		1/2	
3/4	2,540.54	3/4	2,185.20	3/4	1,829.85	3/4	1,474.51	3/4	1,119.16	3/4	763.82	3/4	406.78	3/4	72.44	3/4		3/4	
1	2,533.14	1	2,177.80	1	1,822.45	1	1,467.11	1	1,111.76	1	756.42	1	399.33	1	66.06	1		1	
1/4	2,525.74	1/4	2,170.39	1/4	1,815.05	1/4	1,459.71	1/4	1,104.36	1/4	749.02	1/4	391.97	1/4	59.88	1/4		1/4	
1/2	2,518.33	1/2	2,162.99	1/2	1,807.64	1/2	1,452.30	1/2	1,096.95	1/2	741.61	1/2	384.61	1/2	53.70	1/2		1/2	
3/4	2,510.93	3/4	2,155.58	3/4	1,800.24	3/4	1,444.90	3/4	1,089.55	3/4	734.21	3/4	377.26	3/4	47.53	3/4		3/4	
2	2,503.53	2	2,148.18	2	1,792.84	2	1,437.50	2	1,082.15	2	726.81	2	369.90	2	41.35	2		2	
1/4	2,496.12	1/4	2,140.78	1/4	1,785.44	1/4	1,430.09	1/4	1,074.75	1/4	719.41	1/4	362.57	1/4	36.50	1/4		1/4	
1/2	2,488.72	1/2	2,133.37	1/2	1,778.03	1/2	1,422.69	1/2	1,067.34	1/2	712.00	1/2	355.24	1/2	31.65	1/2		1/2	
3/4	2,481.31	3/4	2,125.97	3/4	1,770.63	3/4	1,415.28	3/4	1,059.94	3/4	704.60	3/4	347.91	3/4	26.80	3/4		3/4	
3	2,473.91	3	2,118.57	3	1,763.23	3	1,407.88	3	1,052.54	3	697.20	3	340.58	3	21.95	3		3	
1/4	2,466.51	1/4	2,111.17	1/4	1,755.83	1/4	1,400.48	1/4	1,045.14	1/4	689.79	1/4	333.34	1/4	18.56	1/4		1/4	
1/2	2,459.10	1/2	2,103.76	1/2	1,748.42	1/2	1,393.07	1/2	1,037.73	1/2	682.39	1/2	326.11	1/2		1/2		1/2	
3/4	2,451.70	3/4	2,096.36	3/4	1,741.02	3/4	1,385.67	3/4	1,030.33	3/4	674.98	3/4	318.87	3/4		3/4		3/4	
4	2,444.30	4	2,088.96	4	1,733.62	4	1,378.27	4	1,022.93	4	667.58	4	311.64	4	4	4		4	4
1/4	2,436.90	1/4	2,081.56	1/4	1,726.21	1/4	1,370.87	1/4	1,015.53	1/4	660.18	1/4	304.44	1/4		1/4		1/4	
1/2	2,429.49	1/2	2,074.15	1/2	1,718.81	1/2	1,363.46	1/2	1,008.12	1/2	652.77	1/2	297.23	1/2		1/2		1/2	
3/4	2,422.09	3/4	2,066.75	3/4	1,711.40	3/4	1,356.06	3/4	1,000.72	3/4	645.37	3/4	290.03	3/4		3/4		3/4	
5	2,414.69	5	2,059.35	5	1,704.00	5	1,348.66	5	993.32	5	637.97	5	282.83	5	5	5		5	5
1/4	2,407.29	1/4	2,051.95	1/4	1,696.60	1/4	1,341.26	1/4	985.91	1/4	630.57	1/4	275.72	1/4		1/4		1/4	
1/2	2,399.88	1/2	2,044.54	1/2	1,689.19	1/2	1,333.85	1/2	978.51	1/2	623.16	1/2	268.61	1/2		1/2		1/2	
3/4	2,392.48	3/4	2,037.14	3/4	1,681.79	3/4	1,326.45	3/4	971.10	3/4	615.76	3/4	261.51	3/4		3/4		3/4	
6	2,385.08	6	2,029.74	6	1,674.39	6	1,319.05	6	963.70	6	608.36	6	254.40	6	6	6		6	6
1/4	2,377.68	1/4	2,022.33	1/4	1,666.99	1/4	1,311.65	1/4	956.30	1/4	600.96	1/4	247.32	1/4		1/4		1/4	
1/2	2,370.27	1/2	2,014.93	1/2	1,659.58	1/2	1,304.24	1/2	948.89	1/2	593.55	1/2	240.24	1/2		1/2		1/2	
3/4	2,362.87	3/4	2,007.52	3/4	1,652.18	3/4	1,296.84	3/4	941.49	3/4	586.15	3/4	233.17	3/4		3/4		3/4	
7	2,355.47	7	2,000.12	7	1,644.78	7	1,289.44	7	934.09	7	578.75	7	226.09	7	7	7		7	7
1/4	2,348.07	1/4	1,992.72	1/4	1,637.38	1/4	1,282.03	1/4	926.69	1/4	571.35	1/4	219.11	1/4		1/4		1/4	
1/2	2,340.66	1/2	1,985.31	1/2	1,629.97	1/2	1,274.63	1/2	919.28	1/2	563.94	1/2	212.12	1/2		1/2		1/2	
3/4	2,333.26	3/4	1,977.91	3/4	1,622.57	3/4	1,267.22	3/4	911.88	3/4	556.54	3/4	205.14	3/4		3/4		3/4	
8	2,325.86	8	1,970.51	8	1,615.17	8	1,259.82	8	904.48	8	549.14	8	198.16	8	8	8		8	8
1/4	2,318.45	1/4	1,963.11	1/4	1,607.77	1/4	1,252.42	1/4	897.03	1/4	541.73	1/4	191.21	1/4		1/4		1/4	
1/2	2,311.05	1/2	1,955.70	1/2	1,600.36	1/2	1,245.01	1/2	889.57	1/2	534.33	1/2	184.25	1/2		1/2		1/2	
3/4	2,303.64	3/4	1,948.30	3/4	1,592.96	3/4	1,237.61	3/4	882.12	3/4	526.92	3/4	177.30	3/4		3/4		3/4	
9	2,296.24	9	1,940.90	9	1,585.56	9	1,230.21	9	874.67	9	519.52	9	170.35	9	9	9		9	9
1/4	2,288.84	1/4	1,933.50	1/4	1,578.15	1/4	1,222.81	1/4	867.32	1/4	511.99	1/4	163.67	1/4		1/4		1/4	
1/2	2,281.43	1/2	1,926.09	1/2	1,570.75	1/2	1,215.40	1/2	859.96	1/2	504.45	1/2	156.99	1/2		1/2		1/2	
3/4	2,274.03	3/4	1,918.69	3/4	1,563.34	3/4	1,208.00	3/4	852.61	3/4	496.92	3/4	150.32	3/4		3/4		3/4	
10	2,266.63	10	1,911.29	10	1,555.94	10	1,200.60	10	845.26	10	489.39	10	143.64	10	10	10		10	10
1/4	2,259.23	1/4	1,903.89	1/4	1,548.54	1/4	1,193.20	1/4	837.85	1/4	481.81	1/4	137.05	1/4		1/4		1/4	
1/2	2,251.82	1/2	1,896.48	1/2	1,541.13	1/2	1,185.79	1/2	830.45	1/2	474.23	1/2	130.47	1/2		1/2		1/2	
3/4	2,244.42	3/4	1,889.08	3/4	1,533.73	3/4	1,178.39	3/4	823.04	3/4	466.65	3/4	123.88	3/4		3/4		3/4	
11	2,237.02	11	1,881.68	11	1,526.33	11	1,170.99	11	815.64	11	459.07	11	117.30	11	11	11		11	11
1/4	2,229.62	1/4	1,874.27	1/4	1,518.93	1/4	1,163.59	1/4	808.24	1/4	451.59	1/4	110.87	1/4		1/4		1/4	
1/2	2,222.21	1/2	1,866.87	1/2	1,511.52	1/2	1,156.18	1/2	800.83	1/2	444.10	1/2	104.44	1/2		1/2		1/2	
3/4	2,214.81	3/4	1,859.46	3/4	1,504.12	3/4	1,148.78	3/4	793.43	3/4	436.62	3/4	98.01	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/27/2010 INSP.
RECALCULATED: 04/27/2021 CL
REPRINTED: 04/27/2021 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2021

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "HTCO 3078"

1 STBD ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 17'-03 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,694.81	0	4,339.47	0	3,984.13	0	3,628.78	0	3,273.44	0	2,918.09
1/4		1/4		1/4		1/4		1/4	4,687.41	1/4	4,332.07	1/4	3,976.72	1/4	3,621.38	1/4	3,266.04	1/4	2,910.69
1/2		1/2		1/2		1/2		1/2	4,680.01	1/2	4,324.66	1/2	3,969.32	1/2	3,613.97	1/2	3,258.63	1/2	2,903.28
3/4		3/4		3/4		3/4		3/4	5,015.30	3/4	4,672.60	3/4	4,317.26	3/4	3,961.91	3/4	3,606.57	3/4	3,251.23
1		1		1		1		1	5,010.78	1	4,665.20	1	4,309.86	1	3,954.51	1	3,599.17	1	3,243.83
1/4		1/4		1/4		1/4		1/4	5,005.12	1/4	4,657.80	1/4	4,302.46	1/4	3,947.11	1/4	3,591.77	1/4	3,236.42
1/2		1/2		1/2		1/2		1/2	4,999.47	1/2	4,650.40	1/2	4,295.05	1/2	3,939.70	1/2	3,584.36	1/2	3,229.02
3/4		3/4		3/4		3/4		3/4	4,993.81	3/4	4,642.99	3/4	4,287.65	3/4	3,932.30	3/4	3,576.96	3/4	3,221.61
2		2		2		2		2	4,988.15	2	4,635.59	2	4,280.25	2	3,924.90	2	3,569.56	2	3,214.21
1/4		1/4		1/4		1/4		1/4	4,981.36	1/4	4,628.19	1/4	4,272.84	1/4	3,917.50	1/4	3,562.16	1/4	3,206.81
1/2		1/2		1/2		1/2		1/2	4,974.57	1/2	4,620.79	1/2	4,265.44	1/2	3,910.09	1/2	3,554.75	1/2	3,199.40
3/4		3/4		3/4		3/4		3/4	4,967.78	3/4	4,613.38	3/4	4,258.03	3/4	3,902.69	3/4	3,547.35	3/4	3,192.00
3		3		3		3		3	4,960.99	3	4,605.98	3	4,250.63	3	3,895.29	3	3,539.95	3	3,184.60
1/4		1/4		1/4		1/4		1/4	4,953.67	1/4	4,598.58	1/4	4,243.23	1/4	3,887.89	1/4	3,532.54	1/4	3,177.20
1/2		1/2		1/2		1/2		1/2	4,946.35	1/2	4,591.18	1/2	4,235.82	1/2	3,880.48	1/2	3,525.14	1/2	3,169.79
3/4		3/4		3/4		3/4		3/4	4,939.03	3/4	4,583.77	3/4	4,228.42	3/4	3,873.08	3/4	3,517.73	3/4	3,162.39
4		4		4		4		4	4,931.71	4	4,576.37	4	4,221.02	4	3,865.68	4	3,510.33	4	3,154.99
1/4		1/4		1/4		1/4		1/4	4,924.31	1/4	4,568.97	1/4	4,213.62	1/4	3,858.28	1/4	3,502.93	1/4	3,147.59
1/2		1/2		1/2		1/2		1/2	4,916.91	1/2	4,561.56	1/2	4,206.21	1/2	3,850.87	1/2	3,495.52	1/2	3,140.18
3/4		3/4		3/4		3/4		3/4	4,909.50	3/4	4,554.16	3/4	4,198.81	3/4	3,843.47	3/4	3,488.12	3/4	3,132.78
5		5		5		5		5	4,902.10	5	4,546.75	5	4,191.41	5	3,836.07	5	3,480.72	5	3,125.38
1/4		1/4		1/4		1/4		1/4	4,894.70	1/4	4,539.35	1/4	4,184.01	1/4	3,828.66	1/4	3,473.32	1/4	3,117.98
1/2		1/2		1/2		1/2		1/2	4,887.30	1/2	4,531.95	1/2	4,176.60	1/2	3,821.26	1/2	3,465.91	1/2	3,110.57
3/4		3/4		3/4		3/4		3/4	4,879.89	3/4	4,524.54	3/4	4,169.20	3/4	3,813.85	3/4	3,458.51	3/4	3,103.17
6		6		6		6		6	4,872.49	6	4,517.14	6	4,161.80	6	3,806.45	6	3,451.11	6	3,095.77
1/4		1/4		1/4		1/4		1/4	4,865.09	1/4	4,509.74	1/4	4,154.40	1/4	3,799.05	1/4	3,443.71	1/4	3,088.36
1/2		1/2		1/2		1/2		1/2	4,857.68	1/2	4,502.34	1/2	4,146.99	1/2	3,791.64	1/2	3,436.30	1/2	3,080.96
3/4		3/4		3/4		3/4		3/4	4,850.28	3/4	4,494.93	3/4	4,139.59	3/4	3,784.24	3/4	3,428.90	3/4	3,073.55
7		7		7		7		7	4,842.87	7	4,487.53	7	4,132.19	7	3,776.84	7	3,421.50	7	3,066.15
1/4		1/4		1/4		1/4		1/4	4,835.47	1/4	4,480.13	1/4	4,124.78	1/4	3,769.44	1/4	3,414.10	1/4	3,058.75
1/2		1/2		1/2		1/2		1/2	4,828.07	1/2	4,472.73	1/2	4,117.38	1/2	3,762.03	1/2	3,406.69	1/2	3,051.34
3/4		3/4		3/4		3/4		3/4	4,820.66	3/4	4,465.32	3/4	4,109.97	3/4	3,754.63	3/4	3,399.29	3/4	3,043.94
8		8		8		8		8	4,813.26	8	4,457.92	8	4,102.57	8	3,747.23	8	3,391.89	8	3,036.54
1/4		1/4		1/4		1/4		1/4	4,805.86	1/4	4,450.52	1/4	4,095.17	1/4	3,739.83	1/4	3,384.48	1/4	3,029.14
1/2		1/2		1/2		1/2		1/2	4,798.46	1/2	4,443.12	1/2	4,087.76	1/2	3,732.42	1/2	3,377.08	1/2	3,021.73
3/4		3/4		3/4		3/4		3/4	4,791.05	3/4	4,435.71	3/4	4,080.36	3/4	3,725.02	3/4	3,369.67	3/4	3,014.33
9		9		9		9		9	4,783.65	9	4,428.31	9	4,072.96	9	3,717.62	9	3,362.27	9	3,006.93
1/4		1/4		1/4		1/4		1/4	4,776.25	1/4	4,420.91	1/4	4,065.56	1/4	3,710.22	1/4	3,354.87	1/4	2,999.53
1/2		1/2		1/2		1/2		1/2	4,768.85	1/2	4,413.50	1/2	4,058.15	1/2	3,702.81	1/2	3,347.46	1/2	2,992.12
3/4		3/4		3/4		3/4		3/4	4,761.44	3/4	4,406.10	3/4	4,050.75	3/4	3,695.41	3/4	3,340.06	3/4	2,984.72
10		10		10		10		10	4,754.04	10	4,398.69	10	4,043.35	10	3,688.01	10	3,332.66	10	2,977.32
1/4		1/4		1/4		1/4		1/4	4,746.64	1/4	4,391.29	1/4	4,035.95	1/4	3,680.60	1/4	3,325.26	1/4	2,969.92
1/2		1/2		1/2		1/2		1/2	4,739.24	1/2	4,383.89	1/2	4,028.54	1/2	3,673.20	1/2	3,317.85	1/2	2,962.51
3/4		3/4		3/4		3/4		3/4	4,731.83	3/4	4,376.48	3/4	4,021.14	3/4	3,665.79	3/4	3,310.45	3/4	2,955.11
11		11		11		11		11	4,724.43	11	4,369.08	11	4,013.74	11	3,658.39	11	3,303.05	11	2,947.71
1/4		1/4		1/4		1/4		1/4	4,717.03	1/4	4,361.68	1/4	4,006.34	1/4	3,650.99	1/4	3,295.65	1/4	2,940.30
1/2		1/2		1/2		1/2		1/2	4,709.62	1/2	4,354.28	1/2	3,998.93	1/2	3,643.58	1/2	3,288.24	1/2	2,932.90
3/4		3/4		3/4		3/4		3/4	4,702.22	3/4	4,346.87	3/4	3,991.53	3/4	3,636.18	3/4	3,280.84	3/4	2,925.49

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 46'-03" 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 3078"

1 STBD

ULLAGE TABLE
HERMETIC

GAUGE HEIGHT 17'-03 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,562.75	0	2,207.41	0	1,852.06	0	1,496.72	0	1,141.38	0	786.03	0	429.14	0	91.58	0		0	
1/4	2,555.35	1/4	2,200.01	1/4	1,844.66	1/4	1,489.32	1/4	1,133.97	1/4	778.63	1/4	421.69	1/4	85.20	1/4		1/4	
1/2	2,547.94	1/2	2,192.60	1/2	1,837.25	1/2	1,481.91	1/2	1,126.57	1/2	771.22	1/2	414.23	1/2	78.82	1/2		1/2	
3/4	2,540.54	3/4	2,185.20	3/4	1,829.85	3/4	1,474.51	3/4	1,119.16	3/4	763.82	3/4	406.78	3/4	72.44	3/4		3/4	
1	2,533.14	1	2,177.80	1	1,822.45	1	1,467.11	1	1,111.76	1	756.42	1	399.33	1	66.06	1		1	
1/4	2,525.74	1/4	2,170.39	1/4	1,815.05	1/4	1,459.71	1/4	1,104.36	1/4	749.02	1/4	391.97	1/4	59.88	1/4		1/4	
1/2	2,518.33	1/2	2,162.99	1/2	1,807.64	1/2	1,452.30	1/2	1,096.95	1/2	741.61	1/2	384.61	1/2	53.70	1/2		1/2	
3/4	2,510.93	3/4	2,155.58	3/4	1,800.24	3/4	1,444.90	3/4	1,089.55	3/4	734.21	3/4	377.26	3/4	47.53	3/4		3/4	
2	2,503.53	2	2,148.18	2	1,792.84	2	1,437.50	2	1,082.15	2	726.81	2	369.90	2	41.35	2		2	
1/4	2,496.12	1/4	2,140.78	1/4	1,785.44	1/4	1,430.09	1/4	1,074.75	1/4	719.41	1/4	362.57	1/4	36.50	1/4		1/4	
1/2	2,488.72	1/2	2,133.37	1/2	1,778.03	1/2	1,422.69	1/2	1,067.34	1/2	712.00	1/2	355.24	1/2	31.65	1/2		1/2	
3/4	2,481.31	3/4	2,125.97	3/4	1,770.63	3/4	1,415.28	3/4	1,059.94	3/4	704.60	3/4	347.91	3/4	26.80	3/4		3/4	
3	2,473.91	3	2,118.57	3	1,763.23	3	1,407.88	3	1,052.54	3	697.20	3	340.58	3	21.95	3		3	
1/4	2,466.51	1/4	2,111.17	1/4	1,755.83	1/4	1,400.48	1/4	1,045.14	1/4	689.79	1/4	333.34	1/4	18.56	1/4		1/4	
1/2	2,459.10	1/2	2,103.76	1/2	1,748.42	1/2	1,393.07	1/2	1,037.73	1/2	682.39	1/2	326.11	1/2		1/2		1/2	
3/4	2,451.70	3/4	2,096.36	3/4	1,741.02	3/4	1,385.67	3/4	1,030.33	3/4	674.98	3/4	318.87	3/4		3/4		3/4	
4	2,444.30	4	2,088.96	4	1,733.62	4	1,378.27	4	1,022.93	4	667.58	4	311.64	4	4	4		4	4
1/4	2,436.90	1/4	2,081.56	1/4	1,726.21	1/4	1,370.87	1/4	1,015.53	1/4	660.18	1/4	304.44	1/4		1/4		1/4	
1/2	2,429.49	1/2	2,074.15	1/2	1,718.81	1/2	1,363.46	1/2	1,008.12	1/2	652.77	1/2	297.23	1/2		1/2		1/2	
3/4	2,422.09	3/4	2,066.75	3/4	1,711.40	3/4	1,356.06	3/4	1,000.72	3/4	645.37	3/4	290.03	3/4		3/4		3/4	
5	2,414.69	5	2,059.35	5	1,704.00	5	1,348.66	5	993.32	5	637.97	5	282.83	5	5	5		5	5
1/4	2,407.29	1/4	2,051.95	1/4	1,696.60	1/4	1,341.26	1/4	985.91	1/4	630.57	1/4	275.72	1/4		1/4		1/4	
1/2	2,399.88	1/2	2,044.54	1/2	1,689.19	1/2	1,333.85	1/2	978.51	1/2	623.16	1/2	268.61	1/2		1/2		1/2	
3/4	2,392.48	3/4	2,037.14	3/4	1,681.79	3/4	1,326.45	3/4	971.10	3/4	615.76	3/4	261.51	3/4		3/4		3/4	
6	2,385.08	6	2,029.74	6	1,674.39	6	1,319.05	6	963.70	6	608.36	6	254.40	6	6	6		6	6
1/4	2,377.68	1/4	2,022.33	1/4	1,666.99	1/4	1,311.65	1/4	956.30	1/4	600.96	1/4	247.32	1/4		1/4		1/4	
1/2	2,370.27	1/2	2,014.93	1/2	1,659.58	1/2	1,304.24	1/2	948.89	1/2	593.55	1/2	240.24	1/2		1/2		1/2	
3/4	2,362.87	3/4	2,007.52	3/4	1,652.18	3/4	1,296.84	3/4	941.49	3/4	586.15	3/4	233.17	3/4		3/4		3/4	
7	2,355.47	7	2,000.12	7	1,644.78	7	1,289.44	7	934.09	7	578.75	7	226.09	7	7	7		7	7
1/4	2,348.07	1/4	1,992.72	1/4	1,637.38	1/4	1,282.03	1/4	926.69	1/4	571.35	1/4	219.11	1/4		1/4		1/4	
1/2	2,340.66	1/2	1,985.31	1/2	1,629.97	1/2	1,274.63	1/2	919.28	1/2	563.94	1/2	212.12	1/2		1/2		1/2	
3/4	2,333.26	3/4	1,977.91	3/4	1,622.57	3/4	1,267.22	3/4	911.88	3/4	556.54	3/4	205.14	3/4		3/4		3/4	
8	2,325.86	8	1,970.51	8	1,615.17	8	1,259.82	8	904.48	8	549.14	8	198.16	8	8	8		8	8
1/4	2,318.45	1/4	1,963.11	1/4	1,607.77	1/4	1,252.42	1/4	897.03	1/4	541.73	1/4	191.21	1/4		1/4		1/4	
1/2	2,311.05	1/2	1,955.70	1/2	1,600.36	1/2	1,245.01	1/2	889.57	1/2	534.33	1/2	184.25	1/2		1/2		1/2	
3/4	2,303.64	3/4	1,948.30	3/4	1,592.96	3/4	1,237.61	3/4	882.12	3/4	526.92	3/4	177.30	3/4		3/4		3/4	
9	2,296.24	9	1,940.90	9	1,585.56	9	1,230.21	9	874.67	9	519.52	9	170.35	9	9	9		9	9
1/4	2,288.84	1/4	1,933.50	1/4	1,578.15	1/4	1,222.81	1/4	867.32	1/4	511.99	1/4	163.67	1/4		1/4		1/4	
1/2	2,281.43	1/2	1,926.09	1/2	1,570.75	1/2	1,215.40	1/2	859.96	1/2	504.45	1/2	156.99	1/2		1/2		1/2	
3/4	2,274.03	3/4	1,918.69	3/4	1,563.34	3/4	1,208.00	3/4	852.61	3/4	496.92	3/4	150.32	3/4		3/4		3/4	
10	2,266.63	10	1,911.29	10	1,555.94	10	1,200.60	10	845.26	10	489.39	10	143.64	10	10	10		10	10
1/4	2,259.23	1/4	1,903.89	1/4	1,548.54	1/4	1,193.20	1/4	837.85	1/4	481.81	1/4	137.05	1/4		1/4		1/4	
1/2	2,251.82	1/2	1,896.48	1/2	1,541.13	1/2	1,185.79	1/2	830.45	1/2	474.23	1/2	130.47	1/2		1/2		1/2	
3/4	2,244.42	3/4	1,889.08	3/4	1,533.73	3/4	1,178.39	3/4	823.04	3/4	466.65	3/4	123.88	3/4		3/4		3/4	
11	2,237.02	11	1,881.68	11	1,526.33	11	1,170.99	11	815.64	11	459.07	11	117.30	11	11	11		11	11
1/4	2,229.62	1/4	1,874.27	1/4	1,518.93	1/4	1,163.59	1/4	808.24	1/4	451.59	1/4	110.87	1/4		1/4		1/4	
1/2	2,222.21	1/2	1,866.87	1/2	1,511.52	1/2	1,156.18	1/2	800.83	1/2	444.10	1/2	104.44	1/2		1/2		1/2	
3/4	2,214.81	3/4	1,859.46	3/4	1,504.12	3/4	1,148.78	3/4	793.43	3/4	436.62	3/4	98.01	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "HTCO 3078"

2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,621.50	0	2,260.92	0	1,900.35	0	1,539.77	0	1,179.19	0	818.62	0	458.04	0	103.82	0		0	
1/4	2,613.99	1/4	2,253.41	1/4	1,892.84	1/4	1,532.26	1/4	1,171.68	1/4	811.11	1/4	450.53	1/4	96.94	1/4		1/4	
1/2	2,606.48	1/2	2,245.90	1/2	1,885.33	1/2	1,524.75	1/2	1,164.17	1/2	803.60	1/2	443.02	1/2	90.06	1/2		1/2	
3/4	2,598.97	3/4	2,238.39	3/4	1,877.82	3/4	1,517.24	3/4	1,156.66	3/4	796.09	3/4	435.51	3/4	83.19	3/4		3/4	
1	2,591.45	1	2,230.87	1	1,870.30	1	1,509.72	1	1,149.15	1	788.57	1	427.99	1	76.31	1		1	
1/4	2,583.94	1/4	2,223.36	1/4	1,862.79	1/4	1,502.21	1/4	1,141.64	1/4	781.06	1/4	420.48	1/4	69.43	1/4		1/4	
1/2	2,576.43	1/2	2,215.85	1/2	1,855.28	1/2	1,494.70	1/2	1,134.13	1/2	773.55	1/2	412.97	1/2	62.68	1/2		1/2	
3/4	2,568.92	3/4	2,208.34	3/4	1,847.77	3/4	1,487.19	3/4	1,126.62	3/4	766.04	3/4	405.46	3/4	55.93	3/4		3/4	
2	2,561.40	2	2,200.83	2	1,840.25	2	1,479.67	2	1,119.10	2	758.52	2	397.95	2	49.17	2		2	
1/4	2,553.89	1/4	2,193.32	1/4	1,832.74	1/4	1,472.16	1/4	1,111.59	1/4	751.01	1/4	390.44	1/4	42.42	1/4		1/4	
1/2	2,546.38	1/2	2,185.81	1/2	1,825.23	1/2	1,464.65	1/2	1,104.08	1/2	743.50	1/2	382.93	1/2	37.20	1/2		1/2	
3/4	2,538.87	3/4	2,178.30	3/4	1,817.72	3/4	1,457.14	3/4	1,096.57	3/4	735.99	3/4	375.42	3/4	31.98	3/4		3/4	
3	2,531.35	3	2,170.78	3	1,810.20	3	1,449.63	3	1,089.05	3	728.47	3	367.90	3	26.75	3		3	
1/4	2,523.84	1/4	2,163.27	1/4	1,802.69	1/4	1,442.12	1/4	1,081.54	1/4	720.96	1/4	360.39	1/4	21.53	1/4		1/4	
1/2	2,516.33	1/2	2,155.76	1/2	1,795.18	1/2	1,434.61	1/2	1,074.03	1/2	713.45	1/2	352.88	1/2	18.01	1/2		1/2	
3/4	2,508.82	3/4	2,148.25	3/4	1,787.67	3/4	1,427.10	3/4	1,066.52	3/4	705.94	3/4	345.37	3/4		3/4		3/4	
4	2,501.31	4	2,140.73	4	1,780.15	4	1,419.58	4	1,059.00	4	698.43	4	337.85	4		4		4	
1/4	2,493.80	1/4	2,133.22	1/4	1,772.64	1/4	1,412.07	1/4	1,051.49	1/4	690.92	1/4	330.34	1/4		1/4		1/4	
1/2	2,486.29	1/2	2,125.71	1/2	1,765.13	1/2	1,404.56	1/2	1,043.98	1/2	683.41	1/2	322.83	1/2		1/2		1/2	
3/4	2,478.78	3/4	2,118.20	3/4	1,757.62	3/4	1,397.05	3/4	1,036.47	3/4	675.90	3/4	315.32	3/4		3/4		3/4	
5	2,471.26	5	2,110.68	5	1,750.11	5	1,389.53	5	1,028.95	5	668.38	5	307.80	5		5		5	
1/4	2,463.75	1/4	2,103.17	1/4	1,742.60	1/4	1,382.02	1/4	1,021.44	1/4	660.87	1/4	300.29	1/4		1/4		1/4	
1/2	2,456.24	1/2	2,095.66	1/2	1,735.09	1/2	1,374.51	1/2	1,013.93	1/2	653.36	1/2	292.78	1/2		1/2		1/2	
3/4	2,448.73	3/4	2,088.15	3/4	1,727.58	3/4	1,367.00	3/4	1,006.42	3/4	645.85	3/4	285.27	3/4		3/4		3/4	
6	2,441.21	6	2,080.63	6	1,720.06	6	1,359.48	6	998.91	6	638.33	6	277.75	6		6		6	
1/4	2,433.70	1/4	2,073.12	1/4	1,712.55	1/4	1,351.97	1/4	991.40	1/4	630.82	1/4	270.24	1/4		1/4		1/4	
1/2	2,426.19	1/2	2,065.61	1/2	1,705.04	1/2	1,344.46	1/2	983.89	1/2	623.31	1/2	262.73	1/2		1/2		1/2	
3/4	2,418.68	3/4	2,058.10	3/4	1,697.53	3/4	1,336.95	3/4	976.38	3/4	615.80	3/4	255.22	3/4		3/4		3/4	
7	2,411.16	7	2,050.59	7	1,690.01	7	1,329.43	7	968.86	7	608.28	7	247.71	7		7		7	
1/4	2,403.65	1/4	2,043.08	1/4	1,682.50	1/4	1,321.92	1/4	961.35	1/4	600.77	1/4	240.20	1/4		1/4		1/4	
1/2	2,396.14	1/2	2,035.57	1/2	1,674.99	1/2	1,314.41	1/2	953.84	1/2	593.26	1/2	232.69	1/2		1/2		1/2	
3/4	2,388.63	3/4	2,028.06	3/4	1,667.48	3/4	1,306.90	3/4	946.33	3/4	585.75	3/4	225.18	3/4		3/4		3/4	
8	2,381.11	8	2,020.54	8	1,659.96	8	1,299.39	8	938.81	8	578.23	8	217.66	8		8		8	
1/4	2,373.60	1/4	2,013.03	1/4	1,652.45	1/4	1,291.88	1/4	931.30	1/4	570.72	1/4	210.15	1/4		1/4		1/4	
1/2	2,366.09	1/2	2,005.52	1/2	1,644.94	1/2	1,284.37	1/2	923.79	1/2	563.21	1/2	202.64	1/2		1/2		1/2	
3/4	2,358.58	3/4	1,998.01	3/4	1,637.43	3/4	1,276.86	3/4	916.28	3/4	555.70	3/4	195.13	3/4		3/4		3/4	
9	2,351.07	9	1,990.49	9	1,629.91	9	1,269.34	9	908.76	9	548.19	9	187.61	9		9		9	
1/4	2,343.56	1/4	1,982.98	1/4	1,622.40	1/4	1,261.83	1/4	901.25	1/4	540.68	1/4	180.10	1/4		1/4		1/4	
1/2	2,336.05	1/2	1,975.47	1/2	1,614.89	1/2	1,254.32	1/2	893.74	1/2	533.17	1/2	173.07	1/2		1/2		1/2	
3/4	2,328.54	3/4	1,967.96	3/4	1,607.38	3/4	1,246.81	3/4	886.23	3/4	525.66	3/4	166.03	3/4		3/4		3/4	
10	2,321.02	10	1,960.44	10	1,599.87	10	1,239.29	10	878.71	10	518.14	10	159.00	10		10		10	
1/4	2,313.51	1/4	1,952.93	1/4	1,592.36	1/4	1,231.78	1/4	871.20	1/4	510.63	1/4	151.96	1/4		1/4		1/4	
1/2	2,306.00	1/2	1,945.42	1/2	1,584.85	1/2	1,224.27	1/2	863.69	1/2	503.12	1/2	145.08	1/2		1/2		1/2	
3/4	2,298.49	3/4	1,937.91	3/4	1,577.34	3/4	1,216.76	3/4	856.18	3/4	495.61	3/4	138.21	3/4		3/4		3/4	
11	2,290.97	11	1,930.39	11	1,569.82	11	1,209.24	11	848.67	11	488.09	11	131.33	11		11		11	
1/4	2,283.46	1/4	1,922.88	1/4	1,562.31	1/4	1,201.73	1/4	841.16	1/4	480.58	1/4	124.45	1/4		1/4		1/4	
1/2	2,275.95	1/2	1,915.37	1/2	1,554.80	1/2	1,194.22	1/2	833.65	1/2	473.07	1/2	117.57	1/2		1/2		1/2	
3/4	2,268.44	3/4	1,907.86	3/4	1,547.29	3/4	1,186.71	3/4	826.14	3/4	465.56	3/4	110.70	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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PRECISION MEASUREMENT
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Pearland, Texas 77588
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BARGE "HTCO 3078"

2 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 17'-03 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,773.37	0	4,416.87	0	4,056.29	0	3,695.72	0	3,335.14	0	2,974.56
1/4		1/4		1/4		1/4		1/4	4,766.23	1/4	4,409.36	1/4	4,048.78	1/4	3,688.21	1/4	3,327.63	1/4	2,967.05
1/2		1/2		1/2		1/2		1/2	4,759.09	1/2	4,401.85	1/2	4,041.27	1/2	3,680.70	1/2	3,320.12	1/2	2,959.54
3/4		3/4		3/4		3/4		3/4	5,080.92	3/4	4,751.95	3/4	4,394.33	3/4	4,033.75	3/4	3,673.18	3/4	3,312.60
1		1		1		1		1	5,076.66	1	4,744.81	1	4,386.82	1	4,026.24	1	3,665.67	1	3,305.09
1/4		1/4		1/4		1/4		1/4	5,071.34	1/4	4,737.67	1/4	4,379.31	1/4	4,018.73	1/4	3,658.16	1/4	3,297.58
1/2		1/2		1/2		1/2		1/2	5,066.01	1/2	4,730.53	1/2	4,371.80	1/2	4,011.22	1/2	3,650.65	1/2	3,290.07
3/4		3/4		3/4		3/4		3/4	5,060.69	3/4	4,723.38	3/4	4,364.28	3/4	4,003.71	3/4	3,643.13	3/4	3,282.55
2		2		2		2		2	5,055.36	2	4,716.24	2	4,356.77	2	3,996.20	2	3,635.62	2	3,275.04
1/4		1/4		1/4		1/4		1/4	5,049.01	1/4	4,709.01	1/4	4,349.26	1/4	3,988.69	1/4	3,628.11	1/4	3,267.53
1/2		1/2		1/2		1/2		1/2	5,042.66	1/2	4,701.77	1/2	4,341.75	1/2	3,981.18	1/2	3,620.60	1/2	3,260.02
3/4		3/4		3/4		3/4		3/4	5,036.30	3/4	4,694.54	3/4	4,334.23	3/4	3,973.66	3/4	3,613.08	3/4	3,252.51
3		3		3		3		3	5,029.95	3	4,687.30	3	4,326.72	3	3,966.15	3	3,605.57	3	3,245.00
1/4		1/4		1/4		1/4		1/4	5,022.94	1/4	4,679.79	1/4	4,319.21	1/4	3,958.64	1/4	3,598.06	1/4	3,237.49
1/2		1/2		1/2		1/2		1/2	5,015.94	1/2	4,672.28	1/2	4,311.70	1/2	3,951.13	1/2	3,590.55	1/2	3,229.98
3/4		3/4		3/4		3/4		3/4	5,008.93	3/4	4,664.76	3/4	4,304.19	3/4	3,943.61	3/4	3,583.03	3/4	3,222.46
4		4		4		4		4	5,001.92	4	4,657.25	4	4,296.68	4	3,936.10	4	3,575.52	4	3,214.95
1/4		1/4		1/4		1/4		1/4	4,994.78	1/4	4,649.74	1/4	4,289.17	1/4	3,928.59	1/4	3,568.01	1/4	3,207.44
1/2		1/2		1/2		1/2		1/2	4,987.64	1/2	4,642.23	1/2	4,281.66	1/2	3,921.08	1/2	3,560.50	1/2	3,199.93
3/4		3/4		3/4		3/4		3/4	4,980.49	3/4	4,634.71	3/4	4,274.14	3/4	3,913.56	3/4	3,552.99	3/4	3,192.41
5		5		5		5		5	4,973.35	5	4,627.20	5	4,266.63	5	3,906.05	5	3,545.48	5	3,184.90
1/4		1/4		1/4		1/4		1/4	4,966.21	1/4	4,619.69	1/4	4,259.12	1/4	3,898.54	1/4	3,537.97	1/4	3,177.39
1/2		1/2		1/2		1/2		1/2	4,959.07	1/2	4,612.18	1/2	4,251.61	1/2	3,891.03	1/2	3,530.46	1/2	3,169.88
3/4		3/4		3/4		3/4		3/4	4,951.92	3/4	4,604.67	3/4	4,244.09	3/4	3,883.51	3/4	3,522.94	3/4	3,162.36
6		6		6		6		6	4,944.78	6	4,597.16	6	4,236.58	6	3,876.00	6	3,515.43	6	3,154.85
1/4		1/4		1/4		1/4		1/4	4,937.64	1/4	4,589.65	1/4	4,229.07	1/4	3,868.49	1/4	3,507.92	1/4	3,147.34
1/2		1/2		1/2		1/2		1/2	4,930.50	1/2	4,582.14	1/2	4,221.56	1/2	3,860.98	1/2	3,500.41	1/2	3,139.83
3/4		3/4		3/4		3/4		3/4	4,923.35	3/4	4,574.62	3/4	4,214.04	3/4	3,853.47	3/4	3,492.89	3/4	3,132.31
7		7		7		7		7	4,916.21	7	4,567.11	7	4,206.53	7	3,845.96	7	3,485.38	7	3,124.80
1/4		1/4		1/4		1/4		1/4	4,909.07	1/4	4,559.60	1/4	4,199.02	1/4	3,838.45	1/4	3,477.87	1/4	3,117.29
1/2		1/2		1/2		1/2		1/2	4,901.93	1/2	4,552.09	1/2	4,191.51	1/2	3,830.94	1/2	3,470.36	1/2	3,109.78
3/4		3/4		3/4		3/4		3/4	4,894.79	3/4	4,544.57	3/4	4,183.99	3/4	3,823.42	3/4	3,462.84	3/4	3,102.27
8		8		8		8		8	4,887.65	8	4,537.06	8	4,176.48	8	3,815.91	8	3,455.33	8	3,094.76
1/4		1/4		1/4		1/4		1/4	4,880.51	1/4	4,529.55	1/4	4,168.97	1/4	3,808.40	1/4	3,447.82	1/4	3,087.25
1/2		1/2		1/2		1/2		1/2	4,873.37	1/2	4,522.04	1/2	4,161.46	1/2	3,800.89	1/2	3,440.31	1/2	3,079.74
3/4		3/4		3/4		3/4		3/4	4,866.22	3/4	4,514.52	3/4	4,153.95	3/4	3,793.37	3/4	3,432.79	3/4	3,072.22
9		9		9		9		9	4,859.08	9	4,507.01	9	4,146.44	9	3,785.86	9	3,425.28	9	3,064.71
1/4		1/4		1/4		1/4		1/4	4,851.94	1/4	4,499.50	1/4	4,138.93	1/4	3,778.35	1/4	3,417.77	1/4	3,057.20
1/2		1/2		1/2		1/2		1/2	4,844.80	1/2	4,491.99	1/2	4,131.42	1/2	3,770.84	1/2	3,410.26	1/2	3,049.69
3/4		3/4		3/4		3/4		3/4	4,837.65	3/4	4,484.47	3/4	4,123.90	3/4	3,763.32	3/4	3,402.75	3/4	3,042.17
10		10		10		10		10	4,830.51	10	4,476.96	10	4,116.39	10	3,755.81	10	3,395.24	10	3,034.66
1/4		1/4		1/4		1/4		1/4	4,823.37	1/4	4,469.45	1/4	4,108.88	1/4	3,748.30	1/4	3,387.73	1/4	3,027.15
1/2		1/2		1/2		1/2		1/2	4,816.23	1/2	4,461.94	1/2	4,101.37	1/2	3,740.79	1/2	3,380.22	1/2	3,019.64
3/4		3/4		3/4		3/4		3/4	4,809.08	3/4	4,454.43	3/4	4,093.85	3/4	3,733.27	3/4	3,372.70	3/4	3,012.12
11		11		11		11		11	4,801.94	11	4,446.92	11	4,086.34	11	3,725.76	11	3,365.19	11	3,004.61
1/4		1/4		1/4		1/4		1/4	4,794.80	1/4	4,439.41	1/4	4,078.83	1/4	3,718.25	1/4	3,357.68	1/4	2,997.10
1/2		1/2		1/2		1/2		1/2	4,787.66	1/2	4,431.90	1/2	4,071.32	1/2	3,710.74	1/2	3,350.17	1/2	2,989.59
3/4		3/4		3/4		3/4		3/4	4,780.51	3/4	4,424.38	3/4	4,063.80	3/4	3,703.23	3/4	3,342.65	3/4	2,982.07

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 46'-03" 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 3078"

3 STBD
ULLAGE TABLE
HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/4"

Table with 18 columns (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.) and multiple rows of capacity data.

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 45'-09" FORWARD OF AFT BULKHEAD.

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Signature of PMA representative

