



BARGE "HTCO 3091"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 237'-09"

December 2, 2022

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

<http://www.pmacorp.net>



BARGE "HTCO 3091"

1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0		0	4,685.35	0	4,328.70	0	3,970.81	0	3,612.88	0	3,254.95	0	2,897.00
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,677.96	1/4	4,321.26	1/4	3,963.35	1/4	3,605.42	1/4	3,247.49	1/4	2,889.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,670.56	1/2	4,313.81	1/2	3,955.90	1/2	3,597.97	1/2	3,240.03	1/2	2,882.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,006.54	3/4	4,663.17	3/4	4,306.36	3/4	3,948.44	3/4	3,590.51	3/4	3,232.58
1		1		1		1		1	5,001.81	1	4,655.77	1	4,298.91	1	3,940.98	1	3,583.05	1	3,225.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,996.00	1/4	4,648.36	1/4	4,291.46	1/4	3,933.53	1/4	3,575.60	1/4	3,217.66
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,990.20	1/2	4,640.94	1/2	4,284.00	1/2	3,926.07	1/2	3,568.14	1/2	3,210.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,984.40	3/4	4,633.53	3/4	4,276.54	3/4	3,918.61	3/4	3,560.68	3/4	3,202.75
2		2		2		2		2	4,978.60	2	4,626.11	2	4,269.09	2	3,911.16	2	3,553.22	2	3,195.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,971.80	1/4	4,618.68	1/4	4,261.63	1/4	3,903.70	1/4	3,545.77	1/4	3,187.84
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,965.00	1/2	4,611.24	1/2	4,254.17	1/2	3,896.24	1/2	3,538.31	1/2	3,180.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,958.20	3/4	4,603.81	3/4	4,246.72	3/4	3,888.79	3/4	3,530.85	3/4	3,172.92
3		3		3		3		3	4,951.40	3	4,595.37	3	4,239.26	3	3,881.33	3	3,523.40	3	3,165.47
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,944.06	1/4	4,588.94	1/4	4,231.80	1/4	3,873.87	1/4	3,515.94	1/4	3,158.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,936.73	1/2	4,581.50	1/2	4,224.35	1/2	3,866.41	1/2	3,508.48	1/2	3,150.55
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,929.40	3/4	4,574.07	3/4	4,216.89	3/4	3,858.96	3/4	3,501.03	3/4	3,143.10
4		4		4		4		4	4,922.06	4	4,566.63	4	4,209.43	4	3,851.50	4	3,493.57	4	3,135.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,914.66	1/4	4,559.19	1/4	4,201.98	1/4	3,844.04	1/4	3,486.11	1/4	3,128.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,907.26	1/2	4,551.76	1/2	4,194.52	1/2	3,836.59	1/2	3,478.66	1/2	3,120.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,899.87	3/4	4,544.32	3/4	4,187.06	3/4	3,829.13	3/4	3,471.20	3/4	3,113.27
5		5		5		5		5	4,892.47	5	4,536.89	5	4,179.60	5	3,821.67	5	3,463.74	5	3,105.81
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,885.07	1/4	4,529.45	1/4	4,172.15	1/4	3,814.22	1/4	3,456.29	1/4	3,098.35
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,877.67	1/2	4,522.02	1/2	4,164.69	1/2	3,806.76	1/2	3,448.83	1/2	3,090.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,870.27	3/4	4,514.58	3/4	4,157.23	3/4	3,799.30	3/4	3,441.37	3/4	3,083.44
6		6		6		6		6	4,862.87	6	4,507.15	6	4,149.78	6	3,791.85	6	3,433.91	6	3,075.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,855.47	1/4	4,499.71	1/4	4,142.32	1/4	3,784.39	1/4	3,426.46	1/4	3,068.53
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,848.07	1/2	4,492.28	1/2	4,134.86	1/2	3,776.93	1/2	3,419.00	1/2	3,061.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,840.67	3/4	4,484.84	3/4	4,127.41	3/4	3,769.47	3/4	3,411.54	3/4	3,053.61
7		7		7		7		7	4,833.27	7	4,477.41	7	4,119.95	7	3,762.02	7	3,404.09	7	3,046.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,825.87	1/4	4,469.97	1/4	4,112.49	1/4	3,754.56	1/4	3,396.63	1/4	3,038.70
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,818.48	1/2	4,462.54	1/2	4,105.04	1/2	3,747.10	1/2	3,389.17	1/2	3,031.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,811.08	3/4	4,455.10	3/4	4,097.58	3/4	3,739.65	3/4	3,381.72	3/4	3,023.78
8		8		8		8		8	4,803.68	8	4,447.67	8	4,090.12	8	3,732.19	8	3,374.26	8	3,016.33
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,796.28	1/4	4,440.23	1/4	4,082.66	1/4	3,724.73	1/4	3,366.80	1/4	3,008.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,788.89	1/2	4,432.80	1/2	4,075.21	1/2	3,717.28	1/2	3,359.35	1/2	3,001.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,781.49	3/4	4,425.36	3/4	4,067.75	3/4	3,709.82	3/4	3,351.89	3/4	2,993.96
9		9		9		9		9	4,774.10	9	4,417.93	9	4,060.29	9	3,702.36	9	3,344.43	9	2,986.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,766.70	1/4	4,410.49	1/4	4,052.84	1/4	3,694.91	1/4	3,336.97	1/4	2,979.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,759.31	1/2	4,403.06	1/2	4,045.38	1/2	3,687.45	1/2	3,329.52	1/2	2,971.59
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,751.91	3/4	4,395.62	3/4	4,037.92	3/4	3,679.99	3/4	3,322.06	3/4	2,964.13
10		10		10		10		10	4,744.52	10	4,388.19	10	4,030.47	10	3,672.54	10	3,314.60	10	2,956.67
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,737.12	1/4	4,380.75	1/4	4,023.01	1/4	3,665.08	1/4	3,307.15	1/4	2,949.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,729.73	1/2	4,373.31	1/2	4,015.55	1/2	3,657.62	1/2	3,299.69	1/2	2,941.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,722.33	3/4	4,365.88	3/4	4,008.10	3/4	3,650.16	3/4	3,292.23	3/4	2,934.30
11		11		11		11		11	4,714.94	11	4,358.44	11	4,000.64	11	3,642.71	11	3,284.78	11	2,926.85
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,707.54	1/4	4,351.01	1/4	3,993.18	1/4	3,635.25	1/4	3,277.32	1/4	2,919.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,700.14	1/2	4,343.57	1/2	3,985.72	1/2	3,627.79	1/2	3,269.86	1/2	2,911.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,692.75	3/4	4,336.14	3/4	3,978.27	3/4	3,620.34	3/4	3,262.41	3/4	2,904.46

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH HERMETIC DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 46'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588
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BARGE "HTCO 3091"

1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,538.87	0	2,180.75	0	1,822.63	0	1,464.51	0	1,106.44	0	750.47	0	397.36	0	83.36	0		0	
1/4	2,531.41	1/4	2,173.29	1/4	1,815.17	1/4	1,457.04	1/4	1,099.01	1/4	743.01	1/4	390.39	1/4	77.33	1/4		1/4	
1/2	2,523.95	1/2	2,165.83	1/2	1,807.71	1/2	1,449.58	1/2	1,091.58	1/2	735.55	1/2	383.42	1/2	71.30	1/2		1/2	
3/4	2,516.49	3/4	2,158.37	3/4	1,800.25	3/4	1,442.12	3/4	1,084.15	3/4	728.09	3/4	376.45	3/4	65.27	3/4		3/4	
1	2,509.03	1	2,150.91	1	1,792.78	1	1,434.66	1	1,076.72	1	720.63	1	369.48	1	59.25	1		1	
1/4	2,501.57	1/4	2,143.45	1/4	1,785.32	1/4	1,427.20	1/4	1,069.29	1/4	713.17	1/4	362.58	1/4	53.77	1/4		1/4	
1/2	2,494.11	1/2	2,135.99	1/2	1,777.86	1/2	1,419.74	1/2	1,061.87	1/2	705.71	1/2	355.69	1/2	48.29	1/2		1/2	
3/4	2,486.65	3/4	2,128.53	3/4	1,770.40	3/4	1,412.28	3/4	1,054.44	3/4	698.25	3/4	348.79	3/4	42.81	3/4		3/4	
2	2,479.19	2	2,121.06	2	1,762.94	2	1,404.82	2	1,047.02	2	690.79	2	341.89	2	37.33	2		2	
1/4	2,471.73	1/4	2,113.60	1/4	1,755.48	1/4	1,397.36	1/4	1,039.60	1/4	683.33	1/4	335.07	1/4	33.33	1/4		1/4	
1/2	2,464.27	1/2	2,106.14	1/2	1,748.02	1/2	1,389.90	1/2	1,032.18	1/2	675.87	1/2	328.25	1/2	29.33	1/2		1/2	
3/4	2,456.80	3/4	2,098.68	3/4	1,740.56	3/4	1,382.44	3/4	1,024.77	3/4	668.41	3/4	321.43	3/4	25.33	3/4		3/4	
3	2,449.34	3	2,091.22	3	1,733.10	3	1,374.97	3	1,017.35	3	660.94	3	314.60	3	21.33	3		3	
1/4	2,441.88	1/4	2,083.76	1/4	1,725.64	1/4	1,367.51	1/4	1,009.94	1/4	653.48	1/4	307.86	1/4	18.43	1/4		1/4	
1/2	2,434.42	1/2	2,076.30	1/2	1,718.18	1/2	1,360.05	1/2	1,002.52	1/2	646.02	1/2	301.12	1/2		1/2		1/2	
3/4	2,426.96	3/4	2,068.84	3/4	1,710.71	3/4	1,352.59	3/4	995.11	3/4	638.56	3/4	294.37	3/4		3/4		3/4	
4	2,419.50	4	2,061.38	4	1,703.25	4	1,345.13	4	987.70	4	631.10	4	287.63	4		4		4	
1/4	2,412.04	1/4	2,053.92	1/4	1,695.79	1/4	1,337.67	1/4	980.29	1/4	623.64	1/4	280.97	1/4		1/4		1/4	
1/2	2,404.58	1/2	2,046.46	1/2	1,688.33	1/2	1,330.21	1/2	972.88	1/2	616.18	1/2	274.31	1/2		1/2		1/2	
3/4	2,397.12	3/4	2,038.99	3/4	1,680.87	3/4	1,322.75	3/4	965.47	3/4	608.72	3/4	267.65	3/4		3/4		3/4	
5	2,389.66	5	2,031.53	5	1,673.41	5	1,315.29	5	958.06	5	601.26	5	260.98	5		5		5	
1/4	2,382.20	1/4	2,024.07	1/4	1,665.95	1/4	1,307.83	1/4	950.65	1/4	593.80	1/4	254.40	1/4		1/4		1/4	
1/2	2,374.73	1/2	2,016.61	1/2	1,658.49	1/2	1,300.37	1/2	943.24	1/2	586.34	1/2	247.82	1/2		1/2		1/2	
3/4	2,367.27	3/4	2,009.15	3/4	1,651.03	3/4	1,292.90	3/4	935.83	3/4	578.88	3/4	241.24	3/4		3/4		3/4	
6	2,359.81	6	2,001.69	6	1,643.57	6	1,285.44	6	928.42	6	571.42	6	234.66	6		6		6	
1/4	2,352.35	1/4	1,994.23	1/4	1,636.11	1/4	1,277.98	1/4	921.01	1/4	563.98	1/4	228.16	1/4		1/4		1/4	
1/2	2,344.89	1/2	1,986.77	1/2	1,628.64	1/2	1,270.52	1/2	913.60	1/2	556.54	1/2	221.66	1/2		1/2		1/2	
3/4	2,337.43	3/4	1,979.31	3/4	1,621.18	3/4	1,263.06	3/4	906.19	3/4	549.10	3/4	215.16	3/4		3/4		3/4	
7	2,329.97	7	1,971.85	7	1,613.72	7	1,255.60	7	898.78	7	541.66	7	208.67	7		7		7	
1/4	2,322.51	1/4	1,964.39	1/4	1,606.26	1/4	1,248.14	1/4	891.37	1/4	534.29	1/4	202.25	1/4		1/4		1/4	
1/2	2,315.05	1/2	1,956.92	1/2	1,598.80	1/2	1,240.68	1/2	883.96	1/2	526.91	1/2	195.83	1/2		1/2		1/2	
3/4	2,307.59	3/4	1,949.46	3/4	1,591.34	3/4	1,233.22	3/4	876.55	3/4	519.53	3/4	189.41	3/4		3/4		3/4	
8	2,300.13	8	1,942.00	8	1,583.88	8	1,225.76	8	869.14	8	512.16	8	183.00	8		8		8	
1/4	2,292.67	1/4	1,934.54	1/4	1,576.42	1/4	1,218.30	1/4	861.73	1/4	504.86	1/4	176.65	1/4		1/4		1/4	
1/2	2,285.20	1/2	1,927.08	1/2	1,568.96	1/2	1,210.83	1/2	854.32	1/2	497.56	1/2	170.31	1/2		1/2		1/2	
3/4	2,277.74	3/4	1,919.62	3/4	1,561.50	3/4	1,203.37	3/4	846.91	3/4	490.27	3/4	163.97	3/4		3/4		3/4	
9	2,270.28	9	1,912.16	9	1,554.04	9	1,195.91	9	839.50	9	482.97	9	157.62	9		9		9	
1/4	2,262.82	1/4	1,904.70	1/4	1,546.58	1/4	1,188.45	1/4	832.09	1/4	475.76	1/4	151.35	1/4		1/4		1/4	
1/2	2,255.36	1/2	1,897.24	1/2	1,539.11	1/2	1,180.99	1/2	824.68	1/2	468.54	1/2	145.08	1/2		1/2		1/2	
3/4	2,247.90	3/4	1,889.78	3/4	1,531.65	3/4	1,173.53	3/4	817.27	3/4	461.33	3/4	138.82	3/4		3/4		3/4	
10	2,240.44	10	1,882.32	10	1,524.19	10	1,166.07	10	809.86	10	454.11	10	132.55	10		10		10	
1/4	2,232.98	1/4	1,874.85	1/4	1,516.73	1/4	1,158.61	1/4	802.45	1/4	446.98	1/4	126.36	1/4		1/4		1/4	
1/2	2,225.52	1/2	1,867.39	1/2	1,509.27	1/2	1,151.15	1/2	795.04	1/2	439.84	1/2	120.17	1/2		1/2		1/2	
3/4	2,218.06	3/4	1,859.93	3/4	1,501.81	3/4	1,143.69	3/4	787.63	3/4	432.71	3/4	113.98	3/4		3/4		3/4	
11	2,210.60	11	1,852.47	11	1,494.35	11	1,136.23	11	780.22	11	425.57	11	107.79	11		11		11	
1/4	2,203.13	1/4	1,845.01	1/4	1,486.89	1/4	1,128.78	1/4	772.78	1/4	418.52	1/4	101.68	1/4		1/4		1/4	
1/2	2,195.67	1/2	1,837.55	1/2	1,479.43	1/2	1,121.33	1/2	765.34	1/2	411.47	1/2	95.57	1/2		1/2		1/2	
3/4	2,188.21	3/4	1,830.09	3/4	1,471.97	3/4	1,113.89	3/4	757.91	3/4	404.42	3/4	89.46	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/10/2012 CL - SW
RECALCULATED: 12/02/2022 CL
REPRINTED: 12/02/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2022

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



BARGE "HTCO 3091"

1 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-04"

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	4,710.36	0	4,353.75	0	3,995.84	0	3,637.83	0	3,279.82	0	2,921.80		
1/4		1/4		1/4		1/4		1/4	4,702.97	1/4	4,346.31	1/4	3,988.38	1/4	3,630.37	1/4	3,272.36	1/4	2,914.35		
1/2		1/2		1/2		1/2		1/2	4,695.57	1/2	4,338.88	1/2	3,980.92	1/2	3,622.91	1/2	3,264.90	1/2	2,906.89		
3/4		3/4		3/4		3/4		3/4	4,688.17	3/4	4,331.44	3/4	3,973.47	3/4	3,615.45	3/4	3,257.44	3/4	2,899.43		
1		1		1		1		1	4,680.78	1	4,323.99	1	3,966.01	1	3,607.99	1	3,249.98	1	2,891.97		
1/4		1/4		1/4		1/4		1/4	4,673.38	1/4	4,316.54	1/4	3,958.55	1/4	3,600.54	1/4	3,242.52	1/4	2,884.51		
1/2		1/2		1/2		1/2	5,009.42	1/2	4,665.98	1/2	4,309.09	1/2	3,951.09	1/2	3,593.08	1/2	3,235.06	1/2	2,877.04		
3/4		3/4		3/4		3/4	5,004.68	3/4	4,658.58	3/4	4,301.64	3/4	3,943.63	3/4	3,585.62	3/4	3,227.61	3/4	2,869.58		
2		2		2		2		2	4,998.88	2	4,651.17	2	4,294.18	2	3,936.17	2	3,578.16	2	3,220.15	2	2,862.12
1/4		1/4		1/4		1/4	4,993.08	1/4	4,643.75	1/4	4,286.73	1/4	3,928.71	1/4	3,570.70	1/4	3,212.69	1/4	2,854.65		
1/2		1/2		1/2		1/2	4,987.28	1/2	4,636.33	1/2	4,279.27	1/2	3,921.25	1/2	3,563.24	1/2	3,205.23	1/2	2,847.19		
3/4		3/4		3/4		3/4	4,981.48	3/4	4,628.92	3/4	4,271.81	3/4	3,913.80	3/4	3,555.78	3/4	3,197.77	3/4	2,839.73		
3		3		3		3		3	4,974.68	3	4,621.48	3	4,264.35	3	3,906.34	3	3,548.32	3	3,190.31	3	2,832.27
1/4		1/4		1/4		1/4	4,967.87	1/4	4,614.04	1/4	4,256.89	1/4	3,898.88	1/4	3,540.87	1/4	3,182.85	1/4	2,824.80		
1/2		1/2		1/2		1/2	4,961.07	1/2	4,606.60	1/2	4,249.43	1/2	3,891.42	1/2	3,533.41	1/2	3,175.39	1/2	2,817.34		
3/4		3/4		3/4		3/4	4,954.27	3/4	4,599.17	3/4	4,241.97	3/4	3,883.96	3/4	3,525.95	3/4	3,167.94	3/4	2,809.88		
4		4		4		4		4	4,946.94	4	4,591.73	4	4,234.52	4	3,876.50	4	3,518.49	4	3,160.48	4	2,802.42
1/4		1/4		1/4		1/4	4,939.61	1/4	4,584.29	1/4	4,227.06	1/4	3,869.04	1/4	3,511.03	1/4	3,153.02	1/4	2,794.95		
1/2		1/2		1/2		1/2	4,932.27	1/2	4,576.86	1/2	4,219.60	1/2	3,861.59	1/2	3,503.57	1/2	3,145.56	1/2	2,787.49		
3/4		3/4		3/4		3/4	4,924.94	3/4	4,569.42	3/4	4,212.14	3/4	3,854.13	3/4	3,496.11	3/4	3,138.10	3/4	2,780.03		
5		5		5		5		5	4,917.54	5	4,561.98	5	4,204.68	5	3,488.66	5	3,130.64	5	2,772.57		
1/4		1/4		1/4		1/4	4,910.14	1/4	4,554.55	1/4	4,197.22	1/4	3,839.21	1/4	3,481.20	1/4	3,123.18	1/4	2,765.10		
1/2		1/2		1/2		1/2	4,902.74	1/2	4,547.11	1/2	4,189.76	1/2	3,831.75	1/2	3,473.74	1/2	3,115.73	1/2	2,757.64		
3/4		3/4		3/4		3/4	4,895.33	3/4	4,539.67	3/4	4,182.31	3/4	3,824.29	3/4	3,466.28	3/4	3,108.27	3/4	2,750.18		
6		6		6		6		6	4,887.93	6	4,532.24	6	4,174.85	6	3,458.82	6	3,100.81	6	2,742.71		
1/4		1/4		1/4		1/4	4,880.53	1/4	4,524.80	1/4	4,167.39	1/4	3,809.38	1/4	3,451.36	1/4	3,093.35	1/4	2,735.25		
1/2		1/2		1/2		1/2	4,873.13	1/2	4,517.36	1/2	4,159.93	1/2	3,801.92	1/2	3,443.90	1/2	3,085.89	1/2	2,727.79		
3/4		3/4		3/4		3/4	4,865.73	3/4	4,509.93	3/4	4,152.47	3/4	3,794.46	3/4	3,436.45	3/4	3,078.43	3/4	2,720.33		
7		7		7		7		7	4,858.33	7	4,502.49	7	4,145.01	7	3,787.00	7	3,428.99	7	3,070.97	7	2,712.86
1/4		1/4		1/4		1/4	4,850.93	1/4	4,495.05	1/4	4,137.55	1/4	3,779.54	1/4	3,421.53	1/4	3,063.52	1/4	2,705.40		
1/2		1/2		1/2		1/2	4,843.53	1/2	4,487.61	1/2	4,130.10	1/2	3,772.08	1/2	3,414.07	1/2	3,056.06	1/2	2,697.94		
3/4		3/4		3/4		3/4	4,836.12	3/4	4,480.18	3/4	4,122.64	3/4	3,764.62	3/4	3,406.61	3/4	3,048.60	3/4	2,690.48		
8		8		8		8		8	4,828.73	8	4,472.74	8	4,115.18	8	3,757.17	8	3,399.15	8	3,041.14	8	2,683.01
1/4		1/4		1/4		1/4	4,821.33	1/4	4,465.30	1/4	4,107.72	1/4	3,749.71	1/4	3,391.69	1/4	3,033.68	1/4	2,675.55		
1/2		1/2		1/2		1/2	4,813.93	1/2	4,457.87	1/2	4,100.26	1/2	3,742.25	1/2	3,384.24	1/2	3,026.22	1/2	2,668.09		
3/4		3/4		3/4		3/4	4,806.53	3/4	4,450.43	3/4	4,092.80	3/4	3,734.79	3/4	3,376.78	3/4	3,018.76	3/4	2,660.62		
9		9		9		9		9	4,799.13	9	4,442.99	9	4,085.34	9	3,727.33	9	3,369.32	9	3,011.31	9	2,653.16
1/4		1/4		1/4		1/4	4,791.73	1/4	4,435.56	1/4	4,077.89	1/4	3,719.87	1/4	3,361.86	1/4	3,003.85	1/4	2,645.70		
1/2		1/2		1/2		1/2	4,784.34	1/2	4,428.12	1/2	4,070.43	1/2	3,712.41	1/2	3,354.40	1/2	2,996.39	1/2	2,638.24		
3/4		3/4		3/4		3/4	4,776.94	3/4	4,420.68	3/4	4,062.97	3/4	3,704.96	3/4	3,346.94	3/4	2,988.93	3/4	2,630.77		
10		10		10		10		10	4,769.54	10	4,413.25	10	4,055.51	10	3,697.50	10	3,339.48	10	2,981.47	10	2,623.31
1/4		1/4		1/4		1/4	4,762.14	1/4	4,405.81	1/4	4,048.05	1/4	3,690.04	1/4	3,332.03	1/4	2,974.01	1/4	2,615.85		
1/2		1/2		1/2		1/2	4,754.75	1/2	4,398.37	1/2	4,040.59	1/2	3,682.58	1/2	3,324.57	1/2	2,966.55	1/2	2,608.39		
3/4		3/4		3/4		3/4	4,747.35	3/4	4,390.93	3/4	4,033.13	3/4	3,675.12	3/4	3,317.11	3/4	2,959.10	3/4	2,600.92		
11		11		11		11		11	4,739.95	11	4,383.50	11	4,025.68	11	3,667.66	11	3,309.65	11	2,951.64	11	2,593.46
1/4		1/4		1/4		1/4	4,732.56	1/4	4,376.06	1/4	4,018.22	1/4	3,660.20	1/4	3,302.19	1/4	2,944.18	1/4	2,586.00		
1/2		1/2		1/2		1/2	4,725.16	1/2	4,368.62	1/2	4,010.76	1/2	3,652.75	1/2	3,294.73	1/2	2,936.72	1/2	2,578.53		
3/4		3/4		3/4		3/4	4,717.76	3/4	4,361.19	3/4	4,003.30	3/4	3,645.29	3/4	3,287.27	3/4	2,929.26	3/4	2,571.07		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH HERMETIC DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 46'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HTCO 3091"

1 STBD
ULLAGE TABLE
HERMETIC
GAUGE HEIGHT 17'-04"

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	2,563.61	0	2,205.40	0	1,847.19	0	1,488.98	0	1,130.77	0	773.04	0	418.70	0	101.74	0		0	
1/4	2,556.15	1/4	2,197.94	1/4	1,839.73	1/4	1,481.52	1/4	1,123.31	1/4	765.58	1/4	411.64	1/4	95.62	1/4		1/4	
1/2	2,548.68	1/2	2,190.47	1/2	1,832.26	1/2	1,474.06	1/2	1,115.85	1/2	758.13	1/2	404.59	1/2	89.51	1/2		1/2	
3/4	2,541.22	3/4	2,183.01	3/4	1,824.80	3/4	1,466.59	3/4	1,108.38	3/4	750.67	3/4	397.53	3/4	83.40	3/4		3/4	
1	2,533.76	1	2,175.55	1	1,817.34	1	1,459.13	1	1,100.92	1	743.21	1	390.56	1	77.37	1		1	
1/4	2,526.30	1/4	2,168.09	1/4	1,809.88	1/4	1,451.67	1/4	1,093.46	1/4	735.75	1/4	383.59	1/4	71.34	1/4		1/4	
1/2	2,518.83	1/2	2,160.62	1/2	1,802.41	1/2	1,444.20	1/2	1,085.99	1/2	728.29	1/2	376.61	1/2	65.31	1/2		1/2	
3/4	2,511.37	3/4	2,153.16	3/4	1,794.95	3/4	1,436.74	3/4	1,078.53	3/4	720.82	3/4	369.64	3/4	59.28	3/4		3/4	
2	2,503.91	2	2,145.70	2	1,787.49	2	1,429.28	2	1,071.07	2	713.36	2	362.74	2	53.80	2		2	
1/4	2,496.45	1/4	2,138.24	1/4	1,780.03	1/4	1,421.82	1/4	1,063.61	1/4	705.90	1/4	355.84	1/4	48.32	1/4		1/4	
1/2	2,488.98	1/2	2,130.77	1/2	1,772.56	1/2	1,414.35	1/2	1,056.15	1/2	698.44	1/2	348.95	1/2	42.83	1/2		1/2	
3/4	2,481.52	3/4	2,123.31	3/4	1,765.10	3/4	1,406.89	3/4	1,048.69	3/4	690.97	3/4	342.05	3/4	37.35	3/4		3/4	
3	2,474.06	3	2,115.85	3	1,757.64	3	1,399.43	3	1,041.24	3	683.51	3	335.22	3	33.35	3		3	
1/4	2,466.59	1/4	2,108.38	1/4	1,750.18	1/4	1,391.97	1/4	1,033.78	1/4	676.05	1/4	328.40	1/4	29.35	1/4		1/4	
1/2	2,459.13	1/2	2,100.92	1/2	1,742.71	1/2	1,384.50	1/2	1,026.33	1/2	668.59	1/2	321.57	1/2	25.35	1/2		1/2	
3/4	2,451.67	3/4	2,093.46	3/4	1,735.25	3/4	1,377.04	3/4	1,018.87	3/4	661.12	3/4	314.75	3/4	21.35	3/4		3/4	
4	2,444.21	4	2,086.00	4	1,727.79	4	1,369.58	4	1,011.42	4	653.66	4	308.00	4	18.43	4		4	
1/4	2,436.74	1/4	2,078.53	1/4	1,720.32	1/4	1,362.11	1/4	1,003.97	1/4	646.20	1/4	301.26	1/4		1/4		1/4	
1/2	2,429.28	1/2	2,071.07	1/2	1,712.86	1/2	1,354.65	1/2	996.51	1/2	638.74	1/2	294.51	1/2		1/2		1/2	
3/4	2,421.82	3/4	2,063.61	3/4	1,705.40	3/4	1,347.19	3/4	989.06	3/4	631.27	3/4	287.77	3/4		3/4		3/4	
5	2,414.36	5	2,056.15	5	1,697.94	5	1,339.73	5	981.61	5	623.81	5	281.10	5		5		5	
1/4	2,406.89	1/4	2,048.68	1/4	1,690.47	1/4	1,332.26	1/4	974.16	1/4	616.35	1/4	274.44	1/4		1/4		1/4	
1/2	2,399.43	1/2	2,041.22	1/2	1,683.01	1/2	1,324.80	1/2	966.71	1/2	608.89	1/2	267.77	1/2		1/2		1/2	
3/4	2,391.97	3/4	2,033.76	3/4	1,675.55	3/4	1,317.34	3/4	959.27	3/4	601.42	3/4	261.11	3/4		3/4		3/4	
6	2,384.50	6	2,026.30	6	1,668.09	6	1,309.88	6	951.82	6	593.96	6	254.52	6		6		6	
1/4	2,377.04	1/4	2,018.83	1/4	1,660.62	1/4	1,302.41	1/4	944.37	1/4	586.50	1/4	247.94	1/4		1/4		1/4	
1/2	2,369.58	1/2	2,011.37	1/2	1,653.16	1/2	1,294.95	1/2	936.92	1/2	579.04	1/2	241.36	1/2		1/2		1/2	
3/4	2,362.12	3/4	2,003.91	3/4	1,645.70	3/4	1,287.49	3/4	929.47	3/4	571.57	3/4	234.77	3/4		3/4		3/4	
7	2,354.65	7	1,996.44	7	1,638.23	7	1,280.03	7	922.02	7	564.14	7	228.27	7		7		7	
1/4	2,347.19	1/4	1,988.98	1/4	1,630.77	1/4	1,272.56	1/4	914.57	1/4	556.70	1/4	221.77	1/4		1/4		1/4	
1/2	2,339.73	1/2	1,981.52	1/2	1,623.31	1/2	1,265.10	1/2	907.12	1/2	549.26	1/2	215.27	1/2		1/2		1/2	
3/4	2,332.27	3/4	1,974.06	3/4	1,615.85	3/4	1,257.64	3/4	899.68	3/4	541.83	3/4	208.77	3/4		3/4		3/4	
8	2,324.80	8	1,966.59	8	1,608.38	8	1,250.17	8	892.23	8	534.46	8	202.35	8		8		8	
1/4	2,317.34	1/4	1,959.13	1/4	1,600.92	1/4	1,242.71	1/4	884.78	1/4	527.09	1/4	195.93	1/4		1/4		1/4	
1/2	2,309.88	1/2	1,951.67	1/2	1,593.46	1/2	1,235.25	1/2	877.33	1/2	519.72	1/2	189.51	1/2		1/2		1/2	
3/4	2,302.42	3/4	1,944.21	3/4	1,586.00	3/4	1,227.79	3/4	869.88	3/4	512.35	3/4	183.09	3/4		3/4		3/4	
9	2,294.95	9	1,936.74	9	1,578.53	9	1,220.32	9	862.43	9	505.05	9	176.74	9		9		9	
1/4	2,287.49	1/4	1,929.28	1/4	1,571.07	1/4	1,212.86	1/4	854.98	1/4	497.76	1/4	170.40	1/4		1/4		1/4	
1/2	2,280.03	1/2	1,921.82	1/2	1,563.61	1/2	1,205.40	1/2	847.53	1/2	490.46	1/2	164.05	1/2		1/2		1/2	
3/4	2,272.56	3/4	1,914.35	3/4	1,556.15	3/4	1,197.94	3/4	840.09	3/4	483.17	3/4	157.70	3/4		3/4		3/4	
10	2,265.10	10	1,906.89	10	1,548.68	10	1,190.47	10	832.64	10	475.95	10	151.43	10		10		10	
1/4	2,257.64	1/4	1,899.43	1/4	1,541.22	1/4	1,183.01	1/4	825.19	1/4	468.73	1/4	145.16	1/4		1/4		1/4	
1/2	2,250.18	1/2	1,891.97	1/2	1,533.76	1/2	1,175.55	1/2	817.74	1/2	461.52	1/2	138.89	1/2		1/2		1/2	
3/4	2,242.71	3/4	1,884.50	3/4	1,526.29	3/4	1,168.08	3/4	810.29	3/4	454.30	3/4	132.62	3/4		3/4		3/4	
11	2,235.25	11	1,877.04	11	1,518.83	11	1,160.62	11	802.84	11	447.16	11	126.42	11		11		11	
1/4	2,227.79	1/4	1,869.58	1/4	1,511.37	1/4	1,153.16	1/4	795.39	1/4	440.03	1/4	120.23	1/4		1/4		1/4	
1/2	2,220.33	1/2	1,862.12	1/2	1,503.91	1/2	1,145.70	1/2	787.94	1/2	432.89	1/2	114.04	1/2		1/2		1/2	
3/4	2,212.86	3/4	1,854.65	3/4	1,496.44	3/4	1,138.23	3/4	780.49	3/4	425.75	3/4	107.85	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/10/2012 CL - SW
RECALCULATED: 12/02/2022 CL
REPRINTED: 12/02/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2022

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



BARGE "HTCO 3091"

2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,763.94	0	4,406.37	0	4,047.53	0	3,688.64	0	3,329.76	0	2,970.86
1/4		1/4		1/4		1/4		1/4	4,756.52	1/4	4,398.91	1/4	4,040.05	1/4	3,681.17	1/4	3,322.28	1/4	2,963.38
1/2		1/2		1/2		1/2		1/2	4,749.11	1/2	4,391.44	1/2	4,032.58	1/2	3,673.69	1/2	3,314.80	1/2	2,955.90
3/4		3/4		3/4		3/4		3/4	4,741.69	3/4	4,383.97	3/4	4,025.10	3/4	3,666.21	3/4	3,307.33	3/4	2,948.42
1		1		1		1	5,078.58	1	4,734.28	1	4,376.50	1	4,017.62	1	3,658.74	1	3,299.85	1	2,940.94
1/4		1/4		1/4		1/4	5,073.83	1/4	4,726.86	1/4	4,369.03	1/4	4,010.15	1/4	3,651.26	1/4	3,292.37	1/4	2,933.46
1/2		1/2		1/2		1/2	5,068.02	1/2	4,719.42	1/2	4,361.55	1/2	4,002.67	1/2	3,643.78	1/2	3,284.90	1/2	2,925.98
3/4		3/4		3/4		3/4	5,062.20	3/4	4,711.99	3/4	4,354.08	3/4	3,995.19	3/4	3,636.31	3/4	3,277.42	3/4	2,918.50
2		2		2		2	5,056.38	2	4,704.55	2	4,346.60	2	3,987.71	2	3,628.83	2	3,269.94	2	2,911.02
1/4		1/4		1/4		1/4	5,050.57	1/4	4,697.12	1/4	4,339.12	1/4	3,980.24	1/4	3,621.35	1/4	3,262.47	1/4	2,903.54
1/2		1/2		1/2		1/2	5,043.75	1/2	4,689.66	1/2	4,331.65	1/2	3,972.76	1/2	3,613.87	1/2	3,254.99	1/2	2,896.06
3/4		3/4		3/4		3/4	5,036.93	3/4	4,682.21	3/4	4,324.17	3/4	3,965.28	3/4	3,606.40	3/4	3,247.51	3/4	2,888.58
3		3		3		3	5,030.11	3	4,674.75	3	4,316.69	3	3,957.81	3	3,598.92	3	3,240.03	3	2,881.09
1/4		1/4		1/4		1/4	5,023.29	1/4	4,667.30	1/4	4,309.22	1/4	3,950.33	1/4	3,591.44	1/4	3,232.56	1/4	2,873.61
1/2		1/2		1/2		1/2	5,015.94	1/2	4,659.84	1/2	4,301.74	1/2	3,942.85	1/2	3,583.97	1/2	3,225.08	1/2	2,866.13
3/4		3/4		3/4		3/4	5,008.58	3/4	4,652.39	3/4	4,294.26	3/4	3,935.38	3/4	3,576.49	3/4	3,217.60	3/4	2,858.65
4		4		4		4	5,001.23	4	4,644.93	4	4,286.79	4	3,927.90	4	3,569.01	4	3,210.13	4	2,851.17
1/4		1/4		1/4		1/4	4,993.87	1/4	4,637.48	1/4	4,279.31	1/4	3,920.42	1/4	3,561.54	1/4	3,202.65	1/4	2,843.69
1/2		1/2		1/2		1/2	4,986.46	1/2	4,630.02	1/2	4,271.83	1/2	3,912.95	1/2	3,554.06	1/2	3,195.17	1/2	2,836.21
3/4		3/4		3/4		3/4	4,979.04	3/4	4,622.57	3/4	4,264.36	3/4	3,905.47	3/4	3,546.58	3/4	3,187.70	3/4	2,828.73
5		5		5		5	4,971.62	5	4,615.11	5	4,256.88	5	3,897.99	5	3,539.11	5	3,180.22	5	2,821.25
1/4		1/4		1/4		1/4	4,964.20	1/4	4,607.66	1/4	4,249.40	1/4	3,890.52	1/4	3,531.63	1/4	3,172.74	1/4	2,813.77
1/2		1/2		1/2		1/2	4,956.78	1/2	4,600.20	1/2	4,241.93	1/2	3,883.04	1/2	3,524.15	1/2	3,165.27	1/2	2,806.29
3/4		3/4		3/4		3/4	4,949.36	3/4	4,592.75	3/4	4,234.45	3/4	3,875.56	3/4	3,516.68	3/4	3,157.79	3/4	2,798.80
6		6		6		6	4,941.94	6	4,585.29	6	4,226.97	6	3,868.09	6	3,509.20	6	3,150.31	6	2,791.32
1/4		1/4		1/4		1/4	4,934.52	1/4	4,577.84	1/4	4,219.50	1/4	3,860.61	1/4	3,501.72	1/4	3,142.84	1/4	2,783.84
1/2		1/2		1/2		1/2	4,927.10	1/2	4,570.38	1/2	4,212.02	1/2	3,853.13	1/2	3,494.25	1/2	3,135.36	1/2	2,776.36
3/4		3/4		3/4		3/4	4,919.68	3/4	4,562.93	3/4	4,204.54	3/4	3,845.66	3/4	3,486.77	3/4	3,127.88	3/4	2,768.88
7		7		7		7	4,912.26	7	4,555.47	7	4,197.07	7	3,838.18	7	3,479.29	7	3,120.41	7	2,761.40
1/4		1/4		1/4		1/4	4,904.84	1/4	4,548.01	1/4	4,189.59	1/4	3,830.70	1/4	3,471.82	1/4	3,112.93	1/4	2,753.92
1/2		1/2		1/2		1/2	4,897.42	1/2	4,540.56	1/2	4,182.11	1/2	3,823.23	1/2	3,464.34	1/2	3,105.45	1/2	2,746.44
3/4		3/4		3/4		3/4	4,890.01	3/4	4,533.10	3/4	4,174.63	3/4	3,815.75	3/4	3,456.86	3/4	3,097.98	3/4	2,738.96
8		8		8		8	4,882.59	8	4,525.65	8	4,167.16	8	3,808.27	8	3,449.39	8	3,090.50	8	2,731.48
1/4		1/4		1/4		1/4	4,875.17	1/4	4,518.19	1/4	4,159.68	1/4	3,800.79	1/4	3,441.91	1/4	3,083.02	1/4	2,724.00
1/2		1/2		1/2		1/2	4,867.76	1/2	4,510.74	1/2	4,152.20	1/2	3,793.32	1/2	3,434.43	1/2	3,075.55	1/2	2,716.51
3/4		3/4		3/4		3/4	4,860.34	3/4	4,503.28	3/4	4,144.73	3/4	3,785.84	3/4	3,426.95	3/4	3,068.07	3/4	2,709.03
9		9		9		9	4,852.93	9	4,495.83	9	4,137.25	9	3,778.36	9	3,419.48	9	3,060.59	9	2,701.55
1/4		1/4		1/4		1/4	4,845.51	1/4	4,488.37	1/4	4,129.77	1/4	3,770.89	1/4	3,412.00	1/4	3,053.11	1/4	2,694.07
1/2		1/2		1/2		1/2	4,838.09	1/2	4,480.92	1/2	4,122.30	1/2	3,763.41	1/2	3,404.52	1/2	3,045.64	1/2	2,686.59
3/4		3/4		3/4		3/4	4,830.68	3/4	4,473.46	3/4	4,114.82	3/4	3,755.93	3/4	3,397.05	3/4	3,038.16	3/4	2,679.11
10		10		10		10	4,823.26	10	4,466.01	10	4,107.34	10	3,748.46	10	3,389.57	10	3,030.68	10	2,671.63
1/4		1/4		1/4		1/4	4,815.85	1/4	4,458.55	1/4	4,099.87	1/4	3,740.98	1/4	3,382.09	1/4	3,023.21	1/4	2,664.15
1/2		1/2		1/2		1/2	4,808.43	1/2	4,451.10	1/2	4,092.39	1/2	3,733.50	1/2	3,374.62	1/2	3,015.73	1/2	2,656.67
3/4		3/4		3/4		3/4	4,801.02	3/4	4,443.64	3/4	4,084.91	3/4	3,726.03	3/4	3,367.14	3/4	3,008.25	3/4	2,649.19
11		11		11		11	4,793.60	11	4,436.19	11	4,077.44	11	3,718.55	11	3,359.66	11	3,000.78	11	2,641.71
1/4		1/4		1/4		1/4	4,786.19	1/4	4,428.73	1/4	4,069.96	1/4	3,711.07	1/4	3,352.19	1/4	2,993.30	1/4	2,634.23
1/2		1/2		1/2		1/2	4,778.77	1/2	4,421.28	1/2	4,062.48	1/2	3,703.60	1/2	3,344.71	1/2	2,985.82	1/2	2,626.74
3/4		3/4		3/4		3/4	4,771.35	3/4	4,413.82	3/4	4,055.01	3/4	3,696.12	3/4	3,337.23	3/4	2,978.34	3/4	2,619.26

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH HERMETIC DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 46'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HTCO 3091"

2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,611.78	0	2,252.70	0	1,893.62	0	1,534.53	0	1,175.87	0	830.57	0	471.64	0	112.57	0		0	
1/4	2,604.30	1/4	2,245.22	1/4	1,886.14	1/4	1,527.05	1/4	1,168.53	1/4	823.24	1/4	464.16	1/4	105.09	1/4		1/4	
1/2	2,596.82	1/2	2,237.74	1/2	1,878.65	1/2	1,519.57	1/2	1,161.33	1/2	815.76	1/2	456.68	1/2	97.61	1/2		1/2	
3/4	2,589.34	3/4	2,230.26	3/4	1,871.17	3/4	1,512.09	3/4	1,154.14	3/4	808.28	3/4	449.20	3/4	90.13	3/4		3/4	
1	2,581.86	1	2,222.78	1	1,863.69	1	1,504.61	1	1,146.94	1	800.80	1	441.72	1	82.65	1		1	
1/4	2,574.38	1/4	2,215.29	1/4	1,856.21	1/4	1,497.13	1/4	1,139.74	1/4	793.31	1/4	434.24	1/4	75.17	1/4		1/4	
1/2	2,566.90	1/2	2,207.81	1/2	1,848.73	1/2	1,489.65	1/2	1,132.55	1/2	785.83	1/2	426.76	1/2	68.15	1/2		1/2	
3/4	2,559.42	3/4	2,200.33	3/4	1,841.25	3/4	1,482.17	3/4	1,125.36	3/4	778.35	3/4	419.28	3/4	61.14	3/4		3/4	
2	2,551.94	2	2,192.85	2	1,833.77	2	1,474.69	2	1,118.16	2	770.87	2	411.80	2	54.13	2		2	
1/4	2,544.45	1/4	2,185.37	1/4	1,826.29	1/4	1,467.20	1/4	1,110.97	1/4	763.39	1/4	404.32	1/4	47.12	1/4		1/4	
1/2	2,536.97	1/2	2,177.89	1/2	1,818.81	1/2	1,459.72	1/2	1,103.79	1/2	755.91	1/2	396.84	1/2	41.50	1/2		1/2	
3/4	2,529.49	3/4	2,170.41	3/4	1,811.33	3/4	1,452.24	3/4	1,096.60	3/4	748.43	3/4	389.36	3/4	35.89	3/4		3/4	
3	2,522.01	3	2,162.93	3	1,803.85	3	1,444.76	3	1,089.42	3	740.95	3	381.88	3	30.28	3		3	
1/4	2,514.53	1/4	2,155.45	1/4	1,796.36	1/4	1,437.28	1/4	1,082.24	1/4	733.47	1/4	374.40	1/4	24.67	1/4		1/4	
1/2	2,507.05	1/2	2,147.97	1/2	1,788.88	1/2	1,429.80	1/2	1,075.05	1/2	725.99	1/2	366.91	1/2	20.94	1/2		1/2	
3/4	2,499.57	3/4	2,140.49	3/4	1,781.40	3/4	1,422.32	3/4	1,067.87	3/4	718.51	3/4	359.43	3/4		3/4		3/4	
4	2,492.09	4	2,133.00	4	1,773.92	4	1,414.84	4	1,060.69	4	711.03	4	351.95	4		4		4	
1/4	2,484.61	1/4	2,125.52	1/4	1,766.44	1/4	1,407.36	1/4	1,053.51	1/4	703.55	1/4	344.47	1/4		1/4		1/4	
1/2	2,477.13	1/2	2,118.04	1/2	1,758.96	1/2	1,399.88	1/2	1,046.34	1/2	696.07	1/2	336.99	1/2		1/2		1/2	
3/4	2,469.65	3/4	2,110.56	3/4	1,751.48	3/4	1,392.40	3/4	1,039.16	3/4	688.58	3/4	329.51	3/4		3/4		3/4	
5	2,462.16	5	2,103.08	5	1,744.00	5	1,384.91	5	1,031.98	5	681.10	5	322.03	5		5		5	
1/4	2,454.68	1/4	2,095.60	1/4	1,736.52	1/4	1,377.43	1/4	1,024.80	1/4	673.62	1/4	314.55	1/4		1/4		1/4	
1/2	2,447.20	1/2	2,088.12	1/2	1,729.04	1/2	1,369.95	1/2	1,017.63	1/2	666.14	1/2	307.07	1/2		1/2		1/2	
3/4	2,439.72	3/4	2,080.64	3/4	1,721.56	3/4	1,362.47	3/4	1,010.45	3/4	658.66	3/4	299.59	3/4		3/4		3/4	
6	2,432.24	6	2,073.16	6	1,714.07	6	1,354.99	6	1,003.27	6	651.18	6	292.11	6		6		6	
1/4	2,424.76	1/4	2,065.68	1/4	1,706.59	1/4	1,347.51	1/4	996.10	1/4	643.70	1/4	284.63	1/4		1/4		1/4	
1/2	2,417.28	1/2	2,058.20	1/2	1,699.11	1/2	1,340.03	1/2	988.92	1/2	636.22	1/2	277.15	1/2		1/2		1/2	
3/4	2,409.80	3/4	2,050.71	3/4	1,691.63	3/4	1,332.55	3/4	981.74	3/4	628.74	3/4	269.67	3/4		3/4		3/4	
7	2,402.32	7	2,043.23	7	1,684.15	7	1,325.07	7	974.56	7	621.26	7	262.18	7		7		7	
1/4	2,394.84	1/4	2,035.75	1/4	1,676.67	1/4	1,317.59	1/4	967.39	1/4	613.78	1/4	254.70	1/4		1/4		1/4	
1/2	2,387.36	1/2	2,028.27	1/2	1,669.19	1/2	1,310.11	1/2	960.21	1/2	606.30	1/2	247.22	1/2		1/2		1/2	
3/4	2,379.87	3/4	2,020.79	3/4	1,661.71	3/4	1,302.62	3/4	953.03	3/4	598.82	3/4	239.74	3/4		3/4		3/4	
8	2,372.39	8	2,013.31	8	1,654.23	8	1,295.14	8	945.85	8	591.34	8	232.26	8		8		8	
1/4	2,364.91	1/4	2,005.83	1/4	1,646.75	1/4	1,287.66	1/4	938.68	1/4	583.86	1/4	224.78	1/4		1/4		1/4	
1/2	2,357.43	1/2	1,998.35	1/2	1,639.27	1/2	1,280.18	1/2	931.50	1/2	576.37	1/2	217.30	1/2		1/2		1/2	
3/4	2,349.95	3/4	1,990.87	3/4	1,631.78	3/4	1,272.70	3/4	924.32	3/4	568.89	3/4	209.82	3/4		3/4		3/4	
9	2,342.47	9	1,983.39	9	1,624.30	9	1,265.22	9	917.15	9	561.41	9	202.34	9		9		9	
1/4	2,334.99	1/4	1,975.91	1/4	1,616.82	1/4	1,257.74	1/4	909.97	1/4	553.93	1/4	194.86	1/4		1/4		1/4	
1/2	2,327.51	1/2	1,968.42	1/2	1,609.34	1/2	1,250.26	1/2	902.79	1/2	546.45	1/2	187.38	1/2		1/2		1/2	
3/4	2,320.03	3/4	1,960.94	3/4	1,601.86	3/4	1,242.78	3/4	895.61	3/4	538.97	3/4	179.90	3/4		3/4		3/4	
10	2,312.55	10	1,953.46	10	1,594.38	10	1,235.30	10	888.44	10	531.49	10	172.42	10		10		10	
1/4	2,305.07	1/4	1,945.98	1/4	1,586.90	1/4	1,227.82	1/4	881.26	1/4	524.01	1/4	164.94	1/4		1/4		1/4	
1/2	2,297.58	1/2	1,938.50	1/2	1,579.42	1/2	1,220.33	1/2	874.08	1/2	516.53	1/2	157.46	1/2		1/2		1/2	
3/4	2,290.10	3/4	1,931.02	3/4	1,571.94	3/4	1,212.85	3/4	866.91	3/4	509.05	3/4	149.97	3/4		3/4		3/4	
11	2,282.62	11	1,923.54	11	1,564.46	11	1,205.37	11	859.73	11	501.57	11	142.49	11		11		11	
1/4	2,275.14	1/4	1,916.06	1/4	1,556.98	1/4	1,197.89	1/4	852.55	1/4	494.09	1/4	135.01	1/4		1/4		1/4	
1/2	2,267.66	1/2	1,908.58	1/2	1,549.49	1/2	1,190.55	1/2	845.22	1/2	486.61	1/2	127.53	1/2		1/2		1/2	
3/4	2,260.18	3/4	1,901.10	3/4	1,542.01	3/4	1,183.21	3/4	837.89	3/4	479.13	3/4	120.05	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/10/2012 CL - SW
RECALCULATED: 12/02/2022 CL
REPRINTED: 12/02/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2022

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



BARGE "HTCO 3091"

2 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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		0	4,772.73	0	4,414.94	0	4,055.92	0	3,696.86	0	3,337.80	0	2,978.72
1/4		1/4		1/4		1/4		1/4	4,765.31	1/4	4,407.47	1/4	4,048.44	1/4	3,689.38	1/4	3,330.32	1/4	2,971.23
1/2		1/2		1/2		1/2		1/2	4,757.89	1/2	4,400.00	1/2	4,040.96	1/2	3,681.90	1/2	3,322.83	1/2	2,963.75
3/4		3/4		3/4		3/4		3/4	5,094.93	3/4	4,750.47	3/4	4,392.54	3/4	4,033.48	3/4	3,674.42	3/4	3,315.35
1		1		1		1		1	5,090.18	1	4,743.05	1	4,385.07	1	4,026.00	1	3,666.94	1	3,307.87
1/4		1/4		1/4		1/4		1/4	5,084.36	1/4	4,735.61	1/4	4,377.59	1/4	4,018.52	1/4	3,659.46	1/4	3,300.39
1/2		1/2		1/2		1/2		1/2	5,078.54	1/2	4,728.17	1/2	4,370.10	1/2	4,011.04	1/2	3,651.98	1/2	3,292.91
3/4		3/4		3/4		3/4		3/4	5,072.72	3/4	4,720.73	3/4	4,362.62	3/4	4,003.56	3/4	3,644.50	3/4	3,285.43
2		2		2		2		2	5,066.90	2	4,713.30	2	4,355.14	2	3,996.08	2	3,637.02	2	3,277.95
1/4		1/4		1/4		1/4		1/4	5,060.08	1/4	4,705.84	1/4	4,347.66	1/4	3,988.60	1/4	3,629.54	1/4	3,270.47
1/2		1/2		1/2		1/2		1/2	5,053.26	1/2	4,698.38	1/2	4,340.18	1/2	3,981.12	1/2	3,622.05	1/2	3,262.99
3/4		3/4		3/4		3/4		3/4	5,046.44	3/4	4,690.92	3/4	4,332.70	3/4	3,973.64	3/4	3,614.57	3/4	3,255.51
3		3		3		3		3	5,039.62	3	4,683.46	3	4,325.22	3	3,966.16	3	3,607.09	3	3,248.03
1/4		1/4		1/4		1/4		1/4	5,032.26	1/4	4,676.00	1/4	4,317.74	1/4	3,958.68	1/4	3,599.61	1/4	3,240.55
1/2		1/2		1/2		1/2		1/2	5,024.90	1/2	4,668.54	1/2	4,310.26	1/2	3,951.20	1/2	3,592.13	1/2	3,233.07
3/4		3/4		3/4		3/4		3/4	5,017.55	3/4	4,661.08	3/4	4,302.78	3/4	3,943.72	3/4	3,584.65	3/4	3,225.59
4		4		4		4		4	5,010.19	4	4,653.63	4	4,295.30	4	3,936.24	4	3,577.17	4	3,218.11
1/4		1/4		1/4		1/4		1/4	5,002.77	1/4	4,646.17	1/4	4,287.82	1/4	3,928.76	1/4	3,569.69	1/4	3,210.63
1/2		1/2		1/2		1/2		1/2	4,995.34	1/2	4,638.71	1/2	4,280.34	1/2	3,921.28	1/2	3,562.21	1/2	3,203.15
3/4		3/4		3/4		3/4		3/4	4,987.92	3/4	4,631.25	3/4	4,272.86	3/4	3,913.79	3/4	3,554.73	3/4	3,195.67
5		5		5		5		5	4,980.50	5	4,623.79	5	4,265.38	5	3,906.31	5	3,547.25	5	3,188.19
1/4		1/4		1/4		1/4		1/4	4,973.08	1/4	4,616.33	1/4	4,257.90	1/4	3,898.83	1/4	3,539.77	1/4	3,180.71
1/2		1/2		1/2		1/2		1/2	4,965.65	1/2	4,608.87	1/2	4,250.42	1/2	3,891.35	1/2	3,532.29	1/2	3,173.22
3/4		3/4		3/4		3/4		3/4	4,958.23	3/4	4,601.41	3/4	4,242.94	3/4	3,883.87	3/4	3,524.81	3/4	3,165.74
6		6		6		6		6	4,950.81	6	4,593.96	6	4,235.46	6	3,876.39	6	3,517.33	6	3,158.26
1/4		1/4		1/4		1/4		1/4	4,943.38	1/4	4,586.50	1/4	4,227.98	1/4	3,868.91	1/4	3,509.85	1/4	3,150.78
1/2		1/2		1/2		1/2		1/2	4,935.96	1/2	4,579.04	1/2	4,220.50	1/2	3,861.43	1/2	3,502.37	1/2	3,143.30
3/4		3/4		3/4		3/4		3/4	4,928.54	3/4	4,571.58	3/4	4,213.01	3/4	3,853.95	3/4	3,494.89	3/4	3,135.82
7		7		7		7		7	4,921.11	7	4,564.12	7	4,205.53	7	3,846.47	7	3,487.41	7	3,128.34
1/4		1/4		1/4		1/4		1/4	4,913.69	1/4	4,556.66	1/4	4,198.05	1/4	3,838.99	1/4	3,479.93	1/4	3,120.86
1/2		1/2		1/2		1/2		1/2	4,906.27	1/2	4,549.20	1/2	4,190.57	1/2	3,831.51	1/2	3,472.44	1/2	3,113.38
3/4		3/4		3/4		3/4		3/4	4,898.85	3/4	4,541.74	3/4	4,183.09	3/4	3,824.03	3/4	3,464.96	3/4	3,105.90
8		8		8		8		8	4,891.43	8	4,534.28	8	4,175.61	8	3,816.55	8	3,457.48	8	3,098.42
1/4		1/4		1/4		1/4		1/4	4,884.01	1/4	4,526.83	1/4	4,168.13	1/4	3,809.07	1/4	3,450.00	1/4	3,090.94
1/2		1/2		1/2		1/2		1/2	4,876.59	1/2	4,519.37	1/2	4,160.65	1/2	3,801.59	1/2	3,442.52	1/2	3,083.46
3/4		3/4		3/4		3/4		3/4	4,869.17	3/4	4,511.91	3/4	4,153.17	3/4	3,794.11	3/4	3,435.04	3/4	3,075.98
9		9		9		9		9	4,861.75	9	4,504.45	9	4,145.69	9	3,786.63	9	3,427.56	9	3,068.50
1/4		1/4		1/4		1/4		1/4	4,854.34	1/4	4,496.99	1/4	4,138.21	1/4	3,779.15	1/4	3,420.08	1/4	3,061.02
1/2		1/2		1/2		1/2		1/2	4,846.92	1/2	4,489.53	1/2	4,130.73	1/2	3,771.67	1/2	3,412.60	1/2	3,053.54
3/4		3/4		3/4		3/4		3/4	4,839.50	3/4	4,482.07	3/4	4,123.25	3/4	3,764.18	3/4	3,405.12	3/4	3,046.06
10		10		10		10		10	4,832.08	10	4,474.61	10	4,115.77	10	3,756.70	10	3,397.64	10	3,038.58
1/4		1/4		1/4		1/4		1/4	4,824.66	1/4	4,467.16	1/4	4,108.29	1/4	3,749.22	1/4	3,390.16	1/4	3,031.10
1/2		1/2		1/2		1/2		1/2	4,817.24	1/2	4,459.70	1/2	4,100.81	1/2	3,741.74	1/2	3,382.68	1/2	3,023.61
3/4		3/4		3/4		3/4		3/4	4,809.82	3/4	4,452.24	3/4	4,093.33	3/4	3,734.26	3/4	3,375.20	3/4	3,016.13
11		11		11		11		11	4,802.40	11	4,444.78	11	4,085.85	11	3,726.78	11	3,367.72	11	3,008.65
1/4		1/4		1/4		1/4		1/4	4,794.98	1/4	4,437.32	1/4	4,078.37	1/4	3,719.30	1/4	3,360.24	1/4	3,001.17
1/2		1/2		1/2		1/2		1/2	4,787.56	1/2	4,429.86	1/2	4,070.89	1/2	3,711.82	1/2	3,352.76	1/2	2,993.69
3/4		3/4		3/4		3/4		3/4	4,780.15	3/4	4,422.40	3/4	4,063.40	3/4	3,704.34	3/4	3,345.28	3/4	2,986.20

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH HERMETIC DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 46'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P. O. Box 2092

Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HTCO 3091"

2 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,619.46	0	2,260.21	0	1,900.95	0	1,541.69	0	1,182.44	0	823.64	0	464.39	0	105.15	0		0	
1/4	2,611.98	1/4	2,252.72	1/4	1,893.47	1/4	1,534.21	1/4	1,174.95	1/4	816.16	1/4	456.91	1/4	97.66	1/4		1/4	
1/2	2,604.49	1/2	2,245.24	1/2	1,885.98	1/2	1,526.72	1/2	1,167.47	1/2	808.67	1/2	449.43	1/2	90.18	1/2		1/2	
3/4	2,597.01	3/4	2,237.75	3/4	1,878.50	3/4	1,519.24	3/4	1,159.98	3/4	801.19	3/4	441.94	3/4	82.70	3/4		3/4	
1	2,589.52	1	2,230.27	1	1,871.01	1	1,511.76	1	1,152.50	1	793.70	1	434.46	1	75.21	1		1	
1/4	2,582.04	1/4	2,222.78	1/4	1,863.53	1/4	1,504.27	1/4	1,145.02	1/4	786.22	1/4	426.97	1/4	68.19	1/4		1/4	
1/2	2,574.55	1/2	2,215.30	1/2	1,856.04	1/2	1,496.79	1/2	1,137.54	1/2	778.73	1/2	419.49	1/2	61.18	1/2		1/2	
3/4	2,567.07	3/4	2,207.81	3/4	1,848.56	3/4	1,489.30	3/4	1,130.05	3/4	771.25	3/4	412.00	3/4	54.16	3/4		3/4	
2	2,559.59	2	2,200.33	2	1,841.07	2	1,481.82	2	1,122.57	2	763.77	2	404.52	2	47.14	2		2	
1/4	2,552.10	1/4	2,192.85	1/4	1,833.59	1/4	1,474.33	1/4	1,115.09	1/4	756.28	1/4	397.04	1/4	41.53	1/4		1/4	
1/2	2,544.62	1/2	2,185.36	1/2	1,826.10	1/2	1,466.85	1/2	1,107.61	1/2	748.80	1/2	389.55	1/2	35.92	1/2		1/2	
3/4	2,537.13	3/4	2,177.88	3/4	1,818.62	3/4	1,459.36	3/4	1,100.14	3/4	741.31	3/4	382.07	3/4	30.31	3/4		3/4	
3	2,529.65	3	2,170.39	3	1,811.14	3	1,451.88	3	1,092.66	3	733.83	3	374.58	3	24.69	3		3	
1/4	2,522.16	1/4	2,162.91	1/4	1,803.65	1/4	1,444.40	1/4	1,085.18	1/4	726.34	1/4	367.10	1/4	20.95	1/4		1/4	
1/2	2,514.68	1/2	2,155.42	1/2	1,796.17	1/2	1,436.91	1/2	1,077.71	1/2	718.86	1/2	359.61	1/2		1/2		1/2	
3/4	2,507.19	3/4	2,147.94	3/4	1,788.68	3/4	1,429.43	3/4	1,070.23	3/4	711.38	3/4	352.13	3/4		3/4		3/4	
4	2,499.71	4	2,140.45	4	1,781.20	4	1,421.94	4	1,062.75	4	703.89	4	344.65	4		4		4	
1/4	2,492.23	1/4	2,132.97	1/4	1,773.71	1/4	1,414.46	1/4	1,055.28	1/4	696.41	1/4	337.16	1/4		1/4		1/4	
1/2	2,484.74	1/2	2,125.48	1/2	1,766.23	1/2	1,406.97	1/2	1,047.81	1/2	688.92	1/2	329.68	1/2		1/2		1/2	
3/4	2,477.26	3/4	2,118.00	3/4	1,758.74	3/4	1,399.49	3/4	1,040.34	3/4	681.44	3/4	322.19	3/4		3/4		3/4	
5	2,469.77	5	2,110.52	5	1,751.26	5	1,392.00	5	1,032.87	5	673.95	5	314.71	5		5		5	
1/4	2,462.29	1/4	2,103.03	1/4	1,743.78	1/4	1,384.52	1/4	1,025.40	1/4	666.47	1/4	307.22	1/4		1/4		1/4	
1/2	2,454.80	1/2	2,095.55	1/2	1,736.29	1/2	1,377.03	1/2	1,017.93	1/2	658.99	1/2	299.74	1/2		1/2		1/2	
3/4	2,447.32	3/4	2,088.06	3/4	1,728.81	3/4	1,369.55	3/4	1,010.45	3/4	651.50	3/4	292.26	3/4		3/4		3/4	
6	2,439.83	6	2,080.58	6	1,721.32	6	1,362.07	6	1,002.98	6	644.02	6	284.77	6		6		6	
1/4	2,432.35	1/4	2,073.09	1/4	1,713.84	1/4	1,354.58	1/4	995.51	1/4	636.53	1/4	277.29	1/4		1/4		1/4	
1/2	2,424.86	1/2	2,065.61	1/2	1,706.35	1/2	1,347.10	1/2	988.04	1/2	629.05	1/2	269.80	1/2		1/2		1/2	
3/4	2,417.38	3/4	2,058.12	3/4	1,698.87	3/4	1,339.61	3/4	980.57	3/4	621.56	3/4	262.32	3/4		3/4		3/4	
7	2,409.90	7	2,050.64	7	1,691.38	7	1,332.13	7	973.10	7	614.08	7	254.83	7		7		7	
1/4	2,402.41	1/4	2,043.16	1/4	1,683.90	1/4	1,324.64	1/4	965.62	1/4	606.60	1/4	247.35	1/4		1/4		1/4	
1/2	2,394.93	1/2	2,035.67	1/2	1,676.41	1/2	1,317.16	1/2	958.15	1/2	599.11	1/2	239.87	1/2		1/2		1/2	
3/4	2,387.44	3/4	2,028.19	3/4	1,668.93	3/4	1,309.67	3/4	950.68	3/4	591.63	3/4	232.38	3/4		3/4		3/4	
8	2,379.96	8	2,020.70	8	1,661.45	8	1,302.19	8	943.21	8	584.14	8	224.90	8		8		8	
1/4	2,372.47	1/4	2,013.22	1/4	1,653.96	1/4	1,294.71	1/4	935.74	1/4	576.66	1/4	217.41	1/4		1/4		1/4	
1/2	2,364.99	1/2	2,005.73	1/2	1,646.48	1/2	1,287.22	1/2	928.27	1/2	569.17	1/2	209.93	1/2		1/2		1/2	
3/4	2,357.50	3/4	1,998.25	3/4	1,638.99	3/4	1,279.74	3/4	920.80	3/4	561.69	3/4	202.44	3/4		3/4		3/4	
9	2,350.02	9	1,990.76	9	1,631.51	9	1,272.25	9	913.32	9	554.21	9	194.96	9		9		9	
1/4	2,342.54	1/4	1,983.28	1/4	1,624.02	1/4	1,264.77	1/4	905.85	1/4	546.72	1/4	187.48	1/4		1/4		1/4	
1/2	2,335.05	1/2	1,975.79	1/2	1,616.54	1/2	1,257.28	1/2	898.38	1/2	539.24	1/2	179.99	1/2		1/2		1/2	
3/4	2,327.57	3/4	1,968.31	3/4	1,609.05	3/4	1,249.80	3/4	890.91	3/4	531.75	3/4	172.51	3/4		3/4		3/4	
10	2,320.08	10	1,960.83	10	1,601.57	10	1,242.31	10	883.44	10	524.27	10	165.02	10		10		10	
1/4	2,312.60	1/4	1,953.34	1/4	1,594.09	1/4	1,234.83	1/4	875.97	1/4	516.78	1/4	157.54	1/4		1/4		1/4	
1/2	2,305.11	1/2	1,945.86	1/2	1,586.60	1/2	1,227.34	1/2	868.50	1/2	509.30	1/2	150.05	1/2		1/2		1/2	
3/4	2,297.63	3/4	1,938.37	3/4	1,579.12	3/4	1,219.86	3/4	861.02	3/4	501.82	3/4	142.57	3/4		3/4		3/4	
11	2,290.14	11	1,930.89	11	1,571.63	11	1,212.38	11	853.55	11	494.33	11	135.09	11		11		11	
1/4	2,282.66	1/4	1,923.40	1/4	1,564.15	1/4	1,204.89	1/4	846.07	1/4	486.85	1/4	127.60	1/4		1/4		1/4	
1/2	2,275.17	1/2	1,915.92	1/2	1,556.66	1/2	1,197.41	1/2	838.60	1/2	479.36	1/2	120.12	1/2		1/2		1/2	
3/4	2,267.69	3/4	1,908.43	3/4	1,549.18	3/4	1,189.92	3/4	831.12	3/4	471.88	3/4	112.63	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/10/2012 CL - SW
RECALCULATED: 12/02/2022 CL
REPRINTED: 12/02/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2022

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



BARGE "HTCO 3091"

3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,382.76	0	4,136.40	0	3,889.18	0	3,641.91	0	3,317.72	0	2,961.28
1/4		1/4		1/4		1/4		1/4	4,377.65	1/4	4,131.26	1/4	3,884.03	1/4	3,636.76	1/4	3,310.31	1/4	2,953.85
1/2		1/2		1/2		1/2		1/2	4,372.54	1/2	4,126.12	1/2	3,878.88	1/2	3,631.61	1/2	3,302.90	1/2	2,946.42
3/4		3/4		3/4		3/4		3/4	4,367.43	3/4	4,120.98	3/4	3,873.73	3/4	3,626.45	3/4	3,295.50	3/4	2,938.99
1		1		1		1		1	4,362.32	1	4,115.83	1	3,868.58	1	3,621.30	1	3,288.09	1	2,931.55
1/4		1/4		1/4		1/4		1/4	4,590.83	1/4	4,357.21	1/4	4,110.69	1/4	3,863.42	1/4	3,616.15	1/4	3,280.68
1/2		1/2		1/2		1/2		1/2	4,588.38	1/2	4,352.10	1/2	4,105.54	1/2	3,858.27	1/2	3,611.00	1/2	3,273.27
3/4		3/4		3/4		3/4		3/4	4,584.87	3/4	4,346.98	3/4	4,100.39	3/4	3,853.12	3/4	3,605.85	3/4	3,265.85
2		2		2		2		2	4,581.35	2	4,341.85	2	4,095.24	2	3,847.97	2	3,600.70	2	3,258.43
1/4		1/4		1/4		1/4		1/4	4,577.84	1/4	4,336.73	1/4	4,090.09	1/4	3,842.82	1/4	3,595.55	1/4	3,251.01
1/2		1/2		1/2		1/2		1/2	4,574.32	1/2	4,331.60	1/2	4,084.94	1/2	3,837.67	1/2	3,590.39	1/2	3,243.59
3/4		3/4		3/4		3/4		3/4	4,569.81	3/4	4,326.47	3/4	4,079.79	3/4	3,832.51	3/4	3,584.67	3/4	3,236.16
3		3		3		3		3	4,565.30	3	4,321.33	3	4,074.64	3	3,827.36	3	3,578.94	3	3,228.74
1/4		1/4		1/4		1/4		1/4	4,560.78	1/4	4,316.19	1/4	4,069.48	1/4	3,822.21	1/4	3,573.22	1/4	3,221.31
1/2		1/2		1/2		1/2		1/2	4,556.27	1/2	4,311.06	1/2	4,064.33	1/2	3,817.06	1/2	3,567.49	1/2	3,213.88
3/4		3/4		3/4		3/4		3/4	4,551.22	3/4	4,305.92	3/4	4,059.18	3/4	3,811.91	3/4	3,560.63	3/4	3,206.45
4		4		4		4		4	4,546.18	4	4,300.78	4	4,054.03	4	3,806.76	4	3,553.77	4	3,199.02
1/4		1/4		1/4		1/4		1/4	4,541.13	1/4	4,295.65	1/4	4,048.88	1/4	3,801.61	1/4	3,546.91	1/4	3,191.59
1/2		1/2		1/2		1/2		1/2	4,536.09	1/2	4,290.51	1/2	4,043.73	1/2	3,796.45	1/2	3,540.05	1/2	3,184.16
3/4		3/4		3/4		3/4		3/4	4,530.97	3/4	4,285.37	3/4	4,038.57	3/4	3,791.30	3/4	3,532.63	3/4	3,176.73
5		5		5		5		5	4,525.86	5	4,280.23	5	4,033.42	5	3,786.15	5	3,525.21	5	3,169.30
1/4		1/4		1/4		1/4		1/4	4,520.75	1/4	4,275.10	1/4	4,028.27	1/4	3,781.00	1/4	3,517.79	1/4	3,161.87
1/2		1/2		1/2		1/2		1/2	4,515.64	1/2	4,269.96	1/2	4,023.12	1/2	3,775.85	1/2	3,510.37	1/2	3,154.44
3/4		3/4		3/4		3/4		3/4	4,510.52	3/4	4,264.82	3/4	4,017.97	3/4	3,770.70	3/4	3,502.95	3/4	3,147.01
6		6		6		6		6	4,505.41	6	4,259.69	6	4,012.82	6	3,765.55	6	3,495.54	6	3,139.58
1/4		1/4		1/4		1/4		1/4	4,500.30	1/4	4,254.55	1/4	4,007.67	1/4	3,760.39	1/4	3,488.12	1/4	3,132.15
1/2		1/2		1/2		1/2		1/2	4,495.19	1/2	4,249.41	1/2	4,002.51	1/2	3,755.24	1/2	3,480.71	1/2	3,124.73
3/4		3/4		3/4		3/4		3/4	4,490.07	3/4	4,244.28	3/4	3,997.36	3/4	3,750.09	3/4	3,473.30	3/4	3,117.30
7		7		7		7		7	4,484.96	7	4,239.14	7	3,992.21	7	3,744.94	7	3,465.89	7	3,109.87
1/4		1/4		1/4		1/4		1/4	4,479.85	1/4	4,234.00	1/4	3,987.06	1/4	3,739.79	1/4	3,458.49	1/4	3,102.44
1/2		1/2		1/2		1/2		1/2	4,474.74	1/2	4,228.86	1/2	3,981.91	1/2	3,734.64	1/2	3,451.08	1/2	3,095.01
3/4		3/4		3/4		3/4		3/4	4,469.63	3/4	4,223.73	3/4	3,976.76	3/4	3,729.48	3/4	3,443.67	3/4	3,087.58
8		8		8		8		8	4,464.52	8	4,218.59	8	3,971.61	8	3,724.33	8	3,436.26	8	3,080.15
1/4		1/4		1/4		1/4		1/4	4,459.40	1/4	4,213.45	1/4	3,966.45	1/4	3,719.18	1/4	3,428.85	1/4	3,072.72
1/2		1/2		1/2		1/2		1/2	4,454.29	1/2	4,208.32	1/2	3,961.30	1/2	3,714.03	1/2	3,421.44	1/2	3,065.29
3/4		3/4		3/4		3/4		3/4	4,449.18	3/4	4,203.18	3/4	3,956.15	3/4	3,708.88	3/4	3,414.03	3/4	3,057.86
9		9		9		9		9	4,444.07	9	4,198.04	9	3,951.00	9	3,703.73	9	3,406.62	9	3,050.43
1/4		1/4		1/4		1/4		1/4	4,438.96	1/4	4,192.91	1/4	3,945.85	1/4	3,698.58	1/4	3,399.22	1/4	3,043.00
1/2		1/2		1/2		1/2		1/2	4,433.86	1/2	4,187.77	1/2	3,940.70	1/2	3,693.42	1/2	3,391.81	1/2	3,035.57
3/4		3/4		3/4		3/4		3/4	4,428.75	3/4	4,182.63	3/4	3,935.54	3/4	3,688.27	3/4	3,384.40	3/4	3,028.14
10		10		10		10		10	4,423.64	10	4,177.49	10	3,930.39	10	3,683.12	10	3,376.99	10	3,020.72
1/4		1/4		1/4		1/4		1/4	4,418.53	1/4	4,172.36	1/4	3,925.24	1/4	3,677.97	1/4	3,369.58	1/4	3,013.29
1/2		1/2		1/2		1/2		1/2	4,413.42	1/2	4,167.22	1/2	3,920.09	1/2	3,672.82	1/2	3,362.17	1/2	3,005.86
3/4		3/4		3/4		3/4		3/4	4,408.31	3/4	4,162.08	3/4	3,914.94	3/4	3,667.67	3/4	3,354.76	3/4	2,998.43
11		11		11		11		11	4,403.20	11	4,156.95	11	3,909.79	11	3,662.52	11	3,347.36	11	2,991.00
1/4		1/4		1/4		1/4		1/4	4,398.09	1/4	4,151.81	1/4	3,904.64	1/4	3,657.36	1/4	3,339.95	1/4	2,983.57
1/2		1/2		1/2		1/2		1/2	4,392.98	1/2	4,146.67	1/2	3,899.48	1/2	3,652.21	1/2	3,332.54	1/2	2,976.14
3/4		3/4		3/4		3/4		3/4	4,387.87	3/4	4,141.54	3/4	3,894.33	3/4	3,647.06	3/4	3,325.13	3/4	2,968.71

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 45'-07" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HTCO 3091"

3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,604.54	0	2,248.72	0	1,894.56	0	1,537.53	0	1,180.66	0	833.94	0	476.89	0	119.63	0		0	
1/4	2,597.10	1/4	2,241.33	1/4	1,887.15	1/4	1,530.09	1/4	1,173.32	1/4	826.62	1/4	469.45	1/4	112.18	1/4		1/4	
1/2	2,589.67	1/2	2,233.94	1/2	1,879.74	1/2	1,522.65	1/2	1,165.99	1/2	819.29	1/2	462.00	1/2	104.73	1/2		1/2	
3/4	2,582.23	3/4	2,226.56	3/4	1,872.30	3/4	1,515.21	3/4	1,158.76	3/4	811.85	3/4	454.56	3/4	97.28	3/4		3/4	
1	2,574.79	1	2,219.18	1	1,864.86	1	1,507.78	1	1,151.53	1	804.40	1	447.12	1	89.83	1		1	
1/4	2,567.35	1/4	2,211.81	1/4	1,857.42	1/4	1,500.34	1/4	1,144.30	1/4	796.96	1/4	439.68	1/4	82.37	1/4		1/4	
1/2	2,559.91	1/2	2,204.43	1/2	1,849.98	1/2	1,492.90	1/2	1,137.07	1/2	789.52	1/2	432.24	1/2	74.92	1/2		1/2	
3/4	2,552.47	3/4	2,197.06	3/4	1,842.54	3/4	1,485.46	3/4	1,129.85	3/4	782.07	3/4	424.79	3/4	67.93	3/4		3/4	
2	2,545.03	2	2,189.68	2	1,835.10	2	1,478.02	2	1,122.63	2	774.63	2	417.35	2	60.94	2		2	
1/4	2,537.59	1/4	2,182.30	1/4	1,827.67	1/4	1,470.58	1/4	1,115.40	1/4	767.19	1/4	409.91	1/4	53.95	1/4		1/4	
1/2	2,530.15	1/2	2,174.93	1/2	1,820.23	1/2	1,463.14	1/2	1,108.18	1/2	759.74	1/2	402.47	1/2	46.96	1/2		1/2	
3/4	2,522.71	3/4	2,167.55	3/4	1,812.79	3/4	1,455.70	3/4	1,100.96	3/4	752.30	3/4	395.03	3/4	41.37	3/4		3/4	
3	2,515.27	3	2,160.17	3	1,805.35	3	1,448.26	3	1,093.75	3	744.86	3	387.58	3	35.78	3		3	
1/4	2,507.84	1/4	2,152.80	1/4	1,797.91	1/4	1,440.82	1/4	1,086.53	1/4	737.41	1/4	380.14	1/4	30.19	1/4		1/4	
1/2	2,500.40	1/2	2,145.42	1/2	1,790.47	1/2	1,433.38	1/2	1,079.31	1/2	729.97	1/2	372.70	1/2	24.60	1/2		1/2	
3/4	2,492.98	3/4	2,138.04	3/4	1,783.03	3/4	1,425.94	3/4	1,072.10	3/4	722.52	3/4	365.26	3/4	20.87	3/4		3/4	
4	2,485.56	4	2,130.67	4	1,775.59	4	1,418.50	4	1,064.89	4	715.08	4	357.81	4		4		4	
1/4	2,478.14	1/4	2,123.29	1/4	1,768.15	1/4	1,411.06	1/4	1,057.67	1/4	707.64	1/4	350.37	1/4		1/4		1/4	
1/2	2,470.72	1/2	2,115.92	1/2	1,760.71	1/2	1,403.63	1/2	1,050.46	1/2	700.19	1/2	342.93	1/2		1/2		1/2	
3/4	2,463.31	3/4	2,108.54	3/4	1,753.27	3/4	1,396.19	3/4	1,043.25	3/4	692.75	3/4	335.49	3/4		3/4		3/4	
5	2,455.91	5	2,101.16	5	1,745.83	5	1,388.75	5	1,036.04	5	685.31	5	328.05	5		5		5	
1/4	2,448.51	1/4	2,093.79	1/4	1,738.39	1/4	1,381.31	1/4	1,028.83	1/4	677.86	1/4	320.60	1/4		1/4		1/4	
1/2	2,441.11	1/2	2,086.41	1/2	1,730.95	1/2	1,373.87	1/2	1,021.62	1/2	670.42	1/2	313.16	1/2		1/2		1/2	
3/4	2,433.71	3/4	2,079.03	3/4	1,723.52	3/4	1,366.43	3/4	1,014.41	3/4	662.98	3/4	305.72	3/4		3/4		3/4	
6	2,426.31	6	2,071.66	6	1,716.08	6	1,358.99	6	1,007.20	6	655.53	6	298.28	6		6		6	
1/4	2,418.91	1/4	2,064.28	1/4	1,708.64	1/4	1,351.55	1/4	999.99	1/4	648.09	1/4	290.83	1/4		1/4		1/4	
1/2	2,411.51	1/2	2,056.90	1/2	1,701.20	1/2	1,344.11	1/2	992.78	1/2	640.65	1/2	283.39	1/2		1/2		1/2	
3/4	2,404.11	3/4	2,049.53	3/4	1,693.76	3/4	1,336.67	3/4	985.58	3/4	633.20	3/4	275.95	3/4		3/4		3/4	
7	2,396.71	7	2,042.15	7	1,686.32	7	1,329.23	7	978.37	7	625.76	7	268.51	7		7		7	
1/4	2,389.31	1/4	2,034.77	1/4	1,678.88	1/4	1,321.79	1/4	971.16	1/4	618.32	1/4	261.07	1/4		1/4		1/4	
1/2	2,381.91	1/2	2,027.40	1/2	1,671.44	1/2	1,314.35	1/2	963.95	1/2	610.87	1/2	253.62	1/2		1/2		1/2	
3/4	2,374.50	3/4	2,020.02	3/4	1,664.00	3/4	1,306.91	3/4	956.74	3/4	603.43	3/4	246.18	3/4		3/4		3/4	
8	2,367.10	8	2,012.65	8	1,656.56	8	1,299.48	8	949.53	8	595.99	8	238.74	8		8		8	
1/4	2,359.70	1/4	2,005.27	1/4	1,649.12	1/4	1,292.04	1/4	942.32	1/4	588.54	1/4	231.29	1/4		1/4		1/4	
1/2	2,352.30	1/2	1,997.89	1/2	1,641.68	1/2	1,284.60	1/2	935.11	1/2	581.10	1/2	223.85	1/2		1/2		1/2	
3/4	2,344.90	3/4	1,990.52	3/4	1,634.24	3/4	1,277.16	3/4	927.90	3/4	573.65	3/4	216.41	3/4		3/4		3/4	
9	2,337.50	9	1,983.14	9	1,626.80	9	1,269.72	9	920.69	9	566.21	9	208.96	9		9		9	
1/4	2,330.10	1/4	1,975.76	1/4	1,619.36	1/4	1,262.28	1/4	913.48	1/4	558.77	1/4	201.52	1/4		1/4		1/4	
1/2	2,322.70	1/2	1,968.39	1/2	1,611.93	1/2	1,254.84	1/2	906.27	1/2	551.32	1/2	194.08	1/2		1/2		1/2	
3/4	2,315.30	3/4	1,961.01	3/4	1,604.49	3/4	1,247.40	3/4	899.06	3/4	543.88	3/4	186.63	3/4		3/4		3/4	
10	2,307.90	10	1,953.63	10	1,597.05	10	1,239.96	10	891.85	10	536.44	10	179.19	10		10		10	
1/4	2,300.50	1/4	1,946.26	1/4	1,589.61	1/4	1,232.52	1/4	884.64	1/4	528.99	1/4	171.75	1/4		1/4		1/4	
1/2	2,293.10	1/2	1,938.88	1/2	1,582.17	1/2	1,225.08	1/2	877.43	1/2	521.55	1/2	164.30	1/2		1/2		1/2	
3/4	2,285.70	3/4	1,931.51	3/4	1,574.73	3/4	1,217.64	3/4	870.23	3/4	514.11	3/4	156.86	3/4		3/4		3/4	
11	2,278.29	11	1,924.13	11	1,567.29	11	1,210.20	11	863.02	11	506.66	11	149.41	11		11		11	
1/4	2,270.89	1/4	1,916.75	1/4	1,559.85	1/4	1,202.76	1/4	855.81	1/4	499.22	1/4	141.97	1/4		1/4		1/4	
1/2	2,263.49	1/2	1,909.38	1/2	1,552.41	1/2	1,195.32	1/2	848.60	1/2	491.78	1/2	134.52	1/2		1/2		1/2	
3/4	2,256.10	3/4	1,901.97	3/4	1,544.97	3/4	1,187.99	3/4	841.27	3/4	484.33	3/4	127.07	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/10/2012 CL - SW
RECALCULATED: 12/02/2022 CL
REPRINTED: 12/02/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2022

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



BARGE "HTCO 3091"

3 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,396.25	0	4,149.97	0	3,902.85	0	3,655.69	0	3,329.02	0	2,972.04
1/4		1/4		1/4		1/4		1/4	4,391.14	1/4	4,144.84	1/4	3,897.70	1/4	3,650.55	1/4	3,321.61	1/4	2,964.60
1/2		1/2		1/2		1/2		1/2	4,386.03	1/2	4,139.69	1/2	3,892.55	1/2	3,645.40	1/2	3,314.19	1/2	2,957.15
3/4		3/4		3/4		3/4		3/4	4,380.93	3/4	4,134.55	3/4	3,887.40	3/4	3,640.25	3/4	3,306.77	3/4	2,949.71
1		1		1		1	4,609.34	1	4,375.82	1	4,129.41	1	3,882.25	1	3,635.10	1	3,299.35	1	2,942.27
1/4		1/4		1/4		1/4	4,606.89	1/4	4,370.71	1/4	4,124.26	1/4	3,877.11	1/4	3,629.95	1/4	3,291.93	1/4	2,934.83
1/2		1/2		1/2		1/2	4,603.38	1/2	4,365.59	1/2	4,119.11	1/2	3,871.96	1/2	3,624.80	1/2	3,284.50	1/2	2,927.38
3/4		3/4		3/4		3/4	4,599.86	3/4	4,360.47	3/4	4,113.96	3/4	3,866.81	3/4	3,619.65	3/4	3,277.07	3/4	2,919.94
2		2		2		2	4,596.35	2	4,355.35	2	4,108.82	2	3,861.66	2	3,614.50	2	3,269.64	2	2,912.50
1/4		1/4		1/4		1/4	4,592.84	1/4	4,350.23	1/4	4,103.67	1/4	3,856.51	1/4	3,609.35	1/4	3,262.21	1/4	2,905.05
1/2		1/2		1/2		1/2	4,588.32	1/2	4,345.09	1/2	4,098.52	1/2	3,851.36	1/2	3,603.63	1/2	3,254.77	1/2	2,897.61
3/4		3/4		3/4		3/4	4,583.81	3/4	4,339.96	3/4	4,093.37	3/4	3,846.21	3/4	3,597.91	3/4	3,247.33	3/4	2,890.17
3		3		3		3	4,579.30	3	4,334.82	3	4,088.22	3	3,841.06	3	3,592.18	3	3,239.89	3	2,882.73
1/4		1/4		1/4		1/4	4,574.79	1/4	4,329.69	1/4	4,083.07	1/4	3,835.91	1/4	3,586.46	1/4	3,232.45	1/4	2,875.28
1/2		1/2		1/2		1/2	4,569.75	1/2	4,324.55	1/2	4,077.92	1/2	3,830.76	1/2	3,579.60	1/2	3,225.01	1/2	2,867.84
3/4		3/4		3/4		3/4	4,564.70	3/4	4,319.42	3/4	4,072.77	3/4	3,825.61	3/4	3,572.74	3/4	3,217.57	3/4	2,860.40
4		4		4		4	4,559.66	4	4,314.28	4	4,067.62	4	3,820.47	4	3,565.89	4	3,210.13	4	2,852.95
1/4		1/4		1/4		1/4	4,554.61	1/4	4,309.15	1/4	4,062.47	1/4	3,815.32	1/4	3,559.03	1/4	3,202.69	1/4	2,845.51
1/2		1/2		1/2		1/2	4,549.50	1/2	4,304.01	1/2	4,057.32	1/2	3,810.17	1/2	3,551.61	1/2	3,195.25	1/2	2,838.07
3/4		3/4		3/4		3/4	4,544.39	3/4	4,298.88	3/4	4,052.17	3/4	3,805.02	3/4	3,544.19	3/4	3,187.81	3/4	2,830.63
5		5		5		5	4,539.28	5	4,293.74	5	4,047.03	5	3,799.87	5	3,536.77	5	3,180.37	5	2,823.18
1/4		1/4		1/4		1/4	4,534.17	1/4	4,288.61	1/4	4,041.88	1/4	3,794.72	1/4	3,529.35	1/4	3,172.93	1/4	2,815.74
1/2		1/2		1/2		1/2	4,529.06	1/2	4,283.47	1/2	4,036.73	1/2	3,789.57	1/2	3,521.93	1/2	3,165.49	1/2	2,808.30
3/4		3/4		3/4		3/4	4,523.95	3/4	4,278.34	3/4	4,031.58	3/4	3,784.42	3/4	3,514.51	3/4	3,158.05	3/4	2,800.85
6		6		6		6	4,518.84	6	4,273.21	6	4,026.43	6	3,779.27	6	3,507.09	6	3,150.61	6	2,793.41
1/4		1/4		1/4		1/4	4,513.73	1/4	4,268.07	1/4	4,021.28	1/4	3,774.12	1/4	3,499.67	1/4	3,143.17	1/4	2,785.97
1/2		1/2		1/2		1/2	4,508.62	1/2	4,262.94	1/2	4,016.13	1/2	3,768.97	1/2	3,492.25	1/2	3,135.72	1/2	2,778.53
3/4		3/4		3/4		3/4	4,503.51	3/4	4,257.80	3/4	4,010.98	3/4	3,763.83	3/4	3,484.83	3/4	3,128.28	3/4	2,771.08
7		7		7		7	4,498.40	7	4,252.67	7	4,005.83	7	3,758.68	7	3,477.41	7	3,120.84	7	2,763.64
1/4		1/4		1/4		1/4	4,493.29	1/4	4,247.53	1/4	4,000.68	1/4	3,753.53	1/4	3,470.00	1/4	3,113.40	1/4	2,756.20
1/2		1/2		1/2		1/2	4,488.18	1/2	4,242.40	1/2	3,995.53	1/2	3,748.38	1/2	3,462.58	1/2	3,105.96	1/2	2,748.75
3/4		3/4		3/4		3/4	4,483.08	3/4	4,237.26	3/4	3,990.39	3/4	3,743.23	3/4	3,455.16	3/4	3,098.52	3/4	2,741.31
8		8		8		8	4,477.97	8	4,232.13	8	3,985.24	8	3,738.08	8	3,447.74	8	3,091.08	8	2,733.87
1/4		1/4		1/4		1/4	4,472.86	1/4	4,226.99	1/4	3,980.09	1/4	3,732.93	1/4	3,440.32	1/4	3,083.64	1/4	2,726.42
1/2		1/2		1/2		1/2	4,467.75	1/2	4,221.86	1/2	3,974.94	1/2	3,727.78	1/2	3,432.90	1/2	3,076.20	1/2	2,718.98
3/4		3/4		3/4		3/4	4,462.64	3/4	4,216.72	3/4	3,969.79	3/4	3,722.63	3/4	3,425.48	3/4	3,068.76	3/4	2,711.54
9		9		9		9	4,457.54	9	4,211.59	9	3,964.64	9	3,717.48	9	3,418.06	9	3,061.32	9	2,704.10
1/4		1/4		1/4		1/4	4,452.43	1/4	4,206.45	1/4	3,959.49	1/4	3,712.33	1/4	3,410.64	1/4	3,053.88	1/4	2,696.65
1/2		1/2		1/2		1/2	4,447.32	1/2	4,201.32	1/2	3,954.34	1/2	3,707.19	1/2	3,403.22	1/2	3,046.44	1/2	2,689.21
3/4		3/4		3/4		3/4	4,442.21	3/4	4,196.18	3/4	3,949.19	3/4	3,702.04	3/4	3,395.80	3/4	3,039.00	3/4	2,681.77
10		10		10		10	4,437.11	10	4,191.05	10	3,944.04	10	3,696.89	10	3,388.38	10	3,031.56	10	2,674.32
1/4		1/4		1/4		1/4	4,432.00	1/4	4,185.92	1/4	3,938.89	1/4	3,691.74	1/4	3,380.96	1/4	3,024.12	1/4	2,666.88
1/2		1/2		1/2		1/2	4,426.89	1/2	4,180.78	1/2	3,933.75	1/2	3,686.59	1/2	3,373.54	1/2	3,016.68	1/2	2,659.44
3/4		3/4		3/4		3/4	4,421.78	3/4	4,175.65	3/4	3,928.60	3/4	3,681.44	3/4	3,366.12	3/4	3,009.24	3/4	2,652.00
11		11		11		11	4,416.68	11	4,170.51	11	3,923.45	11	3,676.29	11	3,358.70	11	3,001.80	11	2,644.55
1/4		1/4		1/4		1/4	4,411.57	1/4	4,165.38	1/4	3,918.30	1/4	3,671.14	1/4	3,351.28	1/4	2,994.36	1/4	2,637.11
1/2		1/2		1/2		1/2	4,406.46	1/2	4,160.24	1/2	3,913.15	1/2	3,665.99	1/2	3,343.86	1/2	2,986.92	1/2	2,629.66
3/4		3/4		3/4		3/4	4,401.36	3/4	4,155.11	3/4	3,908.00	3/4	3,660.84	3/4	3,336.44	3/4	2,979.48	3/4	2,622.22

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 45'-07" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HTCO 3091"

3 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,614.77	0	2,257.17	0	1,899.56	0	1,541.96	0	1,184.35	0	827.30	0	469.71	0	112.11	0		0	
1/4	2,607.32	1/4	2,249.72	1/4	1,892.11	1/4	1,534.51	1/4	1,176.90	1/4	819.85	1/4	462.26	1/4	104.66	1/4		1/4	
1/2	2,599.87	1/2	2,242.27	1/2	1,884.66	1/2	1,527.06	1/2	1,169.45	1/2	812.40	1/2	454.81	1/2	97.21	1/2		1/2	
3/4	2,592.42	3/4	2,234.82	3/4	1,877.21	3/4	1,519.61	3/4	1,162.00	3/4	804.95	3/4	447.36	3/4	89.76	3/4		3/4	
1	2,584.97	1	2,227.37	1	1,869.76	1	1,512.16	1	1,154.55	1	797.51	1	439.91	1	82.31	1		1	
1/4	2,577.52	1/4	2,219.92	1/4	1,862.31	1/4	1,504.71	1/4	1,147.10	1/4	790.06	1/4	432.46	1/4	74.86	1/4		1/4	
1/2	2,570.07	1/2	2,212.47	1/2	1,854.86	1/2	1,497.26	1/2	1,139.66	1/2	782.61	1/2	425.01	1/2	67.88	1/2		1/2	
3/4	2,562.62	3/4	2,205.02	3/4	1,847.41	3/4	1,489.81	3/4	1,132.21	3/4	775.16	3/4	417.56	3/4	60.90	3/4		3/4	
2	2,555.17	2	2,197.57	2	1,839.96	2	1,482.36	2	1,124.77	2	767.71	2	410.11	2	53.91	2		2	
1/4	2,547.72	1/4	2,190.12	1/4	1,832.51	1/4	1,474.91	1/4	1,117.32	1/4	760.26	1/4	402.66	1/4	46.93	1/4		1/4	
1/2	2,540.27	1/2	2,182.67	1/2	1,825.06	1/2	1,467.46	1/2	1,109.88	1/2	752.81	1/2	395.21	1/2	41.34	1/2		1/2	
3/4	2,532.82	3/4	2,175.22	3/4	1,817.61	3/4	1,460.01	3/4	1,102.44	3/4	745.36	3/4	387.76	3/4	35.75	3/4		3/4	
3	2,525.37	3	2,167.77	3	1,810.16	3	1,452.56	3	1,094.99	3	737.91	3	380.31	3	30.17	3		3	
1/4	2,517.92	1/4	2,160.32	1/4	1,802.71	1/4	1,445.11	1/4	1,087.55	1/4	730.46	1/4	372.86	1/4	24.58	1/4		1/4	
1/2	2,510.47	1/2	2,152.87	1/2	1,795.26	1/2	1,437.66	1/2	1,080.11	1/2	723.01	1/2	365.41	1/2	20.85	1/2		1/2	
3/4	2,503.02	3/4	2,145.42	3/4	1,787.81	3/4	1,430.21	3/4	1,072.67	3/4	715.56	3/4	357.96	3/4		3/4		3/4	
4	2,495.57	4	2,137.97	4	1,780.36	4	1,422.76	4	1,065.24	4	708.11	4	350.51	4		4		4	
1/4	2,488.12	1/4	2,130.52	1/4	1,772.91	1/4	1,415.31	1/4	1,057.80	1/4	700.66	1/4	343.06	1/4		1/4		1/4	
1/2	2,480.67	1/2	2,123.07	1/2	1,765.46	1/2	1,407.86	1/2	1,050.36	1/2	693.21	1/2	335.61	1/2		1/2		1/2	
3/4	2,473.22	3/4	2,115.62	3/4	1,758.01	3/4	1,400.41	3/4	1,042.93	3/4	685.76	3/4	328.16	3/4		3/4		3/4	
5	2,465.77	5	2,108.17	5	1,750.56	5	1,392.96	5	1,035.49	5	678.31	5	320.71	5		5		5	
1/4	2,458.32	1/4	2,100.72	1/4	1,743.11	1/4	1,385.51	1/4	1,028.06	1/4	670.86	1/4	313.26	1/4		1/4		1/4	
1/2	2,450.87	1/2	2,093.27	1/2	1,735.66	1/2	1,378.06	1/2	1,020.62	1/2	663.41	1/2	305.81	1/2		1/2		1/2	
3/4	2,443.42	3/4	2,085.82	3/4	1,728.21	3/4	1,370.61	3/4	1,013.19	3/4	655.96	3/4	298.36	3/4		3/4		3/4	
6	2,435.97	6	2,078.37	6	1,720.76	6	1,363.16	6	1,005.75	6	648.51	6	290.91	6		6		6	
1/4	2,428.52	1/4	2,070.92	1/4	1,713.31	1/4	1,355.71	1/4	998.32	1/4	641.06	1/4	283.46	1/4		1/4		1/4	
1/2	2,421.07	1/2	2,063.47	1/2	1,705.86	1/2	1,348.26	1/2	990.88	1/2	633.61	1/2	276.01	1/2		1/2		1/2	
3/4	2,413.62	3/4	2,056.02	3/4	1,698.41	3/4	1,340.81	3/4	983.45	3/4	626.16	3/4	268.56	3/4		3/4		3/4	
7	2,406.17	7	2,048.57	7	1,690.96	7	1,333.36	7	976.01	7	618.71	7	261.11	7		7		7	
1/4	2,398.72	1/4	2,041.12	1/4	1,683.51	1/4	1,325.91	1/4	968.58	1/4	611.26	1/4	253.66	1/4		1/4		1/4	
1/2	2,391.27	1/2	2,033.67	1/2	1,676.06	1/2	1,318.46	1/2	961.14	1/2	603.81	1/2	246.21	1/2		1/2		1/2	
3/4	2,383.82	3/4	2,026.22	3/4	1,668.61	3/4	1,311.01	3/4	953.71	3/4	596.36	3/4	238.76	3/4		3/4		3/4	
8	2,376.37	8	2,018.77	8	1,661.16	8	1,303.56	8	946.27	8	588.91	8	231.31	8		8		8	
1/4	2,368.92	1/4	2,011.32	1/4	1,653.71	1/4	1,296.11	1/4	938.84	1/4	581.46	1/4	223.86	1/4		1/4		1/4	
1/2	2,361.47	1/2	2,003.87	1/2	1,646.26	1/2	1,288.66	1/2	931.41	1/2	574.01	1/2	216.41	1/2		1/2		1/2	
3/4	2,354.02	3/4	1,996.42	3/4	1,638.81	3/4	1,281.21	3/4	923.97	3/4	566.56	3/4	208.96	3/4		3/4		3/4	
9	2,346.57	9	1,988.97	9	1,631.36	9	1,273.76	9	916.54	9	559.11	9	201.51	9		9		9	
1/4	2,339.12	1/4	1,981.52	1/4	1,623.91	1/4	1,266.31	1/4	909.10	1/4	551.66	1/4	194.06	1/4		1/4		1/4	
1/2	2,331.67	1/2	1,974.07	1/2	1,616.46	1/2	1,258.86	1/2	901.67	1/2	544.21	1/2	186.61	1/2		1/2		1/2	
3/4	2,324.22	3/4	1,966.61	3/4	1,609.01	3/4	1,251.41	3/4	894.23	3/4	536.76	3/4	179.16	3/4		3/4		3/4	
10	2,316.77	10	1,959.16	10	1,601.56	10	1,243.96	10	886.80	10	529.31	10	171.71	10		10		10	
1/4	2,309.32	1/4	1,951.71	1/4	1,594.11	1/4	1,236.51	1/4	879.36	1/4	521.86	1/4	164.26	1/4		1/4		1/4	
1/2	2,301.87	1/2	1,944.26	1/2	1,586.66	1/2	1,229.06	1/2	871.93	1/2	514.41	1/2	156.81	1/2		1/2		1/2	
3/4	2,294.42	3/4	1,936.81	3/4	1,579.21	3/4	1,221.60	3/4	864.49	3/4	506.96	3/4	149.36	3/4		3/4		3/4	
11	2,286.97	11	1,929.36	11	1,571.76	11	1,214.15	11	857.06	11	499.51	11	141.91	11		11		11	
1/4	2,279.52	1/4	1,921.91	1/4	1,564.31	1/4	1,206.70	1/4	849.62	1/4	492.06	1/4	134.46	1/4		1/4		1/4	
1/2	2,272.07	1/2	1,914.46	1/2	1,556.86	1/2	1,199.25	1/2	842.18	1/2	484.61	1/2	127.01	1/2		1/2		1/2	
3/4	2,264.62	3/4	1,907.01	3/4	1,549.41	3/4	1,191.80	3/4	834.74	3/4	477.16	3/4	119.56	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/10/2012 CL - SW
RECALCULATED: 12/02/2022 CL
REPRINTED: 12/02/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2022

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



BARGE "HTCO 3091"

FWD SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-07 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	449	0	898	0	1,347	0	1,795	0		0		0		0		0	
1/4	9	1/4	458	1/4	907	1/4	1,356	1/4	1,805	1/4		1/4		1/4		1/4		1/4	
1/2	19	1/2	468	1/2	917	1/2	1,365	1/2	1,814	1/2		1/2		1/2		1/2		1/2	
3/4	28	3/4	477	3/4	926	3/4	1,375	3/4	1,824	3/4		3/4		3/4		3/4		3/4	
1	37	1	486	1	935	1	1,384	1	1,833	1		1		1		1		1	
1/4	47	1/4	496	1/4	945	1/4	1,393	1/4	1,842	1/4		1/4		1/4		1/4		1/4	
1/2	56	1/2	505	1/2	954	1/2	1,403	1/2	1,852	1/2		1/2		1/2		1/2		1/2	
3/4	65	3/4	514	3/4	963	3/4	1,412	3/4	1,861	3/4		3/4		3/4		3/4		3/4	
2	75	2	524	2	973	2	1,421	2	1,870	2		2		2		2		2	
1/4	84	1/4	533	1/4	982	1/4	1,431	1/4	1,880	1/4		1/4		1/4		1/4		1/4	
1/2	94	1/2	542	1/2	991	1/2	1,440	1/2	1,889	1/2		1/2		1/2		1/2		1/2	
3/4	103	3/4	552	3/4	1,001	3/4	1,450	3/4	1,898	3/4		3/4		3/4		3/4		3/4	
3	112	3	561	3	1,010	3	1,459	3	1,908	3		3		3		3		3	
1/4	122	1/4	571	1/4	1,019	1/4	1,468	1/4	1,917	1/4		1/4		1/4		1/4		1/4	
1/2	131	1/2	580	1/2	1,029	1/2	1,478	1/2	1,926	1/2		1/2		1/2		1/2		1/2	
3/4	140	3/4	589	3/4	1,038	3/4	1,487	3/4	1,936	3/4		3/4		3/4		3/4		3/4	
4	150	4	599	4	1,047	4	1,496	4	1,945	4		4		4		4		4	
1/4	159	1/4	608	1/4	1,057	1/4	1,506	1/4	1,954	1/4		1/4		1/4		1/4		1/4	
1/2	168	1/2	617	1/2	1,066	1/2	1,515	1/2	1,964	1/2		1/2		1/2		1/2		1/2	
3/4	178	3/4	627	3/4	1,075	3/4	1,524	3/4	1,973	3/4		3/4		3/4		3/4		3/4	
5	187	5	636	5	1,085	5	1,534	5	1,982	5		5		5		5		5	
1/4	197	1/4	645	1/4	1,094	1/4	1,543	1/4	1,992	1/4		1/4		1/4		1/4		1/4	
1/2	206	1/2	655	1/2	1,104	1/2	1,552	1/2	2,001	1/2		1/2		1/2		1/2		1/2	
3/4	215	3/4	664	3/4	1,113	3/4	1,562	3/4	2,011	3/4		3/4		3/4		3/4		3/4	
6	225	6	673	6	1,122	6	1,571	6	2,020	6		6		6		6		6	
1/4	234	1/4	683	1/4	1,132	1/4	1,580	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	243	1/2	692	1/2	1,141	1/2	1,590	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	253	3/4	701	3/4	1,150	3/4	1,599	3/4		3/4		3/4		3/4		3/4		3/4	
7	262	7	711	7	1,160	7	1,608	7		7		7		7		7		7	
1/4	271	1/4	720	1/4	1,169	1/4	1,618	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	281	1/2	730	1/2	1,178	1/2	1,627	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	290	3/4	739	3/4	1,188	3/4	1,637	3/4		3/4		3/4		3/4		3/4		3/4	
8	299	8	748	8	1,197	8	1,646	8		8		8		8		8		8	
1/4	309	1/4	758	1/4	1,206	1/4	1,655	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	318	1/2	767	1/2	1,216	1/2	1,665	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	327	3/4	776	3/4	1,225	3/4	1,674	3/4		3/4		3/4		3/4		3/4		3/4	
9	337	9	786	9	1,234	9	1,683	9		9		9		9		9		9	
1/4	346	1/4	795	1/4	1,244	1/4	1,693	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	355	1/2	804	1/2	1,253	1/2	1,702	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	365	3/4	814	3/4	1,262	3/4	1,711	3/4		3/4		3/4		3/4		3/4		3/4	
10	374	10	823	10	1,272	10	1,721	10		10		10		10		10		10	
1/4	384	1/4	832	1/4	1,281	1/4	1,730	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	393	1/2	842	1/2	1,291	1/2	1,739	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	402	3/4	851	3/4	1,300	3/4	1,749	3/4		3/4		3/4		3/4		3/4		3/4	
11	412	11	860	11	1,309	11	1,758	11		11		11		11		11		11	
1/4	421	1/4	870	1/4	1,319	1/4	1,767	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	430	1/2	879	1/2	1,328	1/2	1,777	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	440	3/4	888	3/4	1,337	3/4	1,786	3/4		3/4		3/4		3/4		3/4		3/4	

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 AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

STRAPPED: 10/10/2012 CL - SW
RECALCULATED: 12/02/2022 CL
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CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2022

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 3091"

AFT SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-07 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	449	0	898	0	1,347	0	1,795	0		0		0		0		0	
1/4	9	1/4	458	1/4	907	1/4	1,356	1/4	1,805	1/4		1/4		1/4		1/4		1/4	
1/2	19	1/2	468	1/2	917	1/2	1,365	1/2	1,814	1/2		1/2		1/2		1/2		1/2	
3/4	28	3/4	477	3/4	926	3/4	1,375	3/4	1,824	3/4		3/4		3/4		3/4		3/4	
1	37	1	486	1	935	1	1,384	1	1,833	1		1		1		1		1	
1/4	47	1/4	496	1/4	945	1/4	1,393	1/4	1,842	1/4		1/4		1/4		1/4		1/4	
1/2	56	1/2	505	1/2	954	1/2	1,403	1/2	1,852	1/2		1/2		1/2		1/2		1/2	
3/4	65	3/4	514	3/4	963	3/4	1,412	3/4	1,861	3/4		3/4		3/4		3/4		3/4	
2	75	2	524	2	973	2	1,421	2	1,870	2		2		2		2		2	
1/4	84	1/4	533	1/4	982	1/4	1,431	1/4	1,880	1/4		1/4		1/4		1/4		1/4	
1/2	94	1/2	542	1/2	991	1/2	1,440	1/2	1,889	1/2		1/2		1/2		1/2		1/2	
3/4	103	3/4	552	3/4	1,001	3/4	1,450	3/4	1,898	3/4		3/4		3/4		3/4		3/4	
3	112	3	561	3	1,010	3	1,459	3	1,908	3		3		3		3		3	
1/4	122	1/4	571	1/4	1,019	1/4	1,468	1/4	1,917	1/4		1/4		1/4		1/4		1/4	
1/2	131	1/2	580	1/2	1,029	1/2	1,478	1/2	1,926	1/2		1/2		1/2		1/2		1/2	
3/4	140	3/4	589	3/4	1,038	3/4	1,487	3/4	1,936	3/4		3/4		3/4		3/4		3/4	
4	150	4	599	4	1,047	4	1,496	4	1,945	4		4		4		4		4	
1/4	159	1/4	608	1/4	1,057	1/4	1,506	1/4	1,954	1/4		1/4		1/4		1/4		1/4	
1/2	168	1/2	617	1/2	1,066	1/2	1,515	1/2	1,964	1/2		1/2		1/2		1/2		1/2	
3/4	178	3/4	627	3/4	1,075	3/4	1,524	3/4	1,973	3/4		3/4		3/4		3/4		3/4	
5	187	5	636	5	1,085	5	1,534	5	1,982	5		5		5		5		5	
1/4	197	1/4	645	1/4	1,094	1/4	1,543	1/4	1,992	1/4		1/4		1/4		1/4		1/4	
1/2	206	1/2	655	1/2	1,104	1/2	1,552	1/2	2,001	1/2		1/2		1/2		1/2		1/2	
3/4	215	3/4	664	3/4	1,113	3/4	1,562	3/4	2,011	3/4		3/4		3/4		3/4		3/4	
6	225	6	673	6	1,122	6	1,571	6	2,020	6		6		6		6		6	
1/4	234	1/4	683	1/4	1,132	1/4	1,580	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	243	1/2	692	1/2	1,141	1/2	1,590	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	253	3/4	701	3/4	1,150	3/4	1,599	3/4		3/4		3/4		3/4		3/4		3/4	
7	262	7	711	7	1,160	7	1,608	7		7		7		7		7		7	
1/4	271	1/4	720	1/4	1,169	1/4	1,618	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	281	1/2	730	1/2	1,178	1/2	1,627	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	290	3/4	739	3/4	1,188	3/4	1,637	3/4		3/4		3/4		3/4		3/4		3/4	
8	299	8	748	8	1,197	8	1,646	8		8		8		8		8		8	
1/4	309	1/4	758	1/4	1,206	1/4	1,655	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	318	1/2	767	1/2	1,216	1/2	1,665	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	327	3/4	776	3/4	1,225	3/4	1,674	3/4		3/4		3/4		3/4		3/4		3/4	
9	337	9	786	9	1,234	9	1,683	9		9		9		9		9		9	
1/4	346	1/4	795	1/4	1,244	1/4	1,693	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	355	1/2	804	1/2	1,253	1/2	1,702	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	365	3/4	814	3/4	1,262	3/4	1,711	3/4		3/4		3/4		3/4		3/4		3/4	
10	374	10	823	10	1,272	10	1,721	10		10		10		10		10		10	
1/4	384	1/4	832	1/4	1,281	1/4	1,730	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	393	1/2	842	1/2	1,291	1/2	1,739	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	402	3/4	851	3/4	1,300	3/4	1,749	3/4		3/4		3/4		3/4		3/4		3/4	
11	412	11	860	11	1,309	11	1,758	11		11		11		11		11		11	
1/4	421	1/4	870	1/4	1,319	1/4	1,767	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	430	1/2	879	1/2	1,328	1/2	1,777	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	440	3/4	888	3/4	1,337	3/4	1,786	3/4		3/4		3/4		3/4		3/4		3/4	

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 AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

STRAPPED: 10/10/2012 CL - SW
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BARGE "HTCO 3091"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 3'-09"

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	120	0	298	0	456	0		0		0		0		0		0	
1/4	1	1/4	123	1/4	302	1/4	459	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2	1/2	127	1/2	305	1/2	461	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3	3/4	130	3/4	309	3/4	463	3/4		3/4		3/4		3/4		3/4		3/4	
1	3	1	134	1	313	1	466	1		1		1		1		1		1	
1/4	5	1/4	137	1/4	316	1/4	468	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	6	1/2	141	1/2	320	1/2	470	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	8	3/4	144	3/4	324	3/4	472	3/4		3/4		3/4		3/4		3/4		3/4	
2	9	2	148	2	327	2	475	2		2		2		2		2		2	
1/4	11	1/4	152	1/4	331	1/4	477	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	13	1/2	155	1/2	335	1/2	478	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	15	3/4	159	3/4	338	3/4	480	3/4		3/4		3/4		3/4		3/4		3/4	
3	16	3	162	3	342	3	482	3		3		3		3		3		3	
1/4	19	1/4	166	1/4	346	1/4	484	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	21	1/2	170	1/2	349	1/2	485	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	23	3/4	173	3/4	353	3/4	487	3/4		3/4		3/4		3/4		3/4		3/4	
4	25	4	177	4	356	4	488	4		4		4		4		4		4	
1/4	27	1/4	181	1/4	360	1/4	489	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	30	1/2	185	1/2	363	1/2	490	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	32	3/4	188	3/4	367	3/4	491	3/4		3/4		3/4		3/4		3/4		3/4	
5	35	5	192	5	370	5	492	5		5		5		5		5		5	
1/4	37	1/4	196	1/4	374	1/4	493	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	40	1/2	200	1/2	377	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	42	3/4	203	3/4	381	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	45	6	207	6	384	6		6		6		6		6		6		6	
1/4	48	1/4	211	1/4	387	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	51	1/2	215	1/2	391	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	53	3/4	218	3/4	394	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	56	7	222	7	397	7		7		7		7		7		7		7	
1/4	59	1/4	226	1/4	401	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	62	1/2	230	1/2	404	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	65	3/4	234	3/4	407	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	68	8	237	8	410	8		8		8		8		8		8		8	
1/4	71	1/4	241	1/4	413	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	74	1/2	245	1/2	416	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	77	3/4	249	3/4	420	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	80	9	252	9	423	9		9		9		9		9		9		9	
1/4	83	1/4	256	1/4	426	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	87	1/2	260	1/2	429	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	90	3/4	264	3/4	432	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	93	10	268	10	434	10		10		10		10		10		10		10	
1/4	96	1/4	271	1/4	437	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	100	1/2	275	1/2	440	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	103	3/4	279	3/4	443	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	106	11	283	11	446	11		11		11		11		11		11		11	
1/4	110	1/4	287	1/4	448	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113	1/2	290	1/2	451	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	116	3/4	294	3/4	454	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

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 AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 8" DIAMETER HATCH.

STRAPPED: 10/10/2012 CL - SW
RECALCULATED: 12/02/2022 CL
REPRINTED: 12/02/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2022

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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