



# BARGE "HTCO 3073"

ULLAGE (HERMETIC)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-1/4	- 01-1/4
1 STBD	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-1/4	- 01-1/4
2 PORT	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/8	- 01-1/8
2 STBD	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/8	- 01-1/8
3 PORT	01-1/8	- 01-1/8	02-3/8	- 02-3/8	03-1/2	- 03-1/2	04-3/4	- 04-3/4	05-7/8	- 05-7/8	07-0/8	- 07-0/8
3 STBD	01-1/8	- 01-1/8	02-3/8	- 02-3/8	03-1/2	- 03-1/2	04-3/4	- 04-3/4	05-7/8	- 05-7/8	07-0/8	- 07-0/8

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

LENGTH BETWEEN DRAFT MARKS: 238'-00"

December 3, 2019

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "HTCO 3073"

## 1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0		0		0		0		0	4,731.96	0	4,374.84	0	4,017.72	0	3,660.60	0	3,303.48	0	2,946.36		
1/4		1/4		1/4		1/4		1/4	4,724.52	1/4	4,367.40	1/4	4,010.28	1/4	3,653.16	1/4	3,296.04	1/4	2,938.92		
1/2		1/2		1/2		1/2		1/2	4,717.08	1/2	4,359.96	1/2	4,002.84	1/2	3,645.72	1/2	3,288.60	1/2	2,931.48		
3/4		3/4		3/4		3/4		3/4	4,709.64	3/4	4,352.52	3/4	3,995.40	3/4	3,638.28	3/4	3,281.16	3/4	2,924.04		
1		1		1		1		1	4,702.20	1	4,345.08	1	3,987.96	1	3,630.84	1	3,273.72	1	2,916.60		
1/4		1/4		1/4		1/4		1/4	5,038.86	1/4	4,694.76	1/4	4,337.64	1/4	3,980.52	1/4	3,623.40	1/4	3,266.28	1/4	2,909.16
1/2		1/2		1/2		1/2		1/2	5,034.34	1/2	4,687.32	1/2	4,330.20	1/2	3,973.08	1/2	3,615.96	1/2	3,258.84	1/2	2,901.72
3/4		3/4		3/4		3/4		3/4	5,028.68	3/4	4,679.88	3/4	4,322.76	3/4	3,965.64	3/4	3,608.52	3/4	3,251.40	3/4	2,894.28
2		2		2		2		2	5,023.03	2	4,672.44	2	4,315.32	2	3,958.20	2	3,601.08	2	3,243.96	2	2,886.84
1/4		1/4		1/4		1/4		1/4	5,017.37	1/4	4,665.00	1/4	4,307.88	1/4	3,950.76	1/4	3,593.64	1/4	3,236.52	1/4	2,879.40
1/2		1/2		1/2		1/2		1/2	5,011.71	1/2	4,657.56	1/2	4,300.44	1/2	3,943.32	1/2	3,586.20	1/2	3,229.08	1/2	2,871.96
3/4		3/4		3/4		3/4		3/4	5,004.92	3/4	4,650.12	3/4	4,293.00	3/4	3,935.88	3/4	3,578.76	3/4	3,221.64	3/4	2,864.52
3		3		3		3		3	4,998.13	3	4,642.68	3	4,285.56	3	3,928.44	3	3,571.32	3	3,214.20	3	2,857.08
1/4		1/4		1/4		1/4		1/4	4,991.34	1/4	4,635.24	1/4	4,278.12	1/4	3,921.00	1/4	3,563.88	1/4	3,206.76	1/4	2,849.64
1/2		1/2		1/2		1/2		1/2	4,984.55	1/2	4,627.80	1/2	4,270.68	1/2	3,913.56	1/2	3,556.44	1/2	3,199.32	1/2	2,842.20
3/4		3/4		3/4		3/4		3/4	4,977.20	3/4	4,620.36	3/4	4,263.24	3/4	3,906.12	3/4	3,549.00	3/4	3,191.88	3/4	2,834.76
4		4		4		4		4	4,969.86	4	4,612.92	4	4,255.80	4	3,898.68	4	3,541.56	4	3,184.44	4	2,827.32
1/4		1/4		1/4		1/4		1/4	4,962.51	1/4	4,605.48	1/4	4,248.36	1/4	3,891.24	1/4	3,534.12	1/4	3,177.00	1/4	2,819.88
1/2		1/2		1/2		1/2		1/2	4,955.16	1/2	4,598.04	1/2	4,240.92	1/2	3,883.80	1/2	3,526.68	1/2	3,169.56	1/2	2,812.44
3/4		3/4		3/4		3/4		3/4	4,947.72	3/4	4,590.60	3/4	4,233.48	3/4	3,876.36	3/4	3,519.24	3/4	3,162.12	3/4	2,805.00
5		5		5		5		5	4,940.28	5	4,583.16	5	4,226.04	5	3,868.92	5	3,511.80	5	3,154.68	5	2,797.56
1/4		1/4		1/4		1/4		1/4	4,932.84	1/4	4,575.72	1/4	4,218.60	1/4	3,861.48	1/4	3,504.36	1/4	3,147.24	1/4	2,790.12
1/2		1/2		1/2		1/2		1/2	4,925.40	1/2	4,568.28	1/2	4,211.16	1/2	3,854.04	1/2	3,496.92	1/2	3,139.80	1/2	2,782.68
3/4		3/4		3/4		3/4		3/4	4,917.96	3/4	4,560.84	3/4	4,203.72	3/4	3,846.60	3/4	3,489.48	3/4	3,132.36	3/4	2,775.24
6		6		6		6		6	4,910.52	6	4,553.40	6	4,196.28	6	3,839.16	6	3,482.04	6	3,124.92	6	2,767.80
1/4		1/4		1/4		1/4		1/4	4,903.08	1/4	4,545.96	1/4	4,188.84	1/4	3,831.72	1/4	3,474.60	1/4	3,117.48	1/4	2,760.36
1/2		1/2		1/2		1/2		1/2	4,895.64	1/2	4,538.52	1/2	4,181.40	1/2	3,824.28	1/2	3,467.16	1/2	3,110.04	1/2	2,752.92
3/4		3/4		3/4		3/4		3/4	4,888.20	3/4	4,531.08	3/4	4,173.96	3/4	3,816.84	3/4	3,459.72	3/4	3,102.60	3/4	2,745.48
7		7		7		7		7	4,880.76	7	4,523.64	7	4,166.52	7	3,809.40	7	3,452.28	7	3,095.16	7	2,738.04
1/4		1/4		1/4		1/4		1/4	4,873.32	1/4	4,516.20	1/4	4,159.08	1/4	3,801.96	1/4	3,444.84	1/4	3,087.72	1/4	2,730.60
1/2		1/2		1/2		1/2		1/2	4,865.88	1/2	4,508.76	1/2	4,151.64	1/2	3,794.52	1/2	3,437.40	1/2	3,080.28	1/2	2,723.16
3/4		3/4		3/4		3/4		3/4	4,858.44	3/4	4,501.32	3/4	4,144.20	3/4	3,787.08	3/4	3,429.96	3/4	3,072.84	3/4	2,715.72
8		8		8		8		8	4,851.00	8	4,493.88	8	4,136.76	8	3,779.64	8	3,422.52	8	3,065.40	8	2,708.28
1/4		1/4		1/4		1/4		1/4	4,843.56	1/4	4,486.44	1/4	4,129.32	1/4	3,772.20	1/4	3,415.08	1/4	3,057.96	1/4	2,700.84
1/2		1/2		1/2		1/2		1/2	4,836.12	1/2	4,479.00	1/2	4,121.88	1/2	3,764.76	1/2	3,407.64	1/2	3,050.52	1/2	2,693.40
3/4		3/4		3/4		3/4		3/4	4,828.68	3/4	4,471.56	3/4	4,114.44	3/4	3,757.32	3/4	3,400.20	3/4	3,043.08	3/4	2,685.96
9		9		9		9		9	4,821.24	9	4,464.12	9	4,107.00	9	3,749.88	9	3,392.76	9	3,035.64	9	2,678.52
1/4		1/4		1/4		1/4		1/4	4,813.80	1/4	4,456.68	1/4	4,099.56	1/4	3,742.44	1/4	3,385.32	1/4	3,028.20	1/4	2,671.08
1/2		1/2		1/2		1/2		1/2	4,806.36	1/2	4,449.24	1/2	4,092.12	1/2	3,735.00	1/2	3,377.88	1/2	3,020.76	1/2	2,663.64
3/4		3/4		3/4		3/4		3/4	4,798.92	3/4	4,441.80	3/4	4,084.68	3/4	3,727.56	3/4	3,370.44	3/4	3,013.32	3/4	2,656.20
10		10		10		10		10	4,791.48	10	4,434.36	10	4,077.24	10	3,720.12	10	3,363.00	10	3,005.88	10	2,648.76
1/4		1/4		1/4		1/4		1/4	4,784.04	1/4	4,426.92	1/4	4,069.80	1/4	3,712.68	1/4	3,355.56	1/4	2,998.44	1/4	2,641.32
1/2		1/2		1/2		1/2		1/2	4,776.60	1/2	4,419.48	1/2	4,062.36	1/2	3,705.24	1/2	3,348.12	1/2	2,991.00	1/2	2,633.88
3/4		3/4		3/4		3/4		3/4	4,769.16	3/4	4,412.04	3/4	4,054.92	3/4	3,697.80	3/4	3,340.68	3/4	2,983.56	3/4	2,626.44
11		11		11		11		11	4,761.72	11	4,404.60	11	4,047.48	11	3,690.36	11	3,333.24	11	2,976.12	11	2,619.00
1/4		1/4		1/4		1/4		1/4	4,754.28	1/4	4,397.16	1/4	4,040.04	1/4	3,682.92	1/4	3,325.80	1/4	2,968.68	1/4	2,611.56
1/2		1/2		1/2		1/2		1/2	4,746.84	1/2	4,389.72	1/2	4,032.60	1/2	3,675.48	1/2	3,318.36	1/2	2,961.24	1/2	2,604.12
3/4		3/4		3/4		3/4		3/4	4,739.40	3/4	4,382.28	3/4	4,025.16	3/4	3,668.04	3/4	3,310.92	3/4	2,953.80	3/4	2,596.68

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" DEVICE  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 47'-03" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
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# BARGE "HTCO 3073"

## 1 PORT ULLAGE TABLE HERMETIC

GUAGE HEIGHT 17'-03 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,589.24	0	2,232.12	0	1,875.00	0	1,517.88	0	1,160.76	0	803.64	0	445.47	0	105.67	0			
1/4	2,581.80	1/4	2,224.68	1/4	1,867.56	1/4	1,510.44	1/4	1,153.32	1/4	796.20	1/4	437.98	1/4	99.18	1/4			
1/2	2,574.36	1/2	2,217.24	1/2	1,860.12	1/2	1,503.00	1/2	1,145.88	1/2	788.76	1/2	430.50	1/2	92.68	1/2			
3/4	2,566.92	3/4	2,209.80	3/4	1,852.68	3/4	1,495.56	3/4	1,138.44	3/4	781.32	3/4	423.05	3/4	86.22	3/4			
1	2,559.48	1	2,202.36	1	1,845.24	1	1,488.12	1	1,131.00	1	773.88	1	415.60	1	79.75	1			
1/4	2,552.04	1/4	2,194.92	1/4	1,837.80	1/4	1,480.68	1/4	1,123.56	1/4	766.44	1/4	408.14	1/4	73.29	1/4			
1/2	2,544.60	1/2	2,187.48	1/2	1,830.36	1/2	1,473.24	1/2	1,116.12	1/2	759.00	1/2	400.69	1/2	66.82	1/2			
3/4	2,537.16	3/4	2,180.04	3/4	1,822.92	3/4	1,465.80	3/4	1,108.68	3/4	751.56	3/4	393.33	3/4	60.56	3/4			
2	2,529.72	2	2,172.60	2	1,815.48	2	1,458.36	2	1,101.24	2	744.12	2	385.98	2	54.30	2			
1/4	2,522.28	1/4	2,165.16	1/4	1,808.04	1/4	1,450.92	1/4	1,093.80	1/4	736.68	1/4	378.62	1/4	48.04	1/4			
1/2	2,514.84	1/2	2,157.72	1/2	1,800.60	1/2	1,443.48	1/2	1,086.36	1/2	729.24	1/2	371.26	1/2	41.78	1/2			
3/4	2,507.40	3/4	2,150.28	3/4	1,793.16	3/4	1,436.04	3/4	1,078.92	3/4	721.80	3/4	363.93	3/4	36.84	3/4			
3	2,499.96	3	2,142.84	3	1,785.72	3	1,428.60	3	1,071.48	3	714.36	3	356.60	3	31.91	3			
1/4	2,492.52	1/4	2,135.40	1/4	1,778.28	1/4	1,421.16	1/4	1,064.04	1/4	706.92	1/4	349.27	1/4	26.97	1/4			
1/2	2,485.08	1/2	2,127.96	1/2	1,770.84	1/2	1,413.72	1/2	1,056.60	1/2	699.48	1/2	341.94	1/2	22.03	1/2			
3/4	2,477.64	3/4	2,120.52	3/4	1,763.40	3/4	1,406.28	3/4	1,049.16	3/4	692.04	3/4	334.71	3/4	18.62	3/4			
4	2,470.20	4	2,113.08	4	1,755.96	4	1,398.84	4	1,041.72	4	684.60	4	327.47	4		4			
1/4	2,462.76	1/4	2,105.64	1/4	1,748.52	1/4	1,391.40	1/4	1,034.28	1/4	677.16	1/4	320.24	1/4		1/4			
1/2	2,455.32	1/2	2,098.20	1/2	1,741.08	1/2	1,383.96	1/2	1,026.84	1/2	669.72	1/2	313.00	1/2		1/2			
3/4	2,447.88	3/4	2,090.76	3/4	1,733.64	3/4	1,376.52	3/4	1,019.40	3/4	662.28	3/4	305.80	3/4		3/4			
5	2,440.44	5	2,083.32	5	1,726.20	5	1,369.08	5	1,011.96	5	654.84	5	298.60	5		5			
1/4	2,433.00	1/4	2,075.88	1/4	1,718.76	1/4	1,361.64	1/4	1,004.52	1/4	647.40	1/4	291.39	1/4		1/4			
1/2	2,425.56	1/2	2,068.44	1/2	1,711.32	1/2	1,354.20	1/2	997.08	1/2	639.96	1/2	284.19	1/2		1/2			
3/4	2,418.12	3/4	2,061.00	3/4	1,703.88	3/4	1,346.76	3/4	989.64	3/4	632.52	3/4	277.08	3/4		3/4			
6	2,410.68	6	2,053.56	6	1,696.44	6	1,339.32	6	982.20	6	625.08	6	269.98	6		6			
1/4	2,403.24	1/4	2,046.12	1/4	1,689.00	1/4	1,331.88	1/4	974.76	1/4	617.64	1/4	262.87	1/4		1/4			
1/2	2,395.80	1/2	2,038.68	1/2	1,681.56	1/2	1,324.44	1/2	967.32	1/2	610.20	1/2	255.76	1/2		1/2			
3/4	2,388.36	3/4	2,031.24	3/4	1,674.12	3/4	1,317.00	3/4	959.88	3/4	602.76	3/4	248.68	3/4		3/4			
7	2,380.92	7	2,023.80	7	1,666.68	7	1,309.56	7	952.44	7	595.32	7	241.61	7		7			
1/4	2,373.48	1/4	2,016.36	1/4	1,659.24	1/4	1,302.12	1/4	945.00	1/4	587.88	1/4	234.53	1/4		1/4			
1/2	2,366.04	1/2	2,008.92	1/2	1,651.80	1/2	1,294.68	1/2	937.56	1/2	580.44	1/2	227.45	1/2		1/2			
3/4	2,358.60	3/4	2,001.48	3/4	1,644.36	3/4	1,287.24	3/4	930.12	3/4	573.00	3/4	220.47	3/4		3/4			
8	2,351.16	8	1,994.04	8	1,636.92	8	1,279.80	8	922.68	8	565.56	8	213.49	8		8			
1/4	2,343.72	1/4	1,986.60	1/4	1,629.48	1/4	1,272.36	1/4	915.24	1/4	558.12	1/4	206.50	1/4		1/4			
1/2	2,336.28	1/2	1,979.16	1/2	1,622.04	1/2	1,264.92	1/2	907.80	1/2	550.68	1/2	199.52	1/2		1/2			
3/4	2,328.84	3/4	1,971.72	3/4	1,614.60	3/4	1,257.48	3/4	900.36	3/4	543.24	3/4	192.57	3/4		3/4			
9	2,321.40	9	1,964.28	9	1,607.16	9	1,250.04	9	892.92	9	535.80	9	185.62	9		9			
1/4	2,313.96	1/4	1,956.84	1/4	1,599.72	1/4	1,242.60	1/4	885.48	1/4	528.36	1/4	178.66	1/4		1/4			
1/2	2,306.52	1/2	1,949.40	1/2	1,592.28	1/2	1,235.16	1/2	878.04	1/2	520.92	1/2	171.71	1/2		1/2			
3/4	2,299.08	3/4	1,941.96	3/4	1,584.84	3/4	1,227.72	3/4	870.60	3/4	513.38	3/4	165.03	3/4		3/4			
10	2,291.64	10	1,934.52	10	1,577.40	10	1,220.28	10	863.16	10	505.84	10	158.36	10		10			
1/4	2,284.20	1/4	1,927.08	1/4	1,569.96	1/4	1,212.84	1/4	855.72	1/4	498.29	1/4	151.68	1/4		1/4			
1/2	2,276.76	1/2	1,919.64	1/2	1,562.52	1/2	1,205.40	1/2	848.28	1/2	490.75	1/2	145.00	1/2		1/2			
3/4	2,269.32	3/4	1,912.20	3/4	1,555.08	3/4	1,197.96	3/4	840.84	3/4	483.17	3/4	138.42	3/4		3/4			
11	2,261.88	11	1,904.76	11	1,547.64	11	1,190.52	11	833.40	11	475.59	11	131.83	11		11			
1/4	2,254.44	1/4	1,897.32	1/4	1,540.20	1/4	1,183.08	1/4	825.96	1/4	468.01	1/4	125.25	1/4		1/4			
1/2	2,247.00	1/2	1,889.88	1/2	1,532.76	1/2	1,175.64	1/2	818.52	1/2	460.43	1/2	118.66	1/2		1/2			
3/4	2,239.56	3/4	1,882.44	3/4	1,525.32	3/4	1,168.20	3/4	811.08	3/4	452.95	3/4	112.17	3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/25/2009 INS  
RECALCULATED: 12/02/2019 CL  
REPRINTED: 12/03/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
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# BARGE "HTCO 3073"

## 1 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0		0		0		0		0	4,731.96	0	4,374.84	0	4,017.72	0	3,660.60	0	3,303.48	0	2,946.36		
1/4		1/4		1/4		1/4		1/4	4,724.52	1/4	4,367.40	1/4	4,010.28	1/4	3,653.16	1/4	3,296.04	1/4	2,938.92		
1/2		1/2		1/2		1/2		1/2	4,717.08	1/2	4,359.96	1/2	4,002.84	1/2	3,645.72	1/2	3,288.60	1/2	2,931.48		
3/4		3/4		3/4		3/4		3/4	4,709.64	3/4	4,352.52	3/4	3,995.40	3/4	3,638.28	3/4	3,281.16	3/4	2,924.04		
1		1		1		1		1	4,702.20	1	4,345.08	1	3,987.96	1	3,630.84	1	3,273.72	1	2,916.60		
1/4		1/4		1/4		1/4		1/4	5,038.86	1/4	4,694.76	1/4	4,337.64	1/4	3,980.52	1/4	3,623.40	1/4	3,266.28	1/4	2,909.16
1/2		1/2		1/2		1/2		1/2	5,034.34	1/2	4,687.32	1/2	4,330.20	1/2	3,973.08	1/2	3,615.96	1/2	3,258.84	1/2	2,901.72
3/4		3/4		3/4		3/4		3/4	5,028.68	3/4	4,679.88	3/4	4,322.76	3/4	3,965.64	3/4	3,608.52	3/4	3,251.40	3/4	2,894.28
2		2		2		2		2	5,023.03	2	4,672.44	2	4,315.32	2	3,958.20	2	3,601.08	2	3,243.96	2	2,886.84
1/4		1/4		1/4		1/4		1/4	5,017.37	1/4	4,665.00	1/4	4,307.88	1/4	3,950.76	1/4	3,593.64	1/4	3,236.52	1/4	2,879.40
1/2		1/2		1/2		1/2		1/2	5,011.71	1/2	4,657.56	1/2	4,300.44	1/2	3,943.32	1/2	3,586.20	1/2	3,229.08	1/2	2,871.96
3/4		3/4		3/4		3/4		3/4	5,004.92	3/4	4,650.12	3/4	4,293.00	3/4	3,935.88	3/4	3,578.76	3/4	3,221.64	3/4	2,864.52
3		3		3		3		3	4,998.13	3	4,642.68	3	4,285.56	3	3,928.44	3	3,571.32	3	3,214.20	3	2,857.08
1/4		1/4		1/4		1/4		1/4	4,991.34	1/4	4,635.24	1/4	4,278.12	1/4	3,921.00	1/4	3,563.88	1/4	3,206.76	1/4	2,849.64
1/2		1/2		1/2		1/2		1/2	4,984.55	1/2	4,627.80	1/2	4,270.68	1/2	3,913.56	1/2	3,556.44	1/2	3,199.32	1/2	2,842.20
3/4		3/4		3/4		3/4		3/4	4,977.20	3/4	4,620.36	3/4	4,263.24	3/4	3,906.12	3/4	3,549.00	3/4	3,191.88	3/4	2,834.76
4		4		4		4		4	4,969.86	4	4,612.92	4	4,255.80	4	3,898.68	4	3,541.56	4	3,184.44	4	2,827.32
1/4		1/4		1/4		1/4		1/4	4,962.51	1/4	4,605.48	1/4	4,248.36	1/4	3,891.24	1/4	3,534.12	1/4	3,177.00	1/4	2,819.88
1/2		1/2		1/2		1/2		1/2	4,955.16	1/2	4,598.04	1/2	4,240.92	1/2	3,883.80	1/2	3,526.68	1/2	3,169.56	1/2	2,812.44
3/4		3/4		3/4		3/4		3/4	4,947.72	3/4	4,590.60	3/4	4,233.48	3/4	3,876.36	3/4	3,519.24	3/4	3,162.12	3/4	2,805.00
5		5		5		5		5	4,940.28	5	4,583.16	5	4,226.04	5	3,868.92	5	3,511.80	5	3,154.68	5	2,797.56
1/4		1/4		1/4		1/4		1/4	4,932.84	1/4	4,575.72	1/4	4,218.60	1/4	3,861.48	1/4	3,504.36	1/4	3,147.24	1/4	2,790.12
1/2		1/2		1/2		1/2		1/2	4,925.40	1/2	4,568.28	1/2	4,211.16	1/2	3,854.04	1/2	3,496.92	1/2	3,139.80	1/2	2,782.68
3/4		3/4		3/4		3/4		3/4	4,917.96	3/4	4,560.84	3/4	4,203.72	3/4	3,846.60	3/4	3,489.48	3/4	3,132.36	3/4	2,775.24
6		6		6		6		6	4,910.52	6	4,553.40	6	4,196.28	6	3,839.16	6	3,482.04	6	3,124.92	6	2,767.80
1/4		1/4		1/4		1/4		1/4	4,903.08	1/4	4,545.96	1/4	4,188.84	1/4	3,831.72	1/4	3,474.60	1/4	3,117.48	1/4	2,760.36
1/2		1/2		1/2		1/2		1/2	4,895.64	1/2	4,538.52	1/2	4,181.40	1/2	3,824.28	1/2	3,467.16	1/2	3,110.04	1/2	2,752.92
3/4		3/4		3/4		3/4		3/4	4,888.20	3/4	4,531.08	3/4	4,173.96	3/4	3,816.84	3/4	3,459.72	3/4	3,102.60	3/4	2,745.48
7		7		7		7		7	4,880.76	7	4,523.64	7	4,166.52	7	3,809.40	7	3,452.28	7	3,095.16	7	2,738.04
1/4		1/4		1/4		1/4		1/4	4,873.32	1/4	4,516.20	1/4	4,159.08	1/4	3,801.96	1/4	3,444.84	1/4	3,087.72	1/4	2,730.60
1/2		1/2		1/2		1/2		1/2	4,865.88	1/2	4,508.76	1/2	4,151.64	1/2	3,794.52	1/2	3,437.40	1/2	3,080.28	1/2	2,723.16
3/4		3/4		3/4		3/4		3/4	4,858.44	3/4	4,501.32	3/4	4,144.20	3/4	3,787.08	3/4	3,429.96	3/4	3,072.84	3/4	2,715.72
8		8		8		8		8	4,851.00	8	4,493.88	8	4,136.76	8	3,779.64	8	3,422.52	8	3,065.40	8	2,708.28
1/4		1/4		1/4		1/4		1/4	4,843.56	1/4	4,486.44	1/4	4,129.32	1/4	3,772.20	1/4	3,415.08	1/4	3,057.96	1/4	2,700.84
1/2		1/2		1/2		1/2		1/2	4,836.12	1/2	4,479.00	1/2	4,121.88	1/2	3,764.76	1/2	3,407.64	1/2	3,050.52	1/2	2,693.40
3/4		3/4		3/4		3/4		3/4	4,828.68	3/4	4,471.56	3/4	4,114.44	3/4	3,757.32	3/4	3,400.20	3/4	3,043.08	3/4	2,685.96
9		9		9		9		9	4,821.24	9	4,464.12	9	4,107.00	9	3,749.88	9	3,392.76	9	3,035.64	9	2,678.52
1/4		1/4		1/4		1/4		1/4	4,813.80	1/4	4,456.68	1/4	4,099.56	1/4	3,742.44	1/4	3,385.32	1/4	3,028.20	1/4	2,671.08
1/2		1/2		1/2		1/2		1/2	4,806.36	1/2	4,449.24	1/2	4,092.12	1/2	3,735.00	1/2	3,377.88	1/2	3,020.76	1/2	2,663.64
3/4		3/4		3/4		3/4		3/4	4,798.92	3/4	4,441.80	3/4	4,084.68	3/4	3,727.56	3/4	3,370.44	3/4	3,013.32	3/4	2,656.20
10		10		10		10		10	4,791.48	10	4,434.36	10	4,077.24	10	3,720.12	10	3,363.00	10	3,005.88	10	2,648.76
1/4		1/4		1/4		1/4		1/4	4,784.04	1/4	4,426.92	1/4	4,069.80	1/4	3,712.68	1/4	3,355.56	1/4	2,998.44	1/4	2,641.32
1/2		1/2		1/2		1/2		1/2	4,776.60	1/2	4,419.48	1/2	4,062.36	1/2	3,705.24	1/2	3,348.12	1/2	2,991.00	1/2	2,633.88
3/4		3/4		3/4		3/4		3/4	4,769.16	3/4	4,412.04	3/4	4,054.92	3/4	3,697.80	3/4	3,340.68	3/4	2,983.56	3/4	2,626.44
11		11		11		11		11	4,761.72	11	4,404.60	11	4,047.48	11	3,690.36	11	3,333.24	11	2,976.12	11	2,619.00
1/4		1/4		1/4		1/4		1/4	4,754.28	1/4	4,397.16	1/4	4,040.04	1/4	3,682.92	1/4	3,325.80	1/4	2,968.68	1/4	2,611.56
1/2		1/2		1/2		1/2		1/2	4,746.84	1/2	4,389.72	1/2	4,032.60	1/2	3,675.48	1/2	3,318.36	1/2	2,961.24	1/2	2,604.12
3/4		3/4		3/4		3/4		3/4	4,739.40	3/4	4,382.28	3/4	4,025.16	3/4	3,668.04	3/4	3,310.92	3/4	2,953.80	3/4	2,596.68

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" DEVICE  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 47'-03" FORWARD OF AFT BULKHEAD

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



# BARGE "HTCO 3073"

1 STBD

ULLAGE TABLE  
HERMETIC

GAUGE HEIGHT 17'-03 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,589.24	0	2,232.12	0	1,875.00	0	1,517.88	0	1,160.76	0	803.64	0	445.47	0	105.67	0		0	
1/4	2,581.80	1/4	2,224.68	1/4	1,867.56	1/4	1,510.44	1/4	1,153.32	1/4	796.20	1/4	437.98	1/4	99.18	1/4		1/4	
1/2	2,574.36	1/2	2,217.24	1/2	1,860.12	1/2	1,503.00	1/2	1,145.88	1/2	788.76	1/2	430.50	1/2	92.68	1/2		1/2	
3/4	2,566.92	3/4	2,209.80	3/4	1,852.68	3/4	1,495.56	3/4	1,138.44	3/4	781.32	3/4	423.05	3/4	86.22	3/4		3/4	
1	2,559.48	1	2,202.36	1	1,845.24	1	1,488.12	1	1,131.00	1	773.88	1	415.60	1	79.75	1		1	
1/4	2,552.04	1/4	2,194.92	1/4	1,837.80	1/4	1,480.68	1/4	1,123.56	1/4	766.44	1/4	408.14	1/4	73.29	1/4		1/4	
1/2	2,544.60	1/2	2,187.48	1/2	1,830.36	1/2	1,473.24	1/2	1,116.12	1/2	759.00	1/2	400.69	1/2	66.82	1/2		1/2	
3/4	2,537.16	3/4	2,180.04	3/4	1,822.92	3/4	1,465.80	3/4	1,108.68	3/4	751.56	3/4	393.33	3/4	60.56	3/4		3/4	
2	2,529.72	2	2,172.60	2	1,815.48	2	1,458.36	2	1,101.24	2	744.12	2	385.98	2	54.30	2		2	
1/4	2,522.28	1/4	2,165.16	1/4	1,808.04	1/4	1,450.92	1/4	1,093.80	1/4	736.68	1/4	378.62	1/4	48.04	1/4		1/4	
1/2	2,514.84	1/2	2,157.72	1/2	1,800.60	1/2	1,443.48	1/2	1,086.36	1/2	729.24	1/2	371.26	1/2	41.78	1/2		1/2	
3/4	2,507.40	3/4	2,150.28	3/4	1,793.16	3/4	1,436.04	3/4	1,078.92	3/4	721.80	3/4	363.93	3/4	36.84	3/4		3/4	
3	2,499.96	3	2,142.84	3	1,785.72	3	1,428.60	3	1,071.48	3	714.36	3	356.60	3	31.91	3		3	
1/4	2,492.52	1/4	2,135.40	1/4	1,778.28	1/4	1,421.16	1/4	1,064.04	1/4	706.92	1/4	349.27	1/4	26.97	1/4		1/4	
1/2	2,485.08	1/2	2,127.96	1/2	1,770.84	1/2	1,413.72	1/2	1,056.60	1/2	699.48	1/2	341.94	1/2	22.03	1/2		1/2	
3/4	2,477.64	3/4	2,120.52	3/4	1,763.40	3/4	1,406.28	3/4	1,049.16	3/4	692.04	3/4	334.71	3/4	18.62	3/4		3/4	
4	2,470.20	4	2,113.08	4	1,755.96	4	1,398.84	4	1,041.72	4	684.60	4	327.47	4		4		4	
1/4	2,462.76	1/4	2,105.64	1/4	1,748.52	1/4	1,391.40	1/4	1,034.28	1/4	677.16	1/4	320.24	1/4		1/4		1/4	
1/2	2,455.32	1/2	2,098.20	1/2	1,741.08	1/2	1,383.96	1/2	1,026.84	1/2	669.72	1/2	313.00	1/2		1/2		1/2	
3/4	2,447.88	3/4	2,090.76	3/4	1,733.64	3/4	1,376.52	3/4	1,019.40	3/4	662.28	3/4	305.80	3/4		3/4		3/4	
5	2,440.44	5	2,083.32	5	1,726.20	5	1,369.08	5	1,011.96	5	654.84	5	298.60	5		5		5	
1/4	2,433.00	1/4	2,075.88	1/4	1,718.76	1/4	1,361.64	1/4	1,004.52	1/4	647.40	1/4	291.39	1/4		1/4		1/4	
1/2	2,425.56	1/2	2,068.44	1/2	1,711.32	1/2	1,354.20	1/2	997.08	1/2	639.96	1/2	284.19	1/2		1/2		1/2	
3/4	2,418.12	3/4	2,061.00	3/4	1,703.88	3/4	1,346.76	3/4	989.64	3/4	632.52	3/4	277.08	3/4		3/4		3/4	
6	2,410.68	6	2,053.56	6	1,696.44	6	1,339.32	6	982.20	6	625.08	6	269.98	6		6		6	
1/4	2,403.24	1/4	2,046.12	1/4	1,689.00	1/4	1,331.88	1/4	974.76	1/4	617.64	1/4	262.87	1/4		1/4		1/4	
1/2	2,395.80	1/2	2,038.68	1/2	1,681.56	1/2	1,324.44	1/2	967.32	1/2	610.20	1/2	255.76	1/2		1/2		1/2	
3/4	2,388.36	3/4	2,031.24	3/4	1,674.12	3/4	1,317.00	3/4	959.88	3/4	602.76	3/4	248.68	3/4		3/4		3/4	
7	2,380.92	7	2,023.80	7	1,666.68	7	1,309.56	7	952.44	7	595.32	7	241.61	7		7		7	
1/4	2,373.48	1/4	2,016.36	1/4	1,659.24	1/4	1,302.12	1/4	945.00	1/4	587.88	1/4	234.53	1/4		1/4		1/4	
1/2	2,366.04	1/2	2,008.92	1/2	1,651.80	1/2	1,294.68	1/2	937.56	1/2	580.44	1/2	227.45	1/2		1/2		1/2	
3/4	2,358.60	3/4	2,001.48	3/4	1,644.36	3/4	1,287.24	3/4	930.12	3/4	573.00	3/4	220.47	3/4		3/4		3/4	
8	2,351.16	8	1,994.04	8	1,636.92	8	1,279.80	8	922.68	8	565.56	8	213.49	8		8		8	
1/4	2,343.72	1/4	1,986.60	1/4	1,629.48	1/4	1,272.36	1/4	915.24	1/4	558.12	1/4	206.50	1/4		1/4		1/4	
1/2	2,336.28	1/2	1,979.16	1/2	1,622.04	1/2	1,264.92	1/2	907.80	1/2	550.68	1/2	199.52	1/2		1/2		1/2	
3/4	2,328.84	3/4	1,971.72	3/4	1,614.60	3/4	1,257.48	3/4	900.36	3/4	543.24	3/4	192.57	3/4		3/4		3/4	
9	2,321.40	9	1,964.28	9	1,607.16	9	1,250.04	9	892.92	9	535.80	9	185.62	9		9		9	
1/4	2,313.96	1/4	1,956.84	1/4	1,599.72	1/4	1,242.60	1/4	885.48	1/4	528.36	1/4	178.66	1/4		1/4		1/4	
1/2	2,306.52	1/2	1,949.40	1/2	1,592.28	1/2	1,235.16	1/2	878.04	1/2	520.92	1/2	171.71	1/2		1/2		1/2	
3/4	2,299.08	3/4	1,941.96	3/4	1,584.84	3/4	1,227.72	3/4	870.60	3/4	513.38	3/4	165.03	3/4		3/4		3/4	
10	2,291.64	10	1,934.52	10	1,577.40	10	1,220.28	10	863.16	10	505.84	10	158.36	10		10		10	
1/4	2,284.20	1/4	1,927.08	1/4	1,569.96	1/4	1,212.84	1/4	855.72	1/4	498.29	1/4	151.68	1/4		1/4		1/4	
1/2	2,276.76	1/2	1,919.64	1/2	1,562.52	1/2	1,205.40	1/2	848.28	1/2	490.75	1/2	145.00	1/2		1/2		1/2	
3/4	2,269.32	3/4	1,912.20	3/4	1,555.08	3/4	1,197.96	3/4	840.84	3/4	483.17	3/4	138.42	3/4		3/4		3/4	
11	2,261.88	11	1,904.76	11	1,547.64	11	1,190.52	11	833.40	11	475.59	11	131.83	11		11		11	
1/4	2,254.44	1/4	1,897.32	1/4	1,540.20	1/4	1,183.08	1/4	825.96	1/4	468.01	1/4	125.25	1/4		1/4		1/4	
1/2	2,247.00	1/2	1,889.88	1/2	1,532.76	1/2	1,175.64	1/2	818.52	1/2	460.43	1/2	118.66	1/2		1/2		1/2	
3/4	2,239.56	3/4	1,882.44	3/4	1,525.32	3/4	1,168.20	3/4	811.08	3/4	452.95	3/4	112.17	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/25/2009 INS  
RECALCULATED: 12/02/2019 CL  
REPRINTED: 12/03/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2019

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



# BARGE "HTCO 3073"

## 2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	0	0	4,796.86	0	4,440.63	0	4,079.43	0	3,718.23	0	3,357.03	0	2,995.83
1/4		1/4		1/4		1/4		1/4	4,789.71	1/4	4,433.11	1/4	4,071.91	1/4	3,710.71	1/4	3,349.51	1/4	2,988.31
1/2		1/2		1/2		1/2		1/2	4,782.57	1/2	4,425.58	1/2	4,064.38	1/2	3,703.18	1/2	3,341.98	1/2	2,980.78
3/4		3/4		3/4		3/4		3/4	4,775.43	3/4	4,418.06	3/4	4,056.86	3/4	3,695.66	3/4	3,334.46	3/4	2,973.26
1	1	1	1	1	1	1	1	1	4,768.29	1	4,410.53	1	4,049.33	1	3,688.13	1	3,326.93	1	2,965.73
1/4		1/4		1/4		1/4		1/4	5,090.12	1/4	4,761.14	1/4	4,403.01	1/4	4,041.81	1/4	3,680.61	1/4	3,319.41
1/2		1/2		1/2		1/2		1/2	5,085.86	1/2	4,754.00	1/2	4,395.48	1/2	4,034.28	1/2	3,673.08	1/2	3,311.88
3/4		3/4		3/4		3/4		3/4	5,080.53	3/4	4,746.86	3/4	4,387.96	3/4	4,026.76	3/4	3,665.56	3/4	3,304.36
2	2	2	2	2	2	2	2	2	5,075.21	2	4,739.72	2	4,380.43	2	4,019.23	2	3,658.03	2	3,296.83
1/4		1/4		1/4		1/4		1/4	5,069.88	1/4	4,732.57	1/4	4,372.91	1/4	4,011.71	1/4	3,650.51	1/4	3,289.31
1/2		1/2		1/2		1/2		1/2	5,064.55	1/2	4,725.43	1/2	4,365.38	1/2	4,004.18	1/2	3,642.98	1/2	3,281.78
3/4		3/4		3/4		3/4		3/4	5,058.20	3/4	4,718.19	3/4	4,357.86	3/4	3,996.66	3/4	3,635.46	3/4	3,274.26
3	3	3	3	3	3	3	3	3	5,051.85	3	4,710.96	3	4,350.33	3	3,989.13	3	3,627.93	3	3,266.73
1/4		1/4		1/4		1/4		1/4	5,045.49	1/4	4,703.72	1/4	4,342.81	1/4	3,981.61	1/4	3,620.41	1/4	3,259.21
1/2		1/2		1/2		1/2		1/2	5,039.14	1/2	4,696.48	1/2	4,335.28	1/2	3,974.08	1/2	3,612.88	1/2	3,251.68
3/4		3/4		3/4		3/4		3/4	5,032.13	3/4	4,688.96	3/4	4,327.76	3/4	3,966.56	3/4	3,605.36	3/4	3,244.16
4	4	4	4	4	4	4	4	4	5,025.13	4	4,681.43	4	4,320.23	4	3,959.03	4	3,597.83	4	3,236.63
1/4		1/4		1/4		1/4		1/4	5,018.12	1/4	4,673.91	1/4	4,312.71	1/4	3,951.51	1/4	3,590.31	1/4	3,229.11
1/2		1/2		1/2		1/2		1/2	5,011.11	1/2	4,666.38	1/2	4,305.18	1/2	3,943.98	1/2	3,582.78	1/2	3,221.58
3/4		3/4		3/4		3/4		3/4	5,003.97	3/4	4,658.86	3/4	4,297.66	3/4	3,936.46	3/4	3,575.26	3/4	3,214.06
5	5	5	5	5	5	5	5	5	4,996.83	5	4,651.33	5	4,290.13	5	3,928.93	5	3,567.73	5	3,206.53
1/4		1/4		1/4		1/4		1/4	4,989.68	1/4	4,643.81	1/4	4,282.61	1/4	3,921.41	1/4	3,560.21	1/4	3,199.01
1/2		1/2		1/2		1/2		1/2	4,982.54	1/2	4,636.28	1/2	4,275.08	1/2	3,913.88	1/2	3,552.68	1/2	3,191.48
3/4		3/4		3/4		3/4		3/4	4,975.40	3/4	4,628.76	3/4	4,267.56	3/4	3,906.36	3/4	3,545.16	3/4	3,183.96
6	6	6	6	6	6	6	6	6	4,968.26	6	4,621.23	6	4,260.03	6	3,898.83	6	3,537.63	6	3,176.43
1/4		1/4		1/4		1/4		1/4	4,961.12	1/4	4,613.71	1/4	4,252.51	1/4	3,891.31	1/4	3,530.11	1/4	3,168.91
1/2		1/2		1/2		1/2		1/2	4,953.98	1/2	4,606.18	1/2	4,244.98	1/2	3,883.78	1/2	3,522.58	1/2	3,161.38
3/4		3/4		3/4		3/4		3/4	4,946.84	3/4	4,598.66	3/4	4,237.46	3/4	3,876.26	3/4	3,515.06	3/4	3,153.86
7	7	7	7	7	7	7	7	7	4,939.70	7	4,591.13	7	4,229.93	7	3,868.73	7	3,507.53	7	3,146.33
1/4		1/4		1/4		1/4		1/4	4,932.55	1/4	4,583.61	1/4	4,222.41	1/4	3,861.21	1/4	3,500.01	1/4	3,138.81
1/2		1/2		1/2		1/2		1/2	4,925.41	1/2	4,576.08	1/2	4,214.88	1/2	3,853.68	1/2	3,492.48	1/2	3,131.28
3/4		3/4		3/4		3/4		3/4	4,918.27	3/4	4,568.56	3/4	4,207.36	3/4	3,846.16	3/4	3,484.96	3/4	3,123.76
8	8	8	8	8	8	8	8	8	4,911.13	8	4,561.03	8	4,199.83	8	3,838.63	8	3,477.43	8	3,116.23
1/4		1/4		1/4		1/4		1/4	4,903.98	1/4	4,553.51	1/4	4,192.31	1/4	3,831.11	1/4	3,469.91	1/4	3,108.71
1/2		1/2		1/2		1/2		1/2	4,896.84	1/2	4,545.98	1/2	4,184.78	1/2	3,823.58	1/2	3,462.38	1/2	3,101.18
3/4		3/4		3/4		3/4		3/4	4,889.70	3/4	4,538.46	3/4	4,177.26	3/4	3,816.06	3/4	3,454.86	3/4	3,093.66
9	9	9	9	9	9	9	9	9	4,882.56	9	4,530.93	9	4,169.73	9	3,808.53	9	3,447.33	9	3,086.13
1/4		1/4		1/4		1/4		1/4	4,875.41	1/4	4,523.41	1/4	4,162.21	1/4	3,801.01	1/4	3,439.81	1/4	3,078.61
1/2		1/2		1/2		1/2		1/2	4,868.27	1/2	4,515.88	1/2	4,154.68	1/2	3,793.48	1/2	3,432.28	1/2	3,071.08
3/4		3/4		3/4		3/4		3/4	4,861.13	3/4	4,508.36	3/4	4,147.16	3/4	3,785.96	3/4	3,424.76	3/4	3,063.56
10	10	10	10	10	10	10	10	10	4,853.99	10	4,500.83	10	4,139.63	10	3,778.43	10	3,417.23	10	3,056.03
1/4		1/4		1/4		1/4		1/4	4,846.84	1/4	4,493.31	1/4	4,132.11	1/4	3,770.91	1/4	3,409.71	1/4	3,048.51
1/2		1/2		1/2		1/2		1/2	4,839.70	1/2	4,485.78	1/2	4,124.58	1/2	3,763.38	1/2	3,402.18	1/2	3,040.98
3/4		3/4		3/4		3/4		3/4	4,832.56	3/4	4,478.26	3/4	4,117.06	3/4	3,755.86	3/4	3,394.66	3/4	3,033.46
11	11	11	11	11	11	11	11	11	4,825.42	11	4,470.73	11	4,109.53	11	3,748.33	11	3,387.13	11	3,025.93
1/4		1/4		1/4		1/4		1/4	4,818.28	1/4	4,463.21	1/4	4,102.01	1/4	3,740.81	1/4	3,379.61	1/4	3,018.41
1/2		1/2		1/2		1/2		1/2	4,811.14	1/2	4,455.68	1/2	4,094.48	1/2	3,733.28	1/2	3,372.08	1/2	3,010.88
3/4		3/4		3/4		3/4		3/4	4,804.00	3/4	4,448.16	3/4	4,086.96	3/4	3,725.76	3/4	3,364.56	3/4	3,003.36

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" DEVICE  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 46'-06" FORWARD OF AFT BULKHEAD

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



# BARGE "HTCO 3073"

## 2 PORT ULLAGE TABLE HERMETIC

GAUGE HEIGHT 17'-03 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,634.63	0	2,273.43	0	1,912.23	0	1,551.03	0	1,189.83	0	828.63	0	467.43	0	111.55	0		0	
1/4	2,627.11	1/4	2,265.91	1/4	1,904.71	1/4	1,543.51	1/4	1,182.30	1/4	821.10	1/4	459.90	1/4	104.61	1/4		1/4	
1/2	2,619.58	1/2	2,258.38	1/2	1,897.18	1/2	1,535.98	1/2	1,174.78	1/2	813.58	1/2	452.38	1/2	97.68	1/2		1/2	
3/4	2,612.06	3/4	2,250.86	3/4	1,889.66	3/4	1,528.46	3/4	1,167.25	3/4	806.05	3/4	444.85	3/4	90.75	3/4		3/4	
1	2,604.53	1	2,243.33	1	1,882.13	1	1,520.93	1	1,159.73	1	798.53	1	437.33	1	83.81	1		1	
1/4	2,597.01	1/4	2,235.81	1/4	1,874.61	1/4	1,513.41	1/4	1,152.20	1/4	791.00	1/4	429.80	1/4	76.88	1/4		1/4	
1/2	2,589.48	1/2	2,228.28	1/2	1,867.08	1/2	1,505.88	1/2	1,144.68	1/2	783.48	1/2	422.28	1/2	69.95	1/2		1/2	
3/4	2,581.96	3/4	2,220.76	3/4	1,859.56	3/4	1,498.36	3/4	1,137.15	3/4	775.95	3/4	414.75	3/4	63.14	3/4		3/4	
2	2,574.43	2	2,213.23	2	1,852.03	2	1,490.83	2	1,129.63	2	768.43	2	407.23	2	56.33	2		2	
1/4	2,566.91	1/4	2,205.71	1/4	1,844.51	1/4	1,483.31	1/4	1,122.10	1/4	760.90	1/4	399.70	1/4	49.52	1/4		1/4	
1/2	2,559.38	1/2	2,198.18	1/2	1,836.98	1/2	1,475.78	1/2	1,114.58	1/2	753.38	1/2	392.18	1/2	42.71	1/2		1/2	
3/4	2,551.86	3/4	2,190.66	3/4	1,829.46	3/4	1,468.26	3/4	1,107.05	3/4	745.85	3/4	384.65	3/4	37.43	3/4		3/4	
3	2,544.33	3	2,183.13	3	1,821.93	3	1,460.73	3	1,099.53	3	738.33	3	377.13	3	32.15	3		3	
1/4	2,536.81	1/4	2,175.61	1/4	1,814.41	1/4	1,453.21	1/4	1,092.00	1/4	730.80	1/4	369.60	1/4	26.87	1/4		1/4	
1/2	2,529.28	1/2	2,168.08	1/2	1,806.88	1/2	1,445.68	1/2	1,084.48	1/2	723.28	1/2	362.08	1/2	21.59	1/2		1/2	
3/4	2,521.76	3/4	2,160.56	3/4	1,799.36	3/4	1,438.16	3/4	1,076.95	3/4	715.75	3/4	354.55	3/4	18.06	3/4		3/4	
4	2,514.23	4	2,153.03	4	1,791.83	4	1,430.63	4	1,069.43	4	708.23	4	347.03	4		4		4	
1/4	2,506.71	1/4	2,145.51	1/4	1,784.31	1/4	1,423.11	1/4	1,061.90	1/4	700.70	1/4	339.50	1/4		1/4		1/4	
1/2	2,499.18	1/2	2,137.98	1/2	1,776.78	1/2	1,415.58	1/2	1,054.38	1/2	693.18	1/2	331.98	1/2		1/2		1/2	
3/4	2,491.66	3/4	2,130.46	3/4	1,769.26	3/4	1,408.06	3/4	1,046.85	3/4	685.65	3/4	324.45	3/4		3/4		3/4	
5	2,484.13	5	2,122.93	5	1,761.73	5	1,400.53	5	1,039.33	5	678.13	5	316.93	5		5		5	
1/4	2,476.61	1/4	2,115.41	1/4	1,754.21	1/4	1,393.01	1/4	1,031.80	1/4	670.60	1/4	309.40	1/4		1/4		1/4	
1/2	2,469.08	1/2	2,107.88	1/2	1,746.68	1/2	1,385.48	1/2	1,024.28	1/2	663.08	1/2	301.88	1/2		1/2		1/2	
3/4	2,461.56	3/4	2,100.36	3/4	1,739.16	3/4	1,377.96	3/4	1,016.75	3/4	655.55	3/4	294.35	3/4		3/4		3/4	
6	2,454.03	6	2,092.83	6	1,731.63	6	1,370.43	6	1,009.23	6	648.03	6	286.83	6		6		6	
1/4	2,446.51	1/4	2,085.31	1/4	1,724.11	1/4	1,362.91	1/4	1,001.70	1/4	640.50	1/4	279.30	1/4		1/4		1/4	
1/2	2,438.98	1/2	2,077.78	1/2	1,716.58	1/2	1,355.38	1/2	994.18	1/2	632.98	1/2	271.78	1/2		1/2		1/2	
3/4	2,431.46	3/4	2,070.26	3/4	1,709.06	3/4	1,347.86	3/4	986.65	3/4	625.45	3/4	264.25	3/4		3/4		3/4	
7	2,423.93	7	2,062.73	7	1,701.53	7	1,340.33	7	979.13	7	617.93	7	256.73	7		7		7	
1/4	2,416.41	1/4	2,055.21	1/4	1,694.01	1/4	1,332.80	1/4	971.60	1/4	610.40	1/4	249.20	1/4		1/4		1/4	
1/2	2,408.88	1/2	2,047.68	1/2	1,686.48	1/2	1,325.28	1/2	964.08	1/2	602.88	1/2	241.68	1/2		1/2		1/2	
3/4	2,401.36	3/4	2,040.16	3/4	1,678.96	3/4	1,317.75	3/4	956.55	3/4	595.35	3/4	234.15	3/4		3/4		3/4	
8	2,393.83	8	2,032.63	8	1,671.43	8	1,310.23	8	949.03	8	587.83	8	226.63	8		8		8	
1/4	2,386.31	1/4	2,025.11	1/4	1,663.91	1/4	1,302.70	1/4	941.50	1/4	580.30	1/4	219.10	1/4		1/4		1/4	
1/2	2,378.78	1/2	2,017.58	1/2	1,656.38	1/2	1,295.18	1/2	933.98	1/2	572.78	1/2	211.58	1/2		1/2		1/2	
3/4	2,371.26	3/4	2,010.06	3/4	1,648.86	3/4	1,287.65	3/4	926.45	3/4	565.25	3/4	204.05	3/4		3/4		3/4	
9	2,363.73	9	2,002.53	9	1,641.33	9	1,280.13	9	918.93	9	557.73	9	196.53	9		9		9	
1/4	2,356.21	1/4	1,995.01	1/4	1,633.81	1/4	1,272.60	1/4	911.40	1/4	550.20	1/4	189.00	1/4		1/4		1/4	
1/2	2,348.68	1/2	1,987.48	1/2	1,626.28	1/2	1,265.08	1/2	903.88	1/2	542.68	1/2	181.48	1/2		1/2		1/2	
3/4	2,341.16	3/4	1,979.96	3/4	1,618.76	3/4	1,257.55	3/4	896.35	3/4	535.15	3/4	174.40	3/4		3/4		3/4	
10	2,333.63	10	1,972.43	10	1,611.23	10	1,250.03	10	888.83	10	527.63	10	167.31	10		10		10	
1/4	2,326.11	1/4	1,964.91	1/4	1,603.71	1/4	1,242.50	1/4	881.30	1/4	520.10	1/4	160.23	1/4		1/4		1/4	
1/2	2,318.58	1/2	1,957.38	1/2	1,596.18	1/2	1,234.98	1/2	873.78	1/2	512.58	1/2	153.15	1/2		1/2		1/2	
3/4	2,311.06	3/4	1,949.86	3/4	1,588.66	3/4	1,227.45	3/4	866.25	3/4	505.05	3/4	146.22	3/4		3/4		3/4	
11	2,303.53	11	1,942.33	11	1,581.13	11	1,219.93	11	858.73	11	497.53	11	139.28	11		11		11	
1/4	2,296.01	1/4	1,934.81	1/4	1,573.61	1/4	1,212.40	1/4	851.20	1/4	490.00	1/4	132.35	1/4		1/4		1/4	
1/2	2,288.48	1/2	1,927.28	1/2	1,566.08	1/2	1,204.88	1/2	843.68	1/2	482.48	1/2	125.42	1/2		1/2		1/2	
3/4	2,280.96	3/4	1,919.76	3/4	1,558.56	3/4	1,197.35	3/4	836.15	3/4	474.95	3/4	118.48	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/25/2009 INS  
RECALCULATED: 12/02/2019 CL  
REPRINTED: 12/03/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2019

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



# BARGE "HTCO 3073"

## 2 STBD

### ULLAGE TABLE

### HERMETIC

### GAUGE HEIGHT 17'-03 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	0	0	4,796.86	0	4,440.63	0	4,079.43	0	3,718.23	0	3,357.03	0	2,995.83
1/4		1/4		1/4		1/4		1/4	4,789.71	1/4	4,433.11	1/4	4,071.91	1/4	3,710.71	1/4	3,349.51	1/4	2,988.31
1/2		1/2		1/2		1/2		1/2	4,782.57	1/2	4,425.58	1/2	4,064.38	1/2	3,703.18	1/2	3,341.98	1/2	2,980.78
3/4		3/4		3/4		3/4		3/4	4,775.43	3/4	4,418.06	3/4	4,056.86	3/4	3,695.66	3/4	3,334.46	3/4	2,973.26
1	1	1	1	1	1	1	1	1	4,768.29	1	4,410.53	1	4,049.33	1	3,688.13	1	3,326.93	1	2,965.73
1/4		1/4		1/4		1/4		1/4	5,090.12	1/4	4,761.14	1/4	4,403.01	1/4	4,041.81	1/4	3,680.61	1/4	3,319.41
1/2		1/2		1/2		1/2		1/2	5,085.86	1/2	4,754.00	1/2	4,395.48	1/2	4,034.28	1/2	3,673.08	1/2	3,311.88
3/4		3/4		3/4		3/4		3/4	5,080.53	3/4	4,746.86	3/4	4,387.96	3/4	4,026.76	3/4	3,665.56	3/4	3,304.36
2	2	2	2	2	2	2	2	2	5,075.21	2	4,739.72	2	4,380.43	2	4,019.23	2	3,658.03	2	3,296.83
1/4		1/4		1/4		1/4		1/4	5,069.88	1/4	4,732.57	1/4	4,372.91	1/4	4,011.71	1/4	3,650.51	1/4	3,289.31
1/2		1/2		1/2		1/2		1/2	5,064.55	1/2	4,725.43	1/2	4,365.38	1/2	4,004.18	1/2	3,642.98	1/2	3,281.78
3/4		3/4		3/4		3/4		3/4	5,058.20	3/4	4,718.19	3/4	4,357.86	3/4	3,996.66	3/4	3,635.46	3/4	3,274.26
3	3	3	3	3	3	3	3	3	5,051.85	3	4,710.96	3	4,350.33	3	3,989.13	3	3,627.93	3	3,266.73
1/4		1/4		1/4		1/4		1/4	5,045.49	1/4	4,703.72	1/4	4,342.81	1/4	3,981.61	1/4	3,620.41	1/4	3,259.21
1/2		1/2		1/2		1/2		1/2	5,039.14	1/2	4,696.48	1/2	4,335.28	1/2	3,974.08	1/2	3,612.88	1/2	3,251.68
3/4		3/4		3/4		3/4		3/4	5,032.13	3/4	4,688.96	3/4	4,327.76	3/4	3,966.56	3/4	3,605.36	3/4	3,244.16
4	4	4	4	4	4	4	4	4	5,025.13	4	4,681.43	4	4,320.23	4	3,959.03	4	3,597.83	4	3,236.63
1/4		1/4		1/4		1/4		1/4	5,018.12	1/4	4,673.91	1/4	4,312.71	1/4	3,951.51	1/4	3,590.31	1/4	3,229.11
1/2		1/2		1/2		1/2		1/2	5,011.11	1/2	4,666.38	1/2	4,305.18	1/2	3,943.98	1/2	3,582.78	1/2	3,221.58
3/4		3/4		3/4		3/4		3/4	5,003.97	3/4	4,658.86	3/4	4,297.66	3/4	3,936.46	3/4	3,575.26	3/4	3,214.06
5	5	5	5	5	5	5	5	5	4,996.83	5	4,651.33	5	4,290.13	5	3,928.93	5	3,567.73	5	3,206.53
1/4		1/4		1/4		1/4		1/4	4,989.68	1/4	4,643.81	1/4	4,282.61	1/4	3,921.41	1/4	3,560.21	1/4	3,199.01
1/2		1/2		1/2		1/2		1/2	4,982.54	1/2	4,636.28	1/2	4,275.08	1/2	3,913.88	1/2	3,552.68	1/2	3,191.48
3/4		3/4		3/4		3/4		3/4	4,975.40	3/4	4,628.76	3/4	4,267.56	3/4	3,906.36	3/4	3,545.16	3/4	3,183.96
6	6	6	6	6	6	6	6	6	4,968.26	6	4,621.23	6	4,260.03	6	3,898.83	6	3,537.63	6	3,176.43
1/4		1/4		1/4		1/4		1/4	4,961.12	1/4	4,613.71	1/4	4,252.51	1/4	3,891.31	1/4	3,530.11	1/4	3,168.91
1/2		1/2		1/2		1/2		1/2	4,953.98	1/2	4,606.18	1/2	4,244.98	1/2	3,883.78	1/2	3,522.58	1/2	3,161.38
3/4		3/4		3/4		3/4		3/4	4,946.84	3/4	4,598.66	3/4	4,237.46	3/4	3,876.26	3/4	3,515.06	3/4	3,153.86
7	7	7	7	7	7	7	7	7	4,939.70	7	4,591.13	7	4,229.93	7	3,868.73	7	3,507.53	7	3,146.33
1/4		1/4		1/4		1/4		1/4	4,932.55	1/4	4,583.61	1/4	4,222.41	1/4	3,861.21	1/4	3,500.01	1/4	3,138.81
1/2		1/2		1/2		1/2		1/2	4,925.41	1/2	4,576.08	1/2	4,214.88	1/2	3,853.68	1/2	3,492.48	1/2	3,131.28
3/4		3/4		3/4		3/4		3/4	4,918.27	3/4	4,568.56	3/4	4,207.36	3/4	3,846.16	3/4	3,484.96	3/4	3,123.76
8	8	8	8	8	8	8	8	8	4,911.13	8	4,561.03	8	4,199.83	8	3,838.63	8	3,477.43	8	3,116.23
1/4		1/4		1/4		1/4		1/4	4,903.98	1/4	4,553.51	1/4	4,192.31	1/4	3,831.11	1/4	3,469.91	1/4	3,108.71
1/2		1/2		1/2		1/2		1/2	4,896.84	1/2	4,545.98	1/2	4,184.78	1/2	3,823.58	1/2	3,462.38	1/2	3,101.18
3/4		3/4		3/4		3/4		3/4	4,889.70	3/4	4,538.46	3/4	4,177.26	3/4	3,816.06	3/4	3,454.86	3/4	3,093.66
9	9	9	9	9	9	9	9	9	4,882.56	9	4,530.93	9	4,169.73	9	3,808.53	9	3,447.33	9	3,086.13
1/4		1/4		1/4		1/4		1/4	4,875.41	1/4	4,523.41	1/4	4,162.21	1/4	3,801.01	1/4	3,439.81	1/4	3,078.61
1/2		1/2		1/2		1/2		1/2	4,868.27	1/2	4,515.88	1/2	4,154.68	1/2	3,793.48	1/2	3,432.28	1/2	3,071.08
3/4		3/4		3/4		3/4		3/4	4,861.13	3/4	4,508.36	3/4	4,147.16	3/4	3,785.96	3/4	3,424.76	3/4	3,063.56
10	10	10	10	10	10	10	10	10	4,853.99	10	4,500.83	10	4,139.63	10	3,778.43	10	3,417.23	10	3,056.03
1/4		1/4		1/4		1/4		1/4	4,846.84	1/4	4,493.31	1/4	4,132.11	1/4	3,770.91	1/4	3,409.71	1/4	3,048.51
1/2		1/2		1/2		1/2		1/2	4,839.70	1/2	4,485.78	1/2	4,124.58	1/2	3,763.38	1/2	3,402.18	1/2	3,040.98
3/4		3/4		3/4		3/4		3/4	4,832.56	3/4	4,478.26	3/4	4,117.06	3/4	3,755.86	3/4	3,394.66	3/4	3,033.46
11	11	11	11	11	11	11	11	11	4,825.42	11	4,470.73	11	4,109.53	11	3,748.33	11	3,387.13	11	3,025.93
1/4		1/4		1/4		1/4		1/4	4,818.28	1/4	4,463.21	1/4	4,102.01	1/4	3,740.81	1/4	3,379.61	1/4	3,018.41
1/2		1/2		1/2		1/2		1/2	4,811.14	1/2	4,455.68	1/2	4,094.48	1/2	3,733.28	1/2	3,372.08	1/2	3,010.88
3/4		3/4		3/4		3/4		3/4	4,804.00	3/4	4,448.16	3/4	4,086.96	3/4	3,725.76	3/4	3,364.56	3/4	3,003.36

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" DEVICE  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 46'-06" FORWARD OF AFT BULKHEAD

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





# BARGE "HTCO 3073"

## 2 STBD

### ULLAGE TABLE HERMETIC

#### GAUGE HEIGHT 17'-03 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,634.63	0	2,273.43	0	1,912.23	0	1,551.03	0	1,189.83	0	828.63	0	467.43	0	111.55	0		0	
1/4	2,627.11	1/4	2,265.91	1/4	1,904.71	1/4	1,543.51	1/4	1,182.30	1/4	821.10	1/4	459.90	1/4	104.61	1/4		1/4	
1/2	2,619.58	1/2	2,258.38	1/2	1,897.18	1/2	1,535.98	1/2	1,174.78	1/2	813.58	1/2	452.38	1/2	97.68	1/2		1/2	
3/4	2,612.06	3/4	2,250.86	3/4	1,889.66	3/4	1,528.46	3/4	1,167.25	3/4	806.05	3/4	444.85	3/4	90.75	3/4		3/4	
1	2,604.53	1	2,243.33	1	1,882.13	1	1,520.93	1	1,159.73	1	798.53	1	437.33	1	83.81	1		1	
1/4	2,597.01	1/4	2,235.81	1/4	1,874.61	1/4	1,513.41	1/4	1,152.20	1/4	791.00	1/4	429.80	1/4	76.88	1/4		1/4	
1/2	2,589.48	1/2	2,228.28	1/2	1,867.08	1/2	1,505.88	1/2	1,144.68	1/2	783.48	1/2	422.28	1/2	69.95	1/2		1/2	
3/4	2,581.96	3/4	2,220.76	3/4	1,859.56	3/4	1,498.36	3/4	1,137.15	3/4	775.95	3/4	414.75	3/4	63.14	3/4		3/4	
2	2,574.43	2	2,213.23	2	1,852.03	2	1,490.83	2	1,129.63	2	768.43	2	407.23	2	56.33	2		2	
1/4	2,566.91	1/4	2,205.71	1/4	1,844.51	1/4	1,483.31	1/4	1,122.10	1/4	760.90	1/4	399.70	1/4	49.52	1/4		1/4	
1/2	2,559.38	1/2	2,198.18	1/2	1,836.98	1/2	1,475.78	1/2	1,114.58	1/2	753.38	1/2	392.18	1/2	42.71	1/2		1/2	
3/4	2,551.86	3/4	2,190.66	3/4	1,829.46	3/4	1,468.26	3/4	1,107.05	3/4	745.85	3/4	384.65	3/4	37.43	3/4		3/4	
3	2,544.33	3	2,183.13	3	1,821.93	3	1,460.73	3	1,099.53	3	738.33	3	377.13	3	32.15	3		3	
1/4	2,536.81	1/4	2,175.61	1/4	1,814.41	1/4	1,453.21	1/4	1,092.00	1/4	730.80	1/4	369.60	1/4	26.87	1/4		1/4	
1/2	2,529.28	1/2	2,168.08	1/2	1,806.88	1/2	1,445.68	1/2	1,084.48	1/2	723.28	1/2	362.08	1/2	21.59	1/2		1/2	
3/4	2,521.76	3/4	2,160.56	3/4	1,799.36	3/4	1,438.16	3/4	1,076.95	3/4	715.75	3/4	354.55	3/4	18.06	3/4		3/4	
4	2,514.23	4	2,153.03	4	1,791.83	4	1,430.63	4	1,069.43	4	708.23	4	347.03	4		4		4	
1/4	2,506.71	1/4	2,145.51	1/4	1,784.31	1/4	1,423.11	1/4	1,061.90	1/4	700.70	1/4	339.50	1/4		1/4		1/4	
1/2	2,499.18	1/2	2,137.98	1/2	1,776.78	1/2	1,415.58	1/2	1,054.38	1/2	693.18	1/2	331.98	1/2		1/2		1/2	
3/4	2,491.66	3/4	2,130.46	3/4	1,769.26	3/4	1,408.06	3/4	1,046.85	3/4	685.65	3/4	324.45	3/4		3/4		3/4	
5	2,484.13	5	2,122.93	5	1,761.73	5	1,400.53	5	1,039.33	5	678.13	5	316.93	5		5		5	
1/4	2,476.61	1/4	2,115.41	1/4	1,754.21	1/4	1,393.01	1/4	1,031.80	1/4	670.60	1/4	309.40	1/4		1/4		1/4	
1/2	2,469.08	1/2	2,107.88	1/2	1,746.68	1/2	1,385.48	1/2	1,024.28	1/2	663.08	1/2	301.88	1/2		1/2		1/2	
3/4	2,461.56	3/4	2,100.36	3/4	1,739.16	3/4	1,377.96	3/4	1,016.75	3/4	655.55	3/4	294.35	3/4		3/4		3/4	
6	2,454.03	6	2,092.83	6	1,731.63	6	1,370.43	6	1,009.23	6	648.03	6	286.83	6		6		6	
1/4	2,446.51	1/4	2,085.31	1/4	1,724.11	1/4	1,362.91	1/4	1,001.70	1/4	640.50	1/4	279.30	1/4		1/4		1/4	
1/2	2,438.98	1/2	2,077.78	1/2	1,716.58	1/2	1,355.38	1/2	994.18	1/2	632.98	1/2	271.78	1/2		1/2		1/2	
3/4	2,431.46	3/4	2,070.26	3/4	1,709.06	3/4	1,347.86	3/4	986.65	3/4	625.45	3/4	264.25	3/4		3/4		3/4	
7	2,423.93	7	2,062.73	7	1,701.53	7	1,340.33	7	979.13	7	617.93	7	256.73	7		7		7	
1/4	2,416.41	1/4	2,055.21	1/4	1,694.01	1/4	1,332.80	1/4	971.60	1/4	610.40	1/4	249.20	1/4		1/4		1/4	
1/2	2,408.88	1/2	2,047.68	1/2	1,686.48	1/2	1,325.28	1/2	964.08	1/2	602.88	1/2	241.68	1/2		1/2		1/2	
3/4	2,401.36	3/4	2,040.16	3/4	1,678.96	3/4	1,317.75	3/4	956.55	3/4	595.35	3/4	234.15	3/4		3/4		3/4	
8	2,393.83	8	2,032.63	8	1,671.43	8	1,310.23	8	949.03	8	587.83	8	226.63	8		8		8	
1/4	2,386.31	1/4	2,025.11	1/4	1,663.91	1/4	1,302.70	1/4	941.50	1/4	580.30	1/4	219.10	1/4		1/4		1/4	
1/2	2,378.78	1/2	2,017.58	1/2	1,656.38	1/2	1,295.18	1/2	933.98	1/2	572.78	1/2	211.58	1/2		1/2		1/2	
3/4	2,371.26	3/4	2,010.06	3/4	1,648.86	3/4	1,287.65	3/4	926.45	3/4	565.25	3/4	204.05	3/4		3/4		3/4	
9	2,363.73	9	2,002.53	9	1,641.33	9	1,280.13	9	918.93	9	557.73	9	196.53	9		9		9	
1/4	2,356.21	1/4	1,995.01	1/4	1,633.81	1/4	1,272.60	1/4	911.40	1/4	550.20	1/4	189.00	1/4		1/4		1/4	
1/2	2,348.68	1/2	1,987.48	1/2	1,626.28	1/2	1,265.08	1/2	903.88	1/2	542.68	1/2	181.48	1/2		1/2		1/2	
3/4	2,341.16	3/4	1,979.96	3/4	1,618.76	3/4	1,257.55	3/4	896.35	3/4	535.15	3/4	174.40	3/4		3/4		3/4	
10	2,333.63	10	1,972.43	10	1,611.23	10	1,250.03	10	888.83	10	527.63	10	167.31	10		10		10	
1/4	2,326.11	1/4	1,964.91	1/4	1,603.71	1/4	1,242.50	1/4	881.30	1/4	520.10	1/4	160.23	1/4		1/4		1/4	
1/2	2,318.58	1/2	1,957.38	1/2	1,596.18	1/2	1,234.98	1/2	873.78	1/2	512.58	1/2	153.15	1/2		1/2		1/2	
3/4	2,311.06	3/4	1,949.86	3/4	1,588.66	3/4	1,227.45	3/4	866.25	3/4	505.05	3/4	146.22	3/4		3/4		3/4	
11	2,303.53	11	1,942.33	11	1,581.13	11	1,219.93	11	858.73	11	497.53	11	139.28	11		11		11	
1/4	2,296.01	1/4	1,934.81	1/4	1,573.61	1/4	1,212.40	1/4	851.20	1/4	490.00	1/4	132.35	1/4		1/4		1/4	
1/2	2,288.48	1/2	1,927.28	1/2	1,566.08	1/2	1,204.88	1/2	843.68	1/2	482.48	1/2	125.42	1/2		1/2		1/2	
3/4	2,280.96	3/4	1,919.76	3/4	1,558.56	3/4	1,197.35	3/4	836.15	3/4	474.95	3/4	118.48	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/25/2009 INS  
RECALCULATED: 12/02/2019 CL  
REPRINTED: 12/03/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2019

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



# BARGE "HTCO 3073"

## 3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	3,845.99	0	3,738.18	0	3,630.38	0	3,522.57	0	3,297.90	0	2,943.42		
1/4		1/4		1/4		1/4	3,843.74	1/4	3,735.93	1/4	3,628.13	1/4	3,520.32	1/4	3,296.51	1/4	2,936.03		
1/2		1/2		1/2		1/2	3,841.50	1/2	3,733.69	1/2	3,625.88	1/2	3,518.07	1/2	3,283.13	1/2	2,928.65		
3/4		3/4		3/4		3/4	3,839.25	3/4	3,731.44	3/4	3,623.64	3/4	3,515.83	3/4	3,275.74	3/4	2,921.26		
1	1	1	1	1	3,940.39	1	3,837.01	1	3,729.20	1	3,621.39	1	3,513.58	1	3,268.36	1	2,913.88		
1/4		1/4		1/4	3,939.06	1/4	3,834.76	1/4	3,726.95	1/4	3,619.14	1/4	3,511.33	1/4	3,266.97	1/4	2,906.49		
1/2		1/2		1/2	3,937.40	1/2	3,832.51	1/2	3,724.71	1/2	3,616.90	1/2	3,509.11	1/2	3,253.59	1/2	2,899.11		
3/4		3/4		3/4	3,935.74	3/4	3,830.27	3/4	3,722.46	3/4	3,614.65	3/4	3,506.89	3/4	3,246.20	3/4	2,891.72		
2	2	2	2	2	3,934.07	2	3,828.02	2	3,720.22	2	3,612.41	2	3,504.67	2	3,238.82	2	2,884.34		
1/4		1/4		1/4	3,932.41	1/4	3,825.77	1/4	3,717.97	1/4	3,610.16	1/4	3,502.45	1/4	3,231.43	1/4	2,876.95		
1/2		1/2		1/2	3,930.42	1/2	3,823.53	1/2	3,715.72	1/2	3,607.91	1/2	3,500.11	1/2	3,224.05	1/2	2,869.57		
3/4		3/4		3/4	3,928.42	3/4	3,821.28	3/4	3,713.48	3/4	3,605.67	3/4	3,497.77	3/4	3,216.66	3/4	2,862.18		
3	3	3	3	3	3,926.43	3	3,819.04	3	3,711.23	3	3,603.42	3	3,495.42	3	3,209.28	3	2,854.80		
1/4		1/4		1/4	3,924.43	1/4	3,816.79	1/4	3,708.98	1/4	3,601.17	1/4	3,493.08	1/4	3,201.89	1/4	2,847.41		
1/2		1/2		1/2	3,922.23	1/2	3,814.55	1/2	3,706.74	1/2	3,598.93	1/2	3,490.21	1/2	3,194.51	1/2	2,840.03		
3/4		3/4		3/4	3,920.02	3/4	3,812.30	3/4	3,704.49	3/4	3,596.68	3/4	3,487.33	3/4	3,187.12	3/4	2,832.64		
4	4	4	4	4	3,917.82	4	3,810.06	4	3,702.25	4	3,594.44	4	3,484.46	4	3,179.74	4	2,825.26		
1/4		1/4		1/4	3,915.61	1/4	3,807.81	1/4	3,700.00	1/4	3,592.19	1/4	3,481.58	1/4	3,172.35	1/4	2,817.87		
1/2		1/2		1/2	3,913.37	1/2	3,805.56	1/2	3,697.75	1/2	3,589.95	1/2	3,477.98	1/2	3,164.97	1/2	2,810.49		
3/4		3/4		3/4	3,911.12	3/4	3,803.32	3/4	3,695.51	3/4	3,587.70	3/4	3,474.38	3/4	3,157.58	3/4	2,803.10		
5	5	5	5	5	3,908.88	5	3,801.07	5	3,693.26	5	3,585.46	5	3,470.77	5	3,150.20	5	2,795.72		
1/4		1/4		1/4	3,906.63	1/4	3,798.82	1/4	3,691.01	1/4	3,583.21	1/4	3,467.17	1/4	3,142.81	1/4	2,788.33		
1/2		1/2		1/2	3,904.39	1/2	3,796.58	1/2	3,688.77	1/2	3,580.96	1/2	3,462.79	1/2	3,135.43	1/2	2,780.95		
3/4		3/4		3/4	3,902.14	3/4	3,794.33	3/4	3,686.52	3/4	3,578.72	3/4	3,458.42	3/4	3,128.04	3/4	2,773.56		
6	6	6	6	6	3,899.90	6	3,792.09	6	3,684.28	6	3,576.47	6	3,454.44	6	3,120.66	6	2,766.18		
1/4		1/4		1/4	3,897.65	1/4	3,789.84	1/4	3,682.03	1/4	3,574.22	1/4	3,449.66	1/4	3,113.27	1/4	2,758.79		
1/2		1/2		1/2	3,895.40	1/2	3,787.59	1/2	3,679.79	1/2	3,571.98	1/2	3,444.51	1/2	3,105.89	1/2	2,751.41		
3/4		3/4		3/4	3,893.16	3/4	3,785.35	3/4	3,677.54	3/4	3,569.73	3/4	3,439.36	3/4	3,098.50	3/4	2,744.02		
7	7	7	7	7	3,890.91	7	3,783.10	7	3,675.30	7	3,567.49	7	3,434.20	7	3,091.12	7	2,736.64		
1/4		1/4		1/4	3,888.66	1/4	3,780.85	1/4	3,673.05	1/4	3,565.24	1/4	3,429.05	1/4	3,083.73	1/4	2,729.25		
1/2		1/2		1/2	3,886.42	1/2	3,778.61	1/2	3,670.80	1/2	3,562.99	1/2	3,423.12	1/2	3,076.35	1/2	2,721.87		
3/4		3/4		3/4	3,884.17	3/4	3,776.36	3/4	3,668.56	3/4	3,560.75	3/4	3,417.20	3/4	3,068.96	3/4	2,714.48		
8	8	8	8	8	3,881.93	8	3,774.12	8	3,666.31	8	3,558.50	8	3,411.27	8	3,061.58	8	2,707.10		
1/4		1/4		1/4	3,879.68	1/4	3,771.87	1/4	3,664.06	1/4	3,556.25	1/4	3,405.34	1/4	3,054.19	1/4	2,699.71		
1/2		1/2		1/2	3,877.43	1/2	3,769.63	1/2	3,661.82	1/2	3,554.01	1/2	3,398.64	1/2	3,046.81	1/2	2,692.33		
3/4		3/4		3/4	3,875.19	3/4	3,767.38	3/4	3,659.57	3/4	3,551.76	3/4	3,391.94	3/4	3,039.42	3/4	2,684.94		
9	9	9	9	9	3,872.94	9	3,765.14	9	3,657.33	9	3,549.52	9	3,385.24	9	3,032.04	9	2,677.56		
1/4		1/4		1/4	3,870.69	1/4	3,762.89	1/4	3,655.08	1/4	3,547.27	1/4	3,378.54	1/4	3,024.65	1/4	2,670.17		
1/2		1/2		1/2	3,868.45	1/2	3,760.64	1/2	3,652.83	1/2	3,545.03	1/2	3,371.30	1/2	3,017.27	1/2	2,662.79		
3/4		3/4		3/4	3,866.20	3/4	3,758.40	3/4	3,650.59	3/4	3,542.78	3/4	3,364.07	3/4	3,009.88	3/4	2,655.40		
10	10	10	10	10	3,863.96	10	3,756.15	10	3,648.34	10	3,540.54	10	3,356.83	10	3,002.50	10	2,648.02		
1/4		1/4		1/4	3,861.71	1/4	3,753.90	1/4	3,646.09	1/4	3,538.29	1/4	3,349.59	1/4	2,995.11	1/4	2,640.63		
1/2		1/2		1/2	3,859.47	1/2	3,751.66	1/2	3,643.85	1/2	3,536.04	1/2	3,342.21	1/2	2,987.73	1/2	2,633.25		
3/4		3/4		3/4	3,857.22	3/4	3,749.41	3/4	3,641.60	3/4	3,533.80	3/4	3,334.82	3/4	2,980.34	3/4	2,625.86		
11	11	11	11	11	3,854.98	11	3,747.17	11	3,639.36	11	3,531.55	11	3,327.44	11	2,972.96	11	2,618.48		
1/4		1/4		1/4	3,852.73	1/4	3,744.92	1/4	3,637.11	1/4	3,529.30	1/4	3,320.05	1/4	2,965.57	1/4	2,611.09		
1/2		1/2		1/2	3,850.48	1/2	3,742.67	1/2	3,634.87	1/2	3,527.06	1/2	3,312.67	1/2	2,958.19	1/2	2,603.71		
3/4		3/4		3/4	3,848.24	3/4	3,740.43	3/4	3,632.62	3/4	3,524.81	3/4	3,305.28	3/4	2,950.80	3/4	2,596.32		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" DEVICE  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 66'-06" FORWARD OF AFT BULKHEAD

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



# BARGE "HTCO 3073"

## 3 PORT ULLAGE TABLE HERMETIC

GAUGE HEIGHT 17'-03 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,588.93	0	2,234.45	0	1,879.97	0	1,525.49	0	1,171.01	0	816.52	0	462.05	0	109.06	0		0	
1/4	2,581.55	1/4	2,227.07	1/4	1,872.59	1/4	1,518.11	1/4	1,163.63	1/4	809.14	1/4	454.67	1/4	101.82	1/4		1/4	
1/2	2,574.16	1/2	2,219.68	1/2	1,865.20	1/2	1,510.72	1/2	1,156.24	1/2	801.75	1/2	447.28	1/2	94.58	1/2		1/2	
3/4	2,566.78	3/4	2,212.30	3/4	1,857.82	3/4	1,503.34	3/4	1,148.86	3/4	794.37	3/4	439.90	3/4	87.35	3/4		3/4	
1	2,559.39	1	2,204.91	1	1,850.43	1	1,495.95	1	1,141.47	1	786.98	1	432.51	1	80.11	1		1	
1/4	2,552.01	1/4	2,197.53	1/4	1,843.05	1/4	1,488.57	1/4	1,134.09	1/4	779.60	1/4	425.13	1/4	72.88	1/4		1/4	
1/2	2,544.62	1/2	2,190.14	1/2	1,835.66	1/2	1,481.18	1/2	1,126.70	1/2	772.21	1/2	417.74	1/2	65.78	1/2		1/2	
3/4	2,537.24	3/4	2,182.76	3/4	1,828.28	3/4	1,473.80	3/4	1,119.32	3/4	764.83	3/4	410.36	3/4	58.67	3/4		3/4	
2	2,529.85	2	2,175.37	2	1,820.89	2	1,466.41	2	1,111.93	2	757.44	2	402.97	2	51.57	2		2	
1/4	2,522.47	1/4	2,167.99	1/4	1,813.51	1/4	1,459.03	1/4	1,104.55	1/4	750.06	1/4	395.59	1/4	44.47	1/4		1/4	
1/2	2,515.08	1/2	2,160.60	1/2	1,806.12	1/2	1,451.64	1/2	1,097.16	1/2	742.67	1/2	388.20	1/2	38.97	1/2		1/2	
3/4	2,507.70	3/4	2,153.22	3/4	1,798.74	3/4	1,444.26	3/4	1,089.78	3/4	735.29	3/4	380.82	3/4	33.47	3/4		3/4	
3	2,500.31	3	2,145.83	3	1,791.35	3	1,436.87	3	1,082.39	3	727.90	3	373.43	3	27.97	3		3	
1/4	2,492.93	1/4	2,138.45	1/4	1,783.97	1/4	1,429.49	1/4	1,075.01	1/4	720.52	1/4	366.05	1/4	22.47	1/4		1/4	
1/2	2,485.54	1/2	2,131.06	1/2	1,776.58	1/2	1,422.10	1/2	1,067.62	1/2	713.13	1/2	358.66	1/2	18.79	1/2		1/2	
3/4	2,478.16	3/4	2,123.68	3/4	1,769.20	3/4	1,414.72	3/4	1,060.24	3/4	705.75	3/4	351.28	3/4		3/4		3/4	
4	2,470.77	4	2,116.29	4	1,761.81	4	1,407.33	4	1,052.85	4	698.36	4	343.89	4		4		4	
1/4	2,463.39	1/4	2,108.91	1/4	1,754.43	1/4	1,399.95	1/4	1,045.47	1/4	690.98	1/4	336.51	1/4		1/4		1/4	
1/2	2,456.00	1/2	2,101.52	1/2	1,747.04	1/2	1,392.56	1/2	1,038.08	1/2	683.59	1/2	329.12	1/2		1/2		1/2	
3/4	2,448.62	3/4	2,094.14	3/4	1,739.66	3/4	1,385.18	3/4	1,030.70	3/4	676.21	3/4	321.74	3/4		3/4		3/4	
5	2,441.23	5	2,086.75	5	1,732.27	5	1,377.79	5	1,023.31	5	668.82	5	314.35	5		5		5	
1/4	2,433.85	1/4	2,079.37	1/4	1,724.89	1/4	1,370.41	1/4	1,015.93	1/4	661.44	1/4	306.97	1/4		1/4		1/4	
1/2	2,426.46	1/2	2,071.98	1/2	1,717.50	1/2	1,363.02	1/2	1,008.54	1/2	654.05	1/2	299.58	1/2		1/2		1/2	
3/4	2,419.08	3/4	2,064.60	3/4	1,710.12	3/4	1,355.64	3/4	1,001.15	3/4	646.67	3/4	292.20	3/4		3/4		3/4	
6	2,411.69	6	2,057.21	6	1,702.73	6	1,348.25	6	993.77	6	639.28	6	284.81	6		6		6	
1/4	2,404.31	1/4	2,049.83	1/4	1,695.35	1/4	1,340.87	1/4	986.38	1/4	631.90	1/4	277.43	1/4		1/4		1/4	
1/2	2,396.92	1/2	2,042.44	1/2	1,687.96	1/2	1,333.48	1/2	978.99	1/2	624.51	1/2	270.04	1/2		1/2		1/2	
3/4	2,389.54	3/4	2,035.06	3/4	1,680.58	3/4	1,326.10	3/4	971.61	3/4	617.13	3/4	262.66	3/4		3/4		3/4	
7	2,382.15	7	2,027.67	7	1,673.19	7	1,318.71	7	964.22	7	609.74	7	255.27	7		7		7	
1/4	2,374.77	1/4	2,020.29	1/4	1,665.81	1/4	1,311.33	1/4	956.84	1/4	602.36	1/4	247.89	1/4		1/4		1/4	
1/2	2,367.38	1/2	2,012.90	1/2	1,658.42	1/2	1,303.94	1/2	949.45	1/2	594.97	1/2	240.50	1/2		1/2		1/2	
3/4	2,360.00	3/4	2,005.52	3/4	1,651.04	3/4	1,296.56	3/4	942.07	3/4	587.59	3/4	233.12	3/4		3/4		3/4	
8	2,352.61	8	1,998.13	8	1,643.65	8	1,289.17	8	934.68	8	580.20	8	225.73	8		8		8	
1/4	2,345.23	1/4	1,990.75	1/4	1,636.27	1/4	1,281.79	1/4	927.30	1/4	572.82	1/4	218.35	1/4		1/4		1/4	
1/2	2,337.84	1/2	1,983.36	1/2	1,628.88	1/2	1,274.40	1/2	919.91	1/2	565.44	1/2	210.96	1/2		1/2		1/2	
3/4	2,330.46	3/4	1,975.98	3/4	1,621.50	3/4	1,267.02	3/4	912.53	3/4	558.05	3/4	203.58	3/4		3/4		3/4	
9	2,323.07	9	1,968.59	9	1,614.11	9	1,259.63	9	905.14	9	550.67	9	196.19	9		9		9	
1/4	2,315.69	1/4	1,961.21	1/4	1,606.73	1/4	1,252.25	1/4	897.76	1/4	543.29	1/4	188.81	1/4		1/4		1/4	
1/2	2,308.30	1/2	1,953.82	1/2	1,599.34	1/2	1,244.86	1/2	890.37	1/2	535.90	1/2	181.53	1/2		1/2		1/2	
3/4	2,300.92	3/4	1,946.44	3/4	1,591.96	3/4	1,237.48	3/4	882.99	3/4	528.52	3/4	174.26	3/4		3/4		3/4	
10	2,293.53	10	1,939.05	10	1,584.57	10	1,230.09	10	875.60	10	521.13	10	166.98	10		10		10	
1/4	2,286.15	1/4	1,931.67	1/4	1,577.19	1/4	1,222.71	1/4	868.22	1/4	513.75	1/4	159.71	1/4		1/4		1/4	
1/2	2,278.76	1/2	1,924.28	1/2	1,569.80	1/2	1,215.32	1/2	860.83	1/2	506.36	1/2	152.47	1/2		1/2		1/2	
3/4	2,271.38	3/4	1,916.90	3/4	1,562.42	3/4	1,207.94	3/4	853.45	3/4	498.98	3/4	145.24	3/4		3/4		3/4	
11	2,263.99	11	1,909.51	11	1,555.03	11	1,200.55	11	846.06	11	491.59	11	138.00	11		11		11	
1/4	2,256.61	1/4	1,902.13	1/4	1,547.65	1/4	1,193.17	1/4	838.68	1/4	484.21	1/4	130.77	1/4		1/4		1/4	
1/2	2,249.22	1/2	1,894.74	1/2	1,540.26	1/2	1,185.78	1/2	831.29	1/2	476.82	1/2	123.53	1/2		1/2		1/2	
3/4	2,241.84	3/4	1,887.36	3/4	1,532.88	3/4	1,178.40	3/4	823.91	3/4	469.44	3/4	116.29	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/25/2009 INS  
RECALCULATED: 12/02/2019 CL  
REPRINTED: 12/03/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2019

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



# BARGE "HTCO 3073"

## 3 STBD

### ULLAGE TABLE

### HERMETIC

### GAUGE HEIGHT 17'-03 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	3,845.99	0	3,738.18	0	3,630.38	0	3,522.57	0	3,297.90	0	2,943.42		
1/4		1/4		1/4		1/4	3,843.74	1/4	3,735.93	1/4	3,628.13	1/4	3,520.32	1/4	3,295.51	1/4	2,936.03		
1/2		1/2		1/2		1/2	3,841.50	1/2	3,733.69	1/2	3,625.88	1/2	3,518.07	1/2	3,283.13	1/2	2,928.65		
3/4		3/4		3/4		3/4	3,839.25	3/4	3,731.44	3/4	3,623.64	3/4	3,515.83	3/4	3,275.74	3/4	2,921.26		
1	1	1	1	1	3,940.39	1	3,837.01	1	3,729.20	1	3,621.39	1	3,513.58	1	3,268.36	1	2,913.88		
1/4		1/4		1/4	3,939.06	1/4	3,834.76	1/4	3,726.95	1/4	3,619.14	1/4	3,511.33	1/4	3,266.97	1/4	2,912.49		
1/2		1/2		1/2	3,937.40	1/2	3,832.51	1/2	3,724.71	1/2	3,616.90	1/2	3,509.11	1/2	3,253.59	1/2	2,899.11		
3/4		3/4		3/4	3,935.74	3/4	3,830.27	3/4	3,722.46	3/4	3,614.65	3/4	3,506.89	3/4	3,246.20	3/4	2,891.72		
2	2	2	2	2	3,934.07	2	3,828.02	2	3,720.22	2	3,612.41	2	3,504.67	2	3,238.82	2	2,884.34		
1/4		1/4		1/4	3,932.41	1/4	3,825.77	1/4	3,717.97	1/4	3,610.16	1/4	3,502.45	1/4	3,231.43	1/4	2,876.95		
1/2		1/2		1/2	3,930.42	1/2	3,823.53	1/2	3,715.72	1/2	3,607.91	1/2	3,500.11	1/2	3,224.05	1/2	2,869.57		
3/4		3/4		3/4	3,928.42	3/4	3,821.28	3/4	3,713.48	3/4	3,605.67	3/4	3,497.77	3/4	3,216.66	3/4	2,862.18		
3	3	3	3	3	3,926.43	3	3,819.04	3	3,711.23	3	3,603.42	3	3,495.42	3	3,209.28	3	2,854.80		
1/4		1/4		1/4	3,924.43	1/4	3,816.79	1/4	3,708.98	1/4	3,601.17	1/4	3,493.08	1/4	3,201.89	1/4	2,847.41		
1/2		1/2		1/2	3,922.23	1/2	3,814.55	1/2	3,706.74	1/2	3,598.93	1/2	3,490.21	1/2	3,194.51	1/2	2,840.03		
3/4		3/4		3/4	3,920.02	3/4	3,812.30	3/4	3,704.49	3/4	3,596.68	3/4	3,487.33	3/4	3,187.12	3/4	2,832.64		
4	4	4	4	4	3,917.82	4	3,810.06	4	3,702.25	4	3,594.44	4	3,484.46	4	3,179.74	4	2,825.26		
1/4		1/4		1/4	3,915.61	1/4	3,807.81	1/4	3,700.00	1/4	3,592.19	1/4	3,481.58	1/4	3,172.35	1/4	2,817.87		
1/2		1/2		1/2	3,913.37	1/2	3,805.56	1/2	3,697.75	1/2	3,589.95	1/2	3,477.98	1/2	3,164.97	1/2	2,810.49		
3/4		3/4		3/4	3,911.12	3/4	3,803.32	3/4	3,695.51	3/4	3,587.70	3/4	3,474.38	3/4	3,157.58	3/4	2,803.10		
5	5	5	5	5	3,908.88	5	3,801.07	5	3,693.26	5	3,585.46	5	3,470.77	5	3,150.20	5	2,795.72		
1/4		1/4		1/4	3,906.63	1/4	3,798.82	1/4	3,691.01	1/4	3,583.21	1/4	3,467.17	1/4	3,142.81	1/4	2,788.33		
1/2		1/2		1/2	3,904.39	1/2	3,796.58	1/2	3,688.77	1/2	3,580.96	1/2	3,462.79	1/2	3,135.43	1/2	2,780.95		
3/4		3/4		3/4	3,902.14	3/4	3,794.33	3/4	3,686.52	3/4	3,578.72	3/4	3,458.42	3/4	3,128.04	3/4	2,773.56		
6	6	6	6	6	3,899.90	6	3,792.09	6	3,684.28	6	3,576.47	6	3,454.40	6	3,120.66	6	2,766.18		
1/4		1/4		1/4	3,897.65	1/4	3,789.84	1/4	3,682.03	1/4	3,574.22	1/4	3,449.66	1/4	3,113.27	1/4	2,758.79		
1/2		1/2		1/2	3,895.40	1/2	3,787.59	1/2	3,679.79	1/2	3,571.98	1/2	3,444.51	1/2	3,105.89	1/2	2,751.41		
3/4		3/4		3/4	3,893.16	3/4	3,785.35	3/4	3,677.54	3/4	3,569.73	3/4	3,439.36	3/4	3,098.50	3/4	2,744.02		
7	7	7	7	7	3,890.91	7	3,783.10	7	3,675.30	7	3,567.49	7	3,434.20	7	3,091.12	7	2,736.64		
1/4		1/4		1/4	3,888.66	1/4	3,780.85	1/4	3,673.05	1/4	3,565.24	1/4	3,429.05	1/4	3,083.73	1/4	2,729.25		
1/2		1/2		1/2	3,886.42	1/2	3,778.61	1/2	3,670.80	1/2	3,562.99	1/2	3,423.12	1/2	3,076.35	1/2	2,721.87		
3/4		3/4		3/4	3,884.17	3/4	3,776.36	3/4	3,668.56	3/4	3,560.75	3/4	3,417.20	3/4	3,068.96	3/4	2,714.48		
8	8	8	8	8	3,881.93	8	3,774.12	8	3,666.31	8	3,558.50	8	3,411.27	8	3,061.58	8	2,707.10		
1/4		1/4		1/4	3,879.68	1/4	3,771.87	1/4	3,664.06	1/4	3,556.25	1/4	3,405.34	1/4	3,054.19	1/4	2,699.71		
1/2		1/2		1/2	3,877.43	1/2	3,769.63	1/2	3,661.82	1/2	3,554.01	1/2	3,398.64	1/2	3,046.81	1/2	2,692.33		
3/4		3/4		3/4	3,875.19	3/4	3,767.38	3/4	3,659.57	3/4	3,551.76	3/4	3,391.94	3/4	3,039.42	3/4	2,684.94		
9	9	9	9	9	3,872.94	9	3,765.14	9	3,657.33	9	3,549.52	9	3,385.24	9	3,032.04	9	2,677.56		
1/4		1/4		1/4	3,870.69	1/4	3,762.89	1/4	3,655.08	1/4	3,547.27	1/4	3,378.54	1/4	3,024.65	1/4	2,670.17		
1/2		1/2		1/2	3,868.45	1/2	3,760.64	1/2	3,652.83	1/2	3,545.03	1/2	3,371.30	1/2	3,017.27	1/2	2,662.79		
3/4		3/4		3/4	3,866.20	3/4	3,758.40	3/4	3,650.59	3/4	3,542.78	3/4	3,364.07	3/4	3,009.88	3/4	2,655.40		
10	10	10	10	10	3,863.96	10	3,756.15	10	3,648.34	10	3,540.54	10	3,356.83	10	3,002.50	10	2,648.02		
1/4		1/4		1/4	3,861.71	1/4	3,753.90	1/4	3,646.09	1/4	3,538.29	1/4	3,349.59	1/4	2,995.11	1/4	2,640.63		
1/2		1/2		1/2	3,859.47	1/2	3,751.66	1/2	3,643.85	1/2	3,536.04	1/2	3,342.21	1/2	2,987.73	1/2	2,633.25		
3/4		3/4		3/4	3,857.22	3/4	3,749.41	3/4	3,641.60	3/4	3,533.80	3/4	3,334.82	3/4	2,980.34	3/4	2,625.86		
11	11	11	11	11	3,854.98	11	3,747.17	11	3,639.36	11	3,531.55	11	3,327.44	11	2,972.96	11	2,618.48		
1/4		1/4		1/4	3,852.73	1/4	3,744.92	1/4	3,637.11	1/4	3,529.30	1/4	3,320.05	1/4	2,965.57	1/4	2,611.09		
1/2		1/2		1/2	3,850.48	1/2	3,742.67	1/2	3,634.87	1/2	3,527.06	1/2	3,312.67	1/2	2,958.19	1/2	2,603.71		
3/4		3/4		3/4	3,848.24	3/4	3,740.43	3/4	3,632.62	3/4	3,524.81	3/4	3,305.28	3/4	2,950.80	3/4	2,596.32		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" DEVICE  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 66'-06" FORWARD OF AFT BULKHEAD

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



# BARGE "HTCO 3073"

## 3 STBD

### ULLAGE TABLE HERMETIC

#### GAUGE HEIGHT 17'-03 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,588.93	0	2,234.45	0	1,879.97	0	1,525.49	0	1,171.01	0	816.52	0	462.05	0	109.06	0		0	
1/4	2,581.55	1/4	2,227.07	1/4	1,872.59	1/4	1,518.11	1/4	1,163.63	1/4	809.14	1/4	454.67	1/4	101.82	1/4		1/4	
1/2	2,574.16	1/2	2,219.68	1/2	1,865.20	1/2	1,510.72	1/2	1,156.24	1/2	801.75	1/2	447.28	1/2	94.58	1/2		1/2	
3/4	2,566.78	3/4	2,212.30	3/4	1,857.82	3/4	1,503.34	3/4	1,148.86	3/4	794.37	3/4	439.90	3/4	87.35	3/4		3/4	
1	2,559.39	1	2,204.91	1	1,850.43	1	1,495.95	1	1,141.47	1	786.98	1	432.51	1	80.11	1		1	
1/4	2,552.01	1/4	2,197.53	1/4	1,843.05	1/4	1,488.57	1/4	1,134.09	1/4	779.60	1/4	425.13	1/4	72.88	1/4		1/4	
1/2	2,544.62	1/2	2,190.14	1/2	1,835.66	1/2	1,481.18	1/2	1,126.70	1/2	772.21	1/2	417.74	1/2	65.78	1/2		1/2	
3/4	2,537.24	3/4	2,182.76	3/4	1,828.28	3/4	1,473.80	3/4	1,119.32	3/4	764.83	3/4	410.36	3/4	58.67	3/4		3/4	
2	2,529.85	2	2,175.37	2	1,820.89	2	1,466.41	2	1,111.93	2	757.44	2	402.97	2	51.57	2		2	
1/4	2,522.47	1/4	2,167.99	1/4	1,813.51	1/4	1,459.03	1/4	1,104.55	1/4	750.06	1/4	395.59	1/4	44.47	1/4		1/4	
1/2	2,515.08	1/2	2,160.60	1/2	1,806.12	1/2	1,451.64	1/2	1,097.16	1/2	742.67	1/2	388.20	1/2	38.97	1/2		1/2	
3/4	2,507.70	3/4	2,153.22	3/4	1,798.74	3/4	1,444.26	3/4	1,089.78	3/4	735.29	3/4	380.82	3/4	33.47	3/4		3/4	
3	2,500.31	3	2,145.83	3	1,791.35	3	1,436.87	3	1,082.39	3	727.90	3	373.43	3	27.97	3		3	
1/4	2,492.93	1/4	2,138.45	1/4	1,783.97	1/4	1,429.49	1/4	1,075.01	1/4	720.52	1/4	366.05	1/4	22.47	1/4		1/4	
1/2	2,485.54	1/2	2,131.06	1/2	1,776.58	1/2	1,422.10	1/2	1,067.62	1/2	713.13	1/2	358.66	1/2	18.79	1/2		1/2	
3/4	2,478.16	3/4	2,123.68	3/4	1,769.20	3/4	1,414.72	3/4	1,060.24	3/4	705.75	3/4	351.28	3/4		3/4		3/4	
4	2,470.77	4	2,116.29	4	1,761.81	4	1,407.33	4	1,052.85	4	698.36	4	343.89	4		4		4	
1/4	2,463.39	1/4	2,108.91	1/4	1,754.43	1/4	1,399.95	1/4	1,045.47	1/4	690.98	1/4	336.51	1/4		1/4		1/4	
1/2	2,456.00	1/2	2,101.52	1/2	1,747.04	1/2	1,392.56	1/2	1,038.08	1/2	683.59	1/2	329.12	1/2		1/2		1/2	
3/4	2,448.62	3/4	2,094.14	3/4	1,739.66	3/4	1,385.18	3/4	1,030.70	3/4	676.21	3/4	321.74	3/4		3/4		3/4	
5	2,441.23	5	2,086.75	5	1,732.27	5	1,377.79	5	1,023.31	5	668.82	5	314.35	5	5	5		5	
1/4	2,433.85	1/4	2,079.37	1/4	1,724.89	1/4	1,370.41	1/4	1,015.93	1/4	661.44	1/4	306.97	1/4		1/4		1/4	
1/2	2,426.46	1/2	2,071.98	1/2	1,717.50	1/2	1,363.02	1/2	1,008.54	1/2	654.05	1/2	299.58	1/2		1/2		1/2	
3/4	2,419.08	3/4	2,064.60	3/4	1,710.12	3/4	1,355.64	3/4	1,001.15	3/4	646.67	3/4	292.20	3/4		3/4		3/4	
6	2,411.69	6	2,057.21	6	1,702.73	6	1,348.25	6	993.77	6	639.28	6	284.81	6	6	6		6	
1/4	2,404.31	1/4	2,049.83	1/4	1,695.35	1/4	1,340.87	1/4	986.38	1/4	631.90	1/4	277.43	1/4		1/4		1/4	
1/2	2,396.92	1/2	2,042.44	1/2	1,687.96	1/2	1,333.48	1/2	978.99	1/2	624.51	1/2	270.04	1/2		1/2		1/2	
3/4	2,389.54	3/4	2,035.06	3/4	1,680.58	3/4	1,326.10	3/4	971.61	3/4	617.13	3/4	262.66	3/4		3/4		3/4	
7	2,382.15	7	2,027.67	7	1,673.19	7	1,318.71	7	964.22	7	609.74	7	255.27	7	7	7		7	
1/4	2,374.77	1/4	2,020.29	1/4	1,665.81	1/4	1,311.33	1/4	956.84	1/4	602.36	1/4	247.89	1/4		1/4		1/4	
1/2	2,367.38	1/2	2,012.90	1/2	1,658.42	1/2	1,303.94	1/2	949.45	1/2	594.97	1/2	240.50	1/2		1/2		1/2	
3/4	2,360.00	3/4	2,005.52	3/4	1,651.04	3/4	1,296.56	3/4	942.07	3/4	587.59	3/4	233.12	3/4		3/4		3/4	
8	2,352.61	8	1,998.13	8	1,643.65	8	1,289.17	8	934.68	8	580.20	8	225.73	8	8	8		8	
1/4	2,345.23	1/4	1,990.75	1/4	1,636.27	1/4	1,281.79	1/4	927.30	1/4	572.82	1/4	218.35	1/4		1/4		1/4	
1/2	2,337.84	1/2	1,983.36	1/2	1,628.88	1/2	1,274.40	1/2	919.91	1/2	565.44	1/2	210.96	1/2		1/2		1/2	
3/4	2,330.46	3/4	1,975.98	3/4	1,621.50	3/4	1,267.02	3/4	912.53	3/4	558.05	3/4	203.58	3/4		3/4		3/4	
9	2,323.07	9	1,968.59	9	1,614.11	9	1,259.63	9	905.14	9	550.67	9	196.19	9	9	9		9	
1/4	2,315.69	1/4	1,961.21	1/4	1,606.73	1/4	1,252.25	1/4	897.76	1/4	543.29	1/4	188.81	1/4		1/4		1/4	
1/2	2,308.30	1/2	1,953.82	1/2	1,599.34	1/2	1,244.86	1/2	890.37	1/2	535.90	1/2	181.53	1/2		1/2		1/2	
3/4	2,300.92	3/4	1,946.44	3/4	1,591.96	3/4	1,237.48	3/4	882.99	3/4	528.52	3/4	174.26	3/4		3/4		3/4	
10	2,293.53	10	1,939.05	10	1,584.57	10	1,230.09	10	875.60	10	521.13	10	166.98	10	10	10		10	
1/4	2,286.15	1/4	1,931.67	1/4	1,577.19	1/4	1,222.71	1/4	868.22	1/4	513.75	1/4	159.71	1/4		1/4		1/4	
1/2	2,278.76	1/2	1,924.28	1/2	1,569.80	1/2	1,215.32	1/2	860.83	1/2	506.36	1/2	152.47	1/2		1/2		1/2	
3/4	2,271.38	3/4	1,916.90	3/4	1,562.42	3/4	1,207.94	3/4	853.45	3/4	498.98	3/4	145.24	3/4		3/4		3/4	
11	2,263.99	11	1,909.51	11	1,555.03	11	1,200.55	11	846.06	11	491.59	11	138.00	11	11	11		11	
1/4	2,256.61	1/4	1,902.13	1/4	1,547.65	1/4	1,193.17	1/4	838.68	1/4	484.21	1/4	130.77	1/4		1/4		1/4	
1/2	2,249.22	1/2	1,894.74	1/2	1,540.26	1/2	1,185.78	1/2	831.29	1/2	476.82	1/2	123.53	1/2		1/2		1/2	
3/4	2,241.84	3/4	1,887.36	3/4	1,532.88	3/4	1,178.40	3/4	823.91	3/4	469.44	3/4	116.29	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/25/2009 INS  
RECALCULATED: 12/02/2019 CL  
REPRINTED: 12/03/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2019

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



# BARGE "HTCO 3073"

# FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE 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	1,238	0	2,476	0	3,714	0	4,951	0	6,189	0	7,427	0		0		0	
1/4	26	1/4	1,264	1/4	2,502	1/4	3,739	1/4	4,977	1/4	6,215	1/4	7,453	1/4		1/4		1/4	
1/2	52	1/2	1,289	1/2	2,527	1/2	3,765	1/2	5,003	1/2	6,241	1/2	7,479	1/2		1/2		1/2	
3/4	77	3/4	1,315	3/4	2,553	3/4	3,791	3/4	5,029	3/4	6,267	3/4	7,505	3/4		3/4		3/4	
1	103	1	1,341	1	2,579	1	3,817	1	5,055	1	6,293	1	7,530	1		1		1	
1/4	129	1/4	1,367	1/4	2,605	1/4	3,843	1/4	5,080	1/4	6,318	1/4	7,556	1/4		1/4		1/4	
1/2	155	1/2	1,393	1/2	2,630	1/2	3,868	1/2	5,106	1/2	6,344	1/2	7,582	1/2		1/2		1/2	
3/4	181	3/4	1,418	3/4	2,656	3/4	3,894	3/4	5,132	3/4	6,370	3/4	7,608	3/4		3/4		3/4	
2	206	2	1,444	2	2,682	2	3,920	2	5,158	2	6,396	2	7,634	2		2		2	
1/4	232	1/4	1,470	1/4	2,708	1/4	3,946	1/4	5,184	1/4	6,421	1/4	7,659	1/4		1/4		1/4	
1/2	258	1/2	1,496	1/2	2,734	1/2	3,972	1/2	5,209	1/2	6,447	1/2	7,685	1/2		1/2		1/2	
3/4	284	3/4	1,522	3/4	2,759	3/4	3,997	3/4	5,235	3/4	6,473	3/4	7,711	3/4		3/4		3/4	
3	309	3	1,547	3	2,785	3	4,023	3	5,261	3	6,499	3	7,737	3		3		3	
1/4	335	1/4	1,573	1/4	2,811	1/4	4,049	1/4	5,287	1/4	6,525	1/4	7,762	1/4		1/4		1/4	
1/2	361	1/2	1,599	1/2	2,837	1/2	4,075	1/2	5,313	1/2	6,550	1/2	7,788	1/2		1/2		1/2	
3/4	387	3/4	1,625	3/4	2,863	3/4	4,100	3/4	5,338	3/4	6,576	3/4	7,814	3/4		3/4		3/4	
4	413	4	1,650	4	2,888	4	4,126	4	5,364	4	6,602	4	7,840	4		4		4	
1/4	438	1/4	1,676	1/4	2,914	1/4	4,152	1/4	5,390	1/4	6,628	1/4	7,866	1/4		1/4		1/4	
1/2	464	1/2	1,702	1/2	2,940	1/2	4,178	1/2	5,416	1/2	6,654	1/2	7,891	1/2		1/2		1/2	
3/4	490	3/4	1,728	3/4	2,966	3/4	4,204	3/4	5,441	3/4	6,679	3/4	7,917	3/4		3/4		3/4	
5	516	5	1,754	5	2,992	5	4,229	5	5,467	5	6,705	5	7,943	5		5		5	
1/4	542	1/4	1,779	1/4	3,017	1/4	4,255	1/4	5,493	1/4	6,731	1/4	7,969	1/4		1/4		1/4	
1/2	567	1/2	1,805	1/2	3,043	1/2	4,281	1/2	5,519	1/2	6,757	1/2	7,995	1/2		1/2		1/2	
3/4	593	3/4	1,831	3/4	3,069	3/4	4,307	3/4	5,545	3/4	6,783	3/4	8,020	3/4		3/4		3/4	
6	619	6	1,857	6	3,095	6	4,333	6	5,570	6	6,808	6	8,046	6		6		6	
1/4	645	1/4	1,883	1/4	3,120	1/4	4,358	1/4	5,596	1/4	6,834	1/4	8,072	1/4		1/4		1/4	
1/2	671	1/2	1,908	1/2	3,146	1/2	4,384	1/2	5,622	1/2	6,860	1/2	8,098	1/2		1/2		1/2	
3/4	696	3/4	1,934	3/4	3,172	3/4	4,410	3/4	5,648	3/4	6,886	3/4	8,124	3/4		3/4		3/4	
7	722	7	1,960	7	3,198	7	4,436	7	5,674	7	6,911	7	8,149	7		7		7	
1/4	748	1/4	1,986	1/4	3,224	1/4	4,461	1/4	5,699	1/4	6,937	1/4	8,175	1/4		1/4		1/4	
1/2	774	1/2	2,012	1/2	3,249	1/2	4,487	1/2	5,725	1/2	6,963	1/2	8,201	1/2		1/2		1/2	
3/4	799	3/4	2,037	3/4	3,275	3/4	4,513	3/4	5,751	3/4	6,989	3/4	8,227	3/4		3/4		3/4	
8	825	8	2,063	8	3,301	8	4,539	8	5,777	8	7,015	8	8,252	8		8		8	
1/4	851	1/4	2,089	1/4	3,327	1/4	4,565	1/4	5,803	1/4	7,040	1/4		1/4		1/4		1/4	
1/2	877	1/2	2,115	1/2	3,353	1/2	4,590	1/2	5,828	1/2	7,066	1/2		1/2		1/2		1/2	
3/4	903	3/4	2,140	3/4	3,378	3/4	4,616	3/4	5,854	3/4	7,092	3/4		3/4		3/4		3/4	
9	928	9	2,166	9	3,404	9	4,642	9	5,880	9	7,118	9		9		9		9	
1/4	954	1/4	2,192	1/4	3,430	1/4	4,668	1/4	5,906	1/4	7,144	1/4		1/4		1/4		1/4	
1/2	980	1/2	2,218	1/2	3,456	1/2	4,694	1/2	5,931	1/2	7,169	1/2		1/2		1/2		1/2	
3/4	1,006	3/4	2,244	3/4	3,482	3/4	4,719	3/4	5,957	3/4	7,195	3/4		3/4		3/4		3/4	
10	1,032	10	2,269	10	3,507	10	4,745	10	5,983	10	7,221	10		10		10		10	
1/4	1,057	1/4	2,295	1/4	3,533	1/4	4,771	1/4	6,009	1/4	7,247	1/4		1/4		1/4		1/4	
1/2	1,083	1/2	2,321	1/2	3,559	1/2	4,797	1/2	6,035	1/2	7,272	1/2		1/2		1/2		1/2	
3/4	1,109	3/4	2,347	3/4	3,585	3/4	4,823	3/4	6,060	3/4	7,298	3/4		3/4		3/4		3/4	
11	1,135	11	2,373	11	3,610	11	4,848	11	6,086	11	7,324	11		11		11		11	
1/4	1,161	1/4	2,398	1/4	3,636	1/4	4,874	1/4	6,112	1/4	7,350	1/4		1/4		1/4		1/4	
1/2	1,186	1/2	2,424	1/2	3,662	1/2	4,900	1/2	6,138	1/2	7,376	1/2		1/2		1/2		1/2	
3/4	1,212	3/4	2,450	3/4	3,688	3/4	4,926	3/4	6,164	3/4	7,401	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
CAPACITY TABLE IS SCALED FROM THE BOTTOM OF TANK

STRAPPED: 12/05/2019 JS - SW  
CALCULATED: 12/05/2019 CL  
PRINTED: 12/05/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2019

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