



BARGE "HTCO 3094"

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

(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 3'-11 3/4"

LENGTH BETWEEN DRAFT MARKS: 237'-09"

April 18, 2023

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

<http://www.pmacorp.net>





BARGE "HTCO 3094"

1 PORT ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 17'-03 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,687.63	0	4,330.81	0	3,972.74	0	3,614.64	0	3,256.53	0	2,898.40
1/4		1/4		1/4		1/4		1/4	4,680.23	1/4	4,323.36	1/4	3,965.28	1/4	3,607.18	1/4	3,249.07	1/4	2,890.94
1/2		1/2		1/2		1/2		1/2	4,672.84	1/2	4,315.91	1/2	3,957.82	1/2	3,599.72	1/2	3,241.61	1/2	2,883.47
3/4		3/4		3/4		3/4		3/4	5,008.98	3/4	4,665.44	3/4	4,308.46	3/4	3,950.36	3/4	3,592.26	3/4	3,234.15
1		1		1		1		1	5,004.24	1	4,658.04	1	4,301.00	1	3,942.90	1	3,584.80	1	3,226.69
1/4		1/4		1/4		1/4		1/4	4,998.44	1/4	4,650.62	1/4	4,293.54	1/4	3,935.44	1/4	3,577.33	1/4	3,219.23
1/2		1/2		1/2		1/2		1/2	4,992.63	1/2	4,643.20	1/2	4,286.08	1/2	3,927.98	1/2	3,569.87	1/2	3,211.77
3/4		3/4		3/4		3/4		3/4	4,986.83	3/4	4,635.78	3/4	4,278.62	3/4	3,920.52	3/4	3,562.41	3/4	3,204.31
2		2		2		2		2	4,981.02	2	4,628.36	2	4,271.16	2	3,913.06	2	3,554.95	2	3,196.85
1/4		1/4		1/4		1/4		1/4	4,974.22	1/4	4,620.92	1/4	4,263.70	1/4	3,905.60	1/4	3,547.49	1/4	3,189.39
1/2		1/2		1/2		1/2		1/2	4,967.42	1/2	4,613.48	1/2	4,256.24	1/2	3,898.14	1/2	3,540.03	1/2	3,181.93
3/4		3/4		3/4		3/4		3/4	4,960.61	3/4	4,606.05	3/4	4,248.78	3/4	3,890.68	3/4	3,532.57	3/4	3,174.47
3		3		3		3		3	4,953.81	3	4,598.61	3	4,241.32	3	3,883.22	3	3,525.11	3	3,167.01
1/4		1/4		1/4		1/4		1/4	4,946.47	1/4	4,591.17	1/4	4,233.86	1/4	3,875.75	1/4	3,517.65	1/4	3,159.55
1/2		1/2		1/2		1/2		1/2	4,939.13	1/2	4,583.73	1/2	4,226.40	1/2	3,868.29	1/2	3,510.19	1/2	3,152.09
3/4		3/4		3/4		3/4		3/4	4,931.80	3/4	4,576.29	3/4	4,218.94	3/4	3,860.83	3/4	3,502.73	3/4	3,144.63
4		4		4		4		4	4,924.46	4	4,568.85	4	4,211.48	4	3,853.37	4	3,495.27	4	3,137.17
1/4		1/4		1/4		1/4		1/4	4,917.06	1/4	4,561.41	1/4	4,204.02	1/4	3,845.91	1/4	3,487.81	1/4	3,129.70
1/2		1/2		1/2		1/2		1/2	4,909.65	1/2	4,553.97	1/2	4,196.56	1/2	3,838.45	1/2	3,480.35	1/2	3,122.24
3/4		3/4		3/4		3/4		3/4	4,902.25	3/4	4,546.54	3/4	4,189.10	3/4	3,830.99	3/4	3,472.89	3/4	3,114.78
5		5		5		5		5	4,894.85	5	4,539.10	5	4,181.64	5	3,823.53	5	3,465.43	5	3,107.32
1/4		1/4		1/4		1/4		1/4	4,887.44	1/4	4,531.66	1/4	4,174.17	1/4	3,816.07	1/4	3,457.97	1/4	3,099.86
1/2		1/2		1/2		1/2		1/2	4,880.04	1/2	4,524.22	1/2	4,166.71	1/2	3,808.61	1/2	3,450.51	1/2	3,092.40
3/4		3/4		3/4		3/4		3/4	4,872.64	3/4	4,516.78	3/4	4,159.25	3/4	3,801.15	3/4	3,443.05	3/4	3,084.94
6		6		6		6		6	4,865.23	6	4,509.34	6	4,151.79	6	3,793.69	6	3,435.59	6	3,077.48
1/4		1/4		1/4		1/4		1/4	4,857.83	1/4	4,501.90	1/4	4,144.33	1/4	3,786.23	1/4	3,428.12	1/4	3,070.02
1/2		1/2		1/2		1/2		1/2	4,850.43	1/2	4,494.46	1/2	4,136.87	1/2	3,778.77	1/2	3,420.66	1/2	3,062.56
3/4		3/4		3/4		3/4		3/4	4,843.03	3/4	4,487.03	3/4	4,129.41	3/4	3,771.31	3/4	3,413.20	3/4	3,055.10
7		7		7		7		7	4,835.62	7	4,479.59	7	4,121.95	7	3,763.85	7	3,405.74	7	3,047.64
1/4		1/4		1/4		1/4		1/4	4,828.22	1/4	4,472.15	1/4	4,114.49	1/4	3,756.39	1/4	3,398.28	1/4	3,040.18
1/2		1/2		1/2		1/2		1/2	4,820.82	1/2	4,464.71	1/2	4,107.03	1/2	3,748.93	1/2	3,390.82	1/2	3,032.72
3/4		3/4		3/4		3/4		3/4	4,813.42	3/4	4,457.27	3/4	4,099.57	3/4	3,741.47	3/4	3,383.36	3/4	3,025.26
8		8		8		8		8	4,806.02	8	4,449.83	8	4,092.11	8	3,734.01	8	3,375.90	8	3,017.80
1/4		1/4		1/4		1/4		1/4	4,798.62	1/4	4,442.39	1/4	4,084.65	1/4	3,726.54	1/4	3,368.44	1/4	3,010.34
1/2		1/2		1/2		1/2		1/2	4,791.22	1/2	4,434.95	1/2	4,077.19	1/2	3,719.08	1/2	3,360.98	1/2	3,002.88
3/4		3/4		3/4		3/4		3/4	4,783.82	3/4	4,427.51	3/4	4,069.73	3/4	3,711.62	3/4	3,353.52	3/4	2,995.42
9		9		9		9		9	4,776.42	9	4,420.08	9	4,062.27	9	3,704.16	9	3,346.06	9	2,987.96
1/4		1/4		1/4		1/4		1/4	4,769.02	1/4	4,412.64	1/4	4,054.81	1/4	3,696.70	1/4	3,338.60	1/4	2,980.49
1/2		1/2		1/2		1/2		1/2	4,761.62	1/2	4,405.20	1/2	4,047.35	1/2	3,689.24	1/2	3,331.14	1/2	2,973.03
3/4		3/4		3/4		3/4		3/4	4,754.22	3/4	4,397.76	3/4	4,039.89	3/4	3,681.78	3/4	3,323.68	3/4	2,965.57
10		10		10		10		10	4,746.83	10	4,390.32	10	4,032.43	10	3,674.32	10	3,316.22	10	2,958.11
1/4		1/4		1/4		1/4		1/4	4,739.43	1/4	4,382.88	1/4	4,024.96	1/4	3,666.86	1/4	3,308.76	1/4	2,950.65
1/2		1/2		1/2		1/2		1/2	4,732.03	1/2	4,375.44	1/2	4,017.50	1/2	3,659.40	1/2	3,301.30	1/2	2,943.19
3/4		3/4		3/4		3/4		3/4	4,724.63	3/4	4,368.00	3/4	4,010.04	3/4	3,651.94	3/4	3,293.84	3/4	2,935.73
11		11		11		11		11	4,717.23	11	4,360.57	11	4,002.58	11	3,644.48	11	3,286.38	11	2,928.27
1/4		1/4		1/4		1/4		1/4	4,709.83	1/4	4,353.13	1/4	3,995.12	1/4	3,637.02	1/4	3,278.91	1/4	2,920.80
1/2		1/2		1/2		1/2		1/2	4,702.43	1/2	4,345.69	1/2	3,987.66	1/2	3,629.56	1/2	3,271.45	1/2	2,913.34
3/4		3/4		3/4		3/4		3/4	4,695.03	3/4	4,338.25	3/4	3,980.20	3/4	3,622.10	3/4	3,263.99	3/4	2,905.87

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" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-07" OFF CENTERLINE AND 46'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "HTCO 3094"

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	2,540.11	0	2,181.81	0	1,823.52	0	1,465.22	0	1,106.98	0	750.84	0	397.56	0	83.40	0		0	
1/4	2,532.64	1/4	2,174.35	1/4	1,816.05	1/4	1,457.76	1/4	1,099.55	1/4	743.38	1/4	390.59	1/4	77.37	1/4		1/4	
1/2	2,525.18	1/2	2,166.88	1/2	1,808.59	1/2	1,450.29	1/2	1,092.11	1/2	735.91	1/2	383.61	1/2	71.34	1/2		1/2	
3/4	2,517.71	3/4	2,159.42	3/4	1,801.12	3/4	1,442.83	3/4	1,084.68	3/4	728.45	3/4	376.64	3/4	65.31	3/4		3/4	
1	2,510.25	1	2,151.95	1	1,793.66	1	1,435.36	1	1,077.24	1	720.98	1	369.66	1	59.28	1		1	
1/4	2,502.79	1/4	2,144.49	1/4	1,786.19	1/4	1,427.90	1/4	1,069.81	1/4	713.52	1/4	362.76	1/4	53.80	1/4		1/4	
1/2	2,495.32	1/2	2,137.02	1/2	1,778.73	1/2	1,420.43	1/2	1,062.39	1/2	706.06	1/2	355.86	1/2	48.31	1/2		1/2	
3/4	2,487.86	3/4	2,129.56	3/4	1,771.26	3/4	1,412.97	3/4	1,054.96	3/4	698.59	3/4	348.96	3/4	42.83	3/4		3/4	
2	2,480.39	2	2,122.10	2	1,763.80	2	1,405.50	2	1,047.53	2	691.13	2	342.06	2	37.35	2		2	
1/4	2,472.93	1/4	2,114.63	1/4	1,756.34	1/4	1,398.04	1/4	1,040.11	1/4	683.66	1/4	335.24	1/4	33.35	1/4		1/4	
1/2	2,465.46	1/2	2,107.17	1/2	1,748.87	1/2	1,390.57	1/2	1,032.69	1/2	676.20	1/2	328.41	1/2	29.35	1/2		1/2	
3/4	2,458.00	3/4	2,099.70	3/4	1,741.41	3/4	1,383.11	3/4	1,025.27	3/4	668.73	3/4	321.59	3/4	25.35	3/4		3/4	
3	2,450.53	3	2,092.24	3	1,733.94	3	1,375.65	3	1,017.85	3	661.27	3	314.76	3	21.35	3		3	
1/4	2,443.07	1/4	2,084.77	1/4	1,726.48	1/4	1,368.18	1/4	1,010.43	1/4	653.81	1/4	308.01	1/4	18.44	1/4		1/4	
1/2	2,435.60	1/2	2,077.31	1/2	1,719.01	1/2	1,360.72	1/2	1,003.01	1/2	646.34	1/2	301.27	1/2		1/2		1/2	
3/4	2,428.14	3/4	2,069.84	3/4	1,711.55	3/4	1,353.25	3/4	995.60	3/4	638.88	3/4	294.52	3/4		3/4		3/4	
4	2,420.68	4	2,062.38	4	1,704.08	4	1,345.79	4	988.18	4	631.41	4	287.78	4		4		4	
1/4	2,413.21	1/4	2,054.92	1/4	1,696.62	1/4	1,338.32	1/4	980.77	1/4	623.95	1/4	281.11	1/4		1/4		1/4	
1/2	2,405.75	1/2	2,047.45	1/2	1,689.15	1/2	1,330.86	1/2	973.35	1/2	616.48	1/2	274.45	1/2		1/2		1/2	
3/4	2,398.28	3/4	2,039.99	3/4	1,681.69	3/4	1,323.39	3/4	965.94	3/4	609.02	3/4	267.78	3/4		3/4		3/4	
5	2,390.82	5	2,032.52	5	1,674.23	5	1,315.93	5	958.52	5	601.56	5	261.12	5		5		5	
1/4	2,383.35	1/4	2,025.06	1/4	1,666.76	1/4	1,308.47	1/4	951.11	1/4	594.09	1/4	254.53	1/4		1/4		1/4	
1/2	2,375.89	1/2	2,017.59	1/2	1,659.30	1/2	1,301.00	1/2	943.70	1/2	586.63	1/2	247.95	1/2		1/2		1/2	
3/4	2,368.42	3/4	2,010.13	3/4	1,651.83	3/4	1,293.54	3/4	936.28	3/4	579.16	3/4	241.36	3/4		3/4		3/4	
6	2,360.96	6	2,002.66	6	1,644.37	6	1,286.07	6	928.87	6	571.70	6	234.78	6		6		6	
1/4	2,353.50	1/4	1,995.20	1/4	1,636.90	1/4	1,278.61	1/4	921.46	1/4	564.26	1/4	228.28	1/4		1/4		1/4	
1/2	2,346.03	1/2	1,987.73	1/2	1,629.44	1/2	1,271.14	1/2	914.04	1/2	556.81	1/2	221.77	1/2		1/2		1/2	
3/4	2,338.57	3/4	1,980.27	3/4	1,621.97	3/4	1,263.68	3/4	906.63	3/4	549.37	3/4	215.27	3/4		3/4		3/4	
7	2,331.10	7	1,972.81	7	1,614.51	7	1,256.21	7	899.22	7	541.93	7	208.77	7		7		7	
1/4	2,323.64	1/4	1,965.34	1/4	1,607.05	1/4	1,248.75	1/4	891.80	1/4	534.55	1/4	202.35	1/4		1/4		1/4	
1/2	2,316.17	1/2	1,957.88	1/2	1,599.58	1/2	1,241.28	1/2	884.39	1/2	527.17	1/2	195.93	1/2		1/2		1/2	
3/4	2,308.71	3/4	1,950.41	3/4	1,592.12	3/4	1,233.82	3/4	876.97	3/4	519.79	3/4	189.51	3/4		3/4		3/4	
8	2,301.24	8	1,942.95	8	1,584.65	8	1,226.36	8	869.56	8	512.41	8	183.09	8		8		8	
1/4	2,293.78	1/4	1,935.48	1/4	1,577.19	1/4	1,218.89	1/4	862.15	1/4	505.11	1/4	176.74	1/4		1/4		1/4	
1/2	2,286.31	1/2	1,928.02	1/2	1,569.72	1/2	1,211.43	1/2	854.73	1/2	497.81	1/2	170.40	1/2		1/2		1/2	
3/4	2,278.85	3/4	1,920.55	3/4	1,562.26	3/4	1,203.96	3/4	847.32	3/4	490.51	3/4	164.05	3/4		3/4		3/4	
9	2,271.39	9	1,913.09	9	1,554.79	9	1,196.50	9	839.91	9	483.21	9	157.70	9		9		9	
1/4	2,263.92	1/4	1,905.63	1/4	1,547.33	1/4	1,189.03	1/4	832.49	1/4	475.99	1/4	151.43	1/4		1/4		1/4	
1/2	2,256.46	1/2	1,898.16	1/2	1,539.86	1/2	1,181.57	1/2	825.08	1/2	468.77	1/2	145.16	1/2		1/2		1/2	
3/4	2,248.99	3/4	1,890.70	3/4	1,532.40	3/4	1,174.10	3/4	817.67	3/4	461.55	3/4	138.89	3/4		3/4		3/4	
10	2,241.53	10	1,883.23	10	1,524.94	10	1,166.64	10	810.25	10	454.34	10	132.61	10		10		10	
1/4	2,234.06	1/4	1,875.77	1/4	1,517.47	1/4	1,159.18	1/4	802.84	1/4	447.20	1/4	126.42	1/4		1/4		1/4	
1/2	2,226.60	1/2	1,868.30	1/2	1,510.01	1/2	1,151.71	1/2	795.43	1/2	440.06	1/2	120.23	1/2		1/2		1/2	
3/4	2,219.13	3/4	1,860.84	3/4	1,502.54	3/4	1,144.25	3/4	788.01	3/4	432.92	3/4	114.04	3/4		3/4		3/4	
11	2,211.67	11	1,853.37	11	1,495.08	11	1,136.78	11	780.60	11	425.78	11	107.85	11		11		11	
1/4	2,204.21	1/4	1,845.91	1/4	1,487.61	1/4	1,129.33	1/4	773.16	1/4	418.73	1/4	101.73	1/4		1/4		1/4	
1/2	2,196.74	1/2	1,838.44	1/2	1,480.15	1/2	1,121.88	1/2	765.72	1/2	411.67	1/2	95.62	1/2		1/2		1/2	
3/4	2,189.28	3/4	1,830.98	3/4	1,472.68	3/4	1,114.43	3/4	758.28	3/4	404.62	3/4	89.51	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2013 CL - SW
RECALCULATED: 05/09/2018 CL
VERIFIED: 04/18/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2023

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



BARGE "HTCO 3094"

1 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-02 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	2,526.91	0	2,168.61	0	1,810.31	0	1,452.02	0	1,093.72	0	735.93	0	383.68	0	71.36	0		0	
1/4	2,519.44	1/4	2,161.15	1/4	1,802.85	1/4	1,444.55	1/4	1,086.26	1/4	728.46	1/4	376.71	1/4	65.33	1/4		1/4	
1/2	2,511.98	1/2	2,153.68	1/2	1,795.39	1/2	1,437.09	1/2	1,078.79	1/2	721.00	1/2	369.73	1/2	59.30	1/2		1/2	
3/4	2,504.51	3/4	2,146.22	3/4	1,787.92	3/4	1,429.63	3/4	1,071.33	3/4	713.53	3/4	362.83	3/4	53.81	3/4		3/4	
1	2,497.05	1	2,138.75	1	1,780.46	1	1,422.16	1	1,063.87	1	706.07	1	355.93	1	48.33	1		1	
1/4	2,489.58	1/4	2,131.29	1/4	1,772.99	1/4	1,414.70	1/4	1,056.41	1/4	698.61	1/4	349.03	1/4	42.84	1/4		1/4	
1/2	2,482.12	1/2	2,123.82	1/2	1,765.53	1/2	1,407.23	1/2	1,048.95	1/2	691.14	1/2	342.13	1/2	37.36	1/2		1/2	
3/4	2,474.66	3/4	2,116.36	3/4	1,758.06	3/4	1,399.77	3/4	1,041.49	3/4	683.68	3/4	335.30	3/4	33.36	3/4		3/4	
2	2,467.19	2	2,108.89	2	1,750.60	2	1,392.30	2	1,034.03	2	676.21	2	328.48	2	29.36	2		2	
1/4	2,459.73	1/4	2,101.43	1/4	1,743.13	1/4	1,384.84	1/4	1,026.58	1/4	668.75	1/4	321.65	1/4	25.35	1/4		1/4	
1/2	2,452.26	1/2	2,093.97	1/2	1,735.67	1/2	1,377.37	1/2	1,019.12	1/2	661.28	1/2	314.82	1/2	21.35	1/2		1/2	
3/4	2,444.80	3/4	2,086.50	3/4	1,728.21	3/4	1,369.91	3/4	1,011.66	3/4	653.82	3/4	308.08	3/4	18.44	3/4		3/4	
3	2,437.33	3	2,079.04	3	1,720.74	3	1,362.44	3	1,004.21	3	646.36	3	301.33	3		3		3	
1/4	2,429.87	1/4	2,071.57	1/4	1,713.28	1/4	1,354.98	1/4	996.76	1/4	638.89	1/4	294.58	1/4		1/4		1/4	
1/2	2,422.40	1/2	2,064.11	1/2	1,705.81	1/2	1,347.52	1/2	989.30	1/2	631.43	1/2	287.84	1/2		1/2		1/2	
3/4	2,414.94	3/4	2,056.64	3/4	1,698.35	3/4	1,340.05	3/4	981.85	3/4	623.96	3/4	281.17	3/4		3/4		3/4	
4	2,407.47	4	2,049.18	4	1,690.88	4	1,332.59	4	974.40	4	616.50	4	274.50	4		4		4	
1/4	2,400.01	1/4	2,041.71	1/4	1,683.42	1/4	1,325.12	1/4	966.95	1/4	609.03	1/4	267.84	1/4		1/4		1/4	
1/2	2,392.55	1/2	2,034.25	1/2	1,675.95	1/2	1,317.66	1/2	959.50	1/2	601.57	1/2	261.17	1/2		1/2		1/2	
3/4	2,385.08	3/4	2,026.79	3/4	1,668.49	3/4	1,310.19	3/4	952.05	3/4	594.11	3/4	254.59	3/4		3/4		3/4	
5	2,377.62	5	2,019.32	5	1,661.02	5	1,302.73	5	944.60	5	586.64	5	248.00	5		5		5	
1/4	2,370.15	1/4	2,011.86	1/4	1,653.56	1/4	1,295.26	1/4	937.15	1/4	579.18	1/4	241.42	1/4		1/4		1/4	
1/2	2,362.69	1/2	2,004.39	1/2	1,646.10	1/2	1,287.80	1/2	929.70	1/2	571.71	1/2	234.83	1/2		1/2		1/2	
3/4	2,355.22	3/4	1,996.93	3/4	1,638.63	3/4	1,280.34	3/4	922.25	3/4	564.27	3/4	228.33	3/4		3/4		3/4	
6	2,347.76	6	1,989.46	6	1,631.17	6	1,272.87	6	914.80	6	556.84	6	221.83	6		6		6	
1/4	2,340.29	1/4	1,982.00	1/4	1,623.70	1/4	1,265.41	1/4	907.34	1/4	549.40	1/4	215.32	1/4		1/4		1/4	
1/2	2,332.83	1/2	1,974.53	1/2	1,616.24	1/2	1,257.94	1/2	899.89	1/2	541.96	1/2	208.82	1/2		1/2		1/2	
3/4	2,325.37	3/4	1,967.07	3/4	1,608.77	3/4	1,250.48	3/4	892.44	3/4	534.59	3/4	202.40	3/4		3/4		3/4	
7	2,317.90	7	1,959.60	7	1,601.31	7	1,243.01	7	884.99	7	527.22	7	195.98	7		7		7	
1/4	2,310.44	1/4	1,952.14	1/4	1,593.84	1/4	1,235.55	1/4	877.54	1/4	519.84	1/4	189.55	1/4		1/4		1/4	
1/2	2,302.97	1/2	1,944.68	1/2	1,586.38	1/2	1,228.08	1/2	870.09	1/2	512.47	1/2	183.13	1/2		1/2		1/2	
3/4	2,295.51	3/4	1,937.21	3/4	1,578.92	3/4	1,220.62	3/4	862.64	3/4	505.17	3/4	176.79	3/4		3/4		3/4	
8	2,288.04	8	1,929.75	8	1,571.45	8	1,213.15	8	855.19	8	497.88	8	170.44	8		8		8	
1/4	2,280.58	1/4	1,922.28	1/4	1,563.99	1/4	1,205.69	1/4	847.74	1/4	490.58	1/4	164.09	1/4		1/4		1/4	
1/2	2,273.11	1/2	1,914.82	1/2	1,556.52	1/2	1,198.23	1/2	840.29	1/2	483.29	1/2	157.74	1/2		1/2		1/2	
3/4	2,265.65	3/4	1,907.35	3/4	1,549.06	3/4	1,190.76	3/4	832.84	3/4	476.07	3/4	151.47	3/4		3/4		3/4	
9	2,258.18	9	1,899.89	9	1,541.59	9	1,183.30	9	825.39	9	468.85	9	145.20	9		9		9	
1/4	2,250.72	1/4	1,892.42	1/4	1,534.13	1/4	1,175.83	1/4	817.94	1/4	461.63	1/4	138.92	1/4		1/4		1/4	
1/2	2,243.26	1/2	1,884.96	1/2	1,526.66	1/2	1,168.37	1/2	810.49	1/2	454.41	1/2	132.65	1/2		1/2		1/2	
3/4	2,235.79	3/4	1,877.50	3/4	1,519.20	3/4	1,160.90	3/4	803.04	3/4	447.27	3/4	126.46	3/4		3/4		3/4	
10	2,228.33	10	1,870.03	10	1,511.73	10	1,153.44	10	795.59	10	440.13	10	120.26	10		10		10	
1/4	2,220.86	1/4	1,862.57	1/4	1,504.27	1/4	1,145.97	1/4	788.13	1/4	433.00	1/4	114.07	1/4		1/4		1/4	
1/2	2,213.40	1/2	1,855.10	1/2	1,496.81	1/2	1,138.51	1/2	780.68	1/2	425.86	1/2	107.87	1/2		1/2		1/2	
3/4	2,205.93	3/4	1,847.64	3/4	1,489.34	3/4	1,131.05	3/4	773.23	3/4	418.80	3/4	101.76	3/4		3/4		3/4	
11	2,198.47	11	1,840.17	11	1,481.88	11	1,123.58	11	765.77	11	411.74	11	95.65	11		11		11	
1/4	2,191.00	1/4	1,832.71	1/4	1,474.41	1/4	1,116.12	1/4	758.31	1/4	404.69	1/4	89.54	1/4		1/4		1/4	
1/2	2,183.54	1/2	1,825.24	1/2	1,466.95	1/2	1,108.65	1/2	750.86	1/2	397.63	1/2	83.42	1/2		1/2		1/2	
3/4	2,176.08	3/4	1,817.78	3/4	1,459.48	3/4	1,101.19	3/4	743.39	3/4	390.66	3/4	77.39	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2013 CL - SW
RECALCULATED: 05/09/2018 CL
VERIFIED: 04/18/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "HTCO 3094"

2 PORT ULLAGE TABLE HERMETIC

GAUGE HEIGHT 17'-03 3/4"

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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0		0	4,774.24	0	4,416.49	0	4,057.47	0	3,698.37	0	3,339.26	0	2,980.16

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" CLOSED GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 12'-07" OFF CENTERLINE AND 46'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "HTCO 3094"

2 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	2,620.87	0	2,261.56	0	1,902.26	0	1,542.95	0	1,183.93	0	838.40	0	479.42	0	120.13	0		0	
1/4	2,613.38	1/4	2,254.08	1/4	1,894.77	1/4	1,535.47	1/4	1,176.59	1/4	831.07	1/4	471.93	1/4	112.64	1/4		1/4	
1/2	2,605.89	1/2	2,246.59	1/2	1,887.29	1/2	1,527.98	1/2	1,169.24	1/2	823.74	1/2	464.45	1/2	105.16	1/2		1/2	
3/4	2,598.41	3/4	2,239.11	3/4	1,879.80	3/4	1,520.50	3/4	1,162.04	3/4	816.25	3/4	456.96	3/4	97.67	3/4		3/4	
1	2,590.92	1	2,231.62	1	1,872.32	1	1,513.01	1	1,154.84	1	808.77	1	449.48	1	90.19	1		1	
1/4	2,583.44	1/4	2,224.13	1/4	1,864.83	1/4	1,505.53	1/4	1,147.64	1/4	801.28	1/4	441.99	1/4	82.70	1/4		1/4	
1/2	2,575.95	1/2	2,216.65	1/2	1,857.34	1/2	1,498.04	1/2	1,140.43	1/2	793.80	1/2	434.51	1/2	75.22	1/2		1/2	
3/4	2,568.47	3/4	2,209.16	3/4	1,849.86	3/4	1,490.56	3/4	1,133.24	3/4	786.31	3/4	427.02	3/4	68.20	3/4		3/4	
2	2,560.98	2	2,201.68	2	1,842.37	2	1,483.07	2	1,126.04	2	778.83	2	419.54	2	61.18	2		2	
1/4	2,553.50	1/4	2,194.19	1/4	1,834.89	1/4	1,475.58	1/4	1,118.85	1/4	771.34	1/4	412.05	1/4	54.16	1/4		1/4	
1/2	2,546.01	1/2	2,186.71	1/2	1,827.40	1/2	1,468.10	1/2	1,111.65	1/2	763.86	1/2	404.57	1/2	47.15	1/2		1/2	
3/4	2,538.53	3/4	2,179.22	3/4	1,819.92	3/4	1,460.61	3/4	1,104.46	3/4	756.37	3/4	397.08	3/4	41.53	3/4		3/4	
3	2,531.04	3	2,171.74	3	1,812.43	3	1,453.13	3	1,097.27	3	748.89	3	389.60	3	35.92	3		3	
1/4	2,523.55	1/4	2,164.25	1/4	1,804.95	1/4	1,445.64	1/4	1,090.08	1/4	741.40	1/4	382.11	1/4	30.31	1/4		1/4	
1/2	2,516.07	1/2	2,156.76	1/2	1,797.46	1/2	1,438.16	1/2	1,082.89	1/2	733.91	1/2	374.63	1/2	24.69	1/2		1/2	
3/4	2,508.58	3/4	2,149.28	3/4	1,789.98	3/4	1,430.67	3/4	1,075.71	3/4	726.43	3/4	367.14	3/4	20.95	3/4		3/4	
4	2,501.10	4	2,141.79	4	1,782.49	4	1,423.19	4	1,068.52	4	718.94	4	359.65	4		4		4	
1/4	2,493.61	1/4	2,134.31	1/4	1,775.00	1/4	1,415.70	1/4	1,061.34	1/4	711.46	1/4	352.17	1/4		1/4		1/4	
1/2	2,486.13	1/2	2,126.82	1/2	1,767.52	1/2	1,408.21	1/2	1,054.15	1/2	703.97	1/2	344.68	1/2		1/2		1/2	
3/4	2,478.64	3/4	2,119.34	3/4	1,760.03	3/4	1,400.73	3/4	1,046.97	3/4	696.49	3/4	337.20	3/4		3/4		3/4	
5	2,471.16	5	2,111.85	5	1,752.55	5	1,393.24	5	1,039.79	5	689.00	5	329.71	5		5		5	
1/4	2,463.67	1/4	2,104.37	1/4	1,745.06	1/4	1,385.76	1/4	1,032.61	1/4	681.52	1/4	322.23	1/4		1/4		1/4	
1/2	2,456.18	1/2	2,096.88	1/2	1,737.58	1/2	1,378.27	1/2	1,025.43	1/2	674.03	1/2	314.74	1/2		1/2		1/2	
3/4	2,448.70	3/4	2,089.40	3/4	1,730.09	3/4	1,370.79	3/4	1,018.25	3/4	666.55	3/4	307.26	3/4		3/4		3/4	
6	2,441.21	6	2,081.91	6	1,722.61	6	1,363.30	6	1,011.06	6	659.06	6	299.77	6		6		6	
1/4	2,433.73	1/4	2,074.42	1/4	1,715.12	1/4	1,355.82	1/4	1,003.88	1/4	651.58	1/4	292.29	1/4		1/4		1/4	
1/2	2,426.24	1/2	2,066.94	1/2	1,707.63	1/2	1,348.33	1/2	996.70	1/2	644.09	1/2	284.80	1/2		1/2		1/2	
3/4	2,418.76	3/4	2,059.45	3/4	1,700.15	3/4	1,340.85	3/4	989.52	3/4	636.61	3/4	277.32	3/4		3/4		3/4	
7	2,411.27	7	2,051.97	7	1,692.66	7	1,333.36	7	982.34	7	629.12	7	269.83	7		7		7	
1/4	2,403.79	1/4	2,044.48	1/4	1,685.18	1/4	1,325.87	1/4	975.16	1/4	621.64	1/4	262.35	1/4		1/4		1/4	
1/2	2,396.30	1/2	2,037.00	1/2	1,677.69	1/2	1,318.39	1/2	967.97	1/2	614.15	1/2	254.86	1/2		1/2		1/2	
3/4	2,388.82	3/4	2,029.51	3/4	1,670.21	3/4	1,310.90	3/4	960.79	3/4	606.67	3/4	247.38	3/4		3/4		3/4	
8	2,381.33	8	2,022.03	8	1,662.72	8	1,303.42	8	953.61	8	599.18	8	239.89	8		8		8	
1/4	2,373.84	1/4	2,014.54	1/4	1,655.24	1/4	1,295.93	1/4	946.43	1/4	591.70	1/4	232.41	1/4		1/4		1/4	
1/2	2,366.36	1/2	2,007.05	1/2	1,647.75	1/2	1,288.45	1/2	939.25	1/2	584.21	1/2	224.92	1/2		1/2		1/2	
3/4	2,358.87	3/4	1,999.57	3/4	1,640.27	3/4	1,280.96	3/4	932.07	3/4	576.73	3/4	217.44	3/4		3/4		3/4	
9	2,351.39	9	1,992.08	9	1,632.78	9	1,273.48	9	924.89	9	569.24	9	209.95	9		9		9	
1/4	2,343.90	1/4	1,984.60	1/4	1,625.29	1/4	1,265.99	1/4	917.70	1/4	561.76	1/4	202.47	1/4		1/4		1/4	
1/2	2,336.42	1/2	1,977.11	1/2	1,617.81	1/2	1,258.50	1/2	910.52	1/2	554.27	1/2	194.98	1/2		1/2		1/2	
3/4	2,328.93	3/4	1,969.63	3/4	1,610.32	3/4	1,251.02	3/4	903.34	3/4	546.78	3/4	187.50	3/4		3/4		3/4	
10	2,321.45	10	1,962.14	10	1,602.84	10	1,243.53	10	896.16	10	539.30	10	180.01	10		10		10	
1/4	2,313.96	1/4	1,954.66	1/4	1,595.35	1/4	1,236.05	1/4	888.98	1/4	531.81	1/4	172.52	1/4		1/4		1/4	
1/2	2,306.47	1/2	1,947.17	1/2	1,587.87	1/2	1,228.56	1/2	881.80	1/2	524.33	1/2	165.04	1/2		1/2		1/2	
3/4	2,298.99	3/4	1,939.69	3/4	1,580.38	3/4	1,221.08	3/4	874.62	3/4	516.84	3/4	157.55	3/4		3/4		3/4	
11	2,291.50	11	1,932.20	11	1,572.90	11	1,213.59	11	867.43	11	509.36	11	150.07	11		11		11	
1/4	2,284.02	1/4	1,924.71	1/4	1,565.41	1/4	1,206.11	1/4	860.25	1/4	501.87	1/4	142.58	1/4		1/4		1/4	
1/2	2,276.53	1/2	1,917.23	1/2	1,557.92	1/2	1,198.62	1/2	853.07	1/2	494.39	1/2	135.10	1/2		1/2		1/2	
3/4	2,269.05	3/4	1,909.74	3/4	1,550.44	3/4	1,191.28	3/4	845.74	3/4	486.90	3/4	127.61	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2013 CL - SW
RECALCULATED: 05/09/2018 CL
VERIFIED: 04/18/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2023

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



BARGE "HTCO 3094"

2 STBD ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 17'-03 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,773.30	0	4,415.47	0	4,056.41	0	3,697.30	0	3,338.19	0	2,979.07
1/4		1/4		1/4		1/4		1/4	4,765.88	1/4	4,408.00	1/4	4,048.93	1/4	3,689.82	1/4	3,330.71	1/4	2,971.59
1/2		1/2		1/2		1/2		1/2	4,758.46	1/2	4,400.53	1/2	4,041.45	1/2	3,682.34	1/2	3,323.23	1/2	2,964.10
3/4		3/4		3/4		3/4		3/4	5,095.54	3/4	4,751.04	3/4	4,393.06	3/4	4,033.97	3/4	3,674.86	3/4	3,315.75
1		1		1		1		1	5,090.79	1	4,743.62	1	4,385.59	1	4,026.48	1	3,667.38	1	3,308.27
1/4		1/4		1/4		1/4		1/4	5,084.97	1/4	4,736.18	1/4	4,378.11	1/4	4,019.00	1/4	3,659.90	1/4	3,300.79
1/2		1/2		1/2		1/2		1/2	5,079.15	1/2	4,728.74	1/2	4,370.63	1/2	4,011.52	1/2	3,652.41	1/2	3,293.31
3/4		3/4		3/4		3/4		3/4	5,073.33	3/4	4,721.30	3/4	4,363.15	3/4	4,004.04	3/4	3,644.93	3/4	3,285.83
2		2		2		2		2	5,067.51	2	4,713.86	2	4,355.67	2	3,996.56	2	3,637.45	2	3,278.34
1/4		1/4		1/4		1/4		1/4	5,060.69	1/4	4,706.40	1/4	4,348.18	1/4	3,989.08	1/4	3,629.97	1/4	3,270.86
1/2		1/2		1/2		1/2		1/2	5,053.87	1/2	4,698.94	1/2	4,340.70	1/2	3,981.60	1/2	3,622.49	1/2	3,263.38
3/4		3/4		3/4		3/4		3/4	5,047.04	3/4	4,691.48	3/4	4,333.22	3/4	3,974.11	3/4	3,615.01	3/4	3,255.90
3		3		3		3		3	5,040.22	3	4,684.02	3	4,325.74	3	3,966.63	3	3,607.53	3	3,248.42
1/4		1/4		1/4		1/4		1/4	5,032.86	1/4	4,676.56	1/4	4,318.26	1/4	3,959.15	1/4	3,600.04	1/4	3,240.94
1/2		1/2		1/2		1/2		1/2	5,025.51	1/2	4,669.10	1/2	4,310.78	1/2	3,951.67	1/2	3,592.56	1/2	3,233.46
3/4		3/4		3/4		3/4		3/4	5,018.15	3/4	4,661.64	3/4	4,303.30	3/4	3,944.19	3/4	3,585.08	3/4	3,225.97
4		4		4		4		4	5,010.79	4	4,654.18	4	4,295.81	4	3,936.71	4	3,577.60	4	3,218.49
1/4		1/4		1/4		1/4		1/4	5,003.37	1/4	4,646.72	1/4	4,288.33	1/4	3,929.23	1/4	3,570.12	1/4	3,211.01
1/2		1/2		1/2		1/2		1/2	4,995.94	1/2	4,639.26	1/2	4,280.85	1/2	3,921.74	1/2	3,562.64	1/2	3,203.53
3/4		3/4		3/4		3/4		3/4	4,988.52	3/4	4,631.80	3/4	4,273.37	3/4	3,914.26	3/4	3,555.16	3/4	3,196.05
5		5		5		5		5	4,981.10	5	4,624.34	5	4,265.89	5	3,906.78	5	3,547.67	5	3,188.57
1/4		1/4		1/4		1/4		1/4	4,973.67	1/4	4,616.88	1/4	4,258.41	1/4	3,899.30	1/4	3,540.19	1/4	3,181.09
1/2		1/2		1/2		1/2		1/2	4,966.25	1/2	4,609.42	1/2	4,250.93	1/2	3,891.82	1/2	3,532.71	1/2	3,173.60
3/4		3/4		3/4		3/4		3/4	4,958.82	3/4	4,601.97	3/4	4,243.44	3/4	3,884.34	3/4	3,525.23	3/4	3,166.12
6		6		6		6		6	4,951.40	6	4,594.51	6	4,235.96	6	3,876.86	6	3,517.75	6	3,158.64
1/4		1/4		1/4		1/4		1/4	4,943.98	1/4	4,587.05	1/4	4,228.48	1/4	3,869.37	1/4	3,510.27	1/4	3,151.16
1/2		1/2		1/2		1/2		1/2	4,936.55	1/2	4,579.59	1/2	4,221.00	1/2	3,861.89	1/2	3,502.79	1/2	3,143.68
3/4		3/4		3/4		3/4		3/4	4,929.13	3/4	4,572.13	3/4	4,213.52	3/4	3,854.41	3/4	3,495.30	3/4	3,136.20
7		7		7		7		7	4,921.70	7	4,564.67	7	4,206.04	7	3,846.93	7	3,487.82	7	3,128.72
1/4		1/4		1/4		1/4		1/4	4,914.28	1/4	4,557.21	1/4	4,198.56	1/4	3,839.45	1/4	3,480.34	1/4	3,121.23
1/2		1/2		1/2		1/2		1/2	4,906.86	1/2	4,549.75	1/2	4,191.07	1/2	3,831.97	1/2	3,472.86	1/2	3,113.75
3/4		3/4		3/4		3/4		3/4	4,899.44	3/4	4,542.29	3/4	4,183.59	3/4	3,824.49	3/4	3,465.38	3/4	3,106.27
8		8		8		8		8	4,892.02	8	4,534.83	8	4,176.11	8	3,817.00	8	3,457.90	8	3,098.79
1/4		1/4		1/4		1/4		1/4	4,884.60	1/4	4,527.37	1/4	4,168.63	1/4	3,809.52	1/4	3,450.42	1/4	3,091.31
1/2		1/2		1/2		1/2		1/2	4,877.18	1/2	4,519.91	1/2	4,161.15	1/2	3,802.04	1/2	3,442.93	1/2	3,083.83
3/4		3/4		3/4		3/4		3/4	4,869.76	3/4	4,512.45	3/4	4,153.67	3/4	3,794.56	3/4	3,435.45	3/4	3,076.35
9		9		9		9		9	4,862.34	9	4,504.99	9	4,146.19	9	3,787.08	9	3,427.97	9	3,068.86
1/4		1/4		1/4		1/4		1/4	4,854.92	1/4	4,497.53	1/4	4,138.70	1/4	3,779.60	1/4	3,420.49	1/4	3,061.38
1/2		1/2		1/2		1/2		1/2	4,847.50	1/2	4,490.07	1/2	4,131.22	1/2	3,772.12	1/2	3,413.01	1/2	3,053.90
3/4		3/4		3/4		3/4		3/4	4,840.08	3/4	4,482.61	3/4	4,123.74	3/4	3,764.63	3/4	3,405.53	3/4	3,046.42
10		10		10		10		10	4,832.66	10	4,475.15	10	4,116.26	10	3,757.15	10	3,398.05	10	3,038.94
1/4		1/4		1/4		1/4		1/4	4,825.24	1/4	4,467.69	1/4	4,108.78	1/4	3,749.67	1/4	3,390.56	1/4	3,031.46
1/2		1/2		1/2		1/2		1/2	4,817.82	1/2	4,460.23	1/2	4,101.30	1/2	3,742.19	1/2	3,383.08	1/2	3,023.98
3/4		3/4		3/4		3/4		3/4	4,810.40	3/4	4,452.77	3/4	4,093.82	3/4	3,734.71	3/4	3,375.60	3/4	3,016.49
11		11		11		11		11	4,802.98	11	4,445.31	11	4,086.34	11	3,727.23	11	3,368.12	11	3,009.01
1/4		1/4		1/4		1/4		1/4	4,795.56	1/4	4,437.85	1/4	4,078.85	1/4	3,719.75	1/4	3,360.64	1/4	3,001.53
1/2		1/2		1/2		1/2		1/2	4,788.14	1/2	4,430.39	1/2	4,071.37	1/2	3,712.26	1/2	3,353.16	1/2	2,994.04
3/4		3/4		3/4		3/4		3/4	4,780.72	3/4	4,422.93	3/4	4,063.89	3/4	3,704.78	3/4	3,345.68	3/4	2,986.56

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" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-07" OFF CENTERLINE AND 46'-00" 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 3094"

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	2,619.77	0	2,260.48	0	1,901.18	0	1,541.88	0	1,182.58	0	823.74	0	464.45	0	105.16	0		0	
1/4	2,612.29	1/4	2,252.99	1/4	1,893.69	1/4	1,534.39	1/4	1,175.09	1/4	816.25	1/4	456.96	1/4	97.67	1/4		1/4	
1/2	2,604.80	1/2	2,245.50	1/2	1,886.21	1/2	1,526.91	1/2	1,167.61	1/2	808.77	1/2	449.48	1/2	90.19	1/2		1/2	
3/4	2,597.32	3/4	2,238.02	3/4	1,878.72	3/4	1,519.42	3/4	1,160.12	3/4	801.28	3/4	441.99	3/4	82.70	3/4		3/4	
1	2,589.83	1	2,230.53	1	1,871.23	1	1,511.94	1	1,152.64	1	793.80	1	434.51	1	75.22	1		1	
1/4	2,582.35	1/4	2,223.05	1/4	1,863.75	1/4	1,504.45	1/4	1,145.15	1/4	786.31	1/4	427.02	1/4	68.20	1/4		1/4	
1/2	2,574.86	1/2	2,215.56	1/2	1,856.26	1/2	1,496.96	1/2	1,137.67	1/2	778.83	1/2	419.54	1/2	61.18	1/2		1/2	
3/4	2,567.38	3/4	2,208.08	3/4	1,848.78	3/4	1,489.48	3/4	1,130.19	3/4	771.34	3/4	412.05	3/4	54.17	3/4		3/4	
2	2,559.89	2	2,200.59	2	1,841.29	2	1,481.99	2	1,122.71	2	763.86	2	404.57	2	47.15	2		2	
1/4	2,552.41	1/4	2,193.11	1/4	1,833.81	1/4	1,474.51	1/4	1,115.23	1/4	756.37	1/4	397.08	1/4	41.53	1/4		1/4	
1/2	2,544.92	1/2	2,185.62	1/2	1,826.32	1/2	1,467.02	1/2	1,107.75	1/2	748.89	1/2	389.60	1/2	35.92	1/2		1/2	
3/4	2,537.44	3/4	2,178.14	3/4	1,818.84	3/4	1,459.54	3/4	1,100.27	3/4	741.40	3/4	382.11	3/4	30.31	3/4		3/4	
3	2,529.95	3	2,170.65	3	1,811.35	3	1,452.05	3	1,092.79	3	733.91	3	374.63	3	24.69	3		3	
1/4	2,522.46	1/4	2,163.17	1/4	1,803.87	1/4	1,444.57	1/4	1,085.31	1/4	726.43	1/4	367.14	1/4	20.95	1/4		1/4	
1/2	2,514.98	1/2	2,155.68	1/2	1,796.38	1/2	1,437.08	1/2	1,077.83	1/2	718.94	1/2	359.65	1/2		1/2		1/2	
3/4	2,507.49	3/4	2,148.19	3/4	1,788.90	3/4	1,429.60	3/4	1,070.36	3/4	711.46	3/4	352.17	3/4		3/4		3/4	
4	2,500.01	4	2,140.71	4	1,781.41	4	1,422.11	4	1,062.88	4	703.97	4	344.68	4		4		4	
1/4	2,492.52	1/4	2,133.22	1/4	1,773.92	1/4	1,414.63	1/4	1,055.41	1/4	696.49	1/4	337.20	1/4		1/4		1/4	
1/2	2,485.04	1/2	2,125.74	1/2	1,766.44	1/2	1,407.14	1/2	1,047.94	1/2	689.00	1/2	329.71	1/2		1/2		1/2	
3/4	2,477.55	3/4	2,118.25	3/4	1,758.95	3/4	1,399.65	3/4	1,040.46	3/4	681.52	3/4	322.23	3/4		3/4		3/4	
5	2,470.07	5	2,110.77	5	1,751.47	5	1,392.17	5	1,032.99	5	674.03	5	314.74	5		5		5	
1/4	2,462.58	1/4	2,103.28	1/4	1,743.98	1/4	1,384.68	1/4	1,025.52	1/4	666.55	1/4	307.26	1/4		1/4		1/4	
1/2	2,455.10	1/2	2,095.80	1/2	1,736.50	1/2	1,377.20	1/2	1,018.05	1/2	659.06	1/2	299.77	1/2		1/2		1/2	
3/4	2,447.61	3/4	2,088.31	3/4	1,729.01	3/4	1,369.71	3/4	1,010.57	3/4	651.58	3/4	292.29	3/4		3/4		3/4	
6	2,440.12	6	2,080.83	6	1,721.53	6	1,362.23	6	1,003.10	6	644.09	6	284.80	6		6		6	
1/4	2,432.64	1/4	2,073.34	1/4	1,714.04	1/4	1,354.74	1/4	995.63	1/4	636.61	1/4	277.32	1/4		1/4		1/4	
1/2	2,425.15	1/2	2,065.85	1/2	1,706.56	1/2	1,347.26	1/2	988.16	1/2	629.12	1/2	269.83	1/2		1/2		1/2	
3/4	2,417.67	3/4	2,058.37	3/4	1,699.07	3/4	1,339.77	3/4	980.68	3/4	621.64	3/4	262.35	3/4		3/4		3/4	
7	2,410.18	7	2,050.88	7	1,691.58	7	1,332.29	7	973.21	7	614.15	7	254.86	7		7		7	
1/4	2,402.70	1/4	2,043.40	1/4	1,684.10	1/4	1,324.80	1/4	965.74	1/4	606.67	1/4	247.38	1/4		1/4		1/4	
1/2	2,395.21	1/2	2,035.91	1/2	1,676.61	1/2	1,317.31	1/2	958.27	1/2	598.18	1/2	239.89	1/2		1/2		1/2	
3/4	2,387.73	3/4	2,028.43	3/4	1,669.13	3/4	1,309.83	3/4	950.79	3/4	591.70	3/4	232.41	3/4		3/4		3/4	
8	2,380.24	8	2,020.94	8	1,661.64	8	1,302.34	8	943.32	8	584.21	8	224.92	8		8		8	
1/4	2,372.76	1/4	2,013.46	1/4	1,654.16	1/4	1,294.86	1/4	935.85	1/4	576.73	1/4	217.44	1/4		1/4		1/4	
1/2	2,365.27	1/2	2,005.97	1/2	1,646.67	1/2	1,287.37	1/2	928.38	1/2	569.24	1/2	209.95	1/2		1/2		1/2	
3/4	2,357.79	3/4	1,998.49	3/4	1,639.19	3/4	1,279.89	3/4	920.90	3/4	561.76	3/4	202.47	3/4		3/4		3/4	
9	2,350.30	9	1,991.00	9	1,631.70	9	1,272.40	9	913.43	9	554.27	9	194.98	9		9		9	
1/4	2,342.81	1/4	1,983.52	1/4	1,624.22	1/4	1,264.92	1/4	905.96	1/4	546.78	1/4	187.50	1/4		1/4		1/4	
1/2	2,335.33	1/2	1,976.03	1/2	1,616.73	1/2	1,257.43	1/2	898.49	1/2	539.30	1/2	180.01	1/2		1/2		1/2	
3/4	2,327.84	3/4	1,968.54	3/4	1,609.25	3/4	1,249.95	3/4	891.01	3/4	531.81	3/4	172.52	3/4		3/4		3/4	
10	2,320.36	10	1,961.06	10	1,601.76	10	1,242.46	10	883.54	10	524.33	10	165.04	10		10		10	
1/4	2,312.87	1/4	1,953.57	1/4	1,594.27	1/4	1,234.98	1/4	876.07	1/4	516.84	1/4	157.55	1/4		1/4		1/4	
1/2	2,305.39	1/2	1,946.09	1/2	1,586.79	1/2	1,227.49	1/2	868.60	1/2	509.36	1/2	150.07	1/2		1/2		1/2	
3/4	2,297.90	3/4	1,938.60	3/4	1,579.30	3/4	1,220.00	3/4	861.13	3/4	501.87	3/4	142.58	3/4		3/4		3/4	
11	2,290.42	11	1,931.12	11	1,571.82	11	1,212.52	11	853.65	11	494.39	11	135.10	11		11		11	
1/4	2,282.93	1/4	1,923.63	1/4	1,564.33	1/4	1,205.03	1/4	846.17	1/4	486.90	1/4	127.61	1/4		1/4		1/4	
1/2	2,275.45	1/2	1,916.15	1/2	1,556.85	1/2	1,197.55	1/2	838.70	1/2	479.42	1/2	120.13	1/2		1/2		1/2	
3/4	2,267.96	3/4	1,908.66	3/4	1,549.36	3/4	1,190.06	3/4	831.22	3/4	471.93	3/4	112.64	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2013 CL - SW
RECALCULATED: 05/09/2018 CL
VERIFIED: 04/18/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2023

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



BARGE "HTCO 3094"

3 PORT ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 17'-02 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	4,589.49	0	4,353.15	0	4,106.54	0	3,859.21	0	3,611.87	0	3,274.06	0	2,917.39
1/4		1/4		1/4		1/4	4,585.97	1/4	4,348.02	1/4	4,101.39	1/4	3,854.05	1/4	3,606.72	1/4	3,266.64	1/4	2,909.96
1/2		1/2		1/2		1/2	4,582.46	1/2	4,342.90	1/2	4,096.23	1/2	3,848.90	1/2	3,601.57	1/2	3,259.22	1/2	2,902.52
3/4		3/4		3/4		3/4	4,578.94	3/4	4,337.77	3/4	4,091.08	3/4	3,843.75	3/4	3,596.41	3/4	3,251.80	3/4	2,895.09
1		1		1		1	4,575.42	1	4,332.65	1	4,085.93	1	3,838.59	1	3,591.26	1	3,244.38	1	2,887.66
1/4		1/4		1/4		1/4	4,570.91	1/4	4,327.51	1/4	4,080.78	1/4	3,833.44	1/4	3,585.53	1/4	3,236.94	1/4	2,880.22
1/2		1/2		1/2		1/2	4,566.40	1/2	4,322.37	1/2	4,075.62	1/2	3,828.29	1/2	3,579.80	1/2	3,229.51	1/2	2,872.79
3/4		3/4		3/4		3/4	4,561.88	3/4	4,317.23	3/4	4,070.47	3/4	3,823.14	3/4	3,574.08	3/4	3,222.08	3/4	2,865.36
2		2		2		2	4,557.37	2	4,312.09	2	4,065.32	2	3,817.98	2	3,568.35	2	3,214.65	2	2,857.92
1/4		1/4		1/4		1/4	4,552.32	1/4	4,306.96	1/4	4,060.16	1/4	3,812.83	1/4	3,561.49	1/4	3,207.22	1/4	2,850.49
1/2		1/2		1/2		1/2	4,547.27	1/2	4,301.82	1/2	4,055.01	1/2	3,807.68	1/2	3,554.63	1/2	3,199.79	1/2	2,843.05
3/4		3/4		3/4		3/4	4,542.23	3/4	4,296.68	3/4	4,049.86	3/4	3,802.52	3/4	3,547.76	3/4	3,192.36	3/4	2,835.62
3		3		3		3	4,537.18	3	4,291.54	3	4,044.71	3	3,797.37	3	3,540.90	3	3,184.93	3	2,828.19
1/4		1/4		1/4		1/4	4,532.07	1/4	4,286.40	1/4	4,039.55	1/4	3,792.22	1/4	3,533.48	1/4	3,177.50	1/4	2,820.75
1/2		1/2		1/2		1/2	4,526.95	1/2	4,281.27	1/2	4,034.40	1/2	3,787.07	1/2	3,526.06	1/2	3,170.06	1/2	2,813.32
3/4		3/4		3/4		3/4	4,521.84	3/4	4,276.13	3/4	4,029.25	3/4	3,781.91	3/4	3,518.64	3/4	3,162.63	3/4	2,805.89
4		4		4		4	4,516.72	4	4,270.99	4	4,024.09	4	3,776.76	4	3,511.21	4	3,155.20	4	2,798.45
1/4		1/4		1/4		1/4	4,511.61	1/4	4,265.85	1/4	4,018.94	1/4	3,771.61	1/4	3,503.80	1/4	3,147.77	1/4	2,791.02
1/2		1/2		1/2		1/2	4,506.50	1/2	4,260.71	1/2	4,013.79	1/2	3,766.45	1/2	3,496.38	1/2	3,140.34	1/2	2,783.58
3/4		3/4		3/4		3/4	4,501.38	3/4	4,255.57	3/4	4,008.64	3/4	3,761.30	3/4	3,488.97	3/4	3,132.91	3/4	2,776.15
5		5		5		5	4,496.27	5	4,250.44	5	4,003.48	5	3,756.15	5	3,481.55	5	3,125.48	5	2,768.72
1/4		1/4		1/4		1/4	4,491.16	1/4	4,245.30	1/4	3,998.33	1/4	3,751.00	1/4	3,474.14	1/4	3,118.05	1/4	2,761.28
1/2		1/2		1/2		1/2	4,486.04	1/2	4,240.16	1/2	3,993.18	1/2	3,745.84	1/2	3,466.73	1/2	3,110.62	1/2	2,753.85
3/4		3/4		3/4		3/4	4,480.93	3/4	4,235.02	3/4	3,988.03	3/4	3,740.69	3/4	3,459.32	3/4	3,103.18	3/4	2,746.41
6		6		6		6	4,475.82	6	4,229.88	6	3,982.87	6	3,735.54	6	3,451.91	6	3,095.75	6	2,738.98
1/4		1/4		1/4		1/4	4,470.70	1/4	4,224.75	1/4	3,977.72	1/4	3,730.39	1/4	3,444.50	1/4	3,088.32	1/4	2,731.55
1/2		1/2		1/2		1/2	4,465.59	1/2	4,219.61	1/2	3,972.57	1/2	3,725.23	1/2	3,437.09	1/2	3,080.89	1/2	2,724.11
3/4		3/4		3/4		3/4	4,460.48	3/4	4,214.47	3/4	3,967.41	3/4	3,720.08	3/4	3,429.68	3/4	3,073.46	3/4	2,716.68
7		7		7		7	4,455.37	7	4,209.33	7	3,962.26	7	3,714.93	7	3,422.27	7	3,066.03	7	2,709.25
1/4		1/4		1/4		1/4	4,450.26	1/4	4,204.19	1/4	3,957.11	1/4	3,709.77	1/4	3,414.86	1/4	3,058.60	1/4	2,701.81
1/2		1/2		1/2		1/2	4,445.15	1/2	4,199.05	1/2	3,951.96	1/2	3,704.62	1/2	3,407.45	1/2	3,051.17	1/2	2,694.38
3/4		3/4		3/4		3/4	4,440.03	3/4	4,193.92	3/4	3,946.80	3/4	3,699.47	3/4	3,400.04	3/4	3,043.74	3/4	2,686.94
8		8		8		8	4,434.92	8	4,188.78	8	3,941.65	8	3,694.32	8	3,392.63	8	3,036.30	8	2,679.51
1/4		1/4		1/4		1/4	4,429.81	1/4	4,183.64	1/4	3,936.50	1/4	3,689.16	1/4	3,385.21	1/4	3,028.87	1/4	2,672.08
1/2		1/2		1/2		1/2	4,424.70	1/2	4,178.50	1/2	3,931.34	1/2	3,684.01	1/2	3,377.80	1/2	3,021.44	1/2	2,664.64
3/4		3/4		3/4		3/4	4,419.59	3/4	4,173.36	3/4	3,926.19	3/4	3,678.86	3/4	3,370.39	3/4	3,014.01	3/4	2,657.21
9		9		9		9	4,414.48	9	4,168.22	9	3,921.04	9	3,673.70	9	3,362.98	9	3,006.58	9	2,649.78
1/4		1/4		1/4		1/4	4,409.37	1/4	4,163.09	1/4	3,915.89	1/4	3,668.55	1/4	3,355.57	1/4	2,999.15	1/4	2,642.34
1/2		1/2		1/2		1/2	4,404.26	1/2	4,157.95	1/2	3,910.73	1/2	3,663.40	1/2	3,348.16	1/2	2,991.72	1/2	2,634.91
3/4		3/4		3/4		3/4	4,399.15	3/4	4,152.81	3/4	3,905.58	3/4	3,658.25	3/4	3,340.75	3/4	2,984.29	3/4	2,627.47
10		10		10		10	4,394.04	10	4,147.67	10	3,900.43	10	3,653.09	10	3,333.34	10	2,976.86	10	2,620.04
1/4		1/4		1/4		1/4	4,388.93	1/4	4,142.53	1/4	3,895.27	1/4	3,647.94	1/4	3,325.93	1/4	2,969.42	1/4	2,612.60
1/2		1/2		1/2		1/2	4,383.81	1/2	4,137.40	1/2	3,890.12	1/2	3,642.79	1/2	3,318.52	1/2	2,961.99	1/2	2,605.17
3/4		3/4		3/4		3/4	4,378.70	3/4	4,132.26	3/4	3,884.97	3/4	3,637.63	3/4	3,311.11	3/4	2,954.56	3/4	2,597.73
11		11		11		11	4,373.59	11	4,127.12	11	3,879.82	11	3,632.48	11	3,303.70	11	2,947.13	11	2,590.29
1/4		1/4		1/4		1/4	4,368.48	1/4	4,121.97	1/4	3,874.66	1/4	3,627.33	1/4	3,296.29	1/4	2,939.69	1/4	2,582.85
1/2		1/2		1/2		1/2	4,363.37	1/2	4,116.83	1/2	3,869.51	1/2	3,622.18	1/2	3,288.88	1/2	2,932.26	1/2	2,575.41
3/4		3/4		3/4		3/4	4,591.94	3/4	4,358.26	3/4	4,111.68	3/4	3,864.36	3/4	3,617.02	3/4	3,281.47	3/4	2,567.97

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" CLOSED GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 12'-07" OFF CENTERLINE AND 46'-00" 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 3094"

3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-02 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	2,560.53	0	2,204.96	0	1,850.43	0	1,493.26	0	1,137.35	0	789.71	0	432.34	0	74.94	0		0	
1/4	2,553.09	1/4	2,197.59	1/4	1,842.99	1/4	1,485.81	1/4	1,130.12	1/4	782.26	1/4	424.89	1/4	67.95	1/4		1/4	
1/2	2,545.64	1/2	2,190.21	1/2	1,835.55	1/2	1,478.37	1/2	1,122.90	1/2	774.81	1/2	417.45	1/2	60.95	1/2		1/2	
3/4	2,538.20	3/4	2,182.83	3/4	1,828.11	3/4	1,470.93	3/4	1,115.67	3/4	767.37	3/4	410.01	3/4	53.96	3/4		3/4	
1	2,530.76	1	2,175.45	1	1,820.66	1	1,463.49	1	1,108.45	1	759.92	1	402.56	1	46.97	1		1	
1/4	2,523.32	1/4	2,168.07	1/4	1,813.22	1/4	1,456.05	1/4	1,101.23	1/4	752.48	1/4	395.12	1/4	41.38	1/4		1/4	
1/2	2,515.88	1/2	2,160.69	1/2	1,805.78	1/2	1,448.61	1/2	1,094.01	1/2	745.03	1/2	387.67	1/2	35.79	1/2		1/2	
3/4	2,508.44	3/4	2,153.32	3/4	1,798.34	3/4	1,441.17	3/4	1,086.79	3/4	737.59	3/4	380.23	3/4	30.19	3/4		3/4	
2	2,501.00	2	2,145.94	2	1,790.90	2	1,433.73	2	1,079.57	2	730.14	2	372.79	2	24.60	2		2	
1/4	2,493.58	1/4	2,138.56	1/4	1,783.46	1/4	1,426.29	1/4	1,072.36	1/4	722.70	1/4	365.34	1/4	20.87	1/4		1/4	
1/2	2,486.15	1/2	2,131.18	1/2	1,776.02	1/2	1,418.84	1/2	1,065.14	1/2	715.25	1/2	357.90	1/2		1/2		1/2	
3/4	2,478.73	3/4	2,123.80	3/4	1,768.58	3/4	1,411.40	3/4	1,057.93	3/4	707.81	3/4	350.45	3/4		3/4		3/4	
3	2,471.31	3	2,116.42	3	1,761.14	3	1,403.96	3	1,050.71	3	700.36	3	343.01	3		3		3	
1/4	2,463.91	1/4	2,109.05	1/4	1,753.69	1/4	1,396.52	1/4	1,043.50	1/4	692.92	1/4	335.57	1/4		1/4		1/4	
1/2	2,456.51	1/2	2,101.67	1/2	1,746.25	1/2	1,389.08	1/2	1,036.29	1/2	685.47	1/2	328.12	1/2		1/2		1/2	
3/4	2,449.10	3/4	2,094.29	3/4	1,738.81	3/4	1,381.64	3/4	1,029.08	3/4	678.03	3/4	320.68	3/4		3/4		3/4	
4	2,441.70	4	2,086.91	4	1,731.37	4	1,374.20	4	1,021.87	4	670.58	4	313.23	4		4		4	
1/4	2,434.30	1/4	2,079.53	1/4	1,723.93	1/4	1,366.76	1/4	1,014.66	1/4	663.14	1/4	305.79	1/4		1/4		1/4	
1/2	2,426.89	1/2	2,072.16	1/2	1,716.49	1/2	1,359.32	1/2	1,007.44	1/2	655.69	1/2	298.35	1/2		1/2		1/2	
3/4	2,419.49	3/4	2,064.78	3/4	1,709.05	3/4	1,351.87	3/4	1,000.23	3/4	648.24	3/4	290.90	3/4		3/4		3/4	
5	2,412.09	5	2,057.40	5	1,701.61	5	1,344.43	5	993.02	5	640.80	5	283.46	5		5		5	
1/4	2,404.69	1/4	2,050.02	1/4	1,694.17	1/4	1,336.99	1/4	985.81	1/4	633.35	1/4	276.01	1/4		1/4		1/4	
1/2	2,397.28	1/2	2,042.64	1/2	1,686.72	1/2	1,329.55	1/2	978.60	1/2	625.91	1/2	268.57	1/2		1/2		1/2	
3/4	2,389.88	3/4	2,035.26	3/4	1,679.28	3/4	1,322.11	3/4	971.39	3/4	618.46	3/4	261.13	3/4		3/4		3/4	
6	2,382.48	6	2,027.89	6	1,671.84	6	1,314.67	6	964.18	6	611.02	6	253.68	6		6		6	
1/4	2,375.08	1/4	2,020.51	1/4	1,664.40	1/4	1,307.23	1/4	956.97	1/4	603.57	1/4	246.24	1/4		1/4		1/4	
1/2	2,367.67	1/2	2,013.13	1/2	1,656.96	1/2	1,299.79	1/2	949.76	1/2	596.13	1/2	238.79	1/2		1/2		1/2	
3/4	2,360.27	3/4	2,005.75	3/4	1,649.52	3/4	1,292.35	3/4	942.54	3/4	588.68	3/4	231.35	3/4		3/4		3/4	
7	2,352.87	7	1,998.37	7	1,642.08	7	1,284.90	7	935.33	7	581.24	7	223.90	7		7		7	
1/4	2,345.47	1/4	1,991.00	1/4	1,634.64	1/4	1,277.46	1/4	928.12	1/4	573.79	1/4	216.46	1/4		1/4		1/4	
1/2	2,338.06	1/2	1,983.62	1/2	1,627.20	1/2	1,270.02	1/2	920.91	1/2	566.35	1/2	209.01	1/2		1/2		1/2	
3/4	2,330.66	3/4	1,976.24	3/4	1,619.75	3/4	1,262.58	3/4	913.70	3/4	558.90	3/4	201.57	3/4		3/4		3/4	
8	2,323.26	8	1,968.86	8	1,612.31	8	1,255.14	8	906.49	8	551.46	8	194.12	8		8		8	
1/4	2,315.86	1/4	1,961.48	1/4	1,604.87	1/4	1,247.70	1/4	899.28	1/4	544.01	1/4	186.68	1/4		1/4		1/4	
1/2	2,308.45	1/2	1,954.10	1/2	1,597.43	1/2	1,240.26	1/2	892.07	1/2	536.57	1/2	179.23	1/2		1/2		1/2	
3/4	2,301.05	3/4	1,946.73	3/4	1,589.99	3/4	1,232.82	3/4	884.86	3/4	529.12	3/4	171.79	3/4		3/4		3/4	
9	2,293.65	9	1,939.35	9	1,582.55	9	1,225.38	9	877.64	9	521.67	9	164.34	9		9		9	
1/4	2,286.25	1/4	1,931.97	1/4	1,575.11	1/4	1,217.93	1/4	870.43	1/4	514.23	1/4	156.89	1/4		1/4		1/4	
1/2	2,278.84	1/2	1,924.59	1/2	1,567.67	1/2	1,210.49	1/2	863.22	1/2	506.78	1/2	149.45	1/2		1/2		1/2	
3/4	2,271.44	3/4	1,917.21	3/4	1,560.23	3/4	1,203.05	3/4	856.01	3/4	499.34	3/4	142.00	3/4		3/4		3/4	
10	2,264.04	10	1,909.84	10	1,552.78	10	1,195.61	10	848.80	10	491.89	10	134.55	10		10		10	
1/4	2,256.65	1/4	1,902.42	1/4	1,545.34	1/4	1,188.28	1/4	841.47	1/4	484.45	1/4	127.10	1/4		1/4		1/4	
1/2	2,249.26	1/2	1,895.01	1/2	1,537.90	1/2	1,180.94	1/2	834.14	1/2	477.00	1/2	119.65	1/2		1/2		1/2	
3/4	2,241.87	3/4	1,887.60	3/4	1,530.46	3/4	1,173.60	3/4	826.81	3/4	469.56	3/4	112.20	3/4		3/4		3/4	
11	2,234.48	11	1,880.19	11	1,523.02	11	1,166.27	11	819.49	11	462.11	11	104.76	11		11		11	
1/4	2,227.10	1/4	1,872.75	1/4	1,515.58	1/4	1,159.04	1/4	812.04	1/4	454.67	1/4	97.30	1/4		1/4		1/4	
1/2	2,219.72	1/2	1,865.31	1/2	1,508.14	1/2	1,151.61	1/2	804.60	1/2	447.23	1/2	89.85	1/2		1/2		1/2	
3/4	2,212.34	3/4	1,857.87	3/4	1,500.70	3/4	1,144.18	3/4	797.15	3/4	439.78	3/4	82.39	3/4		3/4		3/4	

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



BARGE "HTCO 3094"

3 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-02 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	2,594.93	0	2,236.98	0	1,879.03	0	1,521.08	0	1,163.13	0	805.73	0	447.79	0	89.85	0		0	
1/4	2,587.47	1/4	2,229.52	1/4	1,871.57	1/4	1,513.62	1/4	1,155.67	1/4	798.28	1/4	440.33	1/4	82.39	1/4		1/4	
1/2	2,580.02	1/2	2,222.07	1/2	1,864.12	1/2	1,506.17	1/2	1,148.22	1/2	790.82	1/2	432.88	1/2	74.94	1/2		1/2	
3/4	2,572.56	3/4	2,214.61	3/4	1,856.66	3/4	1,498.71	3/4	1,140.76	3/4	783.36	3/4	425.42	3/4	67.95	3/4		3/4	
1	2,565.10	1	2,207.15	1	1,849.20	1	1,491.25	1	1,133.31	1	775.90	1	417.96	1	60.95	1		1	
1/4	2,557.65	1/4	2,199.70	1/4	1,841.74	1/4	1,483.79	1/4	1,125.86	1/4	768.45	1/4	410.51	1/4	53.96	1/4		1/4	
1/2	2,550.19	1/2	2,192.24	1/2	1,834.29	1/2	1,476.34	1/2	1,118.40	1/2	760.99	1/2	403.05	1/2	46.97	1/2		1/2	
3/4	2,542.73	3/4	2,184.78	3/4	1,826.83	3/4	1,468.88	3/4	1,110.95	3/4	753.53	3/4	395.59	3/4	41.38	3/4		3/4	
2	2,535.27	2	2,177.32	2	1,819.37	2	1,461.42	2	1,103.50	2	746.08	2	388.13	2	35.79	2		2	
1/4	2,527.82	1/4	2,169.87	1/4	1,811.92	1/4	1,453.97	1/4	1,096.05	1/4	738.62	1/4	380.68	1/4	30.19	1/4		1/4	
1/2	2,520.36	1/2	2,162.41	1/2	1,804.46	1/2	1,446.51	1/2	1,088.61	1/2	731.16	1/2	373.22	1/2	24.60	1/2		1/2	
3/4	2,512.90	3/4	2,154.95	3/4	1,797.00	3/4	1,439.05	3/4	1,081.16	3/4	723.70	3/4	365.76	3/4	20.87	3/4		3/4	
3	2,505.44	3	2,147.49	3	1,789.54	3	1,431.59	3	1,073.71	3	716.25	3	358.31	3		3		3	
1/4	2,497.99	1/4	2,140.04	1/4	1,782.09	1/4	1,424.14	1/4	1,066.27	1/4	708.79	1/4	350.85	1/4		1/4		1/4	
1/2	2,490.53	1/2	2,132.58	1/2	1,774.63	1/2	1,416.68	1/2	1,058.82	1/2	701.33	1/2	343.39	1/2		1/2		1/2	
3/4	2,483.07	3/4	2,125.12	3/4	1,767.17	3/4	1,409.22	3/4	1,051.38	3/4	693.88	3/4	335.94	3/4		3/4		3/4	
4	2,475.62	4	2,117.66	4	1,759.71	4	1,401.76	4	1,043.94	4	686.42	4	328.48	4		4		4	
1/4	2,468.16	1/4	2,110.21	1/4	1,752.26	1/4	1,394.31	1/4	1,036.50	1/4	678.96	1/4	321.02	1/4		1/4		1/4	
1/2	2,460.70	1/2	2,102.75	1/2	1,744.80	1/2	1,386.85	1/2	1,029.06	1/2	671.50	1/2	313.56	1/2		1/2		1/2	
3/4	2,453.24	3/4	2,095.29	3/4	1,737.34	3/4	1,379.39	3/4	1,021.61	3/4	664.05	3/4	306.11	3/4		3/4		3/4	
5	2,445.79	5	2,087.84	5	1,729.89	5	1,371.93	5	1,014.17	5	656.59	5	298.65	5		5		5	
1/4	2,438.33	1/4	2,080.38	1/4	1,722.43	1/4	1,364.48	1/4	1,006.73	1/4	649.13	1/4	291.19	1/4		1/4		1/4	
1/2	2,430.87	1/2	2,072.92	1/2	1,714.97	1/2	1,357.02	1/2	999.29	1/2	641.68	1/2	283.74	1/2		1/2		1/2	
3/4	2,423.41	3/4	2,065.46	3/4	1,707.51	3/4	1,349.56	3/4	991.84	3/4	634.22	3/4	276.28	3/4		3/4		3/4	
6	2,415.96	6	2,058.01	6	1,700.06	6	1,342.11	6	984.40	6	626.76	6	268.82	6		6		6	
1/4	2,408.50	1/4	2,050.55	1/4	1,692.60	1/4	1,334.65	1/4	976.96	1/4	619.30	1/4	261.36	1/4		1/4		1/4	
1/2	2,401.04	1/2	2,043.09	1/2	1,685.14	1/2	1,327.19	1/2	969.52	1/2	611.85	1/2	253.91	1/2		1/2		1/2	
3/4	2,393.58	3/4	2,035.63	3/4	1,677.68	3/4	1,319.73	3/4	962.08	3/4	604.39	3/4	246.45	3/4		3/4		3/4	
7	2,386.13	7	2,028.18	7	1,670.23	7	1,312.28	7	954.63	7	596.93	7	238.99	7		7		7	
1/4	2,378.67	1/4	2,020.72	1/4	1,662.77	1/4	1,304.82	1/4	947.19	1/4	589.48	1/4	231.54	1/4		1/4		1/4	
1/2	2,371.21	1/2	2,013.26	1/2	1,655.31	1/2	1,297.36	1/2	939.75	1/2	582.02	1/2	224.08	1/2		1/2		1/2	
3/4	2,363.76	3/4	2,005.81	3/4	1,647.85	3/4	1,289.90	3/4	932.31	3/4	574.56	3/4	216.62	3/4		3/4		3/4	
8	2,356.30	8	1,998.35	8	1,640.40	8	1,282.45	8	924.87	8	567.11	8	209.16	8		8		8	
1/4	2,348.84	1/4	1,990.89	1/4	1,632.94	1/4	1,274.99	1/4	917.42	1/4	559.65	1/4	201.71	1/4		1/4		1/4	
1/2	2,341.38	1/2	1,983.43	1/2	1,625.48	1/2	1,267.53	1/2	909.98	1/2	552.19	1/2	194.25	1/2		1/2		1/2	
3/4	2,333.93	3/4	1,975.98	3/4	1,618.03	3/4	1,260.08	3/4	902.54	3/4	544.73	3/4	186.79	3/4		3/4		3/4	
9	2,326.47	9	1,968.52	9	1,610.57	9	1,252.62	9	895.10	9	537.28	9	179.34	9		9		9	
1/4	2,319.01	1/4	1,961.06	1/4	1,603.11	1/4	1,245.16	1/4	887.66	1/4	529.82	1/4	171.88	1/4		1/4		1/4	
1/2	2,311.55	1/2	1,953.60	1/2	1,595.65	1/2	1,237.70	1/2	880.21	1/2	522.36	1/2	164.42	1/2		1/2		1/2	
3/4	2,304.10	3/4	1,946.15	3/4	1,588.20	3/4	1,230.25	3/4	872.77	3/4	514.91	3/4	156.96	3/4		3/4		3/4	
10	2,296.64	10	1,938.69	10	1,580.74	10	1,222.79	10	865.33	10	507.45	10	149.51	10		10		10	
1/4	2,289.18	1/4	1,931.23	1/4	1,573.28	1/4	1,215.33	1/4	857.89	1/4	499.99	1/4	142.05	1/4		1/4		1/4	
1/2	2,281.73	1/2	1,923.78	1/2	1,565.82	1/2	1,207.87	1/2	850.44	1/2	492.53	1/2	134.59	1/2		1/2		1/2	
3/4	2,274.27	3/4	1,916.32	3/4	1,558.37	3/4	1,200.42	3/4	843.00	3/4	485.08	3/4	127.14	3/4		3/4		3/4	
11	2,266.81	11	1,908.86	11	1,550.91	11	1,192.96	11	835.55	11	477.62	11	119.68	11		11		11	
1/4	2,259.35	1/4	1,901.40	1/4	1,543.45	1/4	1,185.50	1/4	828.10	1/4	470.16	1/4	112.22	1/4		1/4		1/4	
1/2	2,251.90	1/2	1,893.95	1/2	1,536.00	1/2	1,178.05	1/2	820.65	1/2	462.71	1/2	104.76	1/2		1/2		1/2	
3/4	2,244.44	3/4	1,886.49	3/4	1,528.54	3/4	1,170.59	3/4	813.19	3/4	455.25	3/4	97.31	3/4		3/4		3/4	

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