



BARGE "HTCO 3072"

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	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-1/2	00-1/2
1 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-1/2	00-1/2
2 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-1/2	00-1/2
2 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-1/2	00-1/2
3 PORT	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8
3 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 238'-00"

August 8, 2019

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HTCO 3072"

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

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,711.90	0	4,354.59	0	3,997.28	0	3,639.96	0	3,282.65	0	2,925.33
1/4		1/4		1/4		1/4		1/4	4,704.45	1/4	4,347.14	1/4	3,989.83	1/4	3,632.52	1/4	3,275.21	1/4	2,917.89
1/2		1/2		1/2		1/2		1/2	5,041.26	1/2	4,697.01	1/2	4,339.70	1/2	3,982.39	1/2	3,625.07	1/2	3,267.76
3/4		3/4		3/4		3/4		3/4	5,036.74	3/4	4,689.56	3/4	4,332.25	3/4	3,974.94	3/4	3,617.63	3/4	3,260.32
1		1		1		1		1	5,031.08	1	4,682.12	1	4,324.81	1	3,967.50	1	3,610.19	1	3,252.88
1/4		1/4		1/4		1/4		1/4	5,025.43	1/4	4,674.68	1/4	4,317.37	1/4	3,960.05	1/4	3,602.74	1/4	3,245.43
1/2		1/2		1/2		1/2		1/2	5,019.77	1/2	4,667.23	1/2	4,309.92	1/2	3,952.61	1/2	3,595.30	1/2	3,237.99
3/4		3/4		3/4		3/4		3/4	5,014.11	3/4	4,659.79	3/4	4,302.48	3/4	3,945.16	3/4	3,587.85	3/4	3,230.54
2		2		2		2		2	5,007.32	2	4,652.35	2	4,295.04	2	3,937.72	2	3,580.41	2	3,223.10
1/4		1/4		1/4		1/4		1/4	5,000.53	1/4	4,644.90	1/4	4,287.59	1/4	3,930.28	1/4	3,572.97	1/4	3,215.65
1/2		1/2		1/2		1/2		1/2	4,993.74	1/2	4,637.46	1/2	4,280.15	1/2	3,922.83	1/2	3,565.52	1/2	3,208.21
3/4		3/4		3/4		3/4		3/4	4,986.95	3/4	4,630.01	3/4	4,272.70	3/4	3,915.39	3/4	3,558.08	3/4	3,200.76
3		3		3		3		3	4,979.60	3	4,622.57	3	4,265.26	3	3,907.95	3	3,550.64	3	3,193.32
1/4		1/4		1/4		1/4		1/4	4,972.25	1/4	4,615.13	1/4	4,257.81	1/4	3,900.50	1/4	3,543.19	1/4	3,185.88
1/2		1/2		1/2		1/2		1/2	4,964.90	1/2	4,607.68	1/2	4,250.37	1/2	3,893.06	1/2	3,535.75	1/2	3,178.43
3/4		3/4		3/4		3/4		3/4	4,957.55	3/4	4,600.24	3/4	4,242.92	3/4	3,885.61	3/4	3,528.30	3/4	3,170.99
4		4		4		4		4	4,950.11	4	4,592.80	4	4,235.48	4	3,878.17	4	3,520.86	4	3,163.55
1/4		1/4		1/4		1/4		1/4	4,942.66	1/4	4,585.35	1/4	4,228.04	1/4	3,870.73	1/4	3,513.41	1/4	3,156.10
1/2		1/2		1/2		1/2		1/2	4,935.22	1/2	4,577.91	1/2	4,220.59	1/2	3,863.28	1/2	3,505.97	1/2	3,148.66
3/4		3/4		3/4		3/4		3/4	4,927.77	3/4	4,570.46	3/4	4,213.15	3/4	3,855.84	3/4	3,498.52	3/4	3,141.21
5		5		5		5		5	4,920.33	5	4,563.02	5	4,205.71	5	3,848.40	5	3,491.08	5	3,133.77
1/4		1/4		1/4		1/4		1/4	4,912.89	1/4	4,555.57	1/4	4,198.26	1/4	3,840.95	1/4	3,483.64	1/4	3,126.32
1/2		1/2		1/2		1/2		1/2	4,905.44	1/2	4,548.13	1/2	4,190.82	1/2	3,833.51	1/2	3,476.19	1/2	3,118.88
3/4		3/4		3/4		3/4		3/4	4,898.00	3/4	4,540.68	3/4	4,183.37	3/4	3,826.06	3/4	3,468.75	3/4	3,111.44
6		6		6		6		6	4,890.56	6	4,533.24	6	4,175.93	6	3,818.62	6	3,461.31	6	3,103.99
1/4		1/4		1/4		1/4		1/4	4,883.11	1/4	4,525.80	1/4	4,168.49	1/4	3,811.17	1/4	3,453.86	1/4	3,096.55
1/2		1/2		1/2		1/2		1/2	4,875.67	1/2	4,518.35	1/2	4,161.04	1/2	3,803.73	1/2	3,446.42	1/2	3,089.10
3/4		3/4		3/4		3/4		3/4	4,868.22	3/4	4,510.91	3/4	4,153.60	3/4	3,796.28	3/4	3,438.97	3/4	3,081.66
7		7		7		7		7	4,860.78	7	4,503.47	7	4,146.16	7	3,788.84	7	3,431.53	7	3,074.21
1/4		1/4		1/4		1/4		1/4	4,853.33	1/4	4,496.02	1/4	4,138.71	1/4	3,781.40	1/4	3,424.09	1/4	3,066.77
1/2		1/2		1/2		1/2		1/2	4,845.89	1/2	4,488.58	1/2	4,131.27	1/2	3,773.95	1/2	3,416.64	1/2	3,059.32
3/4		3/4		3/4		3/4		3/4	4,838.44	3/4	4,481.13	3/4	4,123.82	3/4	3,766.51	3/4	3,409.20	3/4	3,051.88
8		8		8		8		8	4,831.00	8	4,473.69	8	4,116.38	8	3,759.07	8	3,401.76	8	3,044.44
1/4		1/4		1/4		1/4		1/4	4,823.56	1/4	4,466.25	1/4	4,108.93	1/4	3,751.62	1/4	3,394.31	1/4	3,036.99
1/2		1/2		1/2		1/2		1/2	4,816.11	1/2	4,458.80	1/2	4,101.49	1/2	3,744.18	1/2	3,386.87	1/2	3,029.55
3/4		3/4		3/4		3/4		3/4	4,808.67	3/4	4,451.36	3/4	4,094.04	3/4	3,736.73	3/4	3,379.42	3/4	3,022.11
9		9		9		9		9	4,801.23	9	4,443.92	9	4,086.60	9	3,729.29	9	3,371.98	9	3,014.66
1/4		1/4		1/4		1/4		1/4	4,793.78	1/4	4,436.47	1/4	4,079.16	1/4	3,721.85	1/4	3,364.53	1/4	3,007.22
1/2		1/2		1/2		1/2		1/2	4,786.34	1/2	4,429.03	1/2	4,071.71	1/2	3,714.40	1/2	3,357.09	1/2	2,999.77
3/4		3/4		3/4		3/4		3/4	4,778.89	3/4	4,421.58	3/4	4,064.27	3/4	3,706.96	3/4	3,349.64	3/4	2,992.33
10		10		10		10		10	4,771.45	10	4,414.14	10	4,056.83	10	3,699.52	10	3,342.20	10	2,984.89
1/4		1/4		1/4		1/4		1/4	4,764.01	1/4	4,406.69	1/4	4,049.38	1/4	3,692.07	1/4	3,334.76	1/4	2,977.44
1/2		1/2		1/2		1/2		1/2	4,756.56	1/2	4,399.25	1/2	4,041.94	1/2	3,684.63	1/2	3,327.31	1/2	2,970.00
3/4		3/4		3/4		3/4		3/4	4,749.12	3/4	4,391.80	3/4	4,034.49	3/4	3,677.18	3/4	3,319.87	3/4	2,962.56
11		11		11		11		11	4,741.68	11	4,384.36	11	4,027.05	11	3,669.74	11	3,312.43	11	2,955.11
1/4		1/4		1/4		1/4		1/4	4,734.23	1/4	4,376.92	1/4	4,019.61	1/4	3,662.29	1/4	3,304.98	1/4	2,947.67
1/2		1/2		1/2		1/2		1/2	4,726.79	1/2	4,369.47	1/2	4,012.16	1/2	3,654.85	1/2	3,297.54	1/2	2,940.22
3/4		3/4		3/4		3/4		3/4	4,719.34	3/4	4,362.03	3/4	4,004.72	3/4	3,647.40	3/4	3,290.09	3/4	2,932.78

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 41'-03" FORWARD OF AFT BULKHEAD

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



BARGE "HTCO 3072"

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

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,568.02	0	2,210.71	0	1,853.40	0	1,496.09	0	1,138.77	0	781.46	0	423.05	0	86.21	0			
1/4	2,560.58	1/4	2,203.27	1/4	1,845.95	1/4	1,488.64	1/4	1,131.33	1/4	774.02	1/4	415.59	1/4	79.75	1/4			
1/2	2,553.13	1/2	2,195.82	1/2	1,838.51	1/2	1,481.20	1/2	1,123.88	1/2	766.57	1/2	408.14	1/2	73.28	1/2			
3/4	2,545.69	3/4	2,188.38	3/4	1,831.07	3/4	1,473.76	3/4	1,116.44	3/4	759.13	3/4	400.69	3/4	66.82	3/4			
1	2,538.25	1	2,180.93	1	1,823.62	1	1,466.31	1	1,109.00	1	751.69	1	393.33	1	60.56	1			
1/4	2,530.80	1/4	2,173.49	1/4	1,816.18	1/4	1,458.87	1/4	1,101.55	1/4	744.24	1/4	385.97	1/4	54.30	1/4			
1/2	2,523.36	1/2	2,166.04	1/2	1,808.73	1/2	1,451.42	1/2	1,094.11	1/2	736.80	1/2	378.62	1/2	48.04	1/2			
3/4	2,515.92	3/4	2,158.60	3/4	1,801.29	3/4	1,443.98	3/4	1,086.67	3/4	729.36	3/4	371.26	3/4	41.78	3/4			
2	2,508.47	2	2,151.16	2	1,793.85	2	1,436.53	2	1,079.22	2	721.91	2	363.93	2	36.84	2			
1/4	2,501.03	1/4	2,143.71	1/4	1,786.40	1/4	1,429.09	1/4	1,071.78	1/4	714.47	1/4	356.60	1/4	31.90	1/4			
1/2	2,493.58	1/2	2,136.27	1/2	1,778.96	1/2	1,421.64	1/2	1,064.33	1/2	707.02	1/2	349.27	1/2	26.97	1/2			
3/4	2,486.14	3/4	2,128.83	3/4	1,771.52	3/4	1,414.20	3/4	1,056.89	3/4	699.58	3/4	341.94	3/4	22.03	3/4			
3	2,478.69	3	2,121.38	3	1,764.07	3	1,406.76	3	1,049.45	3	692.13	3	334.70	3	18.62	3			
1/4	2,471.25	1/4	2,113.94	1/4	1,756.63	1/4	1,399.31	1/4	1,042.00	1/4	684.69	1/4	327.47	1/4		1/4			
1/2	2,463.80	1/2	2,106.49	1/2	1,749.18	1/2	1,391.87	1/2	1,034.56	1/2	677.24	1/2	320.23	1/2		1/2			
3/4	2,456.36	3/4	2,099.05	3/4	1,741.74	3/4	1,384.43	3/4	1,027.12	3/4	669.80	3/4	313.00	3/4		3/4			
4	2,448.92	4	2,091.61	4	1,734.29	4	1,376.98	4	1,019.67	4	662.36	4	305.80	4		4			
1/4	2,441.47	1/4	2,084.16	1/4	1,726.85	1/4	1,369.54	1/4	1,012.23	1/4	654.91	1/4	298.59	1/4		1/4			
1/2	2,434.03	1/2	2,076.72	1/2	1,719.40	1/2	1,362.09	1/2	1,004.78	1/2	647.47	1/2	291.39	1/2		1/2			
3/4	2,426.59	3/4	2,069.28	3/4	1,711.96	3/4	1,354.65	3/4	997.34	3/4	640.03	3/4	284.19	3/4		3/4			
5	2,419.14	5	2,061.83	5	1,704.52	5	1,347.21	5	989.89	5	632.58	5	277.08	5		5			
1/4	2,411.70	1/4	2,054.39	1/4	1,697.07	1/4	1,339.76	1/4	982.45	1/4	625.14	1/4	269.97	1/4		1/4			
1/2	2,404.25	1/2	2,046.94	1/2	1,689.63	1/2	1,332.32	1/2	975.00	1/2	617.69	1/2	262.87	1/2		1/2			
3/4	2,396.81	3/4	2,039.50	3/4	1,682.19	3/4	1,324.88	3/4	967.56	3/4	610.25	3/4	255.76	3/4		3/4			
6	2,389.37	6	2,032.05	6	1,674.74	6	1,317.43	6	960.12	6	602.81	6	248.68	6		6			
1/4	2,381.92	1/4	2,024.61	1/4	1,667.30	1/4	1,309.99	1/4	952.67	1/4	595.36	1/4	241.60	1/4		1/4			
1/2	2,374.48	1/2	2,017.16	1/2	1,659.85	1/2	1,302.54	1/2	945.23	1/2	587.92	1/2	234.53	1/2		1/2			
3/4	2,367.04	3/4	2,009.72	3/4	1,652.41	3/4	1,295.10	3/4	937.79	3/4	580.48	3/4	227.45	3/4		3/4			
7	2,359.59	7	2,002.28	7	1,644.97	7	1,287.65	7	930.34	7	573.03	7	220.47	7		7			
1/4	2,352.15	1/4	1,994.83	1/4	1,637.52	1/4	1,280.21	1/4	922.90	1/4	565.59	1/4	213.48	1/4		1/4			
1/2	2,344.70	1/2	1,987.39	1/2	1,630.08	1/2	1,272.76	1/2	915.45	1/2	558.14	1/2	206.50	1/2		1/2			
3/4	2,337.26	3/4	1,979.95	3/4	1,622.64	3/4	1,265.32	3/4	908.01	3/4	550.70	3/4	199.52	3/4		3/4			
8	2,329.81	8	1,972.50	8	1,615.19	8	1,257.88	8	900.57	8	543.25	8	192.57	8		8			
1/4	2,322.37	1/4	1,965.06	1/4	1,607.75	1/4	1,250.43	1/4	893.12	1/4	535.81	1/4	185.61	1/4		1/4			
1/2	2,314.92	1/2	1,957.61	1/2	1,600.30	1/2	1,242.99	1/2	885.68	1/2	528.36	1/2	178.66	1/2		1/2			
3/4	2,307.48	3/4	1,950.17	3/4	1,592.86	3/4	1,235.55	3/4	878.24	3/4	520.92	3/4	171.71	3/4		3/4			
9	2,300.04	9	1,942.73	9	1,585.41	9	1,228.10	9	870.79	9	513.38	9	165.03	9		9			
1/4	2,292.59	1/4	1,935.28	1/4	1,577.97	1/4	1,220.66	1/4	863.35	1/4	505.83	1/4	158.35	1/4		1/4			
1/2	2,285.15	1/2	1,927.84	1/2	1,570.52	1/2	1,213.21	1/2	855.90	1/2	498.29	1/2	151.68	1/2		1/2			
3/4	2,277.71	3/4	1,920.40	3/4	1,563.08	3/4	1,205.77	3/4	848.46	3/4	490.75	3/4	145.00	3/4		3/4			
10	2,270.26	10	1,912.95	10	1,555.64	10	1,198.33	10	841.01	10	483.17	10	138.41	10		10			
1/4	2,262.82	1/4	1,905.51	1/4	1,548.19	1/4	1,190.88	1/4	833.57	1/4	475.59	1/4	131.83	1/4		1/4			
1/2	2,255.37	1/2	1,898.06	1/2	1,540.75	1/2	1,183.44	1/2	826.12	1/2	468.01	1/2	125.24	1/2		1/2			
3/4	2,247.93	3/4	1,890.62	3/4	1,533.31	3/4	1,176.00	3/4	818.68	3/4	460.43	3/4	118.66	3/4		3/4			
11	2,240.49	11	1,883.17	11	1,525.86	11	1,168.55	11	811.24	11	452.95	11	112.16	11		11			
1/4	2,233.04	1/4	1,875.73	1/4	1,518.42	1/4	1,161.11	1/4	803.79	1/4	445.46	1/4	105.67	1/4		1/4			
1/2	2,225.60	1/2	1,868.28	1/2	1,510.97	1/2	1,153.66	1/2	796.35	1/2	437.98	1/2	99.17	1/2		1/2			
3/4	2,218.16	3/4	1,860.84	3/4	1,503.53	3/4	1,146.22	3/4	788.91	3/4	430.50	3/4	92.68	3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/24/2009 INS
RECALCULATED: 08/08/2019 CL
REPRINTED: 08/08/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019

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



BARGE "HTCO 3072"

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

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,711.90	0	4,354.59	0	3,997.28	0	3,639.96	0	3,282.65	0	2,925.33
1/4		1/4		1/4		1/4		1/4	4,704.45	1/4	4,347.14	1/4	3,989.83	1/4	3,632.52	1/4	3,275.21	1/4	2,917.89
1/2		1/2		1/2		1/2		1/2	5,041.26	1/2	4,697.01	1/2	4,339.70	1/2	3,982.39	1/2	3,625.07	1/2	3,267.76
3/4		3/4		3/4		3/4		3/4	5,036.74	3/4	4,689.56	3/4	4,332.25	3/4	3,974.94	3/4	3,617.63	3/4	3,260.32
1		1		1		1		1	5,031.08	1	4,682.12	1	4,324.81	1	3,967.50	1	3,610.19	1	3,252.88
1/4		1/4		1/4		1/4		1/4	5,025.43	1/4	4,674.68	1/4	4,317.37	1/4	3,960.05	1/4	3,602.74	1/4	3,245.43
1/2		1/2		1/2		1/2		1/2	5,019.77	1/2	4,667.23	1/2	4,309.92	1/2	3,952.61	1/2	3,595.30	1/2	3,237.99
3/4		3/4		3/4		3/4		3/4	5,014.11	3/4	4,659.79	3/4	4,302.48	3/4	3,945.16	3/4	3,587.85	3/4	3,230.54
2		2		2		2		2	5,007.32	2	4,652.35	2	4,295.04	2	3,937.72	2	3,580.41	2	3,223.10
1/4		1/4		1/4		1/4		1/4	5,000.53	1/4	4,644.90	1/4	4,287.59	1/4	3,930.28	1/4	3,572.97	1/4	3,215.65
1/2		1/2		1/2		1/2		1/2	4,993.74	1/2	4,637.46	1/2	4,280.15	1/2	3,922.83	1/2	3,565.52	1/2	3,208.21
3/4		3/4		3/4		3/4		3/4	4,986.95	3/4	4,630.01	3/4	4,272.70	3/4	3,915.39	3/4	3,558.08	3/4	3,200.76
3		3		3		3		3	4,979.60	3	4,622.57	3	4,265.26	3	3,907.95	3	3,550.64	3	3,193.32
1/4		1/4		1/4		1/4		1/4	4,972.25	1/4	4,615.13	1/4	4,257.81	1/4	3,900.50	1/4	3,543.19	1/4	3,185.88
1/2		1/2		1/2		1/2		1/2	4,964.90	1/2	4,607.68	1/2	4,250.37	1/2	3,893.06	1/2	3,535.75	1/2	3,178.43
3/4		3/4		3/4		3/4		3/4	4,957.55	3/4	4,600.24	3/4	4,242.92	3/4	3,885.61	3/4	3,528.30	3/4	3,170.99
4		4		4		4		4	4,950.11	4	4,592.80	4	4,235.48	4	3,878.17	4	3,520.86	4	3,163.55
1/4		1/4		1/4		1/4		1/4	4,942.66	1/4	4,585.35	1/4	4,228.04	1/4	3,870.73	1/4	3,513.41	1/4	3,156.10
1/2		1/2		1/2		1/2		1/2	4,935.22	1/2	4,577.91	1/2	4,220.59	1/2	3,863.28	1/2	3,505.97	1/2	3,148.66
3/4		3/4		3/4		3/4		3/4	4,927.77	3/4	4,570.46	3/4	4,213.15	3/4	3,855.84	3/4	3,498.52	3/4	3,141.21
5		5		5		5		5	4,920.33	5	4,563.02	5	4,205.71	5	3,848.40	5	3,491.08	5	3,133.77
1/4		1/4		1/4		1/4		1/4	4,912.89	1/4	4,555.57	1/4	4,198.26	1/4	3,840.95	1/4	3,483.64	1/4	3,126.32
1/2		1/2		1/2		1/2		1/2	4,905.44	1/2	4,548.13	1/2	4,190.82	1/2	3,833.51	1/2	3,476.19	1/2	3,118.88
3/4		3/4		3/4		3/4		3/4	4,898.00	3/4	4,540.68	3/4	4,183.37	3/4	3,826.06	3/4	3,468.75	3/4	3,111.44
6		6		6		6		6	4,890.56	6	4,533.24	6	4,175.93	6	3,818.62	6	3,461.31	6	3,103.99
1/4		1/4		1/4		1/4		1/4	4,883.11	1/4	4,525.80	1/4	4,168.49	1/4	3,811.17	1/4	3,453.86	1/4	3,096.55
1/2		1/2		1/2		1/2		1/2	4,875.67	1/2	4,518.35	1/2	4,161.04	1/2	3,803.73	1/2	3,446.42	1/2	3,089.10
3/4		3/4		3/4		3/4		3/4	4,868.22	3/4	4,510.91	3/4	4,153.60	3/4	3,796.28	3/4	3,438.97	3/4	3,081.66
7		7		7		7		7	4,860.78	7	4,503.47	7	4,146.16	7	3,788.84	7	3,431.53	7	3,074.21
1/4		1/4		1/4		1/4		1/4	4,853.33	1/4	4,496.02	1/4	4,138.71	1/4	3,781.40	1/4	3,424.09	1/4	3,066.77
1/2		1/2		1/2		1/2		1/2	4,845.89	1/2	4,488.58	1/2	4,131.27	1/2	3,773.95	1/2	3,416.64	1/2	3,059.32
3/4		3/4		3/4		3/4		3/4	4,838.44	3/4	4,481.13	3/4	4,123.82	3/4	3,766.51	3/4	3,409.20	3/4	3,051.88
8		8		8		8		8	4,831.00	8	4,473.69	8	4,116.38	8	3,759.07	8	3,401.76	8	3,044.44
1/4		1/4		1/4		1/4		1/4	4,823.56	1/4	4,466.25	1/4	4,108.93	1/4	3,751.62	1/4	3,394.31	1/4	3,036.99
1/2		1/2		1/2		1/2		1/2	4,816.11	1/2	4,458.80	1/2	4,101.49	1/2	3,744.18	1/2	3,386.87	1/2	3,029.55
3/4		3/4		3/4		3/4		3/4	4,808.67	3/4	4,451.36	3/4	4,094.04	3/4	3,736.73	3/4	3,379.42	3/4	3,022.11
9		9		9		9		9	4,801.23	9	4,443.92	9	4,086.60	9	3,729.29	9	3,371.98	9	3,014.66
1/4		1/4		1/4		1/4		1/4	4,793.78	1/4	4,436.47	1/4	4,079.16	1/4	3,721.85	1/4	3,364.53	1/4	3,007.22
1/2		1/2		1/2		1/2		1/2	4,786.34	1/2	4,429.03	1/2	4,071.71	1/2	3,714.40	1/2	3,357.09	1/2	2,999.77
3/4		3/4		3/4		3/4		3/4	4,778.89	3/4	4,421.58	3/4	4,064.27	3/4	3,706.96	3/4	3,349.64	3/4	2,992.33
10		10		10		10		10	4,771.45	10	4,414.14	10	4,056.83	10	3,699.52	10	3,342.20	10	2,984.89
1/4		1/4		1/4		1/4		1/4	4,764.01	1/4	4,406.69	1/4	4,049.38	1/4	3,692.07	1/4	3,334.76	1/4	2,977.44
1/2		1/2		1/2		1/2		1/2	4,756.56	1/2	4,399.25	1/2	4,041.94	1/2	3,684.63	1/2	3,327.31	1/2	2,970.00
3/4		3/4		3/4		3/4		3/4	4,749.12	3/4	4,391.80	3/4	4,034.49	3/4	3,677.18	3/4	3,319.87	3/4	2,962.56
11		11		11		11		11	4,741.68	11	4,384.36	11	4,027.05	11	3,669.74	11	3,312.43	11	2,955.11
1/4		1/4		1/4		1/4		1/4	4,734.23	1/4	4,376.92	1/4	4,019.61	1/4	3,662.29	1/4	3,304.98	1/4	2,947.67
1/2		1/2		1/2		1/2		1/2	4,726.79	1/2	4,369.47	1/2	4,012.16	1/2	3,654.85	1/2	3,297.54	1/2	2,940.22
3/4		3/4		3/4		3/4		3/4	4,719.34	3/4	4,362.03	3/4	4,004.72	3/4	3,647.40	3/4	3,290.09	3/4	2,932.78

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 41'-03" FORWARD OF AFT BULKHEAD

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



BARGE "HTCO 3072"

1 STBD

ULLAGE TABLE
HERMETIC

GAUGE HEIGHT 17'-03"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,568.02	0	2,210.71	0	1,853.40	0	1,496.09	0	1,138.77	0	781.46	0	423.05	0	86.21	0			
1/4	2,560.58	1/4	2,203.27	1/4	1,845.95	1/4	1,488.64	1/4	1,131.33	1/4	774.02	1/4	415.59	1/4	79.75	1/4			
1/2	2,553.13	1/2	2,195.82	1/2	1,838.51	1/2	1,481.20	1/2	1,123.88	1/2	766.57	1/2	408.14	1/2	73.28	1/2			
3/4	2,545.69	3/4	2,188.38	3/4	1,831.07	3/4	1,473.76	3/4	1,116.44	3/4	759.13	3/4	400.69	3/4	66.82	3/4			
1	2,538.25	1	2,180.93	1	1,823.62	1	1,466.31	1	1,109.00	1	751.69	1	393.33	1	60.56	1			
1/4	2,530.80	1/4	2,173.49	1/4	1,816.18	1/4	1,458.87	1/4	1,101.55	1/4	744.24	1/4	385.97	1/4	54.30	1/4			
1/2	2,523.36	1/2	2,166.04	1/2	1,808.73	1/2	1,451.42	1/2	1,094.11	1/2	736.80	1/2	378.62	1/2	48.04	1/2			
3/4	2,515.92	3/4	2,158.60	3/4	1,801.29	3/4	1,443.98	3/4	1,086.67	3/4	729.36	3/4	371.26	3/4	41.78	3/4			
2	2,508.47	2	2,151.16	2	1,793.85	2	1,436.53	2	1,079.22	2	721.91	2	363.93	2	36.84	2			
1/4	2,501.03	1/4	2,143.71	1/4	1,786.40	1/4	1,429.09	1/4	1,071.78	1/4	714.47	1/4	356.60	1/4	31.90	1/4			
1/2	2,493.58	1/2	2,136.27	1/2	1,778.96	1/2	1,421.64	1/2	1,064.33	1/2	707.02	1/2	349.27	1/2	26.97	1/2			
3/4	2,486.14	3/4	2,128.83	3/4	1,771.52	3/4	1,414.20	3/4	1,056.89	3/4	699.58	3/4	341.94	3/4	22.03	3/4			
3	2,478.69	3	2,121.38	3	1,764.07	3	1,406.76	3	1,049.45	3	692.13	3	334.70	3	18.62	3			
1/4	2,471.25	1/4	2,113.94	1/4	1,756.63	1/4	1,399.31	1/4	1,042.00	1/4	684.69	1/4	327.47	1/4		1/4			
1/2	2,463.80	1/2	2,106.49	1/2	1,749.18	1/2	1,391.87	1/2	1,034.56	1/2	677.24	1/2	320.23	1/2		1/2			
3/4	2,456.36	3/4	2,099.05	3/4	1,741.74	3/4	1,384.43	3/4	1,027.12	3/4	669.80	3/4	313.00	3/4		3/4			
4	2,448.92	4	2,091.61	4	1,734.29	4	1,376.98	4	1,019.67	4	662.36	4	305.80	4		4			
1/4	2,441.47	1/4	2,084.16	1/4	1,726.85	1/4	1,369.54	1/4	1,012.23	1/4	654.91	1/4	298.59	1/4		1/4			
1/2	2,434.03	1/2	2,076.72	1/2	1,719.40	1/2	1,362.09	1/2	1,004.78	1/2	647.47	1/2	291.39	1/2		1/2			
3/4	2,426.59	3/4	2,069.28	3/4	1,711.96	3/4	1,354.65	3/4	997.34	3/4	640.03	3/4	284.19	3/4		3/4			
5	2,419.14	5	2,061.83	5	1,704.52	5	1,347.21	5	989.89	5	632.58	5	277.08	5		5			
1/4	2,411.70	1/4	2,054.39	1/4	1,697.07	1/4	1,339.76	1/4	982.45	1/4	625.14	1/4	269.97	1/4		1/4			
1/2	2,404.25	1/2	2,046.94	1/2	1,689.63	1/2	1,332.32	1/2	975.00	1/2	617.69	1/2	262.87	1/2		1/2			
3/4	2,396.81	3/4	2,039.50	3/4	1,682.19	3/4	1,324.88	3/4	967.56	3/4	610.25	3/4	255.76	3/4		3/4			
6	2,389.37	6	2,032.05	6	1,674.74	6	1,317.43	6	960.12	6	602.81	6	248.68	6		6			
1/4	2,381.92	1/4	2,024.61	1/4	1,667.30	1/4	1,309.99	1/4	952.67	1/4	595.36	1/4	241.60	1/4		1/4			
1/2	2,374.48	1/2	2,017.16	1/2	1,659.85	1/2	1,302.54	1/2	945.23	1/2	587.92	1/2	234.53	1/2		1/2			
3/4	2,367.04	3/4	2,009.72	3/4	1,652.41	3/4	1,295.10	3/4	937.79	3/4	580.48	3/4	227.45	3/4		3/4			
7	2,359.59	7	2,002.28	7	1,644.97	7	1,287.65	7	930.34	7	573.03	7	220.47	7		7			
1/4	2,352.15	1/4	1,994.83	1/4	1,637.52	1/4	1,280.21	1/4	922.90	1/4	565.59	1/4	213.48	1/4		1/4			
1/2	2,344.70	1/2	1,987.39	1/2	1,630.08	1/2	1,272.76	1/2	915.45	1/2	558.14	1/2	206.50	1/2		1/2			
3/4	2,337.26	3/4	1,979.95	3/4	1,622.64	3/4	1,265.32	3/4	908.01	3/4	550.70	3/4	199.52	3/4		3/4			
8	2,329.81	8	1,972.50	8	1,615.19	8	1,257.88	8	900.57	8	543.25	8	192.57	8		8			
1/4	2,322.37	1/4	1,965.06	1/4	1,607.75	1/4	1,250.43	1/4	893.12	1/4	535.81	1/4	185.61	1/4		1/4			
1/2	2,314.92	1/2	1,957.61	1/2	1,600.30	1/2	1,242.99	1/2	885.68	1/2	528.36	1/2	178.66	1/2		1/2			
3/4	2,307.48	3/4	1,950.17	3/4	1,592.86	3/4	1,235.55	3/4	878.24	3/4	520.92	3/4	171.71	3/4		3/4			
9	2,300.04	9	1,942.73	9	1,585.41	9	1,228.10	9	870.79	9	513.38	9	165.03	9		9			
1/4	2,292.59	1/4	1,935.28	1/4	1,577.97	1/4	1,220.66	1/4	863.35	1/4	505.83	1/4	158.35	1/4		1/4			
1/2	2,285.15	1/2	1,927.84	1/2	1,570.52	1/2	1,213.21	1/2	855.90	1/2	498.29	1/2	151.68	1/2		1/2			
3/4	2,277.71	3/4	1,920.40	3/4	1,563.08	3/4	1,205.77	3/4	848.46	3/4	490.75	3/4	145.00	3/4		3/4			
10	2,270.26	10	1,912.95	10	1,555.64	10	1,198.33	10	841.01	10	483.17	10	138.41	10		10			
1/4	2,262.82	1/4	1,905.51	1/4	1,548.19	1/4	1,190.88	1/4	833.57	1/4	475.59	1/4	131.83	1/4		1/4			
1/2	2,255.37	1/2	1,898.06	1/2	1,540.75	1/2	1,183.44	1/2	826.12	1/2	468.01	1/2	125.24	1/2		1/2			
3/4	2,247.93	3/4	1,890.62	3/4	1,533.31	3/4	1,176.00	3/4	818.68	3/4	460.43	3/4	118.66	3/4		3/4			
11	2,240.49	11	1,883.17	11	1,525.86	11	1,168.55	11	811.24	11	452.95	11	112.16	11		11			
1/4	2,233.04	1/4	1,875.73	1/4	1,518.42	1/4	1,161.11	1/4	803.79	1/4	445.46	1/4	105.67	1/4		1/4			
1/2	2,225.60	1/2	1,868.28	1/2	1,510.97	1/2	1,153.66	1/2	796.35	1/2	437.98	1/2	99.17	1/2		1/2			
3/4	2,218.16	3/4	1,860.84	3/4	1,503.53	3/4	1,146.22	3/4	788.91	3/4	430.50	3/4	92.68	3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/24/2009 INS
RECALCULATED: 08/08/2019 CL
REPRINTED: 08/08/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019

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



BARGE "HTCO 3072"

2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,775.43	0	4,418.06	0	4,056.86	0	3,695.66	0	3,334.46	0	2,973.26
1/4		1/4		1/4		1/4		1/4	4,768.29	1/4	4,410.53	1/4	4,049.33	1/4	3,688.13	1/4	3,326.93	1/4	2,965.73
1/2		1/2		1/2		1/2	5,090.12	1/2	4,761.14	1/2	4,403.01	1/2	4,041.81	1/2	3,680.61	1/2	3,319.41	1/2	2,958.21
3/4		3/4		3/4		3/4	5,085.86	3/4	4,754.00	3/4	4,395.48	3/4	4,034.28	3/4	3,673.08	3/4	3,311.88	3/4	2,950.68
1		1		1		1	5,080.53	1	4,746.86	1	4,387.96	1	4,026.76	1	3,665.56	1	3,304.36	1	2,943.16
1/4		1/4		1/4		1/4	5,075.21	1/4	4,739.72	1/4	4,380.43	1/4	4,019.23	1/4	3,658.03	1/4	3,296.83	1/4	2,935.63
1/2		1/2		1/2		1/2	5,069.88	1/2	4,732.57	1/2	4,372.91	1/2	4,011.71	1/2	3,650.51	1/2	3,289.31	1/2	2,928.11
3/4		3/4		3/4		3/4	5,064.55	3/4	4,725.43	3/4	4,365.38	3/4	4,004.18	3/4	3,642.98	3/4	3,281.78	3/4	2,920.58
2		2		2		2	5,058.20	2	4,718.19	2	4,357.86	2	3,996.66	2	3,635.46	2	3,274.26	2	2,913.06
1/4		1/4		1/4		1/4	5,051.85	1/4	4,710.96	1/4	4,350.33	1/4	3,989.13	1/4	3,627.93	1/4	3,266.73	1/4	2,905.53
1/2		1/2		1/2		1/2	5,045.49	1/2	4,703.72	1/2	4,342.81	1/2	3,981.61	1/2	3,620.41	1/2	3,259.21	1/2	2,898.01
3/4		3/4		3/4		3/4	5,039.14	3/4	4,696.48	3/4	4,335.28	3/4	3,974.08	3/4	3,612.88	3/4	3,251.68	3/4	2,890.48
3		3		3		3	5,032.13	3	4,688.96	3	4,327.76	3	3,966.56	3	3,605.36	3	3,244.16	3	2,882.96
1/4		1/4		1/4		1/4	5,025.13	1/4	4,681.43	1/4	4,320.23	1/4	3,959.03	1/4	3,597.83	1/4	3,236.63	1/4	2,875.43
1/2		1/2		1/2		1/2	5,018.12	1/2	4,673.91	1/2	4,312.71	1/2	3,951.51	1/2	3,590.31	1/2	3,229.11	1/2	2,867.91
3/4		3/4		3/4		3/4	5,011.11	3/4	4,666.38	3/4	4,305.18	3/4	3,943.98	3/4	3,582.78	3/4	3,221.58	3/4	2,860.38
4		4		4		4	5,003.97	4	4,658.86	4	4,297.66	4	3,936.46	4	3,575.26	4	3,214.06	4	2,852.86
1/4		1/4		1/4		1/4	4,996.83	1/4	4,651.33	1/4	4,290.13	1/4	3,928.93	1/4	3,567.73	1/4	3,206.53	1/4	2,845.33
1/2		1/2		1/2		1/2	4,989.68	1/2	4,643.81	1/2	4,282.61	1/2	3,921.41	1/2	3,560.21	1/2	3,199.01	1/2	2,837.81
3/4		3/4		3/4		3/4	4,982.54	3/4	4,636.28	3/4	4,275.08	3/4	3,913.88	3/4	3,552.68	3/4	3,191.48	3/4	2,830.28
5		5		5		5	4,975.40	5	4,628.76	5	4,267.56	5	3,906.36	5	3,545.16	5	3,183.96	5	2,822.76
1/4		1/4		1/4		1/4	4,968.26	1/4	4,621.23	1/4	4,260.03	1/4	3,898.83	1/4	3,537.63	1/4	3,176.43	1/4	2,815.23
1/2		1/2		1/2		1/2	4,961.12	1/2	4,613.71	1/2	4,252.51	1/2	3,891.31	1/2	3,530.11	1/2	3,168.91	1/2	2,807.71
3/4		3/4		3/4		3/4	4,953.98	3/4	4,606.18	3/4	4,244.98	3/4	3,883.78	3/4	3,522.58	3/4	3,161.38	3/4	2,800.18
6		6		6		6	4,946.84	6	4,598.66	6	4,237.46	6	3,876.26	6	3,515.06	6	3,153.86	6	2,792.66
1/4		1/4		1/4		1/4	4,939.70	1/4	4,591.13	1/4	4,229.93	1/4	3,868.73	1/4	3,507.53	1/4	3,146.33	1/4	2,785.13
1/2		1/2		1/2		1/2	4,932.55	1/2	4,583.61	1/2	4,222.41	1/2	3,861.21	1/2	3,500.01	1/2	3,138.81	1/2	2,777.61
3/4		3/4		3/4		3/4	4,925.41	3/4	4,576.08	3/4	4,214.88	3/4	3,853.68	3/4	3,492.48	3/4	3,131.28	3/4	2,770.08
7		7		7		7	4,918.27	7	4,568.56	7	4,207.36	7	3,846.16	7	3,484.96	7	3,123.76	7	2,762.56
1/4		1/4		1/4		1/4	4,911.13	1/4	4,561.03	1/4	4,199.83	1/4	3,838.63	1/4	3,477.43	1/4	3,116.23	1/4	2,755.03
1/2		1/2		1/2		1/2	4,903.98	1/2	4,553.51	1/2	4,192.31	1/2	3,831.11	1/2	3,469.91	1/2	3,108.71	1/2	2,747.51
3/4		3/4		3/4		3/4	4,896.84	3/4	4,545.98	3/4	4,184.78	3/4	3,823.58	3/4	3,462.38	3/4	3,101.18	3/4	2,739.98
8		8		8		8	4,889.70	8	4,538.46	8	4,177.26	8	3,816.06	8	3,454.86	8	3,093.66	8	2,732.46
1/4		1/4		1/4		1/4	4,882.56	1/4	4,530.93	1/4	4,169.73	1/4	3,808.53	1/4	3,447.33	1/4	3,086.13	1/4	2,724.93
1/2		1/2		1/2		1/2	4,875.41	1/2	4,523.41	1/2	4,162.21	1/2	3,801.01	1/2	3,439.81	1/2	3,078.61	1/2	2,717.41
3/4		3/4		3/4		3/4	4,868.27	3/4	4,515.88	3/4	4,154.68	3/4	3,793.48	3/4	3,432.28	3/4	3,071.08	3/4	2,709.88
9		9		9		9	4,861.13	9	4,508.36	9	4,147.16	9	3,785.96	9	3,424.76	9	3,063.56	9	2,702.36
1/4		1/4		1/4		1/4	4,853.99	1/4	4,500.83	1/4	4,139.63	1/4	3,778.43	1/4	3,417.23	1/4	3,056.03	1/4	2,694.83
1/2		1/2		1/2		1/2	4,846.84	1/2	4,493.31	1/2	4,132.11	1/2	3,770.91	1/2	3,409.71	1/2	3,048.51	1/2	2,687.31
3/4		3/4		3/4		3/4	4,839.70	3/4	4,485.78	3/4	4,124.58	3/4	3,763.38	3/4	3,402.18	3/4	3,040.98	3/4	2,679.78
10		10		10		10	4,832.56	10	4,478.26	10	4,117.06	10	3,755.86	10	3,394.66	10	3,033.46	10	2,672.26
1/4		1/4		1/4		1/4	4,825.42	1/4	4,470.73	1/4	4,109.53	1/4	3,748.33	1/4	3,387.13	1/4	3,025.93	1/4	2,664.73
1/2		1/2		1/2		1/2	4,818.28	1/2	4,463.21	1/2	4,102.01	1/2	3,740.81	1/2	3,379.61	1/2	3,018.41	1/2	2,657.21
3/4		3/4		3/4		3/4	4,811.14	3/4	4,455.68	3/4	4,094.48	3/4	3,733.28	3/4	3,372.08	3/4	3,010.88	3/4	2,649.68
11		11		11		11	4,804.00	11	4,448.16	11	4,086.96	11	3,725.76	11	3,364.56	11	3,003.36	11	2,642.16
1/4		1/4		1/4		1/4	4,796.86	1/4	4,440.63	1/4	4,079.43	1/4	3,718.23	1/4	3,357.03	1/4	2,995.83	1/4	2,634.63
1/2		1/2		1/2		1/2	4,789.71	1/2	4,433.11	1/2	4,071.91	1/2	3,710.71	1/2	3,349.51	1/2	2,988.31	1/2	2,627.11
3/4		3/4		3/4		3/4	4,782.57	3/4	4,425.58	3/4	4,064.38	3/4	3,703.18	3/4	3,341.98	3/4	2,980.78	3/4	2,619.58

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 41'-03" FORWARD OF AFT BULKHEAD

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



BARGE "HTCO 3072"

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

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/24/2009 INS
RECALCULATED: 08/08/2019 CL
REPRINTED: 08/08/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019

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



BARGE "HTCO 3072"

2 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 17'-02 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	5,090.12	0	4,761.14	0	4,403.01	0	4,041.81	0	3,680.61	0	3,319.41	0	2,958.21
1/4		1/4		1/4		1/4	5,085.86	1/4	4,754.00	1/4	4,395.48	1/4	4,034.28	1/4	3,673.08	1/4	3,311.88	1/4	2,950.68
1/2		1/2		1/2		1/2	5,080.53	1/2	4,746.86	1/2	4,387.96	1/2	4,026.76	1/2	3,665.56	1/2	3,304.36	1/2	2,943.16
3/4		3/4		3/4		3/4	5,075.21	3/4	4,739.72	3/4	4,380.43	3/4	4,019.23	3/4	3,658.03	3/4	3,296.83	3/4	2,935.63
1	1	1	1	1	1	1	5,069.88	1	4,732.57	1	4,372.91	1	4,011.71	1	3,650.51	1	3,289.31	1	2,928.11
1/4		1/4		1/4		1/4	5,064.55	1/4	4,725.43	1/4	4,365.38	1/4	4,004.18	1/4	3,642.98	1/4	3,281.78	1/4	2,920.58
1/2		1/2		1/2		1/2	5,058.20	1/2	4,718.19	1/2	4,357.86	1/2	3,996.66	1/2	3,635.46	1/2	3,274.26	1/2	2,913.06
3/4		3/4		3/4		3/4	5,051.85	3/4	4,710.96	3/4	4,350.33	3/4	3,989.13	3/4	3,627.93	3/4	3,266.73	3/4	2,905.53
2	2	2	2	2	2	2	5,045.49	2	4,703.72	2	4,342.81	2	3,981.61	2	3,620.41	2	3,259.21	2	2,898.01
1/4		1/4		1/4		1/4	5,039.14	1/4	4,696.48	1/4	4,335.28	1/4	3,974.08	1/4	3,612.88	1/4	3,251.68	1/4	2,890.48
1/2		1/2		1/2		1/2	5,032.13	1/2	4,688.96	1/2	4,327.76	1/2	3,966.56	1/2	3,605.36	1/2	3,244.16	1/2	2,882.96
3/4		3/4		3/4		3/4	5,025.13	3/4	4,681.43	3/4	4,320.23	3/4	3,959.03	3/4	3,597.83	3/4	3,236.63	3/4	2,875.43
3	3	3	3	3	3	3	5,018.12	3	4,673.91	3	4,312.71	3	3,951.51	3	3,590.31	3	3,229.11	3	2,867.91
1/4		1/4		1/4		1/4	5,011.11	1/4	4,666.38	1/4	4,305.18	1/4	3,943.98	1/4	3,582.78	1/4	3,221.58	1/4	2,860.38
1/2		1/2		1/2		1/2	5,003.97	1/2	4,658.86	1/2	4,297.66	1/2	3,936.46	1/2	3,575.26	1/2	3,214.06	1/2	2,852.86
3/4		3/4		3/4		3/4	4,996.83	3/4	4,651.33	3/4	4,290.13	3/4	3,928.93	3/4	3,567.73	3/4	3,206.53	3/4	2,845.33
4	4	4	4	4	4	4	4,989.68	4	4,643.81	4	4,282.61	4	3,921.41	4	3,560.21	4	3,199.01	4	2,837.81
1/4		1/4		1/4		1/4	4,982.54	1/4	4,636.28	1/4	4,275.08	1/4	3,913.88	1/4	3,552.68	1/4	3,191.48	1/4	2,830.28
1/2		1/2		1/2		1/2	4,975.40	1/2	4,628.76	1/2	4,267.56	1/2	3,906.36	1/2	3,545.16	1/2	3,183.96	1/2	2,822.76
3/4		3/4		3/4		3/4	4,968.26	3/4	4,621.23	3/4	4,260.03	3/4	3,898.83	3/4	3,537.63	3/4	3,176.43	3/4	2,815.23
5	5	5	5	5	5	5	4,961.12	5	4,613.71	5	4,252.51	5	3,891.31	5	3,530.11	5	3,168.91	5	2,807.71
1/4		1/4		1/4		1/4	4,953.98	1/4	4,606.18	1/4	4,244.98	1/4	3,883.78	1/4	3,522.58	1/4	3,161.38	1/4	2,800.18
1/2		1/2		1/2		1/2	4,946.84	1/2	4,598.66	1/2	4,237.46	1/2	3,876.26	1/2	3,515.06	1/2	3,153.86	1/2	2,792.66
3/4		3/4		3/4		3/4	4,939.70	3/4	4,591.13	3/4	4,229.93	3/4	3,868.73	3/4	3,507.53	3/4	3,146.33	3/4	2,785.13
6	6	6	6	6	6	6	4,932.55	6	4,583.61	6	4,222.41	6	3,861.21	6	3,500.01	6	3,138.81	6	2,777.61
1/4		1/4		1/4		1/4	4,925.41	1/4	4,576.08	1/4	4,214.88	1/4	3,853.68	1/4	3,492.48	1/4	3,131.28	1/4	2,770.08
1/2		1/2		1/2		1/2	4,918.27	1/2	4,568.56	1/2	4,207.36	1/2	3,846.16	1/2	3,484.96	1/2	3,123.76	1/2	2,762.56
3/4		3/4		3/4		3/4	4,911.13	3/4	4,561.03	3/4	4,199.83	3/4	3,838.63	3/4	3,477.43	3/4	3,116.23	3/4	2,755.03
7	7	7	7	7	7	7	4,903.98	7	4,553.51	7	4,192.31	7	3,831.11	7	3,469.91	7	3,108.71	7	2,747.51
1/4		1/4		1/4		1/4	4,896.84	1/4	4,545.98	1/4	4,184.78	1/4	3,823.58	1/4	3,462.38	1/4	3,101.18	1/4	2,739.98
1/2		1/2		1/2		1/2	4,889.70	1/2	4,538.46	1/2	4,177.26	1/2	3,816.06	1/2	3,454.86	1/2	3,093.66	1/2	2,732.46
3/4		3/4		3/4		3/4	4,882.56	3/4	4,530.93	3/4	4,169.73	3/4	3,808.53	3/4	3,447.33	3/4	3,086.13	3/4	2,724.93
8	8	8	8	8	8	8	4,875.41	8	4,523.41	8	4,162.21	8	3,801.01	8	3,439.81	8	3,078.61	8	2,717.41
1/4		1/4		1/4		1/4	4,868.27	1/4	4,515.88	1/4	4,154.68	1/4	3,793.48	1/4	3,432.28	1/4	3,071.08	1/4	2,709.88
1/2		1/2		1/2		1/2	4,861.13	1/2	4,508.36	1/2	4,147.16	1/2	3,785.96	1/2	3,424.76	1/2	3,063.56	1/2	2,702.36
3/4		3/4		3/4		3/4	4,853.99	3/4	4,500.83	3/4	4,139.63	3/4	3,778.43	3/4	3,417.23	3/4	3,056.03	3/4	2,694.83
9	9	9	9	9	9	9	4,846.84	9	4,493.31	9	4,132.11	9	3,770.91	9	3,409.71	9	3,048.51	9	2,687.31
1/4		1/4		1/4		1/4	4,839.70	1/4	4,485.78	1/4	4,124.58	1/4	3,763.38	1/4	3,402.18	1/4	3,040.98	1/4	2,679.78
1/2		1/2		1/2		1/2	4,832.56	1/2	4,478.26	1/2	4,117.06	1/2	3,755.86	1/2	3,394.66	1/2	3,033.46	1/2	2,672.26
3/4		3/4		3/4		3/4	4,825.42	3/4	4,470.73	3/4	4,109.53	3/4	3,748.33	3/4	3,387.13	3/4	3,025.93	3/4	2,664.73
10	10	10	10	10	10	10	4,818.28	10	4,463.21	10	4,102.01	10	3,740.81	10	3,379.61	10	3,018.41	10	2,657.21
1/4		1/4		1/4		1/4	4,811.14	1/4	4,455.68	1/4	4,094.48	1/4	3,733.28	1/4	3,372.08	1/4	3,010.88	1/4	2,649.68
1/2		1/2		1/2		1/2	4,804.00	1/2	4,448.16	1/2	4,086.96	1/2	3,725.76	1/2	3,364.56	1/2	3,003.36	1/2	2,642.16
3/4		3/4		3/4		3/4	4,796.86	3/4	4,440.63	3/4	4,079.43	3/4	3,718.23	3/4	3,357.03	3/4	2,995.83	3/4	2,634.63
11	11	11	11	11	11	11	4,789.71	11	4,433.11	11	4,071.91	11	3,710.71	11	3,349.51	11	2,988.31	11	2,627.11
1/4		1/4		1/4		1/4	4,782.57	1/4	4,425.58	1/4	4,064.38	1/4	3,703.18	1/4	3,341.98	1/4	2,980.78	1/4	2,619.58
1/2		1/2		1/2		1/2	4,775.43	1/2	4,418.06	1/2	4,056.86	1/2	3,695.66	1/2	3,334.46	1/2	2,973.26	1/2	2,612.06
3/4		3/4		3/4		3/4	4,768.29	3/4	4,410.53	3/4	4,049.33	3/4	3,688.13	3/4	3,326.93	3/4	2,965.73	3/4	2,604.53

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 41'-03" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "HTCO 3072"

2 STBD

ULLAGE TABLE HERMETIC

GAUGE HEIGHT 17'-02 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	2,597.01	0	2,235.81	0	1,874.61	0	1,513.41	0	1,152.20	0	791.00	0	429.80	0	76.88	0		0	
1/4	2,589.48	1/4	2,228.28	1/4	1,867.08	1/4	1,505.88	1/4	1,144.68	1/4	783.48	1/4	422.28	1/4	69.95	1/4		1/4	
1/2	2,581.96	1/2	2,220.76	1/2	1,859.56	1/2	1,498.36	1/2	1,137.15	1/2	775.95	1/2	414.75	1/2	63.14	1/2		1/2	
3/4	2,574.43	3/4	2,213.23	3/4	1,852.03	3/4	1,490.83	3/4	1,129.63	3/4	768.43	3/4	407.23	3/4	56.33	3/4		3/4	
1	2,566.91	1	2,205.71	1	1,844.51	1	1,483.31	1	1,122.10	1	760.90	1	399.70	1	49.52	1		1	
1/4	2,559.38	1/4	2,198.18	1/4	1,836.98	1/4	1,475.78	1/4	1,114.58	1/4	753.38	1/4	392.18	1/4	42.71	1/4		1/4	
1/2	2,551.86	1/2	2,190.66	1/2	1,829.46	1/2	1,468.26	1/2	1,107.05	1/2	745.85	1/2	384.65	1/2	37.43	1/2		1/2	
3/4	2,544.33	3/4	2,183.13	3/4	1,821.93	3/4	1,460.73	3/4	1,099.53	3/4	738.33	3/4	377.13	3/4	32.15	3/4		3/4	
2	2,536.81	2	2,175.61	2	1,814.41	2	1,453.21	2	1,092.00	2	730.80	2	369.60	2	26.87	2		2	
1/4	2,529.28	1/4	2,168.08	1/4	1,806.88	1/4	1,445.68	1/4	1,084.48	1/4	723.28	1/4	362.08	1/4	21.59	1/4		1/4	
1/2	2,521.76	1/2	2,160.56	1/2	1,799.36	1/2	1,438.16	1/2	1,076.95	1/2	715.75	1/2	354.55	1/2	18.06	1/2		1/2	
3/4	2,514.23	3/4	2,153.03	3/4	1,791.83	3/4	1,430.63	3/4	1,069.43	3/4	708.23	3/4	347.03	3/4		3/4		3/4	
3	2,506.71	3	2,145.51	3	1,784.31	3	1,423.11	3	1,061.90	3	700.70	3	339.50	3		3		3	
1/4	2,499.18	1/4	2,137.98	1/4	1,776.78	1/4	1,415.58	1/4	1,054.38	1/4	693.18	1/4	331.98	1/4		1/4		1/4	
1/2	2,491.66	1/2	2,130.46	1/2	1,769.26	1/2	1,408.06	1/2	1,046.85	1/2	685.65	1/2	324.45	1/2		1/2		1/2	
3/4	2,484.13	3/4	2,122.93	3/4	1,761.73	3/4	1,400.53	3/4	1,039.33	3/4	678.13	3/4	316.93	3/4		3/4		3/4	
4	2,476.61	4	2,115.41	4	1,754.21	4	1,393.01	4	1,031.80	4	670.60	4	309.40	4		4		4	
1/4	2,469.08	1/4	2,107.88	1/4	1,746.68	1/4	1,385.48	1/4	1,024.28	1/4	663.08	1/4	301.88	1/4		1/4		1/4	
1/2	2,461.56	1/2	2,100.36	1/2	1,739.16	1/2	1,377.96	1/2	1,016.75	1/2	655.55	1/2	294.35	1/2		1/2		1/2	
3/4	2,454.03	3/4	2,092.83	3/4	1,731.63	3/4	1,370.43	3/4	1,009.23	3/4	648.03	3/4	286.83	3/4		3/4		3/4	
5	2,446.51	5	2,085.31	5	1,724.11	5	1,362.91	5	1,001.70	5	640.50	5	279.30	5		5		5	
1/4	2,438.98	1/4	2,077.78	1/4	1,716.58	1/4	1,355.38	1/4	994.18	1/4	632.98	1/4	271.78	1/4		1/4		1/4	
1/2	2,431.46	1/2	2,070.26	1/2	1,709.06	1/2	1,347.86	1/2	986.65	1/2	625.45	1/2	264.25	1/2		1/2		1/2	
3/4	2,423.93	3/4	2,062.73	3/4	1,701.53	3/4	1,340.33	3/4	979.13	3/4	617.93	3/4	256.73	3/4		3/4		3/4	
6	2,416.41	6	2,055.21	6	1,694.01	6	1,332.80	6	971.60	6	610.40	6	249.20	6		6		6	
1/4	2,408.88	1/4	2,047.68	1/4	1,686.48	1/4	1,325.28	1/4	964.08	1/4	602.88	1/4	241.68	1/4		1/4		1/4	
1/2	2,401.36	1/2	2,040.16	1/2	1,678.96	1/2	1,317.75	1/2	956.55	1/2	595.35	1/2	234.15	1/2		1/2		1/2	
3/4	2,393.83	3/4	2,032.63	3/4	1,671.43	3/4	1,310.23	3/4	949.03	3/4	587.83	3/4	226.63	3/4		3/4		3/4	
7	2,386.31	7	2,025.11	7	1,663.91	7	1,302.70	7	941.50	7	580.30	7	219.10	7		7		7	
1/4	2,378.78	1/4	2,017.58	1/4	1,656.38	1/4	1,295.18	1/4	933.98	1/4	572.78	1/4	211.58	1/4		1/4		1/4	
1/2	2,371.26	1/2	2,010.06	1/2	1,648.86	1/2	1,287.65	1/2	926.45	1/2	565.25	1/2	204.05	1/2		1/2		1/2	
3/4	2,363.73	3/4	2,002.53	3/4	1,641.33	3/4	1,280.13	3/4	918.93	3/4	557.73	3/4	196.53	3/4		3/4		3/4	
8	2,356.21	8	1,995.01	8	1,633.81	8	1,272.60	8	911.40	8	550.20	8	189.00	8		8		8	
1/4	2,348.68	1/4	1,987.48	1/4	1,626.28	1/4	1,265.08	1/4	903.88	1/4	542.68	1/4	181.48	1/4		1/4		1/4	
1/2	2,341.16	1/2	1,979.96	1/2	1,618.76	1/2	1,257.55	1/2	896.35	1/2	535.15	1/2	174.40	1/2		1/2		1/2	
3/4	2,333.63	3/4	1,972.43	3/4	1,611.23	3/4	1,250.03	3/4	888.83	3/4	527.63	3/4	167.31	3/4		3/4		3/4	
9	2,326.11	9	1,964.91	9	1,603.71	9	1,242.50	9	881.30	9	520.10	9	160.23	9		9		9	
1/4	2,318.58	1/4	1,957.38	1/4	1,596.18	1/4	1,234.98	1/4	873.78	1/4	512.58	1/4	153.15	1/4		1/4		1/4	
1/2	2,311.06	1/2	1,949.86	1/2	1,588.66	1/2	1,227.45	1/2	866.25	1/2	505.05	1/2	146.22	1/2		1/2		1/2	
3/4	2,303.53	3/4	1,942.33	3/4	1,581.13	3/4	1,219.93	3/4	858.73	3/4	497.53	3/4	139.28	3/4		3/4		3/4	
10	2,296.01	10	1,934.81	10	1,573.61	10	1,212.40	10	851.20	10	490.00	10	132.35	10		10		10	
1/4	2,288.48	1/4	1,927.28	1/4	1,566.08	1/4	1,204.88	1/4	843.68	1/4	482.48	1/4	125.42	1/4		1/4		1/4	
1/2	2,280.96	1/2	1,919.76	1/2	1,558.56	1/2	1,197.35	1/2	836.15	1/2	474.95	1/2	118.48	1/2		1/2		1/2	
3/4	2,273.43	3/4	1,912.23	3/4	1,551.03	3/4	1,189.83	3/4	828.63	3/4	467.43	3/4	111.55	3/4		3/4		3/4	
11	2,265.91	11	1,904.71	11	1,543.51	11	1,182.30	11	821.10	11	459.90	11	104.61	11		11		11	
1/4	2,258.38	1/4	1,897.18	1/4	1,535.98	1/4	1,174.78	1/4	813.58	1/4	452.38	1/4	97.68	1/4		1/4		1/4	
1/2	2,250.86	1/2	1,889.66	1/2	1,528.46	1/2	1,167.25	1/2	806.05	1/2	444.85	1/2	90.75	1/2		1/2		1/2	
3/4	2,243.33	3/4	1,882.13	3/4	1,520.93	3/4	1,159.73	3/4	798.53	3/4	437.33	3/4	83.81	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/24/2009 INS
RECALCULATED: 08/08/2019 CL
REPRINTED: 08/08/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019

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



BARGE "HTCO 3072"

3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,454.98	0	4,201.35	0	3,947.72	0	3,694.09	0	3,383.22	0	3,017.36
1/4		1/4		1/4		1/4		1/4	4,449.70	1/4	4,196.07	1/4	3,942.43	1/4	3,688.80	1/4	3,375.60	1/4	3,009.74
1/2		1/2		1/2		1/2		1/2	4,687.65	1/2	4,444.41	1/2	4,190.78	1/2	3,937.15	1/2	3,683.52	1/2	3,367.97
3/4		3/4		3/4		3/4		3/4	4,684.52	3/4	4,439.13	3/4	4,185.50	3/4	3,931.86	3/4	3,678.23	3/4	3,360.35
1		1		1		1		1	4,680.61	1	4,433.85	1	4,180.22	1	3,926.58	1	3,672.95	1	3,352.73
1/4		1/4		1/4		1/4		1/4	4,676.70	1/4	4,428.56	1/4	4,174.93	1/4	3,921.30	1/4	3,667.67	1/4	3,345.11
1/2		1/2		1/2		1/2		1/2	4,672.79	1/2	4,423.28	1/2	4,169.65	1/2	3,916.01	1/2	3,662.38	1/2	3,337.48
3/4		3/4		3/4		3/4		3/4	4,668.88	3/4	4,417.99	3/4	4,164.36	3/4	3,910.73	3/4	3,657.10	3/4	3,329.86
2		2		2		2		2	4,664.18	2	4,412.71	2	4,159.08	2	3,905.45	2	3,651.78	2	3,322.24
1/4		1/4		1/4		1/4		1/4	4,659.49	1/4	4,407.43	1/4	4,153.79	1/4	3,900.16	1/4	3,646.47	1/4	3,314.62
1/2		1/2		1/2		1/2		1/2	4,654.79	1/2	4,402.14	1/2	4,148.51	1/2	3,894.88	1/2	3,641.15	1/2	3,307.00
3/4		3/4		3/4		3/4		3/4	4,650.09	3/4	4,396.86	3/4	4,143.22	3/4	3,889.59	3/4	3,635.83	3/4	3,299.38
3		3		3		3		3	4,644.91	3	4,391.58	3	4,137.94	3	3,884.31	3	3,630.27	3	3,291.76
1/4		1/4		1/4		1/4		1/4	4,639.72	1/4	4,386.29	1/4	4,132.66	1/4	3,879.03	1/4	3,624.71	1/4	3,284.14
1/2		1/2		1/2		1/2		1/2	4,634.54	1/2	4,381.01	1/2	4,127.37	1/2	3,873.74	1/2	3,619.14	1/2	3,276.51
3/4		3/4		3/4		3/4		3/4	4,629.35	3/4	4,375.72	3/4	4,122.09	3/4	3,868.46	3/4	3,613.58	3/4	3,268.89
4		4		4		4		4	4,624.07	4	4,370.44	4	4,116.81	4	3,863.18	4	3,607.69	4	3,261.27
1/4		1/4		1/4		1/4		1/4	4,618.79	1/4	4,365.15	1/4	4,111.52	1/4	3,857.89	1/4	3,601.80	1/4	3,253.65
1/2		1/2		1/2		1/2		1/2	4,613.50	1/2	4,359.87	1/2	4,106.24	1/2	3,852.61	1/2	3,595.91	1/2	3,246.02
3/4		3/4		3/4		3/4		3/4	4,608.22	3/4	4,354.58	3/4	4,100.95	3/4	3,847.32	3/4	3,590.02	3/4	3,238.40
5		5		5		5		5	4,602.94	5	4,349.30	5	4,095.67	5	3,842.04	5	3,583.79	5	3,230.78
1/4		1/4		1/4		1/4		1/4	4,597.65	1/4	4,344.02	1/4	4,090.39	1/4	3,836.75	1/4	3,577.55	1/4	3,223.16
1/2		1/2		1/2		1/2		1/2	4,592.37	1/2	4,338.73	1/2	4,085.10	1/2	3,831.47	1/2	3,571.32	1/2	3,215.53
3/4		3/4		3/4		3/4		3/4	4,587.08	3/4	4,333.45	3/4	4,079.82	3/4	3,826.18	3/4	3,565.08	3/4	3,207.91
6		6		6		6		6	4,581.80	6	4,328.17	6	4,074.54	6	3,820.90	6	3,558.50	6	3,200.29
1/4		1/4		1/4		1/4		1/4	4,576.51	1/4	4,322.88	1/4	4,069.25	1/4	3,815.62	1/4	3,551.92	1/4	3,192.67
1/2		1/2		1/2		1/2		1/2	4,571.23	1/2	4,317.60	1/2	4,063.97	1/2	3,810.33	1/2	3,545.34	1/2	3,185.04
3/4		3/4		3/4		3/4		3/4	4,565.94	3/4	4,312.31	3/4	4,058.68	3/4	3,805.05	3/4	3,538.76	3/4	3,177.42
7		7		7		7		7	4,560.66	7	4,307.03	7	4,053.40	7	3,799.77	7	3,531.83	7	3,169.80
1/4		1/4		1/4		1/4		1/4	4,555.38	1/4	4,301.75	1/4	4,048.11	1/4	3,794.48	1/4	3,524.91	1/4	3,162.18
1/2		1/2		1/2		1/2		1/2	4,550.09	1/2	4,296.46	1/2	4,042.83	1/2	3,789.20	1/2	3,517.98	1/2	3,154.56
3/4		3/4		3/4		3/4		3/4	4,544.81	3/4	4,291.18	3/4	4,037.54	3/4	3,783.91	3/4	3,511.05	3/4	3,146.94
8		8		8		8		8	4,539.53	8	4,285.90	8	4,032.26	8	3,778.63	8	3,503.78	8	3,139.32
1/4		1/4		1/4		1/4		1/4	4,534.24	1/4	4,280.61	1/4	4,026.98	1/4	3,773.35	1/4	3,496.50	1/4	3,131.70
1/2		1/2		1/2		1/2		1/2	4,528.96	1/2	4,275.33	1/2	4,021.69	1/2	3,768.06	1/2	3,489.23	1/2	3,124.07
3/4		3/4		3/4		3/4		3/4	4,523.67	3/4	4,270.04	3/4	4,016.41	3/4	3,762.78	3/4	3,481.95	3/4	3,116.45
9		9		9		9		9	4,518.39	9	4,264.76	9	4,011.13	9	3,757.50	9	3,474.42	9	3,108.83
1/4		1/4		1/4		1/4		1/4	4,513.11	1/4	4,259.47	1/4	4,005.84	1/4	3,752.21	1/4	3,466.89	1/4	3,101.21
1/2		1/2		1/2		1/2		1/2	4,507.82	1/2	4,254.19	1/2	4,000.56	1/2	3,746.93	1/2	3,459.35	1/2	3,093.58
3/4		3/4		3/4		3/4		3/4	4,502.54	3/4	4,248.90	3/4	3,995.27	3/4	3,741.64	3/4	3,451.82	3/4	3,085.96
10		10		10		10		10	4,497.26	10	4,243.62	10	3,989.99	10	3,736.36	10	3,444.20	10	3,078.34
1/4		1/4		1/4		1/4		1/4	4,491.97	1/4	4,238.34	1/4	3,984.71	1/4	3,731.07	1/4	3,436.58	1/4	3,070.72
1/2		1/2		1/2		1/2		1/2	4,486.69	1/2	4,233.05	1/2	3,979.42	1/2	3,725.79	1/2	3,428.95	1/2	3,063.09
3/4		3/4		3/4		3/4		3/4	4,481.40	3/4	4,227.77	3/4	3,974.14	3/4	3,720.50	3/4	3,421.33	3/4	3,055.47
11		11		11		11		11	4,476.12	11	4,222.49	11	3,968.86	11	3,715.22	11	3,413.71	11	3,047.85
1/4		1/4		1/4		1/4		1/4	4,470.83	1/4	4,217.20	1/4	3,963.57	1/4	3,709.94	1/4	3,406.09	1/4	3,040.23
1/2		1/2		1/2		1/2		1/2	4,465.55	1/2	4,211.92	1/2	3,958.29	1/2	3,704.65	1/2	3,398.46	1/2	3,032.60
3/4		3/4		3/4		3/4		3/4	4,460.26	3/4	4,206.63	3/4	3,953.00	3/4	3,699.37	3/4	3,390.84	3/4	3,024.98

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "HTCO 3072"

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

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,651.51	0	2,285.65	0	1,919.80	0	1,553.94	0	1,188.08	0	823.49	0	458.89	0	96.54	0		0	
1/4	2,643.89	1/4	2,278.03	1/4	1,912.18	1/4	1,546.32	1/4	1,180.46	1/4	815.91	1/4	451.29	1/4	89.18	1/4		1/4	
1/2	2,636.26	1/2	2,270.40	1/2	1,904.55	1/2	1,538.69	1/2	1,172.84	1/2	808.34	1/2	443.68	1/2	81.81	1/2		1/2	
3/4	2,628.64	3/4	2,262.78	3/4	1,896.93	3/4	1,531.07	3/4	1,165.22	3/4	800.76	3/4	436.07	3/4	74.44	3/4		3/4	
1	2,621.02	1	2,255.16	1	1,889.31	1	1,523.45	1	1,157.60	1	793.18	1	428.46	1	67.21	1		1	
1/4	2,613.40	1/4	2,247.54	1/4	1,881.69	1/4	1,515.83	1/4	1,149.98	1/4	785.61	1/4	420.85	1/4	59.97	1/4		1/4	
1/2	2,605.77	1/2	2,239.92	1/2	1,874.06	1/2	1,508.20	1/2	1,142.35	1/2	778.03	1/2	413.24	1/2	52.74	1/2		1/2	
3/4	2,598.15	3/4	2,232.30	3/4	1,866.44	3/4	1,500.58	3/4	1,134.73	3/4	770.45	3/4	405.63	3/4	45.50	3/4		3/4	
2	2,590.53	2	2,224.68	2	1,858.82	2	1,492.96	2	1,127.11	2	762.87	2	398.02	2	39.90	2		2	
1/4	2,582.91	1/4	2,217.06	1/4	1,851.20	1/4	1,485.34	1/4	1,119.49	1/4	755.30	1/4	390.42	1/4	34.30	1/4		1/4	
1/2	2,575.28	1/2	2,209.43	1/2	1,843.57	1/2	1,477.72	1/2	1,111.86	1/2	747.72	1/2	382.81	1/2	28.70	1/2		1/2	
3/4	2,567.66	3/4	2,201.81	3/4	1,835.95	3/4	1,470.10	3/4	1,104.24	3/4	740.14	3/4	375.20	3/4	23.10	3/4		3/4	
3	2,560.04	3	2,194.19	3	1,828.33	3	1,462.48	3	1,096.62	3	732.56	3	367.59	3	19.31	3		3	
1/4	2,552.42	1/4	2,186.57	1/4	1,820.71	1/4	1,454.86	1/4	1,089.00	1/4	724.99	1/4	359.98	1/4		1/4		1/4	
1/2	2,544.80	1/2	2,178.94	1/2	1,813.08	1/2	1,447.23	1/2	1,081.37	1/2	717.41	1/2	352.37	1/2		1/2		1/2	
3/4	2,537.18	3/4	2,171.32	3/4	1,805.46	3/4	1,439.61	3/4	1,073.75	3/4	709.83	3/4	344.76	3/4		3/4		3/4	
4	2,529.56	4	2,163.70	4	1,797.84	4	1,431.99	4	1,066.13	4	702.25	4	337.15	4		4		4	
1/4	2,521.94	1/4	2,156.08	1/4	1,790.22	1/4	1,424.37	1/4	1,058.51	1/4	694.68	1/4	329.54	1/4		1/4		1/4	
1/2	2,514.31	1/2	2,148.45	1/2	1,782.60	1/2	1,416.74	1/2	1,050.88	1/2	687.10	1/2	321.93	1/2		1/2		1/2	
3/4	2,506.69	3/4	2,140.83	3/4	1,774.98	3/4	1,409.12	3/4	1,043.26	3/4	679.52	3/4	314.32	3/4		3/4		3/4	
5	2,499.07	5	2,133.21	5	1,767.36	5	1,401.50	5	1,035.67	5	671.92	5	306.71	5		5		5	
1/4	2,491.45	1/4	2,125.59	1/4	1,759.74	1/4	1,393.88	1/4	1,028.09	1/4	664.32	1/4	299.11	1/4		1/4		1/4	
1/2	2,483.82	1/2	2,117.96	1/2	1,752.11	1/2	1,386.25	1/2	1,020.50	1/2	656.72	1/2	291.50	1/2		1/2		1/2	
3/4	2,476.20	3/4	2,110.34	3/4	1,744.49	3/4	1,378.63	3/4	1,012.91	3/4	649.12	3/4	283.89	3/4		3/4		3/4	
6	2,468.58	6	2,102.72	6	1,736.87	6	1,371.01	6	1,005.33	6	641.51	6	276.28	6		6		6	
1/4	2,460.96	1/4	2,095.10	1/4	1,729.25	1/4	1,363.39	1/4	997.76	1/4	633.90	1/4	268.67	1/4		1/4		1/4	
1/2	2,453.33	1/2	2,087.48	1/2	1,721.62	1/2	1,355.76	1/2	990.18	1/2	626.29	1/2	261.06	1/2		1/2		1/2	
3/4	2,445.71	3/4	2,079.86	3/4	1,714.00	3/4	1,348.14	3/4	982.60	3/4	618.68	3/4	253.45	3/4		3/4		3/4	
7	2,438.09	7	2,072.24	7	1,706.38	7	1,340.52	7	975.03	7	611.07	7	245.84	7		7		7	
1/4	2,430.47	1/4	2,064.62	1/4	1,698.76	1/4	1,332.90	1/4	967.45	1/4	603.47	1/4	238.24	1/4		1/4		1/4	
1/2	2,422.84	1/2	2,056.99	1/2	1,691.13	1/2	1,325.28	1/2	959.88	1/2	595.86	1/2	230.63	1/2		1/2		1/2	
3/4	2,415.22	3/4	2,049.37	3/4	1,683.51	3/4	1,317.66	3/4	952.30	3/4	588.25	3/4	223.02	3/4		3/4		3/4	
8	2,407.60	8	2,041.75	8	1,675.89	8	1,310.04	8	944.72	8	580.64	8	215.41	8		8		8	
1/4	2,399.98	1/4	2,034.13	1/4	1,668.27	1/4	1,302.42	1/4	937.15	1/4	573.03	1/4	207.80	1/4		1/4		1/4	
1/2	2,392.36	1/2	2,026.50	1/2	1,660.64	1/2	1,294.79	1/2	929.57	1/2	565.42	1/2	200.19	1/2		1/2		1/2	
3/4	2,384.74	3/4	2,018.88	3/4	1,653.02	3/4	1,287.17	3/4	921.99	3/4	557.81	3/4	192.58	3/4		3/4		3/4	
9	2,377.12	9	2,011.26	9	1,645.40	9	1,279.55	9	914.41	9	550.20	9	185.15	9		9		9	
1/4	2,369.50	1/4	2,003.64	1/4	1,637.78	1/4	1,271.93	1/4	906.84	1/4	542.60	1/4	177.72	1/4		1/4		1/4	
1/2	2,361.87	1/2	1,996.01	1/2	1,630.16	1/2	1,264.30	1/2	899.26	1/2	534.99	1/2	170.29	1/2		1/2		1/2	
3/4	2,354.25	3/4	1,988.39	3/4	1,622.54	3/4	1,256.68	3/4	891.68	3/4	527.38	3/4	162.86	3/4		3/4		3/4	
10	2,346.63	10	1,980.77	10	1,614.92	10	1,249.06	10	884.10	10	519.77	10	155.49	10		10		10	
1/4	2,339.01	1/4	1,973.15	1/4	1,607.30	1/4	1,241.44	1/4	876.53	1/4	512.16	1/4	148.13	1/4		1/4		1/4	
1/2	2,331.38	1/2	1,965.52	1/2	1,599.67	1/2	1,233.81	1/2	868.95	1/2	504.55	1/2	140.76	1/2		1/2		1/2	
3/4	2,323.76	3/4	1,957.90	3/4	1,592.05	3/4	1,226.19	3/4	861.37	3/4	496.94	3/4	133.39	3/4		3/4		3/4	
11	2,316.14	11	1,950.28	11	1,584.43	11	1,218.57	11	853.79	11	489.33	11	126.02	11		11		11	
1/4	2,308.52	1/4	1,942.66	1/4	1,576.81	1/4	1,210.95	1/4	846.22	1/4	481.72	1/4	118.65	1/4		1/4		1/4	
1/2	2,300.89	1/2	1,935.04	1/2	1,569.18	1/2	1,203.32	1/2	838.64	1/2	474.11	1/2	111.28	1/2		1/2		1/2	
3/4	2,293.27	3/4	1,927.42	3/4	1,561.56	3/4	1,195.70	3/4	831.06	3/4	466.50	3/4	103.91	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/24/2009 INS
RECALCULATED: 08/08/2019 CL
REPRINTED: 08/08/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019

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



BARGE "HTCO 3072"

3 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,454.98	0	4,201.35	0	3,947.72	0	3,694.09	0	3,383.22	0	3,017.36
1/4		1/4		1/4		1/4		1/4	4,449.70	1/4	4,196.07	1/4	3,942.43	1/4	3,688.80	1/4	3,375.60	1/4	3,009.74
1/2		1/2		1/2		1/2		1/2	4,687.65	1/2	4,444.41	1/2	4,190.78	1/2	3,937.15	1/2	3,683.52	1/2	3,367.97
3/4		3/4		3/4		3/4		3/4	4,684.52	3/4	4,439.13	3/4	4,185.50	3/4	3,931.86	3/4	3,678.23	3/4	3,360.35
1		1		1		1		1	4,680.61	1	4,433.85	1	4,180.22	1	3,926.58	1	3,672.95	1	3,352.73
1/4		1/4		1/4		1/4		1/4	4,676.70	1/4	4,428.56	1/4	4,174.93	1/4	3,921.30	1/4	3,667.67	1/4	3,345.11
1/2		1/2		1/2		1/2		1/2	4,672.79	1/2	4,423.28	1/2	4,169.65	1/2	3,916.01	1/2	3,662.38	1/2	3,337.48
3/4		3/4		3/4		3/4		3/4	4,668.88	3/4	4,417.99	3/4	4,164.36	3/4	3,910.73	3/4	3,657.10	3/4	3,329.86
2		2		2		2		2	4,664.18	2	4,412.71	2	4,159.08	2	3,905.45	2	3,651.78	2	3,322.24
1/4		1/4		1/4		1/4		1/4	4,659.49	1/4	4,407.43	1/4	4,153.79	1/4	3,900.16	1/4	3,646.47	1/4	3,314.62
1/2		1/2		1/2		1/2		1/2	4,654.79	1/2	4,402.14	1/2	4,148.51	1/2	3,894.88	1/2	3,641.15	1/2	3,307.00
3/4		3/4		3/4		3/4		3/4	4,650.09	3/4	4,396.86	3/4	4,143.22	3/4	3,889.59	3/4	3,635.83	3/4	3,299.38
3		3		3		3		3	4,644.91	3	4,391.58	3	4,137.94	3	3,884.31	3	3,630.27	3	3,291.76
1/4		1/4		1/4		1/4		1/4	4,639.72	1/4	4,386.29	1/4	4,132.66	1/4	3,879.03	1/4	3,624.71	1/4	3,284.14
1/2		1/2		1/2		1/2		1/2	4,634.54	1/2	4,381.01	1/2	4,127.37	1/2	3,873.74	1/2	3,619.14	1/2	3,276.51
3/4		3/4		3/4		3/4		3/4	4,629.35	3/4	4,375.72	3/4	4,122.09	3/4	3,868.46	3/4	3,613.58	3/4	3,268.89
4		4		4		4		4	4,624.07	4	4,370.44	4	4,116.81	4	3,863.18	4	3,607.69	4	3,261.27
1/4		1/4		1/4		1/4		1/4	4,618.79	1/4	4,365.15	1/4	4,111.52	1/4	3,857.89	1/4	3,601.80	1/4	3,253.65
1/2		1/2		1/2		1/2		1/2	4,613.50	1/2	4,359.87	1/2	4,106.24	1/2	3,852.61	1/2	3,595.91	1/2	3,246.02
3/4		3/4		3/4		3/4		3/4	4,608.22	3/4	4,354.58	3/4	4,100.95	3/4	3,847.32	3/4	3,590.02	3/4	3,238.40
5		5		5		5		5	4,602.94	5	4,349.30	5	4,095.67	5	3,842.04	5	3,583.79	5	3,230.78
1/4		1/4		1/4		1/4		1/4	4,597.65	1/4	4,344.02	1/4	4,090.39	1/4	3,836.75	1/4	3,577.55	1/4	3,223.16
1/2		1/2		1/2		1/2		1/2	4,592.37	1/2	4,338.73	1/2	4,085.10	1/2	3,831.47	1/2	3,571.32	1/2	3,215.53
3/4		3/4		3/4		3/4		3/4	4,587.08	3/4	4,333.45	3/4	4,079.82	3/4	3,826.18	3/4	3,565.08	3/4	3,207.91
6		6		6		6		6	4,581.80	6	4,328.17	6	4,074.54	6	3,820.90	6	3,558.50	6	3,200.29
1/4		1/4		1/4		1/4		1/4	4,576.51	1/4	4,322.88	1/4	4,069.25	1/4	3,815.62	1/4	3,551.92	1/4	3,192.67
1/2		1/2		1/2		1/2		1/2	4,571.23	1/2	4,317.60	1/2	4,063.97	1/2	3,810.33	1/2	3,545.34	1/2	3,185.04
3/4		3/4		3/4		3/4		3/4	4,565.94	3/4	4,312.31	3/4	4,058.68	3/4	3,805.05	3/4	3,538.76	3/4	3,177.42
7		7		7		7		7	4,560.66	7	4,307.03	7	4,053.40	7	3,799.77	7	3,531.83	7	3,169.80
1/4		1/4		1/4		1/4		1/4	4,555.38	1/4	4,301.75	1/4	4,048.11	1/4	3,794.48	1/4	3,524.91	1/4	3,162.18
1/2		1/2		1/2		1/2		1/2	4,550.09	1/2	4,296.46	1/2	4,042.83	1/2	3,789.20	1/2	3,517.98	1/2	3,154.56
3/4		3/4		3/4		3/4		3/4	4,544.81	3/4	4,291.18	3/4	4,037.54	3/4	3,783.91	3/4	3,511.05	3/4	3,146.94
8		8		8		8		8	4,539.53	8	4,285.90	8	4,032.26	8	3,778.63	8	3,503.78	8	3,139.32
1/4		1/4		1/4		1/4		1/4	4,534.24	1/4	4,280.61	1/4	4,026.98	1/4	3,773.35	1/4	3,496.50	1/4	3,131.70
1/2		1/2		1/2		1/2		1/2	4,528.96	1/2	4,275.33	1/2	4,021.69	1/2	3,768.06	1/2	3,489.23	1/2	3,124.07
3/4		3/4		3/4		3/4		3/4	4,523.67	3/4	4,270.04	3/4	4,016.41	3/4	3,762.78	3/4	3,481.95	3/4	3,116.45
9		9		9		9		9	4,518.39	9	4,264.76	9	4,011.13	9	3,757.50	9	3,474.42	9	3,108.83
1/4		1/4		1/4		1/4		1/4	4,513.11	1/4	4,259.47	1/4	4,005.84	1/4	3,752.21	1/4	3,466.89	1/4	3,101.21
1/2		1/2		1/2		1/2		1/2	4,507.82	1/2	4,254.19	1/2	4,000.56	1/2	3,746.93	1/2	3,459.35	1/2	3,093.58
3/4		3/4		3/4		3/4		3/4	4,502.54	3/4	4,248.90	3/4	3,995.27	3/4	3,741.64	3/4	3,451.82	3/4	3,085.96
10		10		10		10		10	4,497.26	10	4,243.62	10	3,989.99	10	3,736.36	10	3,444.20	10	3,078.34
1/4		1/4		1/4		1/4		1/4	4,491.97	1/4	4,238.34	1/4	3,984.71	1/4	3,731.07	1/4	3,436.58	1/4	3,070.72
1/2		1/2		1/2		1/2		1/2	4,486.69	1/2	4,233.05	1/2	3,979.42	1/2	3,725.79	1/2	3,428.95	1/2	3,063.09
3/4		3/4		3/4		3/4		3/4	4,481.40	3/4	4,227.77	3/4	3,974.14	3/4	3,720.50	3/4	3,421.33	3/4	3,055.47
11		11		11		11		11	4,476.12	11	4,222.49	11	3,968.86	11	3,715.22	11	3,413.71	11	3,047.85
1/4		1/4		1/4		1/4		1/4	4,470.83	1/4	4,217.20	1/4	3,963.57	1/4	3,709.94	1/4	3,406.09	1/4	3,040.23
1/2		1/2		1/2		1/2		1/2	4,465.55	1/2	4,211.92	1/2	3,958.29	1/2	3,704.65	1/2	3,398.46	1/2	3,032.60
3/4		3/4		3/4		3/4		3/4	4,460.26	3/4	4,206.63	3/4	3,953.00	3/4	3,699.37	3/4	3,390.84	3/4	3,024.98

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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



BARGE "HTCO 3072"

3 STBD

ULLAGE TABLE
HERMETIC

GAUGE HEIGHT 17'-03"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,651.51	0	2,285.65	0	1,919.80	0	1,553.94	0	1,188.08	0	823.49	0	458.89	0	96.54	0			
1/4	2,643.89	1/4	2,278.03	1/4	1,912.18	1/4	1,546.32	1/4	1,180.46	1/4	815.91	1/4	451.29	1/4	89.18	1/4			
1/2	2,636.26	1/2	2,270.40	1/2	1,904.55	1/2	1,538.69	1/2	1,172.84	1/2	808.34	1/2	443.68	1/2	81.81	1/2			
3/4	2,628.64	3/4	2,262.78	3/4	1,896.93	3/4	1,531.07	3/4	1,165.22	3/4	800.76	3/4	436.07	3/4	74.44	3/4			
1	2,621.02	1	2,255.16	1	1,889.31	1	1,523.45	1	1,157.60	1	793.18	1	428.46	1	67.21	1			
1/4	2,613.40	1/4	2,247.54	1/4	1,881.69	1/4	1,515.83	1/4	1,149.98	1/4	785.61	1/4	420.85	1/4	59.97	1/4			
1/2	2,605.77	1/2	2,239.92	1/2	1,874.06	1/2	1,508.20	1/2	1,142.35	1/2	778.03	1/2	413.24	1/2	52.74	1/2			
3/4	2,598.15	3/4	2,232.30	3/4	1,866.44	3/4	1,500.58	3/4	1,134.73	3/4	770.45	3/4	405.63	3/4	45.50	3/4			
2	2,590.53	2	2,224.68	2	1,858.82	2	1,492.96	2	1,127.11	2	762.87	2	398.02	2	39.90	2			
1/4	2,582.91	1/4	2,217.06	1/4	1,851.20	1/4	1,485.34	1/4	1,119.49	1/4	755.30	1/4	390.42	1/4	34.30	1/4			
1/2	2,575.28	1/2	2,209.43	1/2	1,843.57	1/2	1,477.72	1/2	1,111.86	1/2	747.72	1/2	382.81	1/2	28.70	1/2			
3/4	2,567.66	3/4	2,201.81	3/4	1,835.95	3/4	1,470.10	3/4	1,104.24	3/4	740.14	3/4	375.20	3/4	23.10	3/4			
3	2,560.04	3	2,194.19	3	1,828.33	3	1,462.48	3	1,096.62	3	732.56	3	367.59	3	19.31	3			
1/4	2,552.42	1/4	2,186.57	1/4	1,820.71	1/4	1,454.86	1/4	1,089.00	1/4	724.99	1/4	359.98	1/4		1/4			
1/2	2,544.80	1/2	2,178.94	1/2	1,813.08	1/2	1,447.23	1/2	1,081.37	1/2	717.41	1/2	352.37	1/2		1/2			
3/4	2,537.18	3/4	2,171.32	3/4	1,805.46	3/4	1,439.61	3/4	1,073.75	3/4	709.83	3/4	344.76	3/4		3/4			
4	2,529.56	4	2,163.70	4	1,797.84	4	1,431.99	4	1,066.13	4	702.25	4	337.15	4		4			
1/4	2,521.94	1/4	2,156.08	1/4	1,790.22	1/4	1,424.37	1/4	1,058.51	1/4	694.68	1/4	329.54	1/4		1/4			
1/2	2,514.31	1/2	2,148.45	1/2	1,782.60	1/2	1,416.74	1/2	1,050.88	1/2	687.10	1/2	321.93	1/2		1/2			
3/4	2,506.69	3/4	2,140.83	3/4	1,774.98	3/4	1,409.12	3/4	1,043.26	3/4	679.52	3/4	314.32	3/4		3/4			
5	2,499.07	5	2,133.21	5	1,767.36	5	1,401.50	5	1,035.67	5	671.92	5	306.71	5		5			
1/4	2,491.45	1/4	2,125.59	1/4	1,759.74	1/4	1,393.88	1/4	1,028.09	1/4	664.32	1/4	299.11	1/4		1/4			
1/2	2,483.82	1/2	2,117.96	1/2	1,752.11	1/2	1,386.25	1/2	1,020.50	1/2	656.72	1/2	291.50	1/2		1/2			
3/4	2,476.20	3/4	2,110.34	3/4	1,744.49	3/4	1,378.63	3/4	1,012.91	3/4	649.12	3/4	283.89	3/4		3/4			
6	2,468.58	6	2,102.72	6	1,736.87	6	1,371.01	6	1,005.33	6	641.51	6	276.28	6		6			
1/4	2,460.96	1/4	2,095.10	1/4	1,729.25	1/4	1,363.39	1/4	997.76	1/4	633.90	1/4	268.67	1/4		1/4			
1/2	2,453.33	1/2	2,087.48	1/2	1,721.62	1/2	1,355.76	1/2	990.18	1/2	626.29	1/2	261.06	1/2		1/2			
3/4	2,445.71	3/4	2,079.86	3/4	1,714.00	3/4	1,348.14	3/4	982.60	3/4	618.68	3/4	253.45	3/4		3/4			
7	2,438.09	7	2,072.24	7	1,706.38	7	1,340.52	7	975.03	7	611.07	7	245.84	7		7			
1/4	2,430.47	1/4	2,064.62	1/4	1,698.76	1/4	1,332.90	1/4	967.45	1/4	603.47	1/4	238.24	1/4		1/4			
1/2	2,422.84	1/2	2,056.99	1/2	1,691.13	1/2	1,325.28	1/2	959.88	1/2	595.86	1/2	230.63	1/2		1/2			
3/4	2,415.22	3/4	2,049.37	3/4	1,683.51	3/4	1,317.66	3/4	952.30	3/4	588.25	3/4	223.02	3/4		3/4			
8	2,407.60	8	2,041.75	8	1,675.89	8	1,310.04	8	944.72	8	580.64	8	215.41	8		8			
1/4	2,399.98	1/4	2,034.13	1/4	1,668.27	1/4	1,302.42	1/4	937.15	1/4	573.03	1/4	207.80	1/4		1/4			
1/2	2,392.36	1/2	2,026.50	1/2	1,660.64	1/2	1,294.79	1/2	929.57	1/2	565.42	1/2	200.19	1/2		1/2			
3/4	2,384.74	3/4	2,018.88	3/4	1,653.02	3/4	1,287.17	3/4	921.99	3/4	557.81	3/4	192.58	3/4		3/4			
9	2,377.12	9	2,011.26	9	1,645.40	9	1,279.55	9	914.41	9	550.20	9	185.15	9		9			
1/4	2,369.50	1/4	2,003.64	1/4	1,637.78	1/4	1,271.93	1/4	906.84	1/4	542.60	1/4	177.72	1/4		1/4			
1/2	2,361.87	1/2	1,996.01	1/2	1,630.16	1/2	1,264.30	1/2	899.26	1/2	534.99	1/2	170.29	1/2		1/2			
3/4	2,354.25	3/4	1,988.39	3/4	1,622.54	3/4	1,256.68	3/4	891.68	3/4	527.38	3/4	162.86	3/4		3/4			
10	2,346.63	10	1,980.77	10	1,614.92	10	1,249.06	10	884.10	10	519.77	10	155.49	10		10			
1/4	2,339.01	1/4	1,973.15	1/4	1,607.30	1/4	1,241.44	1/4	876.53	1/4	512.16	1/4	148.13	1/4		1/4			
1/2	2,331.38	1/2	1,965.52	1/2	1,599.67	1/2	1,233.81	1/2	868.95	1/2	504.55	1/2	140.76	1/2		1/2			
3/4	2,323.76	3/4	1,957.90	3/4	1,592.05	3/4	1,226.19	3/4	861.37	3/4	496.94	3/4	133.39	3/4		3/4			
11	2,316.14	11	1,950.28	11	1,584.43	11	1,218.57	11	853.79	11	489.33	11	126.02	11		11			
1/4	2,308.52	1/4	1,942.66	1/4	1,576.81	1/4	1,210.95	1/4	846.22	1/4	481.72	1/4	118.65	1/4		1/4			
1/2	2,300.89	1/2	1,935.04	1/2	1,569.18	1/2	1,203.32	1/2	838.64	1/2	474.11	1/2	111.28	1/2		1/2			
3/4	2,293.27	3/4	1,927.42	3/4	1,561.56	3/4	1,195.70	3/4	831.06	3/4	466.50	3/4	103.91	3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/24/2009 INS
RECALCULATED: 08/08/2019 CL
REPRINTED: 08/08/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019

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