



BARGE "HTCO 3088"

ULLAGE TRIM TABLE (HERMETIC)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8
1 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
2 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
2 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
3 PORT	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 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	- 00-3/8	00-3/8	- 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 00-1/4"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 1/4"

LENGTH BETWEEN DRAFT MARKS: 237'-09"

June 28, 2022

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HTCO 3088"

1 PORT ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-11 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,940.94	0	4,585.40	0	4,227.95	0	3,869.72	0	3,511.48	0	3,153.24	0	2,794.94
1/4		1/4		1/4		1/4	4,933.60	1/4	4,577.96	1/4	4,220.49	1/4	3,862.25	1/4	3,504.01	1/4	3,145.78	1/4	2,787.47
1/2		1/2		1/2		1/2	4,926.26	1/2	4,570.52	1/2	4,213.03	1/2	3,854.79	1/2	3,496.55	1/2	3,138.31	1/2	2,780.00
3/4		3/4		3/4		3/4	4,918.85	3/4	4,563.08	3/4	4,205.56	3/4	3,847.33	3/4	3,489.09	3/4	3,130.85	3/4	2,772.54
1		1		1		1	4,911.44	1	4,555.64	1	4,198.10	1	3,839.86	1	3,481.62	1	3,123.39	1	2,765.07
1/4		1/4		1/4		1/4	4,904.04	1/4	4,548.19	1/4	4,190.64	1/4	3,832.40	1/4	3,474.16	1/4	3,115.92	1/4	2,757.60
1/2		1/2		1/2		1/2	4,896.63	1/2	4,540.75	1/2	4,183.17	1/2	3,824.94	1/2	3,466.70	1/2	3,108.46	1/2	2,750.13
3/4		3/4		3/4		3/4	4,889.23	3/4	4,533.31	3/4	4,175.71	3/4	3,817.47	3/4	3,459.23	3/4	3,101.00	3/4	2,742.67
2		2		2		2	4,881.82	2	4,525.87	2	4,168.25	2	3,810.01	2	3,451.77	2	3,093.53	2	2,735.20
1/4		1/4		1/4		1/4	4,874.42	1/4	4,518.43	1/4	4,160.78	1/4	3,802.55	1/4	3,444.31	1/4	3,086.07	1/4	2,727.73
1/2		1/2		1/2		1/2	4,867.01	1/2	4,510.99	1/2	4,153.32	1/2	3,795.08	1/2	3,436.84	1/2	3,078.61	1/2	2,720.26
3/4		3/4		3/4		3/4	4,859.60	3/4	4,503.55	3/4	4,145.86	3/4	3,787.62	3/4	3,429.38	3/4	3,071.14	3/4	2,712.80
3		3		3		3	4,852.20	3	4,496.10	3	4,138.39	3	3,780.16	3	3,421.92	3	3,063.68	3	2,705.33
1/4		1/4		1/4		1/4	4,844.79	1/4	4,488.66	1/4	4,130.93	1/4	3,772.69	1/4	3,414.45	1/4	3,056.22	1/4	2,697.86
1/2		1/2		1/2		1/2	4,837.39	1/2	4,481.22	1/2	4,123.47	1/2	3,765.23	1/2	3,406.99	1/2	3,048.75	1/2	2,690.39
3/4		3/4		3/4		3/4	4,829.98	3/4	4,473.78	3/4	4,116.00	3/4	3,757.77	3/4	3,399.53	3/4	3,041.29	3/4	2,682.93
4		4		4		4	4,822.58	4	4,466.34	4	4,108.54	4	3,750.30	4	3,392.06	4	3,033.83	4	2,675.46
1/4		1/4		1/4		1/4	4,815.18	1/4	4,458.90	1/4	4,101.08	1/4	3,742.84	1/4	3,384.60	1/4	3,026.36	1/4	2,667.99
1/2		1/2		1/2		1/2	4,807.77	1/2	4,451.46	1/2	4,093.61	1/2	3,735.38	1/2	3,377.14	1/2	3,018.90	1/2	2,660.53
3/4		3/4		3/4		3/4	4,800.37	3/4	4,444.01	3/4	4,086.15	3/4	3,727.91	3/4	3,369.67	3/4	3,011.44	3/4	2,653.06
5		5		5		5	4,792.97	5	4,436.57	5	4,078.69	5	3,720.45	5	3,362.21	5	3,003.97	5	2,645.59
1/4		1/4		1/4		1/4	4,785.57	1/4	4,429.13	1/4	4,071.22	1/4	3,712.99	1/4	3,354.75	1/4	2,996.51	1/4	2,638.12
1/2		1/2		1/2		1/2	4,778.17	1/2	4,421.69	1/2	4,063.76	1/2	3,705.52	1/2	3,347.28	1/2	2,989.05	1/2	2,630.66
3/4		3/4		3/4		3/4	4,770.76	3/4	4,414.25	3/4	4,056.30	3/4	3,698.06	3/4	3,339.82	3/4	2,981.58	3/4	2,623.19
6		6		6		6	4,763.36	6	4,406.81	6	4,048.83	6	3,690.60	6	3,332.36	6	2,974.12	6	2,615.72
1/4		1/4		1/4		1/4	4,755.96	1/4	4,399.36	1/4	4,041.37	1/4	3,683.13	1/4	3,324.89	1/4	2,966.66	1/4	2,608.25
1/2		1/2		1/2		1/2	4,748.56	1/2	4,391.92	1/2	4,033.91	1/2	3,675.67	1/2	3,317.43	1/2	2,959.19	1/2	2,600.79
3/4		3/4		3/4		3/4	4,741.16	3/4	4,384.48	3/4	4,026.45	3/4	3,668.21	3/4	3,309.97	3/4	2,951.73	3/4	2,593.32
7		7		7		7	4,733.76	7	4,377.04	7	4,018.98	7	3,660.74	7	3,302.51	7	2,944.27	7	2,585.85
1/4		1/4		1/4		1/4	4,726.35	1/4	4,369.60	1/4	4,011.52	1/4	3,653.28	1/4	3,295.04	1/4	2,936.80	1/4	2,578.39
1/2		1/2		1/2		1/2	4,718.95	1/2	4,362.16	1/2	4,004.06	1/2	3,645.82	1/2	3,287.58	1/2	2,929.34	1/2	2,570.92
3/4		3/4		3/4		3/4	4,711.55	3/4	4,354.72	3/4	3,996.59	3/4	3,638.35	3/4	3,280.12	3/4	2,921.87	3/4	2,563.45
8		8		8		8	4,704.15	8	4,347.27	8	3,989.13	8	3,630.89	8	3,272.65	8	2,914.41	8	2,555.98
1/4		1/4		1/4		1/4	4,696.75	1/4	4,339.83	1/4	3,981.67	1/4	3,623.43	1/4	3,265.19	1/4	2,906.94	1/4	2,548.52
1/2		1/2		1/2		1/2	4,689.35	1/2	4,332.39	1/2	3,974.20	1/2	3,615.96	1/2	3,257.73	1/2	2,899.48	1/2	2,541.05
3/4		3/4		3/4	5,020.28	3/4	4,681.94	3/4	4,324.94	3/4	3,966.74	3/4	3,608.50	3/4	3,250.26	3/4	2,892.01	3/4	2,533.58
9		9		9	5,015.54	9	4,674.54	9	4,317.49	9	3,959.28	9	3,601.04	9	3,242.80	9	2,884.54	9	2,526.11
1/4		1/4		1/4	5,010.80	1/4	4,667.14	1/4	4,310.04	1/4	3,951.81	1/4	3,593.57	1/4	3,235.34	1/4	2,877.08	1/4	2,518.65
1/2		1/2		1/2	5,006.07	1/2	4,659.74	1/2	4,302.59	1/2	3,944.35	1/2	3,586.11	1/2	3,227.87	1/2	2,869.61	1/2	2,511.18
3/4		3/4		3/4	5,000.26	3/4	4,652.32	3/4	4,295.12	3/4	3,936.89	3/4	3,578.65	3/4	3,220.41	3/4	2,862.14	3/4	2,503.71
10		10		10	4,994.45	10	4,644.89	10	4,287.66	10	3,929.42	10	3,571.18	10	3,212.95	10	2,854.68	10	2,496.25
1/4		1/4		1/4	4,988.65	1/4	4,637.47	1/4	4,280.20	1/4	3,921.96	1/4	3,563.72	1/4	3,205.48	1/4	2,847.21	1/4	2,488.78
1/2		1/2		1/2	4,982.84	1/2	4,630.05	1/2	4,272.73	1/2	3,914.50	1/2	3,556.26	1/2	3,198.02	1/2	2,839.74	1/2	2,481.31
3/4		3/4		3/4	4,976.04	3/4	4,622.61	3/4	4,265.27	3/4	3,907.03	3/4	3,548.79	3/4	3,190.56	3/4	2,832.27	3/4	2,473.84
11		11		11	4,969.23	11	4,615.17	11	4,257.81	11	3,899.57	11	3,541.33	11	3,183.09	11	2,824.81	11	2,466.38
1/4		1/4		1/4	4,962.42	1/4	4,607.73	1/4	4,250.34	1/4	3,892.11	1/4	3,533.87	1/4	3,175.63	1/4	2,817.34	1/4	2,458.91
1/2		1/2		1/2	4,955.62	1/2	4,600.29	1/2	4,242.88	1/2	3,884.64	1/2	3,526.40	1/2	3,168.17	1/2	2,809.87	1/2	2,451.44
3/4		3/4		3/4	4,948.28	3/4	4,592.84	3/4	4,235.42	3/4	3,877.18	3/4	3,518.94	3/4	3,160.70	3/4	2,802.40	3/4	2,443.97

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.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "HTCO 3088"

1 PORT ULLAGE TABLE HERMETIC

GAUGE HEIGHT 16'-11 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,436.51	0	2,078.08	0	1,719.65	0	1,361.22	0	1,003.38	0	646.58	0	301.38	0		0		0	
1/4	2,429.04	1/4	2,070.61	1/4	1,712.18	1/4	1,353.75	1/4	995.96	1/4	639.11	1/4	294.63	1/4	1/4	1/4		1/4	
1/2	2,421.57	1/2	2,063.14	1/2	1,704.71	1/2	1,346.28	1/2	988.54	1/2	631.64	1/2	287.88	1/2	1/2	1/2		1/2	
3/4	2,414.10	3/4	2,055.67	3/4	1,697.24	3/4	1,338.81	3/4	981.12	3/4	624.18	3/4	281.21	3/4	3/4	3/4		3/4	
1	2,406.64	1	2,048.21	1	1,689.78	1	1,331.35	1	973.71	1	616.71	1	274.55	1	1	1		1	
1/4	2,399.17	1/4	2,040.74	1/4	1,682.31	1/4	1,323.88	1/4	966.29	1/4	609.24	1/4	267.88	1/4	1/4	1/4		1/4	
1/2	2,391.70	1/2	2,033.27	1/2	1,674.84	1/2	1,316.41	1/2	958.87	1/2	601.77	1/2	261.21	1/2	1/2	1/2		1/2	
3/4	2,384.24	3/4	2,025.81	3/4	1,667.37	3/4	1,308.94	3/4	951.46	3/4	594.31	3/4	254.62	3/4	3/4	3/4		3/4	
2	2,376.77	2	2,018.34	2	1,659.91	2	1,301.48	2	944.04	2	586.84	2	248.04	2	2	2		2	
1/4	2,369.30	1/4	2,010.87	1/4	1,652.44	1/4	1,294.01	1/4	936.63	1/4	579.37	1/4	241.45	1/4	1/4	1/4		1/4	
1/2	2,361.83	1/2	2,003.40	1/2	1,644.97	1/2	1,286.54	1/2	929.21	1/2	571.91	1/2	234.87	1/2	1/2	1/2		1/2	
3/4	2,354.37	3/4	1,995.94	3/4	1,637.51	3/4	1,279.08	3/4	921.79	3/4	564.46	3/4	228.36	3/4	3/4	3/4		3/4	
3	2,346.90	3	1,988.47	3	1,630.04	3	1,271.61	3	914.38	3	557.02	3	221.86	3	3	3		3	
1/4	2,339.43	1/4	1,981.00	1/4	1,622.57	1/4	1,264.14	1/4	906.96	1/4	549.57	1/4	215.35	1/4	1/4	1/4		1/4	
1/2	2,331.96	1/2	1,973.53	1/2	1,615.10	1/2	1,256.67	1/2	899.54	1/2	542.13	1/2	208.85	1/2	1/2	1/2		1/2	
3/4	2,324.50	3/4	1,966.07	3/4	1,607.64	3/4	1,249.21	3/4	892.13	3/4	534.74	3/4	202.42	3/4	3/4	3/4		3/4	
4	2,317.03	4	1,958.60	4	1,600.17	4	1,241.74	4	884.71	4	527.36	4	196.00	4	4	4		4	
1/4	2,309.56	1/4	1,951.13	1/4	1,592.70	1/4	1,234.27	1/4	877.29	1/4	519.98	1/4	189.58	1/4	1/4	1/4		1/4	
1/2	2,302.10	1/2	1,943.66	1/2	1,585.23	1/2	1,226.80	1/2	869.88	1/2	512.60	1/2	183.16	1/2	1/2	1/2		1/2	
3/4	2,294.63	3/4	1,936.20	3/4	1,577.77	3/4	1,219.34	3/4	862.46	3/4	505.29	3/4	176.81	3/4	3/4	3/4		3/4	
5	2,287.16	5	1,928.73	5	1,570.30	5	1,211.87	5	855.05	5	497.99	5	170.46	5	5	5		5	
1/4	2,279.69	1/4	1,921.26	1/4	1,562.83	1/4	1,204.40	1/4	847.63	1/4	490.69	1/4	164.11	1/4	1/4	1/4		1/4	
1/2	2,272.23	1/2	1,913.80	1/2	1,555.37	1/2	1,196.93	1/2	840.21	1/2	483.39	1/2	157.76	1/2	1/2	1/2		1/2	
3/4	2,264.76	3/4	1,906.33	3/4	1,547.90	3/4	1,189.47	3/4	832.80	3/4	476.17	3/4	151.49	3/4	3/4	3/4		3/4	
6	2,257.29	6	1,898.86	6	1,540.43	6	1,182.00	6	825.38	6	468.94	6	145.21	6	6	6		6	
1/4	2,249.82	1/4	1,891.39	1/4	1,532.96	1/4	1,174.53	1/4	817.96	1/4	461.72	1/4	138.94	1/4	1/4	1/4		1/4	
1/2	2,242.36	1/2	1,883.93	1/2	1,525.50	1/2	1,167.07	1/2	810.55	1/2	454.50	1/2	132.66	1/2	1/2	1/2		1/2	
3/4	2,234.89	3/4	1,876.46	3/4	1,518.03	3/4	1,159.60	3/4	803.13	3/4	447.36	3/4	126.47	3/4	3/4	3/4		3/4	
7	2,227.42	7	1,868.99	7	1,510.56	7	1,152.13	7	795.72	7	440.22	7	120.27	7	7	7		7	
1/4	2,219.95	1/4	1,861.52	1/4	1,503.09	1/4	1,144.66	1/4	788.30	1/4	433.08	1/4	114.08	1/4	1/4	1/4		1/4	
1/2	2,212.49	1/2	1,854.06	1/2	1,495.63	1/2	1,137.20	1/2	780.88	1/2	425.94	1/2	107.89	1/2	1/2	1/2		1/2	
3/4	2,205.02	3/4	1,846.59	3/4	1,488.16	3/4	1,129.74	3/4	773.44	3/4	418.88	3/4	101.77	3/4	3/4	3/4		3/4	
8	2,197.55	8	1,839.12	8	1,480.69	8	1,122.29	8	766.00	8	411.82	8	95.66	8	8	8		8	
1/4	2,190.09	1/4	1,831.66	1/4	1,473.22	1/4	1,114.84	1/4	758.56	1/4	404.76	1/4	89.54	1/4	1/4	1/4		1/4	
1/2	2,182.62	1/2	1,824.19	1/2	1,465.76	1/2	1,107.39	1/2	751.12	1/2	397.71	1/2	83.43	1/2	1/2	1/2		1/2	
3/4	2,175.15	3/4	1,816.72	3/4	1,458.29	3/4	1,099.95	3/4	743.65	3/4	390.73	3/4	77.40	3/4	3/4	3/4		3/4	
9	2,167.68	9	1,809.25	9	1,450.82	9	1,092.51	9	736.18	9	383.75	9	71.37	9	9	9		9	
1/4	2,160.22	1/4	1,801.79	1/4	1,443.36	1/4	1,085.07	1/4	728.72	1/4	376.78	1/4	65.33	1/4	1/4	1/4		1/4	
1/2	2,152.75	1/2	1,794.32	1/2	1,435.89	1/2	1,077.64	1/2	721.25	1/2	369.80	1/2	59.30	1/2	1/2	1/2		1/2	
3/4	2,145.28	3/4	1,786.85	3/4	1,428.42	3/4	1,070.21	3/4	713.78	3/4	362.90	3/4	53.82	3/4	3/4	3/4		3/4	
10	2,137.81	10	1,779.38	10	1,420.95	10	1,062.77	10	706.31	10	355.99	10	48.33	10	10	10		10	
1/4	2,130.35	1/4	1,771.92	1/4	1,413.49	1/4	1,055.34	1/4	698.85	1/4	349.09	1/4	42.85	1/4	1/4	1/4		1/4	
1/2	2,122.88	1/2	1,764.45	1/2	1,406.02	1/2	1,047.91	1/2	691.38	1/2	342.19	1/2	37.36	1/2	1/2	1/2		1/2	
3/4	2,115.41	3/4	1,756.98	3/4	1,398.55	3/4	1,040.49	3/4	683.91	3/4	335.36	3/4	33.36	3/4	3/4	3/4		3/4	
11	2,107.95	11	1,749.52	11	1,391.08	11	1,033.07	11	676.45	11	328.53	11	29.36	11	11	11		11	
1/4	2,100.48	1/4	1,742.05	1/4	1,383.62	1/4	1,025.64	1/4	668.98	1/4	321.70	1/4	25.36	1/4	1/4	1/4		1/4	
1/2	2,093.01	1/2	1,734.58	1/2	1,376.15	1/2	1,018.22	1/2	661.51	1/2	314.87	1/2		1/2	1/2	1/2		1/2	
3/4	2,085.54	3/4	1,727.11	3/4	1,368.68	3/4	1,010.80	3/4	654.04	3/4	308.13	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/10/2012 CL
RECALCULATED: 06/28/2022 CL
REPRINTED: 06/28/2022 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2022

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



BARGE "HTCO 3088"

1 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 17'-00"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,965.90	0	4,611.08	0	4,253.56	0	3,895.20	0	3,536.84	0	3,178.48	0	2,820.07
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,959.09	1/4	4,603.64	1/4	4,246.09	1/4	3,887.73	1/4	3,529.37	1/4	3,171.01	1/4	2,812.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,951.75	1/2	4,596.19	1/2	4,238.62	1/2	3,880.27	1/2	3,521.91	1/2	3,163.55	1/2	2,805.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,944.41	3/4	4,588.75	3/4	4,231.16	3/4	3,872.80	3/4	3,514.44	3/4	3,156.08	3/4	2,797.66
1	1	1	1	1	1	1	4,937.07	1	4,581.30	1	4,223.69	1	3,865.33	1	3,506.98	1	3,148.62	1	2,790.19
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,929.72	1/4	4,573.86	1/4	4,216.23	1/4	3,857.87	1/4	3,499.51	1/4	3,141.15	1/4	2,782.72
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,922.32	1/2	4,566.42	1/2	4,208.76	1/2	3,850.40	1/2	3,492.04	1/2	3,133.69	1/2	2,775.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,914.91	3/4	4,558.97	3/4	4,201.29	3/4	3,842.94	3/4	3,484.58	3/4	3,126.22	3/4	2,767.78
2	2	2	2	2	2	2	4,907.50	2	4,551.53	2	4,193.83	2	3,835.47	2	3,477.11	2	3,118.75	2	2,760.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,900.09	1/4	4,544.08	1/4	4,186.36	1/4	3,828.00	1/4	3,469.65	1/4	3,111.29	1/4	2,752.84
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,892.68	1/2	4,536.64	1/2	4,178.90	1/2	3,820.54	1/2	3,462.18	1/2	3,103.82	1/2	2,745.37
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,885.27	3/4	4,529.20	3/4	4,171.43	3/4	3,813.07	3/4	3,454.71	3/4	3,096.36	3/4	2,737.90
3	3	3	3	3	3	3	4,877.87	3	4,521.75	3	4,163.97	3	3,805.61	3	3,447.25	3	3,088.89	3	2,730.43
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,870.46	1/4	4,514.31	1/4	4,156.50	1/4	3,798.14	1/4	3,439.78	1/4	3,081.42	1/4	2,722.96
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,863.05	1/2	4,506.86	1/2	4,149.03	1/2	3,790.68	1/2	3,432.32	1/2	3,073.96	1/2	2,715.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,855.64	3/4	4,499.42	3/4	4,141.57	3/4	3,783.21	3/4	3,424.85	3/4	3,066.49	3/4	2,708.02
4	4	4	4	4	4	4	4,848.23	4	4,491.97	4	4,134.10	4	3,775.74	4	3,417.39	4	3,059.03	4	2,700.55
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,840.82	1/4	4,484.53	1/4	4,126.64	1/4	3,768.28	1/4	3,409.92	1/4	3,051.56	1/4	2,693.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,833.42	1/2	4,477.09	1/2	4,119.17	1/2	3,760.81	1/2	3,402.45	1/2	3,044.10	1/2	2,685.61
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,826.01	3/4	4,469.64	3/4	4,111.70	3/4	3,753.35	3/4	3,394.99	3/4	3,036.63	3/4	2,678.14
5	5	5	5	5	5	5	4,818.61	5	4,462.20	5	4,104.24	5	3,745.88	5	3,387.52	5	3,029.16	5	2,670.67
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,811.20	1/4	4,454.75	1/4	4,096.77	1/4	3,738.41	1/4	3,380.06	1/4	3,021.70	1/4	2,663.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,803.79	1/2	4,447.31	1/2	4,089.31	1/2	3,730.95	1/2	3,372.59	1/2	3,014.23	1/2	2,655.73
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,796.39	3/4	4,439.87	3/4	4,081.84	3/4	3,723.48	3/4	3,365.12	3/4	3,006.77	3/4	2,648.26
6	6	6	6	6	6	6	4,788.99	6	4,432.42	6	4,074.38	6	3,716.02	6	3,357.66	6	2,999.30	6	2,640.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,781.58	1/4	4,424.98	1/4	4,066.91	1/4	3,708.55	1/4	3,350.19	1/4	2,991.83	1/4	2,633.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,774.18	1/2	4,417.53	1/2	4,059.44	1/2	3,701.09	1/2	3,342.73	1/2	2,984.37	1/2	2,625.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,766.77	3/4	4,410.09	3/4	4,051.98	3/4	3,693.62	3/4	3,335.26	3/4	2,976.90	3/4	2,618.38
7	7	7	7	7	7	7	4,759.37	7	4,402.65	7	4,044.51	7	3,686.15	7	3,327.80	7	2,969.44	7	2,610.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,751.96	1/4	4,395.20	1/4	4,037.05	1/4	3,678.69	1/4	3,320.33	1/4	2,961.97	1/4	2,603.44
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,744.56	1/2	4,387.76	1/2	4,029.58	1/2	3,671.22	1/2	3,312.86	1/2	2,954.51	1/2	2,595.97
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,737.16	3/4	4,380.31	3/4	4,022.12	3/4	3,663.76	3/4	3,305.40	3/4	2,947.04	3/4	2,588.50
8	8	8	8	8	8	8	4,729.75	8	4,372.87	8	4,014.65	8	3,656.29	8	3,297.93	8	2,939.57	8	2,581.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,722.35	1/4	4,365.43	1/4	4,007.18	1/4	3,648.83	1/4	3,290.47	1/4	2,932.11	1/4	2,573.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,714.94	1/2	4,357.98	1/2	3,999.72	1/2	3,641.36	1/2	3,283.00	1/2	2,924.64	1/2	2,566.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,707.54	3/4	4,350.54	3/4	3,992.25	3/4	3,633.89	3/4	3,275.54	3/4	2,917.17	3/4	2,558.62
9	9	9	9	9	9	9	4,700.13	9	4,343.09	9	3,984.79	9	3,626.43	9	3,268.07	9	2,909.70	9	2,551.15
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,692.73	1/4	4,335.65	1/4	3,977.32	1/4	3,618.96	1/4	3,260.60	1/4	2,902.24	1/4	2,543.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,023.77	1/2	4,685.32	1/2	4,328.19	1/2	3,969.85	1/2	3,611.50	1/2	3,253.14	1/2	2,894.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,019.03	3/4	4,677.92	3/4	4,320.73	3/4	3,962.39	3/4	3,604.03	3/4	3,245.67	3/4	2,887.30
10	10	10	10	10	10	10	5,014.29	10	4,670.52	10	4,313.27	10	3,954.92	10	3,596.56	10	3,238.21	10	2,879.83
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,009.55	1/4	4,663.11	1/4	4,305.82	1/4	3,947.46	1/4	3,589.10	1/4	3,230.74	1/4	2,872.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,003.74	1/2	4,655.69	1/2	4,298.35	1/2	3,939.99	1/2	3,581.63	1/2	3,223.27	1/2	2,864.89
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,997.93	3/4	4,648.26	3/4	4,290.88	3/4	3,932.53	3/4	3,574.17	3/4	3,215.81	3/4	2,857.42
11	11	11	11	11	11	11	4,992.12	11	4,640.84	11	4,283.42	11	3,925.06	11	3,566.70	11	3,208.34	11	2,849.95
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,986.32	1/4	4,633.41	1/4	4,275.95	1/4	3,917.59	1/4	3,559.24	1/4	3,200.88	1/4	2,842.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,979.51	1/2	4,625.97	1/2	4,268.49	1/2	3,910.13	1/2	3,551.77	1/2	3,193.41	1/2	2,835.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,972.70	3/4	4,618.52	3/4	4,261.02	3/4	3,902.66	3/4	3,544.30	3/4	3,185.95	3/4	2,827.54

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 3088"

1 STBD

ULLAGE TABLE HERMETIC

GAUGE HEIGHT 17'-00"

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	2,461.51	0	2,102.96	0	1,744.40	0	1,385.85	0	1,027.32	0	669.24	0	321.88	0	25.37	0		0	
1/4	2,454.04	1/4	2,095.49	1/4	1,736.93	1/4	1,378.38	1/4	1,019.86	1/4	661.77	1/4	315.05	1/4		1/4		1/4	
1/2	2,446.57	1/2	2,088.02	1/2	1,729.46	1/2	1,370.91	1/2	1,012.40	1/2	654.30	1/2	308.30	1/2		1/2		1/2	
3/4	2,439.10	3/4	2,080.55	3/4	1,721.99	3/4	1,363.44	3/4	1,004.94	3/4	646.83	3/4	301.55	3/4		3/4		3/4	
1	2,431.63	1	2,073.08	1	1,714.52	1	1,355.97	1	997.48	1	639.36	1	294.80	1	1	1		1	
1/4	2,424.16	1/4	2,065.61	1/4	1,707.05	1/4	1,348.50	1/4	990.02	1/4	631.89	1/4	288.05	1/4		1/4		1/4	
1/2	2,416.69	1/2	2,058.14	1/2	1,699.58	1/2	1,341.03	1/2	982.57	1/2	624.42	1/2	281.38	1/2		1/2		1/2	
3/4	2,409.22	3/4	2,050.67	3/4	1,692.11	3/4	1,333.56	3/4	975.11	3/4	616.95	3/4	274.70	3/4		3/4		3/4	
2	2,401.75	2	2,043.20	2	1,684.64	2	1,326.09	2	967.65	2	609.48	2	268.03	2	2	2		2	
1/4	2,394.28	1/4	2,035.73	1/4	1,677.17	1/4	1,318.62	1/4	960.20	1/4	602.01	1/4	261.36	1/4		1/4		1/4	
1/2	2,386.81	1/2	2,028.26	1/2	1,669.70	1/2	1,311.15	1/2	952.74	1/2	594.54	1/2	254.77	1/2		1/2		1/2	
3/4	2,379.34	3/4	2,020.79	3/4	1,662.23	3/4	1,303.68	3/4	945.29	3/4	587.07	3/4	248.18	3/4		3/4		3/4	
3	2,371.87	3	2,013.32	3	1,654.76	3	1,296.21	3	937.83	3	579.60	3	241.59	3	3	3		3	
1/4	2,364.40	1/4	2,005.85	1/4	1,647.29	1/4	1,288.74	1/4	930.37	1/4	572.13	1/4	235.00	1/4		1/4		1/4	
1/2	2,356.93	1/2	1,998.38	1/2	1,639.82	1/2	1,281.27	1/2	922.92	1/2	564.69	1/2	228.50	1/2		1/2		1/2	
3/4	2,349.46	3/4	1,990.91	3/4	1,632.35	3/4	1,273.80	3/4	915.46	3/4	557.24	3/4	221.99	3/4		3/4		3/4	
4	2,341.99	4	1,983.44	4	1,624.88	4	1,266.33	4	908.01	4	549.80	4	215.48	4	4	4		4	
1/4	2,334.52	1/4	1,975.97	1/4	1,617.41	1/4	1,258.86	1/4	900.55	1/4	542.36	1/4	208.97	1/4		1/4		1/4	
1/2	2,327.05	1/2	1,968.50	1/2	1,609.94	1/2	1,251.39	1/2	893.09	1/2	534.98	1/2	202.55	1/2		1/2		1/2	
3/4	2,319.58	3/4	1,961.03	3/4	1,602.47	3/4	1,243.92	3/4	885.64	3/4	527.60	3/4	196.12	3/4		3/4		3/4	
5	2,312.11	5	1,953.56	5	1,595.00	5	1,236.45	5	878.18	5	520.22	5	189.69	5	5	5		5	
1/4	2,304.64	1/4	1,946.09	1/4	1,587.53	1/4	1,228.98	1/4	870.73	1/4	512.84	1/4	183.27	1/4		1/4		1/4	
1/2	2,297.17	1/2	1,938.62	1/2	1,580.06	1/2	1,221.51	1/2	863.27	1/2	505.54	1/2	176.91	1/2		1/2		1/2	
3/4	2,289.71	3/4	1,931.15	3/4	1,572.59	3/4	1,214.04	3/4	855.81	3/4	498.24	3/4	170.56	3/4		3/4		3/4	
6	2,282.24	6	1,923.68	6	1,565.12	6	1,206.57	6	848.36	6	490.94	6	164.21	6	6	6		6	
1/4	2,274.77	1/4	1,916.21	1/4	1,557.65	1/4	1,199.10	1/4	840.90	1/4	483.64	1/4	157.86	1/4		1/4		1/4	
1/2	2,267.30	1/2	1,908.74	1/2	1,550.18	1/2	1,191.63	1/2	833.45	1/2	476.41	1/2	151.58	1/2		1/2		1/2	
3/4	2,259.83	3/4	1,901.27	3/4	1,542.72	3/4	1,184.16	3/4	825.99	3/4	469.19	3/4	145.30	3/4		3/4		3/4	
7	2,252.36	7	1,893.80	7	1,535.25	7	1,176.69	7	818.53	7	461.97	7	139.02	7	7	7		7	
1/4	2,244.89	1/4	1,886.33	1/4	1,527.78	1/4	1,169.22	1/4	811.08	1/4	454.74	1/4	132.75	1/4		1/4		1/4	
1/2	2,237.42	1/2	1,878.86	1/2	1,520.31	1/2	1,161.75	1/2	803.62	1/2	447.60	1/2	126.55	1/2		1/2		1/2	
3/4	2,229.95	3/4	1,871.39	3/4	1,512.84	3/4	1,154.28	3/4	796.17	3/4	440.45	3/4	120.35	3/4		3/4		3/4	
8	2,222.48	8	1,863.92	8	1,505.37	8	1,146.81	8	788.71	8	433.31	8	114.15	8	8	8		8	
1/4	2,215.01	1/4	1,856.45	1/4	1,497.90	1/4	1,139.34	1/4	781.25	1/4	426.17	1/4	107.95	1/4		1/4		1/4	
1/2	2,207.54	1/2	1,848.98	1/2	1,490.43	1/2	1,131.87	1/2	773.79	1/2	419.11	1/2	101.84	1/2		1/2		1/2	
3/4	2,200.07	3/4	1,841.51	3/4	1,482.96	3/4	1,124.40	3/4	766.33	3/4	412.05	3/4	95.72	3/4		3/4		3/4	
9	2,192.60	9	1,834.04	9	1,475.49	9	1,116.93	9	758.87	9	404.98	9	89.60	9	9	9		9	
1/4	2,185.13	1/4	1,826.57	1/4	1,468.02	1/4	1,109.46	1/4	751.40	1/4	397.92	1/4	83.48	1/4		1/4		1/4	
1/2	2,177.66	1/2	1,819.10	1/2	1,460.55	1/2	1,101.99	1/2	743.93	1/2	390.94	1/2	77.45	1/2		1/2		1/2	
3/4	2,170.19	3/4	1,811.63	3/4	1,453.08	3/4	1,094.52	3/4	736.46	3/4	383.96	3/4	71.41	3/4		3/4		3/4	
10	2,162.72	10	1,804.16	10	1,445.61	10	1,087.05	10	728.99	10	376.98	10	65.37	10	10	10		10	
1/4	2,155.25	1/4	1,796.69	1/4	1,438.14	1/4	1,079.58	1/4	721.52	1/4	370.00	1/4	59.34	1/4		1/4		1/4	
1/2	2,147.78	1/2	1,789.22	1/2	1,430.67	1/2	1,072.11	1/2	714.05	1/2	363.10	1/2	53.85	1/2		1/2		1/2	
3/4	2,140.31	3/4	1,781.75	3/4	1,423.20	3/4	1,064.65	3/4	706.58	3/4	356.19	3/4	48.36	3/4		3/4		3/4	
11	2,132.84	11	1,774.28	11	1,415.73	11	1,057.18	11	699.12	11	349.29	11	42.88	11	11	11		11	
1/4	2,125.37	1/4	1,766.81	1/4	1,408.26	1/4	1,049.71	1/4	691.65	1/4	342.38	1/4	37.39	1/4		1/4		1/4	
1/2	2,117.90	1/2	1,759.34	1/2	1,400.79	1/2	1,042.25	1/2	684.18	1/2	335.55	1/2	33.38	1/2		1/2		1/2	
3/4	2,110.43	3/4	1,751.87	3/4	1,393.32	3/4	1,034.79	3/4	676.71	3/4	328.72	3/4	29.38	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/10/2012 CL
RECALCULATED: 06/28/2022 CL
REPRINTED: 06/28/2022 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2022

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "HTCO 3088"

2 PORT ULLAGE TABLE HERMETIC

GAUGE HEIGHT 16'-10"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0		0		0		0	4,975.23	0	4,618.46	0	4,259.98	0	3,900.83	0	3,541.68	0	3,182.53	0	2,823.29		
1/4		1/4		1/4		1/4	4,967.80	1/4	4,611.00	1/4	4,252.50	1/4	3,893.35	1/4	3,534.20	1/4	3,175.05	1/4	2,815.81		
1/2		1/2		1/2		1/2	4,960.38	1/2	4,603.54	1/2	4,245.02	1/2	3,885.87	1/2	3,526.72	1/2	3,167.57	1/2	2,808.32		
3/4		3/4		3/4		3/4	4,952.95	3/4	4,596.08	3/4	4,237.54	3/4	3,878.39	3/4	3,519.24	3/4	3,160.09	3/4	2,800.83		
1	1	1		1		1	4,945.53	1	4,588.62	1	4,230.05	1	3,870.90	1	3,511.75	1	3,152.60	1	2,793.35		
1/4		1/4		1/4		1/4	4,938.10	1/4	4,581.16	1/4	4,222.57	1/4	3,863.42	1/4	3,504.27	1/4	3,145.12	1/4	2,785.86		
1/2		1/2		1/2		1/2	4,930.68	1/2	4,573.70	1/2	4,215.09	1/2	3,855.94	1/2	3,496.79	1/2	3,137.64	1/2	2,778.37		
3/4		3/4		3/4		3/4	4,923.25	3/4	4,566.24	3/4	4,207.61	3/4	3,848.46	3/4	3,489.31	3/4	3,130.16	3/4	2,770.89		
2	2	2		2		2	4,915.83	2	4,558.78	2	4,200.13	2	3,840.97	2	3,481.82	2	3,122.67	2	2,763.40		
1/4		1/4		1/4		1/4	4,908.40	1/4	4,551.32	1/4	4,192.64	1/4	3,833.49	1/4	3,474.34	1/4	3,115.19	1/4	2,755.92		
1/2		1/2		1/2		1/2	4,900.98	1/2	4,543.86	1/2	4,185.16	1/2	3,826.01	1/2	3,466.86	1/2	3,107.71	1/2	2,748.43		
3/4		3/4		3/4		3/4	4,893.56	3/4	4,536.40	3/4	4,177.68	3/4	3,818.53	3/4	3,459.38	3/4	3,100.23	3/4	2,740.94		
3	3	3		3		3	4,886.13	3	4,528.93	3	4,170.20	3	3,811.05	3	3,451.90	3	3,092.74	3	2,733.46		
1/4		1/4		1/4		1/4	4,878.71	1/4	4,521.47	1/4	4,162.71	1/4	3,803.56	1/4	3,444.41	1/4	3,085.26	1/4	2,725.97		
1/2		1/2		1/2		1/2	4,871.29	1/2	4,514.01	1/2	4,155.23	1/2	3,796.08	1/2	3,436.93	1/2	3,077.78	1/2	2,718.48		
3/4		3/4		3/4		3/4	4,863.87	3/4	4,506.55	3/4	4,147.75	3/4	3,788.60	3/4	3,429.45	3/4	3,070.30	3/4	2,711.00		
4	4	4		4		4	4,856.45	4	4,499.09	4	4,140.27	4	3,781.12	4	3,421.97	4	3,062.82	4	2,703.51		
1/4		1/4		1/4		1/4	4,849.03	1/4	4,491.63	1/4	4,132.78	1/4	3,773.63	1/4	3,414.48	1/4	3,055.33	1/4	2,696.03		
1/2		1/2		1/2		1/2	4,841.61	1/2	4,484.17	1/2	4,125.30	1/2	3,766.15	1/2	3,407.00	1/2	3,047.85	1/2	2,688.54		
3/4		3/4		3/4		3/4	4,834.18	3/4	4,476.71	3/4	4,117.82	3/4	3,758.67	3/4	3,399.52	3/4	3,040.37	3/4	2,681.05		
5	5	5		5		5	4,826.76	5	4,469.25	5	4,110.34	5	3,751.19	5	3,392.04	5	3,032.89	5	2,673.57		
1/4		1/4		1/4		1/4	4,819.34	1/4	4,461.79	1/4	4,102.86	1/4	3,743.71	1/4	3,384.55	1/4	3,025.40	1/4	2,666.08		
1/2		1/2		1/2		1/2	4,811.92	1/2	4,454.33	1/2	4,095.37	1/2	3,736.22	1/2	3,377.07	1/2	3,017.92	1/2	2,658.59		
3/4		3/4		3/4		3/4	4,804.50	3/4	4,446.87	3/4	4,087.89	3/4	3,728.74	3/4	3,369.59	3/4	3,010.44	3/4	2,651.11		
6	6	6		6		6	4,797.08	6	4,439.41	6	4,080.41	6	3,721.26	6	3,362.11	6	3,002.96	6	2,643.62		
1/4		1/4		1/4		1/4	4,789.66	1/4	4,431.95	1/4	4,072.93	1/4	3,713.78	1/4	3,354.63	1/4	2,995.48	1/4	2,636.13		
1/2		1/2		1/2		1/2	4,782.24	1/2	4,424.49	1/2	4,065.44	1/2	3,706.29	1/2	3,347.14	1/2	2,987.99	1/2	2,628.65		
3/4		3/4		3/4		3/4	4,774.82	3/4	4,417.03	3/4	4,057.96	3/4	3,698.81	3/4	3,339.66	3/4	2,980.50	3/4	2,621.16		
7	7	7		7		7	4,767.40	7	4,409.57	7	4,050.48	7	3,691.33	7	3,332.18	7	2,973.02	7	2,613.68		
1/4		1/4		1/4		1/4	4,759.98	1/4	4,402.10	1/4	4,043.00	1/4	3,683.85	1/4	3,324.70	1/4	2,965.53	1/4	2,606.19		
1/2		1/2		1/2		1/2	5,091.77	1/2	4,752.56	1/2	4,394.63	1/2	4,035.51	1/2	3,676.36	1/2	3,317.21	1/2	2,958.05	1/2	2,598.70
3/4		3/4		3/4		3/4	5,087.02	3/4	4,745.13	3/4	4,387.16	3/4	4,028.03	3/4	3,668.88	3/4	3,309.73	3/4	2,950.56	3/4	2,591.22
8	8	8		8		8	5,082.27	8	4,737.71	8	4,379.69	8	4,020.55	8	3,661.40	8	3,302.25	8	2,943.07	8	2,583.73
1/4		1/4		1/4		1/4	5,077.52	1/4	4,730.29	1/4	4,372.22	1/4	4,013.07	1/4	3,653.92	1/4	3,294.77	1/4	2,935.59	1/4	2,576.24
1/2		1/2		1/2		1/2	5,071.69	1/2	4,722.85	1/2	4,364.74	1/2	4,005.59	1/2	3,646.44	1/2	3,287.28	1/2	2,928.10	1/2	2,568.76
3/4		3/4		3/4		3/4	5,065.87	3/4	4,715.41	3/4	4,357.25	3/4	3,998.10	3/4	3,638.95	3/4	3,279.80	3/4	2,920.61	3/4	2,561.27
9	9	9		9		9	5,060.05	9	4,707.97	9	4,349.77	9	3,990.62	9	3,631.47	9	3,272.32	9	2,913.13	9	2,553.79
1/4		1/4		1/4		1/4	5,054.23	1/4	4,700.53	1/4	4,342.29	1/4	3,983.14	1/4	3,623.99	1/4	3,264.84	1/4	2,905.64	1/4	2,546.30
1/2		1/2		1/2		1/2	5,047.41	1/2	4,693.07	1/2	4,334.81	1/2	3,975.66	1/2	3,616.51	1/2	3,257.36	1/2	2,898.16	1/2	2,538.81
3/4		3/4		3/4		3/4	5,040.58	3/4	4,685.61	3/4	4,327.32	3/4	3,968.17	3/4	3,609.02	3/4	3,249.87	3/4	2,890.67	3/4	2,531.33
10	10	10		10		10	5,033.76	10	4,678.15	10	4,319.84	10	3,960.69	10	3,601.54	10	3,242.39	10	2,883.18	10	2,523.84
1/4		1/4		1/4		1/4	5,026.94	1/4	4,670.69	1/4	4,312.36	1/4	3,953.21	1/4	3,594.06	1/4	3,234.91	1/4	2,875.70	1/4	2,516.35
1/2		1/2		1/2		1/2	5,019.58	1/2	4,663.23	1/2	4,304.88	1/2	3,945.73	1/2	3,586.58	1/2	3,227.43	1/2	2,868.21	1/2	2,508.87
3/4		3/4		3/4		3/4	5,012.22	3/4	4,655.77	3/4	4,297.40	3/4	3,938.24	3/4	3,579.09	3/4	3,219.94	3/4	2,860.72	3/4	2,501.38
11	11	11		11		11	5,004.86	11	4,648.30	11	4,289.91	11	3,930.76	11	3,571.61	11	3,212.46	11	2,853.24	11	2,493.89
1/4		1/4		1/4		1/4	4,997.50	1/4	4,640.84	1/4	4,282.43	1/4	3,923.28	1/4	3,564.13	1/4	3,204.98	1/4	2,845.75	1/4	2,486.41
1/2		1/2		1/2		1/2	4,990.08	1/2	4,633.38	1/2	4,274.95	1/2	3,915.80	1/2	3,556.65	1/2	3,197.50	1/2	2,838.26	1/2	2,478.92
3/4		3/4		3/4		3/4	4,982.65	3/4	4,625.92	3/4	4,267.47	3/4	3,908.32	3/4	3,549.17	3/4	3,190.01	3/4	2,830.78	3/4	2,471.44

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'-08" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HTCO 3088"

2 PORT ULLAGE TABLE HERMETIC GAUGE HEIGHT 16'-10"

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	2,463.95	0	2,104.61	0	1,745.26	0	1,385.92	0	1,032.73	0	681.61	0	322.27	0		0		0	
1/4	2,456.46	1/4	2,097.12	1/4	1,737.78	1/4	1,378.44	1/4	1,025.55	1/4	674.12	1/4	314.78	1/4		1/4		1/4	
1/2	2,448.98	1/2	2,089.63	1/2	1,730.29	1/2	1,370.95	1/2	1,018.37	1/2	666.64	1/2	307.30	1/2		1/2		1/2	
3/4	2,441.49	3/4	2,082.15	3/4	1,722.81	3/4	1,363.46	3/4	1,011.19	3/4	659.15	3/4	299.81	3/4		3/4		3/4	
1	2,434.00	1	2,074.66	1	1,715.32	1	1,355.98	1	1,004.00	1	651.66	1	292.33	1		1		1	
1/4	2,426.52	1/4	2,067.18	1/4	1,707.83	1/4	1,348.49	1/4	996.82	1/4	644.18	1/4	284.84	1/4		1/4		1/4	
1/2	2,419.03	1/2	2,059.69	1/2	1,700.35	1/2	1,341.00	1/2	989.64	1/2	636.69	1/2	277.35	1/2		1/2		1/2	
3/4	2,411.55	3/4	2,052.20	3/4	1,692.86	3/4	1,333.52	3/4	982.46	3/4	629.20	3/4	269.87	3/4		3/4		3/4	
2	2,404.06	2	2,044.72	2	1,685.37	2	1,326.03	2	975.27	2	621.72	2	262.38	2		2		2	
1/4	2,396.57	1/4	2,037.23	1/4	1,677.89	1/4	1,318.55	1/4	968.09	1/4	614.23	1/4	254.89	1/4		1/4		1/4	
1/2	2,389.09	1/2	2,029.74	1/2	1,670.40	1/2	1,311.06	1/2	960.91	1/2	606.75	1/2	247.41	1/2		1/2		1/2	
3/4	2,381.60	3/4	2,022.26	3/4	1,662.92	3/4	1,303.57	3/4	953.73	3/4	599.26	3/4	239.92	3/4		3/4		3/4	
3	2,374.11	3	2,014.77	3	1,655.43	3	1,296.09	3	946.54	3	591.77	3	232.44	3		3		3	
1/4	2,366.63	1/4	2,007.29	1/4	1,647.94	1/4	1,288.60	1/4	939.36	1/4	584.29	1/4	224.95	1/4		1/4		1/4	
1/2	2,359.14	1/2	1,999.80	1/2	1,640.46	1/2	1,281.11	1/2	932.18	1/2	576.80	1/2	217.46	1/2		1/2		1/2	
3/4	2,351.66	3/4	1,992.31	3/4	1,632.97	3/4	1,273.63	3/4	925.00	3/4	569.32	3/4	209.98	3/4		3/4		3/4	
4	2,344.17	4	1,984.83	4	1,625.48	4	1,266.14	4	917.81	4	561.83	4	202.49	4		4		4	
1/4	2,336.68	1/4	1,977.34	1/4	1,618.00	1/4	1,258.66	1/4	910.63	1/4	554.34	1/4	195.01	1/4		1/4		1/4	
1/2	2,329.20	1/2	1,969.85	1/2	1,610.51	1/2	1,251.17	1/2	903.45	1/2	546.86	1/2	187.52	1/2		1/2		1/2	
3/4	2,321.71	3/4	1,962.37	3/4	1,603.03	3/4	1,243.68	3/4	896.27	3/4	539.37	3/4	180.03	3/4		3/4		3/4	
5	2,314.22	5	1,954.88	5	1,595.54	5	1,236.20	5	889.09	5	531.88	5	172.55	5		5		5	
1/4	2,306.74	1/4	1,947.40	1/4	1,588.05	1/4	1,228.71	1/4	881.90	1/4	524.40	1/4	165.06	1/4		1/4		1/4	
1/2	2,299.25	1/2	1,939.91	1/2	1,580.57	1/2	1,221.22	1/2	874.72	1/2	516.91	1/2	157.57	1/2		1/2		1/2	
3/4	2,291.76	3/4	1,932.42	3/4	1,573.08	3/4	1,213.74	3/4	867.54	3/4	509.43	3/4	150.09	3/4		3/4		3/4	
6	2,284.28	6	1,924.94	6	1,565.59	6	1,206.25	6	860.36	6	501.94	6	142.60	6		6		6	
1/4	2,276.79	1/4	1,917.45	1/4	1,558.11	1/4	1,198.77	1/4	853.17	1/4	494.45	1/4	135.12	1/4		1/4		1/4	
1/2	2,269.31	1/2	1,909.96	1/2	1,550.62	1/2	1,191.28	1/2	845.84	1/2	486.97	1/2	127.63	1/2		1/2		1/2	
3/4	2,261.82	3/4	1,902.48	3/4	1,543.13	3/4	1,184.07	3/4	838.51	3/4	479.48	3/4	120.14	3/4		3/4		3/4	
7	2,254.33	7	1,894.99	7	1,535.65	7	1,176.73	7	831.18	7	471.99	7	112.66	7		7		7	
1/4	2,246.85	1/4	1,887.50	1/4	1,528.16	1/4	1,169.38	1/4	823.85	1/4	464.51	1/4	105.17	1/4		1/4		1/4	
1/2	2,239.36	1/2	1,880.02	1/2	1,520.68	1/2	1,162.18	1/2	816.36	1/2	457.02	1/2	97.68	1/2		1/2		1/2	
3/4	2,231.87	3/4	1,872.53	3/4	1,513.19	3/4	1,154.98	3/4	808.87	3/4	449.54	3/4	90.20	3/4		3/4		3/4	
8	2,224.39	8	1,865.05	8	1,505.70	8	1,147.77	8	801.39	8	442.05	8	82.71	8		8		8	
1/4	2,216.90	1/4	1,857.56	1/4	1,498.22	1/4	1,140.57	1/4	793.90	1/4	434.56	1/4	75.23	1/4		1/4		1/4	
1/2	2,209.42	1/2	1,850.07	1/2	1,490.73	1/2	1,133.37	1/2	786.41	1/2	427.08	1/2	68.21	1/2		1/2		1/2	
3/4	2,201.93	3/4	1,842.59	3/4	1,483.24	3/4	1,126.18	3/4	778.93	3/4	419.59	3/4	61.19	3/4		3/4		3/4	
9	2,194.44	9	1,835.10	9	1,475.76	9	1,118.98	9	771.44	9	412.10	9	54.17	9		9		9	
1/4	2,186.96	1/4	1,827.61	1/4	1,468.27	1/4	1,111.78	1/4	763.96	1/4	404.62	1/4	47.15	1/4		1/4		1/4	
1/2	2,179.47	1/2	1,820.13	1/2	1,460.79	1/2	1,104.59	1/2	756.47	1/2	397.13	1/2	41.54	1/2		1/2		1/2	
3/4	2,171.98	3/4	1,812.64	3/4	1,453.30	3/4	1,097.40	3/4	748.98	3/4	389.65	3/4	35.92	3/4		3/4		3/4	
10	2,164.50	10	1,805.16	10	1,445.81	10	1,090.21	10	741.50	10	382.16	10	30.31	10		10		10	
1/4	2,157.01	1/4	1,797.67	1/4	1,438.33	1/4	1,083.02	1/4	734.01	1/4	374.67	1/4		1/4		1/4		1/4	
1/2	2,149.53	1/2	1,790.18	1/2	1,430.84	1/2	1,075.84	1/2	726.53	1/2	367.19	1/2		1/2		1/2		1/2	
3/4	2,142.04	3/4	1,782.70	3/4	1,423.35	3/4	1,068.65	3/4	719.04	3/4	359.70	3/4		3/4		3/4		3/4	
11	2,134.55	11	1,775.21	11	1,415.87	11	1,061.47	11	711.55	11	352.22	11		11		11		11	
1/4	2,127.07	1/4	1,767.72	1/4	1,408.38	1/4	1,054.28	1/4	704.07	1/4	344.73	1/4		1/4		1/4		1/4	
1/2	2,119.58	1/2	1,760.24	1/2	1,400.90	1/2	1,047.10	1/2	696.58	1/2	337.24	1/2		1/2		1/2		1/2	
3/4	2,112.09	3/4	1,752.75	3/4	1,393.41	3/4	1,039.92	3/4	689.09	3/4	329.76	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/10/2012 CL
RECALCULATED: 06/28/2022 CL
REPRINTED: 06/28/2022 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2022

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



BARGE "HTCO 3088"

2 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 16'-10 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	4,995.34	0	4,638.71	0	4,280.34	0	3,921.27	0	3,562.21	0	3,203.14	0	2,843.99
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,987.92	1/4	4,631.25	1/4	4,272.86	1/4	3,913.79	1/4	3,554.73	1/4	3,195.66	1/4	2,836.51
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,980.50	1/2	4,623.79	1/2	4,265.38	1/2	3,906.31	1/2	3,547.25	1/2	3,188.18	1/2	2,829.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,973.07	3/4	4,616.33	3/4	4,257.90	3/4	3,898.83	3/4	3,539.77	3/4	3,180.70	3/4	2,821.54
1	1	1	1	1	1	1	4,965.65	1	4,608.87	1	4,250.41	1	3,891.35	1	3,532.29	1	3,173.22	1	2,814.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,958.23	1/4	4,601.41	1/4	4,242.93	1/4	3,883.87	1/4	3,524.81	1/4	3,165.74	1/4	2,806.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,950.80	1/2	4,593.95	1/2	4,235.45	1/2	3,876.39	1/2	3,517.33	1/2	3,158.26	1/2	2,799.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,943.38	3/4	4,586.49	3/4	4,227.97	3/4	3,868.91	3/4	3,509.85	3/4	3,150.78	3/4	2,791.60
2	2	2	2	2	2	2	4,935.96	2	4,579.04	2	4,220.49	2	3,861.43	2	3,502.36	2	3,143.30	2	2,784.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,928.54	1/4	4,571.58	1/4	4,213.01	1/4	3,853.95	1/4	3,494.88	1/4	3,135.82	1/4	2,776.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,921.11	1/2	4,564.12	1/2	4,205.53	1/2	3,846.47	1/2	3,487.40	1/2	3,128.34	1/2	2,769.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,913.69	3/4	4,556.66	3/4	4,198.05	3/4	3,838.99	3/4	3,479.92	3/4	3,120.86	3/4	2,761.67
3	3	3	3	3	3	3	4,906.27	3	4,549.20	3	4,190.57	3	3,831.51	3	3,472.44	3	3,113.38	3	2,754.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,898.85	1/4	4,541.74	1/4	4,183.09	1/4	3,824.03	1/4	3,464.96	1/4	3,105.90	1/4	2,746.70
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,891.43	1/2	4,534.28	1/2	4,175.61	1/2	3,816.55	1/2	3,457.48	1/2	3,098.42	1/2	2,739.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,884.01	3/4	4,526.82	3/4	4,168.13	3/4	3,809.07	3/4	3,450.00	3/4	3,090.94	3/4	2,731.73
4	4	4	4	4	4	4	4,876.59	4	4,519.36	4	4,160.65	4	3,801.58	4	3,442.52	4	3,083.46	4	2,724.24
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,869.17	1/4	4,511.91	1/4	4,153.17	1/4	3,794.10	1/4	3,435.04	1/4	3,075.98	1/4	2,716.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,861.75	1/2	4,504.45	1/2	4,145.69	1/2	3,786.62	1/2	3,427.56	1/2	3,068.50	1/2	2,709.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,854.33	3/4	4,496.99	3/4	4,138.21	3/4	3,779.14	3/4	3,420.08	3/4	3,061.02	3/4	2,701.79
5	5	5	5	5	5	5	4,846.91	5	4,489.53	5	4,130.73	5	3,771.66	5	3,412.60	5	3,053.53	5	2,694.30
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,839.50	1/4	4,482.07	1/4	4,123.25	1/4	3,764.18	1/4	3,405.12	1/4	3,046.05	1/4	2,686.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,832.08	1/2	4,474.61	1/2	4,115.77	1/2	3,756.70	1/2	3,397.64	1/2	3,038.57	1/2	2,679.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,824.66	3/4	4,467.15	3/4	4,108.29	3/4	3,749.22	3/4	3,390.16	3/4	3,031.09	3/4	2,671.85
6	6	6	6	6	6	6	4,817.24	6	4,459.69	6	4,100.80	6	3,741.74	6	3,382.68	6	3,023.61	6	2,664.37
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,809.82	1/4	4,452.24	1/4	4,093.32	1/4	3,734.26	1/4	3,375.20	1/4	3,016.13	1/4	2,656.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,802.40	1/2	4,444.78	1/2	4,085.84	1/2	3,726.78	1/2	3,367.72	1/2	3,008.65	1/2	2,649.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,794.98	3/4	4,437.32	3/4	4,078.36	3/4	3,719.30	3/4	3,360.24	3/4	3,001.17	3/4	2,641.91
7	7	7	7	7	7	7	4,787.56	7	4,429.86	7	4,070.88	7	3,711.82	7	3,352.75	7	2,993.68	7	2,634.43
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,780.14	1/4	4,422.40	1/4	4,063.40	1/4	3,704.34	1/4	3,345.27	1/4	2,986.20	1/4	2,626.94
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,772.72	1/2	4,414.94	1/2	4,055.92	1/2	3,696.86	1/2	3,337.79	1/2	2,978.72	1/2	2,619.46
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,104.43	3/4	4,765.31	3/4	4,407.47	3/4	4,048.44	3/4	3,689.38	3/4	3,330.31	3/4	2,611.98
8	8	8	8	8	8	8	5,099.68	8	4,757.89	8	4,400.00	8	4,040.96	8	3,681.90	8	3,322.83	8	2,604.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,094.93	1/4	4,750.47	1/4	4,392.53	1/4	4,033.48	1/4	3,674.42	1/4	3,315.35	1/4	2,596.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,090.18	1/2	4,743.05	1/2	4,385.06	1/2	4,026.00	1/2	3,666.94	1/2	3,307.87	1/2	2,948.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,084.36	3/4	4,735.61	3/4	4,377.58	3/4	4,018.52	3/4	3,659.46	3/4	3,300.39	3/4	2,941.29
9	9	9	9	9	9	9	5,078.54	9	4,728.17	9	4,370.10	9	4,011.04	9	3,651.97	9	3,292.91	9	2,933.81
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,072.72	1/4	4,720.73	1/4	4,362.62	1/4	4,003.56	1/4	3,644.49	1/4	3,285.43	1/4	2,926.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,066.90	1/2	4,713.29	1/2	4,355.14	1/2	3,996.08	1/2	3,637.01	1/2	3,277.95	1/2	2,918.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,060.08	3/4	4,705.83	3/4	4,347.66	3/4	3,988.60	3/4	3,629.53	3/4	3,270.47	3/4	2,911.36
10	10	10	10	10	10	10	5,053.26	10	4,698.38	10	4,340.18	10	3,981.12	10	3,622.05	10	3,262.99	10	2,903.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,046.44	1/4	4,690.92	1/4	4,332.70	1/4	3,973.64	1/4	3,614.57	1/4	3,255.51	1/4	2,896.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,039.61	1/2	4,683.46	1/2	4,325.22	1/2	3,966.16	1/2	3,607.09	1/2	3,248.03	1/2	2,888.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,032.26	3/4	4,676.00	3/4	4,317.74	3/4	3,958.68	3/4	3,599.61	3/4	3,240.55	3/4	2,881.42
11	11	11	11	11	11	11	5,024.90	11	4,668.54	11	4,310.26	11	3,951.19	11	3,592.13	11	3,233.07	11	2,873.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,017.55	1/4	4,661.08	1/4	4,302.78	1/4	3,943.71	1/4	3,584.65	1/4	3,225.59	1/4	2,866.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,010.19	1/2	4,653.62	1/2	4,295.30	1/2	3,936.23	1/2	3,577.17	1/2	3,218.11	1/2	2,858.96
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,002.77	3/4	4,646.16	3/4	4,287.82	3/4	3,928.75	3/4	3,569.69	3/4	3,210.63	3/4	2,851.48

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'-08" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT & ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HTCO 3088"

2 STBD

ULLAGE TABLE
HERMETIC

GAUGE HEIGHT 16'-10 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,484.74	0	2,125.48	0	1,766.23	0	1,406.97	0	1,047.81	0	688.92	0	329.67	0		0		0	
1/4	2,477.25	1/4	2,118.00	1/4	1,758.74	1/4	1,399.49	1/4	1,040.34	1/4	681.44	1/4	322.19	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,469.77	1/2	2,110.51	1/2	1,751.26	1/2	1,392.00	1/2	1,032.87	1/2	673.95	1/2	314.71	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,462.29	3/4	2,103.03	3/4	1,743.77	3/4	1,384.52	3/4	1,025.39	3/4	666.47	3/4	307.22	3/4	3/4	3/4	3/4	3/4	3/4
1	2,454.80	1	2,095.54	1	1,736.29	1	1,377.03	1	1,017.92	1	658.98	1	299.74	1	1	1	1	1	1
1/4	2,447.32	1/4	2,088.06	1/4	1,728.80	1/4	1,369.55	1/4	1,010.45	1/4	651.50	1/4	292.25	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,439.83	1/2	2,080.58	1/2	1,721.32	1/2	1,362.06	1/2	1,002.98	1/2	644.02	1/2	284.77	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,432.35	3/4	2,073.09	3/4	1,713.84	3/4	1,354.58	3/4	995.51	3/4	636.53	3/4	277.28	3/4	3/4	3/4	3/4	3/4	3/4
2	2,424.86	2	2,065.61	2	1,706.35	2	1,347.09	2	988.04	2	629.05	2	269.80	2	2	2	2	2	2
1/4	2,417.38	1/4	2,058.12	1/4	1,698.87	1/4	1,339.61	1/4	980.57	1/4	621.56	1/4	262.32	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,409.89	1/2	2,050.64	1/2	1,691.38	1/2	1,332.13	1/2	973.09	1/2	614.08	1/2	254.83	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,402.41	3/4	2,043.15	3/4	1,683.90	3/4	1,324.64	3/4	965.62	3/4	606.59	3/4	247.35	3/4	3/4	3/4	3/4	3/4	3/4
3	2,394.92	3	2,035.67	3	1,676.41	3	1,317.16	3	958.15	3	599.11	3	239.86	3	3	3	3	3	3
1/4	2,387.44	1/4	2,028.18	1/4	1,668.93	1/4	1,309.67	1/4	950.68	1/4	591.63	1/4	232.38	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,379.96	1/2	2,020.70	1/2	1,661.44	1/2	1,302.19	1/2	943.21	1/2	584.14	1/2	224.89	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,372.47	3/4	2,013.22	3/4	1,653.96	3/4	1,294.70	3/4	935.74	3/4	576.66	3/4	217.41	3/4	3/4	3/4	3/4	3/4	3/4
4	2,364.99	4	2,005.73	4	1,646.47	4	1,287.22	4	928.27	4	569.17	4	209.93	4	4	4	4	4	4
1/4	2,357.50	1/4	1,998.25	1/4	1,638.99	1/4	1,279.73	1/4	920.79	1/4	561.69	1/4	202.44	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,350.02	1/2	1,990.76	1/2	1,631.51	1/2	1,272.25	1/2	913.32	1/2	554.20	1/2	194.96	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,342.53	3/4	1,983.28	3/4	1,624.02	3/4	1,264.77	3/4	905.85	3/4	546.72	3/4	187.47	3/4	3/4	3/4	3/4	3/4	3/4
5	2,335.05	5	1,975.79	5	1,616.54	5	1,257.28	5	898.38	5	539.24	5	179.99	5	5	5	5	5	5
1/4	2,327.56	1/4	1,968.31	1/4	1,609.05	1/4	1,249.80	1/4	890.91	1/4	531.75	1/4	172.50	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,320.08	1/2	1,960.82	1/2	1,601.57	1/2	1,242.31	1/2	883.44	1/2	524.27	1/2	165.02	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,312.60	3/4	1,953.34	3/4	1,594.08	3/4	1,234.83	3/4	875.96	3/4	516.78	3/4	157.54	3/4	3/4	3/4	3/4	3/4	3/4
6	2,305.11	6	1,945.85	6	1,586.60	6	1,227.34	6	868.49	6	509.30	6	150.05	6	6	6	6	6	6
1/4	2,297.63	1/4	1,938.37	1/4	1,579.11	1/4	1,219.86	1/4	861.02	1/4	501.81	1/4	142.57	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,290.14	1/2	1,930.89	1/2	1,571.63	1/2	1,212.37	1/2	853.55	1/2	494.33	1/2	135.08	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,282.66	3/4	1,923.40	3/4	1,564.15	3/4	1,204.89	3/4	846.07	3/4	486.84	3/4	127.60	3/4	3/4	3/4	3/4	3/4	3/4
7	2,275.17	7	1,915.92	7	1,556.66	7	1,197.40	7	838.59	7	479.36	7	120.11	7	7	7	7	7	7
1/4	2,267.69	1/4	1,908.43	1/4	1,549.18	1/4	1,189.92	1/4	831.12	1/4	471.88	1/4	112.63	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,260.20	1/2	1,900.95	1/2	1,541.69	1/2	1,182.44	1/2	823.64	1/2	464.39	1/2	105.15	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,252.72	3/4	1,893.46	3/4	1,534.21	3/4	1,174.95	3/4	816.15	3/4	456.91	3/4	97.66	3/4	3/4	3/4	3/4	3/4	3/4
8	2,245.23	8	1,885.98	8	1,526.72	8	1,167.47	8	808.67	8	449.42	8	90.18	8	8	8	8	8	8
1/4	2,237.75	1/4	1,878.49	1/4	1,519.24	1/4	1,159.98	1/4	801.19	1/4	441.94	1/4	82.69	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,230.27	1/2	1,871.01	1/2	1,511.75	1/2	1,152.50	1/2	793.70	1/2	434.45	1/2	75.21	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,222.78	3/4	1,863.53	3/4	1,504.27	3/4	1,145.02	3/4	786.22	3/4	426.97	3/4	68.19	3/4	3/4	3/4	3/4	3/4	3/4
9	2,215.30	9	1,856.04	9	1,496.78	9	1,137.53	9	778.73	9	419.49	9	61.18	9	9	9	9	9	9
1/4	2,207.81	1/4	1,848.56	1/4	1,489.30	1/4	1,130.05	1/4	771.25	1/4	412.00	1/4	54.16	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,200.33	1/2	1,841.07	1/2	1,481.82	1/2	1,122.57	1/2	763.76	1/2	404.52	1/2	47.14	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,192.84	3/4	1,833.59	3/4	1,474.33	3/4	1,115.09	3/4	756.28	3/4	397.03	3/4	41.53	3/4	3/4	3/4	3/4	3/4	3/4
10	2,185.36	10	1,826.10	10	1,466.85	10	1,107.61	10	748.80	10	389.55	10	35.92	10	10	10	10	10	10
1/4	2,177.87	1/4	1,818.62	1/4	1,459.36	1/4	1,100.13	1/4	741.31	1/4	382.06	1/4	30.30	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,170.39	1/2	1,811.13	1/2	1,451.88	1/2	1,092.65	1/2	733.83	1/2	374.58	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,162.91	3/4	1,803.65	3/4	1,444.39	3/4	1,085.18	3/4	726.34	3/4	367.10	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	2,155.42	11	1,796.16	11	1,436.91	11	1,077.70	11	718.86	11	359.61	11		11	11	11	11	11	11
1/4	2,147.94	1/4	1,788.68	1/4	1,429.42	1/4	1,070.23	1/4	711.37	1/4	352.13	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,140.45	1/2	1,781.20	1/2	1,421.94	1/2	1,062.75	1/2	703.89	1/2	344.64	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,132.97	3/4	1,773.71	3/4	1,414.46	3/4	1,055.28	3/4	696.41	3/4	337.16	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/10/2012 CL
RECALCULATED: 06/28/2022 CL
REPRINTED: 06/28/2022 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2022

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



BARGE "HTCO 3088"

3 PORT ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 16'-10 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,531.35	0	4,285.43	0	4,038.32	0	3,790.75	0	3,529.49	0	3,173.15	0	2,816.05
1/4		1/4		1/4		1/4	4,526.23	1/4	4,280.28	1/4	4,033.16	1/4	3,785.59	1/4	3,522.06	1/4	3,165.71	1/4	2,808.61
1/2		1/2		1/2		1/2	4,521.12	1/2	4,275.14	1/2	4,028.01	1/2	3,780.43	1/2	3,514.63	1/2	3,158.27	1/2	2,801.17
3/4		3/4		3/4		3/4	4,516.00	3/4	4,270.00	3/4	4,022.85	3/4	3,775.27	3/4	3,507.20	3/4	3,150.83	3/4	2,793.73
1		1		1		1	4,510.88	1	4,264.85	1	4,017.69	1	3,770.12	1	3,499.78	1	3,143.39	1	2,786.29
1/4		1/4		1/4		1/4	4,505.76	1/4	4,259.71	1/4	4,012.53	1/4	3,764.96	1/4	3,492.36	1/4	3,135.95	1/4	2,778.85
1/2		1/2		1/2		1/2	4,500.64	1/2	4,254.57	1/2	4,007.38	1/2	3,759.80	1/2	3,484.93	1/2	3,128.52	1/2	2,771.41
3/4		3/4		3/4		3/4	4,495.52	3/4	4,249.43	3/4	4,002.22	3/4	3,754.64	3/4	3,477.52	3/4	3,121.08	3/4	2,763.97
2		2		2		2	4,490.40	2	4,244.28	2	3,997.06	2	3,749.49	2	3,470.10	2	3,113.64	2	2,756.53
1/4		1/4		1/4		1/4	4,485.29	1/4	4,239.14	1/4	3,991.90	1/4	3,744.33	1/4	3,462.68	1/4	3,106.20	1/4	2,749.08
1/2		1/2		1/2		1/2	4,480.17	1/2	4,234.00	1/2	3,986.74	1/2	3,739.17	1/2	3,455.26	1/2	3,098.76	1/2	2,741.64
3/4		3/4		3/4		3/4	4,475.05	3/4	4,228.85	3/4	3,981.59	3/4	3,734.01	3/4	3,447.85	3/4	3,091.32	3/4	2,734.20
3		3		3		3	4,469.93	3	4,223.71	3	3,976.43	3	3,728.85	3	3,440.43	3	3,083.89	3	2,726.76
1/4		1/4		1/4		1/4	4,464.82	1/4	4,218.57	1/4	3,971.27	1/4	3,723.70	1/4	3,433.01	1/4	3,076.45	1/4	2,719.32
1/2		1/2		1/2		1/2	4,459.70	1/2	4,213.42	1/2	3,966.11	1/2	3,718.54	1/2	3,425.59	1/2	3,069.01	1/2	2,711.88
3/4		3/4		3/4		3/4	4,454.58	3/4	4,208.28	3/4	3,960.96	3/4	3,713.38	3/4	3,418.18	3/4	3,061.57	3/4	2,704.44
4		4		4		4	4,449.47	4	4,203.14	4	3,955.80	4	3,708.22	4	3,410.76	4	3,054.13	4	2,697.00
1/4		1/4		1/4		1/4	4,444.35	1/4	4,197.99	1/4	3,950.64	1/4	3,703.07	1/4	3,403.34	1/4	3,046.69	1/4	2,689.56
1/2		1/2		1/2		1/2	4,439.24	1/2	4,192.85	1/2	3,945.48	1/2	3,697.91	1/2	3,395.92	1/2	3,039.26	1/2	2,682.12
3/4		3/4		3/4		3/4	4,434.12	3/4	4,187.71	3/4	3,940.32	3/4	3,692.75	3/4	3,388.51	3/4	3,031.82	3/4	2,674.67
5		5		5		5	4,429.00	5	4,182.56	5	3,935.17	5	3,687.59	5	3,381.09	5	3,024.38	5	2,667.23
1/4		1/4		1/4		1/4	4,423.89	1/4	4,177.42	1/4	3,930.01	1/4	3,682.43	1/4	3,373.67	1/4	3,016.94	1/4	2,659.79
1/2		1/2		1/2		1/2	4,418.77	1/2	4,172.28	1/2	3,924.85	1/2	3,677.28	1/2	3,366.25	1/2	3,009.50	1/2	2,652.35
3/4		3/4		3/4		3/4	4,413.66	3/4	4,167.13	3/4	3,919.69	3/4	3,672.12	3/4	3,358.84	3/4	3,002.07	3/4	2,644.91
6		6		6		6	4,408.54	6	4,161.99	6	3,914.53	6	3,666.96	6	3,351.42	6	2,994.63	6	2,637.47
1/4		1/4		1/4		1/4	4,403.42	1/4	4,156.85	1/4	3,909.38	1/4	3,661.80	1/4	3,344.00	1/4	2,987.19	1/4	2,630.03
1/2		1/2		1/2		1/2	4,398.31	1/2	4,151.70	1/2	3,904.22	1/2	3,656.64	1/2	3,336.58	1/2	2,979.75	1/2	2,622.59
3/4		3/4		3/4		3/4	4,393.19	3/4	4,146.56	3/4	3,899.06	3/4	3,651.49	3/4	3,329.16	3/4	2,972.31	3/4	2,615.14
7		7		7		7	4,388.08	7	4,141.42	7	3,893.90	7	3,646.33	7	3,321.75	7	2,964.87	7	2,607.70
1/4		1/4		1/4		1/4	4,382.96	1/4	4,136.27	1/4	3,888.75	1/4	3,641.17	1/4	3,314.33	1/4	2,957.43	1/4	2,600.25
1/2		1/2		1/2		1/2	4,377.84	1/2	4,131.13	1/2	3,883.59	1/2	3,636.01	1/2	3,306.91	1/2	2,949.99	1/2	2,592.81
3/4		3/4		3/4		3/4	4,601.31	3/4	4,372.73	3/4	4,125.98	3/4	3,878.43	3/4	3,630.86	3/4	3,299.49	3/4	2,942.55
8		8		8		8	4,598.85	8	4,367.61	8	4,120.83	8	3,873.27	8	3,625.70	8	3,292.08	8	2,935.11
1/4		1/4		1/4		1/4	4,596.40	1/4	4,362.50	1/4	4,115.68	1/4	3,868.11	1/4	3,620.54	1/4	3,284.66	1/4	2,927.67
1/2		1/2		1/2		1/2	4,593.95	1/2	4,357.38	1/2	4,110.53	1/2	3,862.96	1/2	3,615.38	1/2	3,277.24	1/2	2,920.23
3/4		3/4		3/4		3/4	4,590.43	3/4	4,352.25	3/4	4,105.37	3/4	3,857.80	3/4	3,610.22	3/4	3,269.81	3/4	2,912.79
9		9		9		9	4,586.91	9	4,347.12	9	4,100.22	9	3,852.64	9	3,605.07	9	3,262.39	9	2,905.35
1/4		1/4		1/4		1/4	4,583.39	1/4	4,341.99	1/4	4,095.06	1/4	3,847.48	1/4	3,599.91	1/4	3,254.96	1/4	2,897.90
1/2		1/2		1/2		1/2	4,579.87	1/2	4,336.86	1/2	4,089.90	1/2	3,842.33	1/2	3,594.75	1/2	3,247.53	1/2	2,890.46
3/4		3/4		3/4		3/4	4,575.35	3/4	4,331.72	3/4	4,084.74	3/4	3,837.17	3/4	3,589.02	3/4	3,240.09	3/4	2,883.02
10		10		10		10	4,570.84	10	4,326.57	10	4,079.58	10	3,832.01	10	3,583.28	10	3,232.65	10	2,875.58
1/4		1/4		1/4		1/4	4,566.32	1/4	4,321.43	1/4	4,074.43	1/4	3,826.85	1/4	3,577.55	1/4	3,225.21	1/4	2,868.14
1/2		1/2		1/2		1/2	4,561.80	1/2	4,316.29	1/2	4,069.27	1/2	3,821.69	1/2	3,571.82	1/2	3,217.78	1/2	2,860.70
3/4		3/4		3/4		3/4	4,556.75	3/4	4,311.14	3/4	4,064.11	3/4	3,816.54	3/4	3,566.95	3/4	3,210.34	3/4	2,853.26
11		11		11		11	4,551.69	11	4,306.00	11	4,058.95	11	3,811.38	11	3,558.08	11	3,202.90	11	2,845.82
1/4		1/4		1/4		1/4	4,546.64	1/4	4,300.86	1/4	4,053.80	1/4	3,806.22	1/4	3,551.21	1/4	3,195.46	1/4	2,838.38
1/2		1/2		1/2		1/2	4,541.59	1/2	4,295.71	1/2	4,048.64	1/2	3,801.06	1/2	3,544.34	1/2	3,188.02	1/2	2,830.94
3/4		3/4		3/4		3/4	4,536.47	3/4	4,290.57	3/4	4,043.48	3/4	3,795.91	3/4	3,536.91	3/4	3,180.58	3/4	2,823.49

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 40'-10" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "HTCO 3088"

3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,458.89	0	2,103.71	0	1,747.95	0	1,390.43	0	1,037.30	0	686.14	0	328.44	0		0		0	
1/4	2,451.48	1/4	2,096.32	1/4	1,740.50	1/4	1,382.98	1/4	1,030.08	1/4	678.69	1/4	320.99	1/4	1/4	1/4		1/4	
1/2	2,444.07	1/2	2,088.94	1/2	1,733.05	1/2	1,375.53	1/2	1,022.86	1/2	671.23	1/2	313.54	1/2	1/2	1/2		1/2	
3/4	2,436.66	3/4	2,081.55	3/4	1,725.60	3/4	1,368.09	3/4	1,015.64	3/4	663.78	3/4	306.09	3/4	3/4	3/4		3/4	
1	2,429.25	1	2,074.17	1	1,718.16	1	1,360.64	1	1,008.43	1	656.33	1	298.64	1	1	1		1	
1/4	2,421.84	1/4	2,066.78	1/4	1,710.71	1/4	1,353.19	1/4	1,001.21	1/4	648.88	1/4	291.19	1/4	1/4	1/4		1/4	
1/2	2,414.43	1/2	2,059.40	1/2	1,703.26	1/2	1,345.74	1/2	993.99	1/2	641.42	1/2	283.73	1/2	1/2	1/2		1/2	
3/4	2,407.02	3/4	2,052.01	3/4	1,695.81	3/4	1,338.29	3/4	986.77	3/4	633.97	3/4	276.28	3/4	3/4	3/4		3/4	
2	2,399.61	2	2,044.63	2	1,688.36	2	1,330.84	2	979.55	2	626.52	2	268.83	2	2	2		2	
1/4	2,392.21	1/4	2,037.24	1/4	1,680.91	1/4	1,323.40	1/4	972.33	1/4	619.07	1/4	261.38	1/4	1/4	1/4		1/4	
1/2	2,384.80	1/2	2,029.86	1/2	1,673.47	1/2	1,315.95	1/2	965.12	1/2	611.61	1/2	253.93	1/2	1/2	1/2		1/2	
3/4	2,377.39	3/4	2,022.47	3/4	1,666.02	3/4	1,308.50	3/4	957.90	3/4	604.16	3/4	246.48	3/4	3/4	3/4		3/4	
3	2,369.98	3	2,015.09	3	1,658.57	3	1,301.05	3	950.68	3	596.71	3	239.03	3	3	3		3	
1/4	2,362.57	1/4	2,007.70	1/4	1,651.12	1/4	1,293.60	1/4	943.46	1/4	589.26	1/4	231.57	1/4	1/4	1/4		1/4	
1/2	2,355.16	1/2	2,000.32	1/2	1,643.67	1/2	1,286.15	1/2	936.24	1/2	581.80	1/2	224.12	1/2	1/2	1/2		1/2	
3/4	2,347.75	3/4	1,992.93	3/4	1,636.22	3/4	1,278.71	3/4	929.03	3/4	574.35	3/4	216.67	3/4	3/4	3/4		3/4	
4	2,340.34	4	1,985.55	4	1,628.78	4	1,271.26	4	921.81	4	566.90	4	209.22	4	4	4		4	
1/4	2,332.93	1/4	1,978.16	1/4	1,621.33	1/4	1,263.81	1/4	914.59	1/4	559.44	1/4	201.76	1/4	1/4	1/4		1/4	
1/2	2,325.52	1/2	1,970.77	1/2	1,613.88	1/2	1,256.36	1/2	907.37	1/2	551.99	1/2	194.31	1/2	1/2	1/2		1/2	
3/4	2,318.11	3/4	1,963.39	3/4	1,606.43	3/4	1,248.91	3/4	900.15	3/4	544.54	3/4	186.86	3/4	3/4	3/4		3/4	
5	2,310.70	5	1,956.00	5	1,598.98	5	1,241.46	5	892.93	5	537.09	5	179.41	5	5	5		5	
1/4	2,303.29	1/4	1,948.62	1/4	1,591.53	1/4	1,234.02	1/4	885.72	1/4	529.63	1/4	171.95	1/4	1/4	1/4		1/4	
1/2	2,295.88	1/2	1,941.23	1/2	1,584.09	1/2	1,226.57	1/2	878.50	1/2	522.18	1/2	164.50	1/2	1/2	1/2		1/2	
3/4	2,288.47	3/4	1,933.85	3/4	1,576.64	3/4	1,219.12	3/4	871.28	3/4	514.73	3/4	157.05	3/4	3/4	3/4		3/4	
6	2,281.06	6	1,926.46	6	1,569.19	6	1,211.67	6	864.06	6	507.28	6	149.59	6	6	6		6	
1/4	2,273.65	1/4	1,919.08	1/4	1,561.74	1/4	1,204.22	1/4	856.84	1/4	499.82	1/4	142.14	1/4	1/4	1/4		1/4	
1/2	2,266.24	1/2	1,911.69	1/2	1,554.29	1/2	1,196.77	1/2	849.62	1/2	492.37	1/2	134.68	1/2	1/2	1/2		1/2	
3/4	2,258.84	3/4	1,904.27	3/4	1,546.84	3/4	1,189.43	3/4	842.29	3/4	484.92	3/4	127.23	3/4	3/4	3/4		3/4	
7	2,251.44	7	1,896.85	7	1,539.40	7	1,182.09	7	834.96	7	477.47	7	119.77	7	7	7		7	
1/4	2,244.04	1/4	1,889.44	1/4	1,531.95	1/4	1,174.74	1/4	827.62	1/4	470.02	1/4	112.31	1/4	1/4	1/4		1/4	
1/2	2,236.65	1/2	1,882.02	1/2	1,524.50	1/2	1,167.40	1/2	820.29	1/2	462.56	1/2	104.86	1/2	1/2	1/2		1/2	
3/4	2,229.26	3/4	1,874.57	3/4	1,517.05	3/4	1,160.16	3/4	812.83	3/4	455.11	3/4	97.40	3/4	3/4	3/4		3/4	
8	2,221.87	8	1,867.12	8	1,509.60	8	1,152.93	8	805.38	8	447.66	8	89.93	8	8	8		8	
1/4	2,214.49	1/4	1,859.67	1/4	1,502.15	1/4	1,145.69	1/4	797.93	1/4	440.21	1/4	82.47	1/4	1/4	1/4		1/4	
1/2	2,207.10	1/2	1,852.22	1/2	1,494.71	1/2	1,138.45	1/2	790.48	1/2	432.76	1/2	75.01	1/2	1/2	1/2		1/2	
3/4	2,199.72	3/4	1,844.78	3/4	1,487.26	3/4	1,131.22	3/4	783.02	3/4	425.31	3/4	68.01	3/4	3/4	3/4		3/4	
9	2,192.33	9	1,837.33	9	1,479.81	9	1,123.99	9	775.57	9	417.86	9	61.01	9	9	9		9	
1/4	2,184.95	1/4	1,829.88	1/4	1,472.36	1/4	1,116.76	1/4	768.12	1/4	410.40	1/4	54.02	1/4	1/4	1/4		1/4	
1/2	2,177.56	1/2	1,822.43	1/2	1,464.91	1/2	1,109.52	1/2	760.66	1/2	402.95	1/2	47.02	1/2	1/2	1/2		1/2	
3/4	2,170.18	3/4	1,814.98	3/4	1,457.46	3/4	1,102.30	3/4	753.21	3/4	395.50	3/4	41.42	3/4	3/4	3/4		3/4	
10	2,162.79	10	1,807.53	10	1,450.02	10	1,095.07	10	745.76	10	388.05	10	35.82	10	10	10		10	
1/4	2,155.41	1/4	1,800.09	1/4	1,442.57	1/4	1,087.85	1/4	738.31	1/4	380.60	1/4	30.22	1/4	1/4	1/4		1/4	
1/2	2,148.02	1/2	1,792.64	1/2	1,435.12	1/2	1,080.62	1/2	730.85	1/2	373.15	1/2		1/2	1/2	1/2		1/2	
3/4	2,140.64	3/4	1,785.19	3/4	1,427.67	3/4	1,073.40	3/4	723.40	3/4	365.70	3/4		3/4	3/4	3/4		3/4	
11	2,133.25	11	1,777.74	11	1,420.22	11	1,066.18	11	715.95	11	358.25	11		11	11	11		11	
1/4	2,125.87	1/4	1,770.29	1/4	1,412.77	1/4	1,058.96	1/4	708.50	1/4	350.79	1/4		1/4	1/4	1/4		1/4	
1/2	2,118.48	1/2	1,762.84	1/2	1,405.33	1/2	1,051.73	1/2	701.04	1/2	343.34	1/2		1/2	1/2	1/2		1/2	
3/4	2,111.10	3/4	1,755.40	3/4	1,397.88	3/4	1,044.52	3/4	693.59	3/4	335.89	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/10/2012 CL
RECALCULATED: 06/28/2022 CL
REPRINTED: 06/28/2022 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2022

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



BARGE "HTCO 3088"

3 STBD ULLAGE TABLE

HERMETIC GAUGE HEIGHT 16'-10"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,547.55	0	4,301.57	0	4,054.40	0	3,806.79	0	3,543.21	0	3,186.16	0	2,828.32
1/4		1/4		1/4		1/4	4,542.43	1/4	4,296.42	1/4	4,049.24	1/4	3,801.63	1/4	3,535.78	1/4	3,178.71	1/4	2,820.87
1/2		1/2		1/2		1/2	4,537.32	1/2	4,291.28	1/2	4,044.08	1/2	3,796.48	1/2	3,528.35	1/2	3,171.25	1/2	2,813.41
3/4		3/4		3/4		3/4	4,532.20	3/4	4,286.14	3/4	4,038.93	3/4	3,791.32	3/4	3,520.91	3/4	3,163.80	3/4	2,805.95
1		1		1		1	4,527.08	1	4,280.99	1	4,033.77	1	3,786.16	1	3,513.48	1	3,156.34	1	2,798.50
1/4		1/4		1/4		1/4	4,521.96	1/4	4,275.85	1/4	4,028.61	1/4	3,781.00	1/4	3,506.05	1/4	3,148.89	1/4	2,791.04
1/2		1/2		1/2		1/2	4,516.84	1/2	4,270.70	1/2	4,023.45	1/2	3,775.84	1/2	3,498.62	1/2	3,141.44	1/2	2,783.59
3/4		3/4		3/4		3/4	4,511.72	3/4	4,265.56	3/4	4,018.29	3/4	3,770.68	3/4	3,491.18	3/4	3,133.98	3/4	2,776.13
2		2		2		2	4,506.60	2	4,260.42	2	4,013.13	2	3,765.52	2	3,483.75	2	3,126.53	2	2,768.67
1/4		1/4		1/4		1/4	4,501.48	1/4	4,255.27	1/4	4,007.97	1/4	3,760.37	1/4	3,476.32	1/4	3,119.08	1/4	2,761.22
1/2		1/2		1/2		1/2	4,496.36	1/2	4,250.13	1/2	4,002.82	1/2	3,755.21	1/2	3,468.88	1/2	3,111.62	1/2	2,753.76
3/4		3/4		3/4		3/4	4,491.24	3/4	4,244.98	3/4	3,997.66	3/4	3,750.05	3/4	3,461.45	3/4	3,104.17	3/4	2,746.30
3		3		3		3	4,486.13	3	4,239.84	3	3,992.50	3	3,744.89	3	3,454.02	3	3,096.71	3	2,738.85
1/4		1/4		1/4		1/4	4,481.01	1/4	4,234.70	1/4	3,987.34	1/4	3,739.73	1/4	3,446.58	1/4	3,089.26	1/4	2,731.39
1/2		1/2		1/2		1/2	4,475.89	1/2	4,229.55	1/2	3,982.18	1/2	3,734.57	1/2	3,439.15	1/2	3,081.81	1/2	2,723.93
3/4		3/4		3/4		3/4	4,470.77	3/4	4,224.41	3/4	3,977.02	3/4	3,729.42	3/4	3,431.72	3/4	3,074.35	3/4	2,716.48
4		4		4		4	4,465.66	4	4,219.26	4	3,971.86	4	3,724.26	4	3,424.29	4	3,066.90	4	2,709.02
1/4		1/4		1/4		1/4	4,460.54	1/4	4,214.12	1/4	3,966.71	1/4	3,719.10	1/4	3,416.85	1/4	3,059.45	1/4	2,701.57
1/2		1/2		1/2		1/2	4,455.42	1/2	4,208.97	1/2	3,961.55	1/2	3,713.94	1/2	3,409.42	1/2	3,051.99	1/2	2,694.11
3/4		3/4		3/4		3/4	4,450.31	3/4	4,203.83	3/4	3,956.39	3/4	3,708.78	3/4	3,401.99	3/4	3,044.54	3/4	2,686.65
5		5		5		5	4,445.19	5	4,198.69	5	3,951.23	5	3,703.62	5	3,394.55	5	3,037.09	5	2,679.20
1/4		1/4		1/4		1/4	4,440.07	1/4	4,193.54	1/4	3,946.07	1/4	3,698.46	1/4	3,387.12	1/4	3,029.63	1/4	2,671.74
1/2		1/2		1/2		1/2	4,434.96	1/2	4,188.40	1/2	3,940.91	1/2	3,693.31	1/2	3,379.69	1/2	3,022.18	1/2	2,664.28
3/4		3/4		3/4		3/4	4,429.84	3/4	4,183.25	3/4	3,935.76	3/4	3,688.15	3/4	3,372.25	3/4	3,014.72	3/4	2,656.83
6		6		6		6	4,424.72	6	4,178.11	6	3,930.60	6	3,682.99	6	3,364.82	6	3,007.27	6	2,649.37
1/4		1/4		1/4		1/4	4,419.61	1/4	4,172.97	1/4	3,925.44	1/4	3,677.83	1/4	3,357.39	1/4	2,999.82	1/4	2,641.91
1/2		1/2		1/2		1/2	4,414.49	1/2	4,167.82	1/2	3,920.28	1/2	3,672.67	1/2	3,349.96	1/2	2,992.36	1/2	2,634.46
3/4		3/4		3/4		3/4	4,409.37	3/4	4,162.68	3/4	3,915.12	3/4	3,667.51	3/4	3,342.52	3/4	2,984.91	3/4	2,627.00
7		7		7		7	4,404.26	7	4,157.53	7	3,909.96	7	3,662.35	7	3,335.09	7	2,977.45	7	2,619.54
1/4		1/4		1/4		1/4	4,399.14	1/4	4,152.39	1/4	3,904.80	1/4	3,657.20	1/4	3,327.66	1/4	2,970.00	1/4	2,612.08
1/2		1/2		1/2		1/2	4,622.65	1/2	4,394.02	1/2	4,147.24	1/2	3,899.65	1/2	3,652.04	1/2	3,320.22	1/2	2,962.54
3/4		3/4		3/4		3/4	4,620.19	3/4	4,388.91	3/4	4,142.08	3/4	3,894.49	3/4	3,646.88	3/4	3,312.79	3/4	2,955.08
8		8		8		8	4,617.74	8	4,383.79	8	4,136.93	8	3,889.33	8	3,641.72	8	3,305.36	8	2,947.63
1/4		1/4		1/4		1/4	4,615.28	1/4	4,378.67	1/4	4,131.78	1/4	3,884.17	1/4	3,636.56	1/4	3,297.92	1/4	2,940.17
1/2		1/2		1/2		1/2	4,611.76	1/2	4,373.54	1/2	4,126.62	1/2	3,879.01	1/2	3,631.40	1/2	3,290.48	1/2	2,932.71
3/4		3/4		3/4		3/4	4,608.24	3/4	4,368.41	3/4	4,121.46	3/4	3,873.85	3/4	3,626.25	3/4	3,283.04	3/4	2,925.26
9		9		9		9	4,604.72	9	4,363.28	9	4,116.30	9	3,868.69	9	3,621.09	9	3,275.59	9	2,917.80
1/4		1/4		1/4		1/4	4,601.20	1/4	4,358.15	1/4	4,111.14	1/4	3,863.54	1/4	3,615.93	1/4	3,268.15	1/4	2,910.34
1/2		1/2		1/2		1/2	4,596.68	1/2	4,353.01	1/2	4,105.99	1/2	3,858.38	1/2	3,610.19	1/2	3,260.70	1/2	2,902.89
3/4		3/4		3/4		3/4	4,592.16	3/4	4,347.87	3/4	4,100.83	3/4	3,853.22	3/4	3,604.46	3/4	3,253.24	3/4	2,895.43
10		10		10		10	4,587.64	10	4,342.72	10	4,095.67	10	3,848.06	10	3,598.73	10	3,245.79	10	2,887.98
1/4		1/4		1/4		1/4	4,583.12	1/4	4,337.58	1/4	4,090.51	1/4	3,842.90	1/4	3,592.99	1/4	3,238.33	1/4	2,880.52
1/2		1/2		1/2		1/2	4,578.07	1/2	4,332.43	1/2	4,085.35	1/2	3,837.74	1/2	3,586.12	1/2	3,230.88	1/2	2,873.06
3/4		3/4		3/4		3/4	4,573.02	3/4	4,327.29	3/4	4,080.19	3/4	3,832.59	3/4	3,579.25	3/4	3,223.43	3/4	2,865.61
11		11		11		11	4,567.97	11	4,322.15	11	4,075.03	11	3,827.43	11	3,572.38	11	3,215.97	11	2,858.15
1/4		1/4		1/4		1/4	4,562.91	1/4	4,317.00	1/4	4,069.88	1/4	3,822.27	1/4	3,565.51	1/4	3,208.52	1/4	2,850.69
1/2		1/2		1/2		1/2	4,557.79	1/2	4,311.86	1/2	4,064.72	1/2	3,817.11	1/2	3,558.08	1/2	3,201.07	1/2	2,843.24
3/4		3/4		3/4		3/4	4,552.67	3/4	4,306.71	3/4	4,059.56	3/4	3,811.95	3/4	3,550.65	3/4	3,193.61	3/4	2,835.78

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 40'-10" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "HTCO 3088"

3 STBD

ULLAGE TABLE HERMETIC

GAUGE HEIGHT 16'-10"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,470.27	0	2,112.01	0	1,753.75	0	1,395.50	0	1,037.38	0	679.54	0	321.29	0		0		0	
1/4	2,462.80	1/4	2,104.55	1/4	1,746.29	1/4	1,388.03	1/4	1,029.93	1/4	672.07	1/4	313.83	1/4	1/4	1/4		1/4	1/4
1/2	2,455.34	1/2	2,097.08	1/2	1,738.83	1/2	1,380.57	1/2	1,022.48	1/2	664.61	1/2	306.37	1/2	1/2	1/2		1/2	1/2
3/4	2,447.88	3/4	2,089.62	3/4	1,731.36	3/4	1,373.10	3/4	1,015.03	3/4	657.15	3/4	298.90	3/4	3/4	3/4		3/4	3/4
1	2,440.41	1	2,082.16	1	1,723.90	1	1,365.64	1	1,007.58	1	649.68	1	291.44	1	1	1		1	1
1/4	2,432.95	1/4	2,074.69	1/4	1,716.43	1/4	1,358.18	1/4	1,000.14	1/4	642.22	1/4	283.98	1/4	1/4	1/4		1/4	1/4
1/2	2,425.49	1/2	2,067.23	1/2	1,708.97	1/2	1,350.71	1/2	992.69	1/2	634.76	1/2	276.51	1/2	1/2	1/2		1/2	1/2
3/4	2,418.02	3/4	2,059.76	3/4	1,701.51	3/4	1,343.25	3/4	985.24	3/4	627.29	3/4	269.05	3/4	3/4	3/4		3/4	3/4
2	2,410.56	2	2,052.30	2	1,694.04	2	1,335.79	2	977.79	2	619.83	2	261.59	2	2	2		2	2
1/4	2,403.09	1/4	2,044.84	1/4	1,686.58	1/4	1,328.32	1/4	970.34	1/4	612.37	1/4	254.12	1/4	1/4	1/4		1/4	1/4
1/2	2,395.63	1/2	2,037.37	1/2	1,679.12	1/2	1,320.86	1/2	962.89	1/2	604.90	1/2	246.66	1/2	1/2	1/2		1/2	1/2
3/4	2,388.17	3/4	2,029.91	3/4	1,671.65	3/4	1,313.39	3/4	955.45	3/4	597.44	3/4	239.20	3/4	3/4	3/4		3/4	3/4
3	2,380.70	3	2,022.45	3	1,664.19	3	1,305.93	3	948.00	3	589.98	3	231.73	3	3	3		3	3
1/4	2,373.24	1/4	2,014.98	1/4	1,656.72	1/4	1,298.47	1/4	940.55	1/4	582.51	1/4	224.27	1/4	1/4	1/4		1/4	1/4
1/2	2,365.78	1/2	2,007.52	1/2	1,649.26	1/2	1,291.00	1/2	933.10	1/2	575.05	1/2	216.81	1/2	1/2	1/2		1/2	1/2
3/4	2,358.31	3/4	2,000.06	3/4	1,641.80	3/4	1,283.54	3/4	925.65	3/4	567.58	3/4	209.34	3/4	3/4	3/4		3/4	3/4
4	2,350.85	4	1,992.59	4	1,634.33	4	1,276.08	4	918.20	4	560.12	4	201.88	4	4	4		4	4
1/4	2,343.39	1/4	1,985.13	1/4	1,626.87	1/4	1,268.61	1/4	910.76	1/4	552.66	1/4	194.41	1/4	1/4	1/4		1/4	1/4
1/2	2,335.92	1/2	1,977.66	1/2	1,619.41	1/2	1,261.15	1/2	903.31	1/2	545.19	1/2	186.95	1/2	1/2	1/2		1/2	1/2
3/4	2,328.46	3/4	1,970.20	3/4	1,611.94	3/4	1,253.69	3/4	895.86	3/4	537.73	3/4	179.49	3/4	3/4	3/4		3/4	3/4
5	2,320.99	5	1,962.74	5	1,604.48	5	1,246.22	5	888.41	5	530.27	5	172.02	5	5	5		5	5
1/4	2,313.53	1/4	1,955.27	1/4	1,597.02	1/4	1,238.76	1/4	880.96	1/4	522.80	1/4	164.56	1/4	1/4	1/4		1/4	1/4
1/2	2,306.07	1/2	1,947.81	1/2	1,589.55	1/2	1,231.29	1/2	873.51	1/2	515.34	1/2	157.10	1/2	1/2	1/2		1/2	1/2
3/4	2,298.60	3/4	1,940.35	3/4	1,582.09	3/4	1,223.83	3/4	866.07	3/4	507.88	3/4	149.63	3/4	3/4	3/4		3/4	3/4
6	2,291.14	6	1,932.88	6	1,574.62	6	1,216.37	6	858.62	6	500.41	6	142.17	6	6	6		6	6
1/4	2,283.68	1/4	1,925.42	1/4	1,567.16	1/4	1,208.90	1/4	851.17	1/4	492.95	1/4	134.71	1/4	1/4	1/4		1/4	1/4
1/2	2,276.21	1/2	1,917.95	1/2	1,559.70	1/2	1,201.44	1/2	843.71	1/2	485.49	1/2	127.24	1/2	1/2	1/2		1/2	1/2
3/4	2,268.75	3/4	1,910.49	3/4	1,552.23	3/4	1,193.98	3/4	836.25	3/4	478.02	3/4	119.78	3/4	3/4	3/4		3/4	3/4
7	2,261.28	7	1,903.03	7	1,544.77	7	1,186.51	7	828.80	7	470.56	7	112.32	7	7	7		7	7
1/4	2,253.82	1/4	1,895.56	1/4	1,537.31	1/4	1,179.05	1/4	821.34	1/4	463.10	1/4	104.85	1/4	1/4	1/4		1/4	1/4
1/2	2,246.36	1/2	1,888.10	1/2	1,529.84	1/2	1,171.58	1/2	813.88	1/2	455.63	1/2	97.39	1/2	1/2	1/2		1/2	1/2
3/4	2,238.89	3/4	1,880.64	3/4	1,522.38	3/4	1,164.12	3/4	806.41	3/4	448.17	3/4	89.93	3/4	3/4	3/4		3/4	3/4
8	2,231.43	8	1,873.17	8	1,514.91	8	1,156.66	8	798.95	8	440.71	8	82.46	8	8	8		8	8
1/4	2,223.97	1/4	1,865.71	1/4	1,507.45	1/4	1,149.19	1/4	791.49	1/4	433.24	1/4	75.00	1/4	1/4	1/4		1/4	1/4
1/2	2,216.50	1/2	1,858.24	1/2	1,499.99	1/2	1,141.73	1/2	784.02	1/2	425.78	1/2	68.00	1/2	1/2	1/2		1/2	1/2
3/4	2,209.04	3/4	1,850.78	3/4	1,492.52	3/4	1,134.27	3/4	776.56	3/4	418.32	3/4	61.01	3/4	3/4	3/4		3/4	3/4
9	2,201.58	9	1,843.32	9	1,485.06	9	1,126.81	9	769.10	9	410.85	9	54.01	9	9	9		9	9
1/4	2,194.11	1/4	1,835.85	1/4	1,477.60	1/4	1,119.35	1/4	761.63	1/4	403.39	1/4	47.01	1/4	1/4	1/4		1/4	1/4
1/2	2,186.65	1/2	1,828.39	1/2	1,470.13	1/2	1,111.90	1/2	754.17	1/2	395.93	1/2	41.41	1/2	1/2	1/2		1/2	1/2
3/4	2,179.18	3/4	1,820.93	3/4	1,462.67	3/4	1,104.44	3/4	746.71	3/4	388.46	3/4	35.82	3/4	3/4	3/4		3/4	3/4
10	2,171.72	10	1,813.46	10	1,455.21	10	1,096.99	10	739.24	10	381.00	10	30.22	10	10	10		10	10
1/4	2,164.26	1/4	1,806.00	1/4	1,447.74	1/4	1,089.53	1/4	731.78	1/4	373.54	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,156.79	1/2	1,798.54	1/2	1,440.28	1/2	1,082.08	1/2	724.32	1/2	366.07	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,149.33	3/4	1,791.07	3/4	1,432.81	3/4	1,074.63	3/4	716.85	3/4	358.61	3/4		3/4	3/4	3/4		3/4	3/4
11	2,141.87	11	1,783.61	11	1,425.35	11	1,067.18	11	709.39	11	351.15	11		11	11	11		11	11
1/4	2,134.40	1/4	1,776.14	1/4	1,417.89	1/4	1,059.72	1/4	701.93	1/4	343.68	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,126.94	1/2	1,768.68	1/2	1,410.42	1/2	1,052.28	1/2	694.46	1/2	336.22	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,119.47	3/4	1,761.22	3/4	1,402.96	3/4	1,044.83	3/4	687.00	3/4	328.76	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/10/2012 CL
RECALCULATED: 06/28/2022 CL
REPRINTED: 06/28/2022 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2022

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