



BARGE "HTCO 3099"

ULLAGE (HERMETIC)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8
1 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8
2 PORT	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8
2 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8
3 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-1/2	00-1/2
3 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 237'-09"

August 8, 2023

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
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BARGE "HTCO 3099"

1 PORT ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 17'-03 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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

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" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-07" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "HTCO 3099"

1 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	2,555.04	0	2,196.74	0	1,838.44	0	1,480.15	0	1,121.88	0	765.72	0	411.67	0	95.62	0		0	
1/4	2,547.57	1/4	2,189.28	1/4	1,830.98	1/4	1,472.68	1/4	1,114.43	1/4	758.28	1/4	404.62	1/4	89.51	1/4		1/4	
1/2	2,540.11	1/2	2,181.81	1/2	1,823.52	1/2	1,465.22	1/2	1,106.98	1/2	750.84	1/2	397.56	1/2	83.40	1/2		1/2	
3/4	2,532.64	3/4	2,174.35	3/4	1,816.05	3/4	1,457.76	3/4	1,099.55	3/4	743.38	3/4	390.59	3/4	77.37	3/4		3/4	
1	2,525.18	1	2,166.88	1	1,808.59	1	1,450.29	1	1,092.11	1	735.91	1	383.61	1	71.34	1		1	
1/4	2,517.71	1/4	2,159.42	1/4	1,801.12	1/4	1,442.83	1/4	1,084.68	1/4	728.45	1/4	376.64	1/4	65.31	1/4		1/4	
1/2	2,510.25	1/2	2,151.95	1/2	1,793.66	1/2	1,435.36	1/2	1,077.24	1/2	720.98	1/2	369.66	1/2	59.28	1/2		1/2	
3/4	2,502.79	3/4	2,144.49	3/4	1,786.19	3/4	1,427.90	3/4	1,069.81	3/4	713.52	3/4	362.76	3/4	53.80	3/4		3/4	
2	2,495.32	2	2,137.02	2	1,778.73	2	1,420.43	2	1,062.39	2	706.06	2	355.86	2	48.31	2		2	
1/4	2,487.86	1/4	2,129.56	1/4	1,771.26	1/4	1,412.97	1/4	1,054.96	1/4	698.59	1/4	348.96	1/4	42.83	1/4		1/4	
1/2	2,480.39	1/2	2,122.10	1/2	1,763.80	1/2	1,405.50	1/2	1,047.53	1/2	691.13	1/2	342.06	1/2	37.35	1/2		1/2	
3/4	2,472.93	3/4	2,114.63	3/4	1,756.34	3/4	1,398.04	3/4	1,040.11	3/4	683.66	3/4	335.24	3/4	33.35	3/4		3/4	
3	2,465.46	3	2,107.17	3	1,748.87	3	1,390.57	3	1,032.69	3	676.20	3	328.41	3	29.35	3		3	
1/4	2,458.00	1/4	2,099.70	1/4	1,741.41	1/4	1,383.11	1/4	1,025.27	1/4	668.73	1/4	321.59	1/4	25.35	1/4		1/4	
1/2	2,450.53	1/2	2,092.24	1/2	1,733.94	1/2	1,375.65	1/2	1,017.85	1/2	661.27	1/2	314.76	1/2	21.35	1/2		1/2	
3/4	2,443.07	3/4	2,084.77	3/4	1,726.48	3/4	1,368.18	3/4	1,010.43	3/4	653.81	3/4	308.01	3/4	18.44	3/4		3/4	
4	2,435.60	4	2,077.31	4	1,719.01	4	1,360.72	4	1,003.01	4	646.34	4	301.27	4		4		4	
1/4	2,428.14	1/4	2,069.84	1/4	1,711.55	1/4	1,353.25	1/4	995.60	1/4	638.88	1/4	294.52	1/4		1/4		1/4	
1/2	2,420.68	1/2	2,062.38	1/2	1,704.08	1/2	1,345.79	1/2	988.18	1/2	631.41	1/2	287.78	1/2		1/2		1/2	
3/4	2,413.21	3/4	2,054.92	3/4	1,696.62	3/4	1,338.32	3/4	980.77	3/4	623.95	3/4	281.11	3/4		3/4		3/4	
5	2,405.75	5	2,047.45	5	1,689.15	5	1,330.86	5	973.35	5	616.48	5	274.45	5		5		5	
1/4	2,398.28	1/4	2,039.99	1/4	1,681.69	1/4	1,323.39	1/4	965.94	1/4	609.02	1/4	267.78	1/4		1/4		1/4	
1/2	2,390.82	1/2	2,032.52	1/2	1,674.23	1/2	1,315.93	1/2	958.52	1/2	601.56	1/2	261.12	1/2		1/2		1/2	
3/4	2,383.35	3/4	2,025.06	3/4	1,666.76	3/4	1,308.47	3/4	951.11	3/4	594.09	3/4	254.53	3/4		3/4		3/4	
6	2,375.89	6	2,017.59	6	1,659.30	6	1,301.00	6	943.70	6	586.63	6	247.95	6		6		6	
1/4	2,368.42	1/4	2,010.13	1/4	1,651.83	1/4	1,293.54	1/4	936.28	1/4	579.16	1/4	241.36	1/4		1/4		1/4	
1/2	2,360.96	1/2	2,002.66	1/2	1,644.37	1/2	1,286.07	1/2	928.87	1/2	571.70	1/2	234.78	1/2		1/2		1/2	
3/4	2,353.50	3/4	1,995.20	3/4	1,636.90	3/4	1,278.61	3/4	921.46	3/4	564.26	3/4	228.28	3/4		3/4		3/4	
7	2,346.03	7	1,987.73	7	1,629.44	7	1,271.14	7	914.04	7	556.81	7	221.77	7		7		7	
1/4	2,338.57	1/4	1,980.27	1/4	1,621.97	1/4	1,263.68	1/4	906.63	1/4	549.37	1/4	215.27	1/4		1/4		1/4	
1/2	2,331.10	1/2	1,972.81	1/2	1,614.51	1/2	1,256.21	1/2	899.22	1/2	541.93	1/2	208.77	1/2		1/2		1/2	
3/4	2,323.64	3/4	1,965.34	3/4	1,607.05	3/4	1,248.75	3/4	891.80	3/4	534.55	3/4	202.35	3/4		3/4		3/4	
8	2,316.17	8	1,957.88	8	1,599.58	8	1,241.28	8	884.39	8	527.17	8	195.93	8		8		8	
1/4	2,308.71	1/4	1,950.41	1/4	1,592.12	1/4	1,233.82	1/4	876.97	1/4	519.79	1/4	189.51	1/4		1/4		1/4	
1/2	2,301.24	1/2	1,942.95	1/2	1,584.65	1/2	1,226.36	1/2	869.56	1/2	512.41	1/2	183.09	1/2		1/2		1/2	
3/4	2,293.78	3/4	1,935.48	3/4	1,577.19	3/4	1,218.89	3/4	862.15	3/4	505.11	3/4	176.74	3/4		3/4		3/4	
9	2,286.31	9	1,928.02	9	1,569.72	9	1,211.43	9	854.73	9	497.81	9	170.40	9		9		9	
1/4	2,278.85	1/4	1,920.55	1/4	1,562.26	1/4	1,203.96	1/4	847.32	1/4	490.51	1/4	164.05	1/4		1/4		1/4	
1/2	2,271.39	1/2	1,913.09	1/2	1,554.79	1/2	1,196.50	1/2	839.91	1/2	483.21	1/2	157.70	1/2		1/2		1/2	
3/4	2,263.92	3/4	1,905.63	3/4	1,547.33	3/4	1,189.03	3/4	832.49	3/4	475.99	3/4	151.43	3/4		3/4		3/4	
10	2,256.46	10	1,898.16	10	1,539.86	10	1,181.57	10	825.08	10	468.77	10	145.16	10		10		10	
1/4	2,248.99	1/4	1,890.70	1/4	1,532.40	1/4	1,174.10	1/4	817.67	1/4	461.55	1/4	138.89	1/4		1/4		1/4	
1/2	2,241.53	1/2	1,883.23	1/2	1,524.94	1/2	1,166.64	1/2	810.25	1/2	454.34	1/2	132.61	1/2		1/2		1/2	
3/4	2,234.06	3/4	1,875.77	3/4	1,517.47	3/4	1,159.18	3/4	802.84	3/4	447.20	3/4	126.42	3/4		3/4		3/4	
11	2,226.60	11	1,868.30	11	1,510.01	11	1,151.71	11	795.43	11	440.06	11	120.23	11		11		11	
1/4	2,219.13	1/4	1,860.84	1/4	1,502.54	1/4	1,144.25	1/4	788.01	1/4	432.92	1/4	114.04	1/4		1/4		1/4	
1/2	2,211.67	1/2	1,853.37	1/2	1,495.08	1/2	1,136.78	1/2	780.60	1/2	425.78	1/2	107.85	1/2		1/2		1/2	
3/4	2,204.21	3/4	1,845.91	3/4	1,487.61	3/4	1,129.33	3/4	773.16	3/4	418.73	3/4	101.73	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/22/2013 CL
RECALCULATED: 10/24/2018 CL
VERIFIED: 08/08/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

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



BARGE "HTCO 3099"

1 STBD ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 17'-03 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,702.97	0	4,346.31	0	3,988.38	0	3,630.37	0	3,272.36	0	2,914.35
1/4		1/4		1/4		1/4		1/4	4,695.57	1/4	4,338.88	1/4	3,980.93	1/4	3,622.91	1/4	3,264.90	1/4	2,906.89
1/2		1/2		1/2		1/2		1/2	4,688.17	1/2	4,331.44	1/2	3,973.47	1/2	3,615.45	1/2	3,257.44	1/2	2,899.43
3/4		3/4		3/4		3/4		3/4	4,680.78	3/4	4,323.99	3/4	3,966.01	3/4	3,608.00	3/4	3,249.98	3/4	2,891.97
1		1		1		1		1	4,673.38	1	4,316.54	1	3,958.55	1	3,600.54	1	3,242.52	1	2,884.51
1/4		1/4		1/4		1/4		1/4	5,009.42	1/4	4,665.98	1/4	4,309.09	1/4	3,951.09	1/4	3,593.08	1/4	3,235.07
1/2		1/2		1/2		1/2		1/2	5,004.69	1/2	4,658.59	1/2	4,301.65	1/2	3,943.63	1/2	3,585.62	1/2	3,227.61
3/4		3/4		3/4		3/4		3/4	4,998.88	3/4	4,651.17	3/4	4,294.19	3/4	3,936.17	3/4	3,578.16	3/4	3,220.15
2		2		2		2		2	4,993.08	2	4,643.75	2	4,286.73	2	3,928.72	2	3,570.70	2	3,212.69
1/4		1/4		1/4		1/4		1/4	4,987.28	1/4	4,636.33	1/4	4,279.27	1/4	3,921.26	1/4	3,563.24	1/4	3,205.23
1/2		1/2		1/2		1/2		1/2	4,981.48	1/2	4,628.92	1/2	4,271.81	1/2	3,913.80	1/2	3,555.79	1/2	3,197.77
3/4		3/4		3/4		3/4		3/4	4,974.68	3/4	4,621.48	3/4	4,264.35	3/4	3,906.34	3/4	3,548.33	3/4	3,190.31
3		3		3		3		3	4,967.88	3	4,614.04	3	4,256.89	3	3,898.88	3	3,540.87	3	3,182.86
1/4		1/4		1/4		1/4		1/4	4,961.08	1/4	4,606.61	1/4	4,249.43	1/4	3,891.42	1/4	3,533.41	1/4	3,175.40
1/2		1/2		1/2		1/2		1/2	4,954.28	1/2	4,599.17	1/2	4,241.98	1/2	3,883.96	1/2	3,525.95	1/2	3,167.94
3/4		3/4		3/4		3/4		3/4	4,946.94	3/4	4,591.73	3/4	4,234.52	3/4	3,876.50	3/4	3,518.49	3/4	3,160.48
4		4		4		4		4	4,939.61	4	4,584.30	4	4,227.06	4	3,869.05	4	3,511.03	4	3,153.02
1/4		1/4		1/4		1/4		1/4	4,932.27	1/4	4,576.86	1/4	4,219.60	1/4	3,861.59	1/4	3,503.57	1/4	3,145.56
1/2		1/2		1/2		1/2		1/2	4,924.94	1/2	4,569.42	1/2	4,212.14	1/2	3,854.13	1/2	3,496.12	1/2	3,138.10
3/4		3/4		3/4		3/4		3/4	4,917.54	3/4	4,561.98	3/4	4,204.68	3/4	3,846.67	3/4	3,488.66	3/4	3,130.64
5		5		5		5		5	4,910.14	5	4,554.55	5	4,197.22	5	3,839.21	5	3,481.20	5	3,123.19
1/4		1/4		1/4		1/4		1/4	4,902.74	1/4	4,547.11	1/4	4,189.77	1/4	3,831.75	1/4	3,473.74	1/4	3,115.73
1/2		1/2		1/2		1/2		1/2	4,895.34	1/2	4,539.67	1/2	4,182.31	1/2	3,824.29	1/2	3,466.28	1/2	3,108.27
3/4		3/4		3/4		3/4		3/4	4,887.93	3/4	4,532.24	3/4	4,174.85	3/4	3,816.84	3/4	3,458.82	3/4	3,100.81
6		6		6		6		6	4,880.53	6	4,524.80	6	4,167.39	6	3,809.38	6	3,451.36	6	3,093.35
1/4		1/4		1/4		1/4		1/4	4,873.13	1/4	4,517.36	1/4	4,159.93	1/4	3,801.92	1/4	3,443.91	1/4	3,085.89
1/2		1/2		1/2		1/2		1/2	4,865.73	1/2	4,509.93	1/2	4,152.47	1/2	3,794.46	1/2	3,436.45	1/2	3,078.43
3/4		3/4		3/4		3/4		3/4	4,858.33	3/4	4,502.49	3/4	4,145.01	3/4	3,787.00	3/4	3,428.99	3/4	3,070.98
7		7		7		7		7	4,850.93	7	4,495.05	7	4,137.56	7	3,779.54	7	3,421.53	7	3,063.52
1/4		1/4		1/4		1/4		1/4	4,843.53	1/4	4,487.62	1/4	4,130.10	1/4	3,772.08	1/4	3,414.07	1/4	3,056.06
1/2		1/2		1/2		1/2		1/2	4,836.13	1/2	4,480.18	1/2	4,122.64	1/2	3,764.63	1/2	3,406.61	1/2	3,048.60
3/4		3/4		3/4		3/4		3/4	4,828.73	3/4	4,472.74	3/4	4,115.18	3/4	3,757.17	3/4	3,399.15	3/4	3,041.14
8		8		8		8		8	4,821.33	8	4,465.31	8	4,107.72	8	3,749.71	8	3,391.70	8	3,033.68
1/4		1/4		1/4		1/4		1/4	4,813.93	1/4	4,457.87	1/4	4,100.26	1/4	3,742.25	1/4	3,384.24	1/4	3,026.22
1/2		1/2		1/2		1/2		1/2	4,806.53	1/2	4,450.43	1/2	4,092.80	1/2	3,734.79	1/2	3,376.78	1/2	3,018.77
3/4		3/4		3/4		3/4		3/4	4,799.13	3/4	4,442.99	3/4	4,085.35	3/4	3,727.33	3/4	3,369.32	3/4	3,011.31
9		9		9		9		9	4,791.74	9	4,435.56	9	4,077.89	9	3,719.87	9	3,361.86	9	3,003.85
1/4		1/4		1/4		1/4		1/4	4,784.34	1/4	4,428.12	1/4	4,070.43	1/4	3,712.42	1/4	3,354.40	1/4	2,996.39
1/2		1/2		1/2		1/2		1/2	4,776.94	1/2	4,420.68	1/2	4,062.97	1/2	3,704.96	1/2	3,346.94	1/2	2,988.93
3/4		3/4		3/4		3/4		3/4	4,769.54	3/4	4,413.25	3/4	4,055.51	3/4	3,697.50	3/4	3,339.49	3/4	2,981.47
10		10		10		10		10	4,762.15	10	4,405.81	10	4,048.05	10	3,690.04	10	3,332.03	10	2,974.01
1/4		1/4		1/4		1/4		1/4	4,754.75	1/4	4,398.37	1/4	4,040.59	1/4	3,682.58	1/4	3,324.57	1/4	2,966.56
1/2		1/2		1/2		1/2		1/2	4,747.35	1/2	4,390.94	1/2	4,033.14	1/2	3,675.12	1/2	3,317.11	1/2	2,959.10
3/4		3/4		3/4		3/4		3/4	4,739.95	3/4	4,383.50	3/4	4,025.68	3/4	3,667.66	3/4	3,309.65	3/4	2,951.64
11		11		11		11		11	4,732.56	11	4,376.06	11	4,018.22	11	3,660.21	11	3,302.19	11	2,944.18
1/4		1/4		1/4		1/4		1/4	4,725.16	1/4	4,368.63	1/4	4,010.76	1/4	3,652.75	1/4	3,294.73	1/4	2,936.72
1/2		1/2		1/2		1/2		1/2	4,717.76	1/2	4,361.19	1/2	4,003.30	1/2	3,645.29	1/2	3,287.28	1/2	2,929.26
3/4		3/4		3/4		3/4		3/4	4,710.37	3/4	4,353.75	3/4	3,995.84	3/4	3,637.83	3/4	3,279.82	3/4	2,921.81

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" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-07" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD.

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

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



BARGE "HTCO 3099"

1 STBD

ULLAGE TABLE
HERMETIC

GAUGE HEIGHT 17'-03 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,556.15	0	2,197.94	0	1,839.73	0	1,481.52	0	1,123.31	0	765.59	0	411.65	0	95.63	0		0	
1/4	2,548.69	1/4	2,190.48	1/4	1,832.27	1/4	1,474.06	1/4	1,115.85	1/4	758.13	1/4	404.59	1/4	89.51	1/4		1/4	
1/2	2,541.22	1/2	2,183.01	1/2	1,824.80	1/2	1,466.59	1/2	1,108.38	1/2	750.68	1/2	397.54	1/2	83.40	1/2		1/2	
3/4	2,533.76	3/4	2,175.55	3/4	1,817.34	3/4	1,459.13	3/4	1,100.92	3/4	743.21	3/4	390.56	3/4	77.37	3/4		3/4	
1	2,526.30	1	2,168.09	1	1,809.88	1	1,451.67	1	1,093.46	1	735.75	1	383.59	1	71.34	1		1	
1/4	2,518.83	1/4	2,160.63	1/4	1,802.42	1/4	1,444.21	1/4	1,086.00	1/4	728.29	1/4	376.62	1/4	65.31	1/4		1/4	
1/2	2,511.37	1/2	2,153.16	1/2	1,794.95	1/2	1,436.74	1/2	1,078.53	1/2	720.83	1/2	369.64	1/2	59.28	1/2		1/2	
3/4	2,503.91	3/4	2,145.70	3/4	1,787.49	3/4	1,429.28	3/4	1,071.07	3/4	713.36	3/4	362.74	3/4	53.80	3/4		3/4	
2	2,496.45	2	2,138.24	2	1,780.03	2	1,421.82	2	1,063.62	2	705.90	2	355.85	2	48.32	2		2	
1/4	2,488.98	1/4	2,130.77	1/4	1,772.56	1/4	1,414.36	1/4	1,056.16	1/4	698.44	1/4	348.95	1/4	42.83	1/4		1/4	
1/2	2,481.52	1/2	2,123.31	1/2	1,765.10	1/2	1,406.89	1/2	1,048.70	1/2	690.98	1/2	342.05	1/2	37.35	1/2		1/2	
3/4	2,474.06	3/4	2,115.85	3/4	1,757.64	3/4	1,399.43	3/4	1,041.24	3/4	683.51	3/4	335.22	3/4	33.35	3/4		3/4	
3	2,466.60	3	2,108.39	3	1,750.18	3	1,391.97	3	1,033.78	3	676.05	3	328.40	3	29.35	3		3	
1/4	2,459.13	1/4	2,100.92	1/4	1,742.71	1/4	1,384.50	1/4	1,026.33	1/4	668.59	1/4	321.57	1/4	25.35	1/4		1/4	
1/2	2,451.67	1/2	2,093.46	1/2	1,735.25	1/2	1,377.04	1/2	1,018.87	1/2	661.13	1/2	314.75	1/2	21.35	1/2		1/2	
3/4	2,444.21	3/4	2,086.00	3/4	1,727.79	3/4	1,369.58	3/4	1,011.42	3/4	653.66	3/4	308.00	3/4	18.43	3/4		3/4	
4	2,436.75	4	2,078.54	4	1,720.33	4	1,362.12	4	1,003.97	4	646.20	4	301.26	4		4		4	
1/4	2,429.28	1/4	2,071.07	1/4	1,712.86	1/4	1,354.65	1/4	996.51	1/4	638.74	1/4	294.51	1/4		1/4		1/4	
1/2	2,421.82	1/2	2,063.61	1/2	1,705.40	1/2	1,347.19	1/2	989.06	1/2	631.28	1/2	287.77	1/2		1/2		1/2	
3/4	2,414.36	3/4	2,056.15	3/4	1,697.94	3/4	1,339.73	3/4	981.61	3/4	623.81	3/4	281.10	3/4		3/4		3/4	
5	2,406.89	5	2,048.68	5	1,690.48	5	1,332.27	5	974.17	5	616.35	5	274.44	5	5	5		5	
1/4	2,399.43	1/4	2,041.22	1/4	1,683.01	1/4	1,324.80	1/4	966.72	1/4	608.89	1/4	267.77	1/4		1/4		1/4	
1/2	2,391.97	1/2	2,033.76	1/2	1,675.55	1/2	1,317.34	1/2	959.27	1/2	601.43	1/2	261.11	1/2		1/2		1/2	
3/4	2,384.51	3/4	2,026.30	3/4	1,668.09	3/4	1,309.88	3/4	951.82	3/4	593.96	3/4	254.53	3/4		3/4		3/4	
6	2,377.04	6	2,018.83	6	1,660.62	6	1,302.41	6	944.37	6	586.50	6	247.94	6	6	6		6	
1/4	2,369.58	1/4	2,011.37	1/4	1,653.16	1/4	1,294.95	1/4	936.92	1/4	579.04	1/4	241.36	1/4		1/4		1/4	
1/2	2,362.12	1/2	2,003.91	1/2	1,645.70	1/2	1,287.49	1/2	929.47	1/2	571.58	1/2	234.78	1/2		1/2		1/2	
3/4	2,354.66	3/4	1,996.45	3/4	1,638.24	3/4	1,280.03	3/4	922.02	3/4	564.14	3/4	228.27	3/4		3/4		3/4	
7	2,347.19	7	1,988.98	7	1,630.77	7	1,272.56	7	914.57	7	556.70	7	221.77	7	7	7		7	
1/4	2,339.73	1/4	1,981.52	1/4	1,623.31	1/4	1,265.10	1/4	907.13	1/4	549.27	1/4	215.27	1/4		1/4		1/4	
1/2	2,332.27	1/2	1,974.06	1/2	1,615.85	1/2	1,257.64	1/2	899.68	1/2	541.83	1/2	208.77	1/2		1/2		1/2	
3/4	2,324.80	3/4	1,966.60	3/4	1,608.39	3/4	1,250.18	3/4	892.23	3/4	534.46	3/4	202.35	3/4		3/4		3/4	
8	2,317.34	8	1,959.13	8	1,600.92	8	1,242.71	8	884.78	8	527.09	8	195.93	8	8	8		8	
1/4	2,309.88	1/4	1,951.67	1/4	1,593.46	1/4	1,235.25	1/4	877.33	1/4	519.72	1/4	189.51	1/4		1/4		1/4	
1/2	2,302.42	1/2	1,944.21	1/2	1,586.00	1/2	1,227.79	1/2	869.88	1/2	512.35	1/2	183.09	1/2		1/2		1/2	
3/4	2,294.95	3/4	1,936.74	3/4	1,578.53	3/4	1,220.33	3/4	862.43	3/4	505.05	3/4	176.74	3/4		3/4		3/4	
9	2,287.49	9	1,929.28	9	1,571.07	9	1,212.86	9	854.98	9	497.76	9	170.40	9	9	9		9	
1/4	2,280.03	1/4	1,921.82	1/4	1,563.61	1/4	1,205.40	1/4	847.54	1/4	490.46	1/4	164.05	1/4		1/4		1/4	
1/2	2,272.57	1/2	1,914.36	1/2	1,556.15	1/2	1,197.94	1/2	840.09	1/2	483.17	1/2	157.71	1/2		1/2		1/2	
3/4	2,265.10	3/4	1,906.89	3/4	1,548.68	3/4	1,190.47	3/4	832.64	3/4	475.95	3/4	151.43	3/4		3/4		3/4	
10	2,257.64	10	1,899.43	10	1,541.22	10	1,183.01	10	825.19	10	468.73	10	145.16	10	10	10		10	
1/4	2,250.18	1/4	1,891.97	1/4	1,533.76	1/4	1,175.55	1/4	817.74	1/4	461.52	1/4	138.89	1/4		1/4		1/4	
1/2	2,242.72	1/2	1,884.51	1/2	1,526.30	1/2	1,168.09	1/2	810.29	1/2	454.30	1/2	132.62	1/2		1/2		1/2	
3/4	2,235.25	3/4	1,877.04	3/4	1,518.83	3/4	1,160.62	3/4	802.84	3/4	447.16	3/4	126.42	3/4		3/4		3/4	
11	2,227.79	11	1,869.58	11	1,511.37	11	1,153.16	11	795.39	11	440.03	11	120.23	11	11	11		11	
1/4	2,220.33	1/4	1,862.12	1/4	1,503.91	1/4	1,145.70	1/4	787.95	1/4	432.89	1/4	114.04	1/4		1/4		1/4	
1/2	2,212.86	1/2	1,854.65	1/2	1,496.45	1/2	1,138.24	1/2	780.50	1/2	425.75	1/2	107.85	1/2		1/2		1/2	
3/4	2,205.40	3/4	1,847.19	3/4	1,488.98	3/4	1,130.77	3/4	773.04	3/4	418.70	3/4	101.74	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/22/2013 CL
RECALCULATED: 10/24/2018 CL
VERIFIED: 08/08/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

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



BARGE "HTCO 3099"

2 PORT 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	4,761.12	0	4,403.16	0	4,043.97	0	3,684.73	0	3,325.50	0	2,966.27
1/4		1/4		1/4		1/4		1/4	4,753.70	1/4	4,395.69	1/4	4,036.48	1/4	3,677.25	1/4	3,318.01	1/4	2,958.78
1/2		1/2		1/2		1/2		1/2	4,746.27	1/2	4,388.22	1/2	4,029.00	1/2	3,669.76	1/2	3,310.53	1/2	2,951.29
3/4		3/4		3/4		3/4		3/4	5,083.49	3/4	4,738.85	3/4	4,380.74	3/4	4,021.52	3/4	3,662.28	3/4	3,303.04
1		1		1		1		1	5,078.74	1	4,731.43	1	4,373.27	1	4,014.03	1	3,654.80	1	2,936.32
1/4		1/4		1/4		1/4		1/4	5,072.91	1/4	4,723.99	1/4	4,365.79	1/4	4,006.55	1/4	3,647.31	1/4	2,928.83
1/2		1/2		1/2		1/2		1/2	5,067.09	1/2	4,716.54	1/2	4,358.30	1/2	3,999.06	1/2	3,639.83	1/2	2,921.34
3/4		3/4		3/4		3/4		3/4	5,061.27	3/4	4,709.10	3/4	4,350.82	3/4	3,991.58	3/4	3,632.34	3/4	2,913.85
2		2		2		2		2	5,055.45	2	4,701.66	2	4,343.33	2	3,984.10	2	3,624.86	2	2,906.36
1/4		1/4		1/4		1/4		1/4	5,048.62	1/4	4,694.20	1/4	4,335.85	1/4	3,976.61	1/4	3,617.38	1/4	2,898.87
1/2		1/2		1/2		1/2		1/2	5,041.80	1/2	4,686.73	1/2	4,328.36	1/2	3,969.13	1/2	3,609.89	1/2	2,891.39
3/4		3/4		3/4		3/4		3/4	5,034.97	3/4	4,679.27	3/4	4,320.88	3/4	3,961.64	3/4	3,602.41	3/4	2,883.90
3		3		3		3		3	5,028.15	3	4,671.81	3	4,313.40	3	3,954.16	3	3,594.92	3	2,876.41
1/4		1/4		1/4		1/4		1/4	5,020.78	1/4	4,664.35	1/4	4,305.91	1/4	3,946.68	1/4	3,587.44	1/4	2,868.92
1/2		1/2		1/2		1/2		1/2	5,013.42	1/2	4,656.89	1/2	4,298.43	1/2	3,939.19	1/2	3,579.95	1/2	2,861.43
3/4		3/4		3/4		3/4		3/4	5,006.06	3/4	4,649.42	3/4	4,290.94	3/4	3,931.71	3/4	3,572.47	3/4	2,853.95
4		4		4		4		4	4,998.70	4	4,641.96	4	4,283.46	4	3,924.22	4	3,564.99	4	2,846.46
1/4		1/4		1/4		1/4		1/4	4,991.28	1/4	4,634.50	1/4	4,275.98	1/4	3,916.74	1/4	3,557.50	1/4	2,838.97
1/2		1/2		1/2		1/2		1/2	4,983.85	1/2	4,627.04	1/2	4,268.49	1/2	3,909.26	1/2	3,550.02	1/2	2,831.48
3/4		3/4		3/4		3/4		3/4	4,976.42	3/4	4,619.57	3/4	4,261.01	3/4	3,901.77	3/4	3,542.53	3/4	2,823.99
5		5		5		5		5	4,969.00	5	4,612.11	5	4,253.52	5	3,894.29	5	3,535.05	5	2,816.50
1/4		1/4		1/4		1/4		1/4	4,961.57	1/4	4,604.65	1/4	4,246.04	1/4	3,886.80	1/4	3,527.57	1/4	2,809.02
1/2		1/2		1/2		1/2		1/2	4,954.14	1/2	4,597.19	1/2	4,238.56	1/2	3,879.32	1/2	3,520.08	1/2	2,801.53
3/4		3/4		3/4		3/4		3/4	4,946.72	3/4	4,589.72	3/4	4,231.07	3/4	3,871.83	3/4	3,512.60	3/4	2,794.04
6		6		6		6		6	4,939.29	6	4,582.26	6	4,223.59	6	3,864.35	6	3,505.11	6	2,786.55
1/4		1/4		1/4		1/4		1/4	4,931.86	1/4	4,574.80	1/4	4,216.10	1/4	3,856.87	1/4	3,497.63	1/4	2,779.06
1/2		1/2		1/2		1/2		1/2	4,924.44	1/2	4,567.34	1/2	4,208.62	1/2	3,849.38	1/2	3,490.15	1/2	2,771.58
3/4		3/4		3/4		3/4		3/4	4,917.01	3/4	4,559.87	3/4	4,201.14	3/4	3,841.90	3/4	3,482.66	3/4	2,764.09
7		7		7		7		7	4,909.58	7	4,552.41	7	4,193.65	7	3,834.41	7	3,475.18	7	2,756.60
1/4		1/4		1/4		1/4		1/4	4,902.16	1/4	4,544.95	1/4	4,186.17	1/4	3,826.93	1/4	3,467.69	1/4	2,749.11
1/2		1/2		1/2		1/2		1/2	4,894.73	1/2	4,537.49	1/2	4,178.68	1/2	3,819.45	1/2	3,460.21	1/2	2,741.62
3/4		3/4		3/4		3/4		3/4	4,887.31	3/4	4,530.02	3/4	4,171.20	3/4	3,811.96	3/4	3,452.73	3/4	2,734.13
8		8		8		8		8	4,879.88	8	4,522.56	8	4,163.71	8	3,804.48	8	3,445.24	8	2,726.65
1/4		1/4		1/4		1/4		1/4	4,872.46	1/4	4,515.10	1/4	4,156.23	1/4	3,796.99	1/4	3,437.76	1/4	2,719.16
1/2		1/2		1/2		1/2		1/2	4,865.04	1/2	4,507.64	1/2	4,148.75	1/2	3,789.51	1/2	3,430.27	1/2	2,711.67
3/4		3/4		3/4		3/4		3/4	4,857.62	3/4	4,500.17	3/4	4,141.26	3/4	3,782.03	3/4	3,422.79	3/4	2,704.18
9		9		9		9		9	4,850.19	9	4,492.71	9	4,133.78	9	3,774.54	9	3,415.30	9	2,696.69
1/4		1/4		1/4		1/4		1/4	4,842.77	1/4	4,485.25	1/4	4,126.29	1/4	3,767.06	1/4	3,407.82	1/4	2,689.20
1/2		1/2		1/2		1/2		1/2	4,835.35	1/2	4,477.79	1/2	4,118.81	1/2	3,759.57	1/2	3,400.34	1/2	2,681.72
3/4		3/4		3/4		3/4		3/4	4,827.92	3/4	4,470.33	3/4	4,111.33	3/4	3,752.09	3/4	3,392.85	3/4	2,674.23
10		10		10		10		10	4,820.50	10	4,462.86	10	4,103.84	10	3,744.61	10	3,385.37	10	2,666.74
1/4		1/4		1/4		1/4		1/4	4,813.08	1/4	4,455.40	1/4	4,096.36	1/4	3,737.12	1/4	3,377.88	1/4	2,659.25
1/2		1/2		1/2		1/2		1/2	4,805.66	1/2	4,447.94	1/2	4,088.87	1/2	3,729.64	1/2	3,370.40	1/2	2,651.76
3/4		3/4		3/4		3/4		3/4	4,798.23	3/4	4,440.48	3/4	4,081.39	3/4	3,722.15	3/4	3,362.92	3/4	2,644.28
11		11		11		11		11	4,790.81	11	4,433.01	11	4,073.91	11	3,714.67	11	3,355.43	11	2,636.79
1/4		1/4		1/4		1/4		1/4	4,783.39	1/4	4,425.55	1/4	4,066.42	1/4	3,707.18	1/4	3,347.95	1/4	2,629.30
1/2		1/2		1/2		1/2		1/2	4,775.97	1/2	4,418.09	1/2	4,058.94	1/2	3,699.70	1/2	3,340.46	1/2	2,621.81
3/4		3/4		3/4		3/4		3/4	4,768.54	3/4	4,410.63	3/4	4,051.45	3/4	3,692.22	3/4	3,332.98	3/4	2,614.32

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-07" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HTCO 3099"

2 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	2,606.83	0	2,247.40	0	1,887.97	0	1,528.53	0	1,169.67	0	824.04	0	464.62	0	105.20	0		0	
1/4	2,599.35	1/4	2,239.91	1/4	1,880.48	1/4	1,521.05	1/4	1,162.46	1/4	816.56	1/4	457.13	1/4	97.71	1/4		1/4	
1/2	2,591.86	1/2	2,232.42	1/2	1,872.99	1/2	1,513.56	1/2	1,155.26	1/2	809.07	1/2	449.64	1/2	90.22	1/2		1/2	
3/4	2,584.37	3/4	2,224.94	3/4	1,865.50	3/4	1,506.07	3/4	1,148.05	3/4	801.58	3/4	442.16	3/4	82.73	3/4		3/4	
1	2,576.88	1	2,217.45	1	1,858.01	1	1,498.58	1	1,140.84	1	794.09	1	434.67	1	75.24	1		1	
1/4	2,569.39	1/4	2,209.96	1/4	1,850.53	1/4	1,491.09	1/4	1,133.65	1/4	786.60	1/4	427.18	1/4	68.22	1/4		1/4	
1/2	2,561.91	1/2	2,202.47	1/2	1,843.04	1/2	1,483.60	1/2	1,126.45	1/2	779.12	1/2	419.69	1/2	61.20	1/2		1/2	
3/4	2,554.42	3/4	2,194.98	3/4	1,835.55	3/4	1,476.12	3/4	1,119.25	3/4	771.63	3/4	412.20	3/4	54.18	3/4		3/4	
2	2,546.93	2	2,187.50	2	1,828.06	2	1,468.63	2	1,112.05	2	764.14	2	404.72	2	47.16	2		2	
1/4	2,539.44	1/4	2,180.01	1/4	1,820.57	1/4	1,461.14	1/4	1,104.86	1/4	756.65	1/4	397.23	1/4	41.55	1/4		1/4	
1/2	2,531.95	1/2	2,172.52	1/2	1,813.09	1/2	1,453.65	1/2	1,097.67	1/2	749.16	1/2	389.74	1/2	35.93	1/2		1/2	
3/4	2,524.46	3/4	2,165.03	3/4	1,805.60	3/4	1,446.16	3/4	1,090.48	3/4	741.68	3/4	382.25	3/4	30.32	3/4		3/4	
3	2,516.98	3	2,157.54	3	1,798.11	3	1,438.68	3	1,083.28	3	734.19	3	374.76	3	24.70	3		3	
1/4	2,509.49	1/4	2,150.05	1/4	1,790.62	1/4	1,431.19	1/4	1,076.10	1/4	726.70	1/4	367.28	1/4	20.96	1/4		1/4	
1/2	2,502.00	1/2	2,142.57	1/2	1,783.13	1/2	1,423.70	1/2	1,068.91	1/2	719.21	1/2	359.79	1/2		1/2		1/2	
3/4	2,494.51	3/4	2,135.08	3/4	1,775.64	3/4	1,416.21	3/4	1,061.72	3/4	711.72	3/4	352.30	3/4		3/4		3/4	
4	2,487.02	4	2,127.59	4	1,768.16	4	1,408.72	4	1,054.53	4	704.24	4	344.81	4	4	4		4	4
1/4	2,479.54	1/4	2,120.10	1/4	1,760.67	1/4	1,401.23	1/4	1,047.35	1/4	696.75	1/4	337.32	1/4		1/4		1/4	
1/2	2,472.05	1/2	2,112.61	1/2	1,753.18	1/2	1,393.75	1/2	1,040.16	1/2	689.26	1/2	329.84	1/2		1/2		1/2	
3/4	2,464.56	3/4	2,105.13	3/4	1,745.69	3/4	1,386.26	3/4	1,032.98	3/4	681.77	3/4	322.35	3/4		3/4		3/4	
5	2,457.07	5	2,097.64	5	1,738.20	5	1,378.77	5	1,025.80	5	674.28	5	314.86	5	5	5		5	5
1/4	2,449.58	1/4	2,090.15	1/4	1,730.72	1/4	1,371.28	1/4	1,018.61	1/4	666.80	1/4	307.37	1/4		1/4		1/4	
1/2	2,442.09	1/2	2,082.66	1/2	1,723.23	1/2	1,363.79	1/2	1,011.43	1/2	659.31	1/2	299.88	1/2		1/2		1/2	
3/4	2,434.61	3/4	2,075.17	3/4	1,715.74	3/4	1,356.31	3/4	1,004.24	3/4	651.82	3/4	292.40	3/4		3/4		3/4	
6	2,427.12	6	2,067.68	6	1,708.25	6	1,348.82	6	997.06	6	644.33	6	284.91	6	6	6		6	6
1/4	2,419.63	1/4	2,060.20	1/4	1,700.76	1/4	1,341.33	1/4	989.88	1/4	636.84	1/4	277.42	1/4		1/4		1/4	
1/2	2,412.14	1/2	2,052.71	1/2	1,693.27	1/2	1,333.84	1/2	982.69	1/2	629.36	1/2	269.93	1/2		1/2		1/2	
3/4	2,404.65	3/4	2,045.22	3/4	1,685.79	3/4	1,326.35	3/4	975.51	3/4	621.87	3/4	262.44	3/4		3/4		3/4	
7	2,397.17	7	2,037.73	7	1,678.30	7	1,318.86	7	968.32	7	614.38	7	254.96	7	7	7		7	7
1/4	2,389.68	1/4	2,030.24	1/4	1,670.81	1/4	1,311.38	1/4	961.14	1/4	606.89	1/4	247.47	1/4		1/4		1/4	
1/2	2,382.19	1/2	2,022.76	1/2	1,663.32	1/2	1,303.89	1/2	953.96	1/2	599.40	1/2	239.98	1/2		1/2		1/2	
3/4	2,374.70	3/4	2,015.27	3/4	1,655.83	3/4	1,296.40	3/4	946.77	3/4	591.92	3/4	232.49	3/4		3/4		3/4	
8	2,367.21	8	2,007.78	8	1,648.35	8	1,288.91	8	939.59	8	584.43	8	225.00	8	8	8		8	8
1/4	2,359.72	1/4	2,000.29	1/4	1,640.86	1/4	1,281.42	1/4	932.40	1/4	576.94	1/4	217.52	1/4		1/4		1/4	
1/2	2,352.24	1/2	1,992.80	1/2	1,633.37	1/2	1,273.94	1/2	925.22	1/2	569.45	1/2	210.03	1/2		1/2		1/2	
3/4	2,344.75	3/4	1,985.31	3/4	1,625.88	3/4	1,266.45	3/4	918.04	3/4	561.96	3/4	202.54	3/4		3/4		3/4	
9	2,337.26	9	1,977.83	9	1,618.39	9	1,258.96	9	910.85	9	554.48	9	195.05	9	9	9		9	9
1/4	2,329.77	1/4	1,970.34	1/4	1,610.90	1/4	1,251.47	1/4	903.67	1/4	546.99	1/4	187.56	1/4		1/4		1/4	
1/2	2,322.28	1/2	1,962.85	1/2	1,603.42	1/2	1,243.98	1/2	896.48	1/2	539.50	1/2	180.08	1/2		1/2		1/2	
3/4	2,314.79	3/4	1,955.36	3/4	1,595.93	3/4	1,236.49	3/4	889.30	3/4	532.01	3/4	172.59	3/4		3/4		3/4	
10	2,307.31	10	1,947.87	10	1,588.44	10	1,229.01	10	882.11	10	524.52	10	165.10	10	10	10		10	10
1/4	2,299.82	1/4	1,940.38	1/4	1,580.95	1/4	1,221.52	1/4	874.93	1/4	517.04	1/4	157.61	1/4		1/4		1/4	
1/2	2,292.33	1/2	1,932.90	1/2	1,573.46	1/2	1,214.03	1/2	867.75	1/2	509.55	1/2	150.12	1/2		1/2		1/2	
3/4	2,284.84	3/4	1,925.41	3/4	1,565.97	3/4	1,206.54	3/4	860.56	3/4	502.06	3/4	142.64	3/4		3/4		3/4	
11	2,277.35	11	1,917.92	11	1,558.49	11	1,199.05	11	853.38	11	494.57	11	135.15	11	11	11		11	11
1/4	2,269.87	1/4	1,910.43	1/4	1,551.00	1/4	1,191.71	1/4	846.04	1/4	487.08	1/4	127.66	1/4		1/4		1/4	
1/2	2,262.38	1/2	1,902.94	1/2	1,543.51	1/2	1,184.36	1/2	838.71	1/2	479.60	1/2	120.17	1/2		1/2		1/2	
3/4	2,254.89	3/4	1,895.46	3/4	1,536.02	3/4	1,177.01	3/4	831.38	3/4	472.11	3/4	112.68	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/22/2013 CL
RECALCULATED: 10/24/2018 CL
VERIFIED: 08/08/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

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



BARGE "HTCO 3099"

2 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	4,782.44	0	4,424.53	0	4,065.36	0	3,706.12	0	3,346.88	0	2,987.64
1/4		1/4		1/4		1/4		1/4	4,775.02	1/4	4,417.07	1/4	4,057.87	1/4	3,698.64	1/4	3,339.40	1/4	2,980.15
1/2		1/2		1/2		1/2		1/2	4,767.60	1/2	4,409.59	1/2	4,050.39	1/2	3,691.15	1/2	3,331.92	1/2	2,972.66
3/4		3/4		3/4		3/4		3/4	4,760.18	3/4	4,402.12	3/4	4,042.90	3/4	3,683.67	3/4	3,324.43	3/4	2,965.17
1		1		1		1	5,097.38	1	4,752.75	1	4,394.65	1	4,035.42	1	3,676.18	1	3,316.95	1	2,957.68
1/4		1/4		1/4		1/4	5,092.63	1/4	4,745.33	1/4	4,387.17	1/4	4,027.94	1/4	3,668.70	1/4	3,309.46	1/4	2,950.20
1/2		1/2		1/2		1/2	5,086.80	1/2	4,737.89	1/2	4,379.69	1/2	4,020.45	1/2	3,661.22	1/2	3,301.98	1/2	2,942.71
3/4		3/4		3/4		3/4	5,080.98	3/4	4,730.45	3/4	4,372.21	3/4	4,012.97	3/4	3,653.73	3/4	3,294.49	3/4	2,935.22
2		2		2		2	5,075.16	2	4,723.00	2	4,364.72	2	4,005.48	2	3,646.25	2	3,287.01	2	2,927.73
1/4		1/4		1/4		1/4	5,069.34	1/4	4,715.56	1/4	4,357.24	1/4	3,998.00	1/4	3,638.76	1/4	3,279.53	1/4	2,920.24
1/2		1/2		1/2		1/2	5,062.51	1/2	4,708.10	1/2	4,349.75	1/2	3,990.52	1/2	3,631.28	1/2	3,272.04	1/2	2,912.76
3/4		3/4		3/4		3/4	5,055.69	3/4	4,700.64	3/4	4,342.27	3/4	3,983.03	3/4	3,623.80	3/4	3,264.56	3/4	2,905.27
3		3		3		3	5,048.86	3	4,693.17	3	4,334.78	3	3,975.55	3	3,616.31	3	3,257.07	3	2,897.78
1/4		1/4		1/4		1/4	5,042.04	1/4	4,685.71	1/4	4,327.30	1/4	3,968.06	1/4	3,608.83	1/4	3,249.59	1/4	2,890.29
1/2		1/2		1/2		1/2	5,034.68	1/2	4,678.25	1/2	4,319.82	1/2	3,960.58	1/2	3,601.34	1/2	3,242.11	1/2	2,882.80
3/4		3/4		3/4		3/4	5,027.32	3/4	4,670.79	3/4	4,312.33	3/4	3,953.10	3/4	3,593.86	3/4	3,234.62	3/4	2,875.31
4		4		4		4	5,019.96	4	4,663.32	4	4,304.85	4	3,945.61	4	3,586.37	4	3,227.14	4	2,867.83
1/4		1/4		1/4		1/4	5,012.60	1/4	4,655.86	1/4	4,297.36	1/4	3,938.13	1/4	3,578.89	1/4	3,219.65	1/4	2,860.34
1/2		1/2		1/2		1/2	5,005.17	1/2	4,648.40	1/2	4,289.88	1/2	3,930.64	1/2	3,571.41	1/2	3,212.17	1/2	2,852.85
3/4		3/4		3/4		3/4	4,997.75	3/4	4,640.94	3/4	4,282.40	3/4	3,923.16	3/4	3,563.92	3/4	3,204.69	3/4	2,845.36
5		5		5		5	4,990.32	5	4,633.48	5	4,274.91	5	3,915.68	5	3,556.44	5	3,197.20	5	2,837.87
1/4		1/4		1/4		1/4	4,982.89	1/4	4,626.01	1/4	4,267.43	1/4	3,908.19	1/4	3,548.95	1/4	3,189.72	1/4	2,830.39
1/2		1/2		1/2		1/2	4,975.47	1/2	4,618.55	1/2	4,259.94	1/2	3,900.71	1/2	3,541.47	1/2	3,182.23	1/2	2,822.90
3/4		3/4		3/4		3/4	4,968.04	3/4	4,611.09	3/4	4,252.46	3/4	3,893.22	3/4	3,533.99	3/4	3,174.75	3/4	2,815.41
6		6		6		6	4,960.61	6	4,603.63	6	4,244.98	6	3,885.74	6	3,526.50	6	3,167.27	6	2,807.92
1/4		1/4		1/4		1/4	4,953.19	1/4	4,596.16	1/4	4,237.49	1/4	3,878.25	1/4	3,519.02	1/4	3,159.78	1/4	2,800.43
1/2		1/2		1/2		1/2	4,945.76	1/2	4,588.70	1/2	4,230.01	1/2	3,870.77	1/2	3,511.53	1/2	3,152.30	1/2	2,792.95
3/4		3/4		3/4		3/4	4,938.33	3/4	4,581.24	3/4	4,222.52	3/4	3,863.29	3/4	3,504.05	3/4	3,144.81	3/4	2,785.46
7		7		7		7	4,930.91	7	4,573.78	7	4,215.04	7	3,855.80	7	3,496.57	7	3,137.33	7	2,777.97
1/4		1/4		1/4		1/4	4,923.48	1/4	4,566.31	1/4	4,207.56	1/4	3,848.32	1/4	3,489.08	1/4	3,129.84	1/4	2,770.48
1/2		1/2		1/2		1/2	4,916.06	1/2	4,558.85	1/2	4,200.07	1/2	3,840.83	1/2	3,481.60	1/2	3,122.36	1/2	2,762.99
3/4		3/4		3/4		3/4	4,908.63	3/4	4,551.39	3/4	4,192.59	3/4	3,833.35	3/4	3,474.11	3/4	3,114.88	3/4	2,755.51
8		8		8		8	4,901.21	8	4,543.93	8	4,185.10	8	3,825.87	8	3,466.63	8	3,107.39	8	2,748.02
1/4		1/4		1/4		1/4	4,893.78	1/4	4,536.46	1/4	4,177.62	1/4	3,818.38	1/4	3,459.14	1/4	3,099.91	1/4	2,740.53
1/2		1/2		1/2		1/2	4,886.36	1/2	4,529.00	1/2	4,170.13	1/2	3,810.90	1/2	3,451.66	1/2	3,092.42	1/2	2,733.04
3/4		3/4		3/4		3/4	4,878.94	3/4	4,521.54	3/4	4,162.65	3/4	3,803.41	3/4	3,444.18	3/4	3,084.94	3/4	2,725.55
9		9		9		9	4,871.51	9	4,514.08	9	4,155.17	9	3,795.93	9	3,436.69	9	3,077.46	9	2,718.06
1/4		1/4		1/4		1/4	4,864.09	1/4	4,506.61	1/4	4,147.68	1/4	3,788.45	1/4	3,429.21	1/4	3,069.97	1/4	2,710.58
1/2		1/2		1/2		1/2	4,856.67	1/2	4,499.15	1/2	4,140.20	1/2	3,780.96	1/2	3,421.72	1/2	3,062.49	1/2	2,703.09
3/4		3/4		3/4		3/4	4,849.25	3/4	4,491.69	3/4	4,132.71	3/4	3,773.48	3/4	3,414.24	3/4	3,055.00	3/4	2,695.60
10		10		10		10	4,841.82	10	4,484.23	10	4,125.23	10	3,765.99	10	3,406.76	10	3,047.52	10	2,688.11
1/4		1/4		1/4		1/4	4,834.40	1/4	4,476.76	1/4	4,117.75	1/4	3,758.51	1/4	3,399.27	1/4	3,040.04	1/4	2,680.62
1/2		1/2		1/2		1/2	4,826.98	1/2	4,469.30	1/2	4,110.26	1/2	3,751.02	1/2	3,391.79	1/2	3,032.55	1/2	2,673.14
3/4		3/4		3/4		3/4	4,819.56	3/4	4,461.84	3/4	4,102.78	3/4	3,743.54	3/4	3,384.30	3/4	3,025.07	3/4	2,665.65
11		11		11		11	4,812.13	11	4,454.38	11	4,095.29	11	3,736.06	11	3,376.82	11	3,017.58	11	2,658.16
1/4		1/4		1/4		1/4	4,804.71	1/4	4,446.91	1/4	4,087.81	1/4	3,728.57	1/4	3,369.34	1/4	3,010.10	1/4	2,650.67
1/2		1/2		1/2		1/2	4,797.29	1/2	4,439.45	1/2	4,080.33	1/2	3,721.09	1/2	3,361.85	1/2	3,002.61	1/2	2,643.18
3/4		3/4		3/4		3/4	4,789.87	3/4	4,431.99	3/4	4,072.84	3/4	3,713.60	3/4	3,354.37	3/4	2,995.12	3/4	2,635.70

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 41'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "HTCO 3099"

2 STBD

ULLAGE TABLE HERMETIC

GAUGE HEIGHT 17'-03 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,628.21	0	2,268.78	0	1,909.35	0	1,549.92	0	1,190.49	0	831.52	0	472.10	0	112.68	0		0	
1/4	2,620.72	1/4	2,261.29	1/4	1,901.86	1/4	1,542.43	1/4	1,183.00	1/4	824.03	1/4	464.62	1/4	105.20	1/4		1/4	
1/2	2,613.23	1/2	2,253.80	1/2	1,894.37	1/2	1,534.94	1/2	1,175.52	1/2	816.55	1/2	457.13	1/2	97.71	1/2		1/2	
3/4	2,605.74	3/4	2,246.31	3/4	1,886.89	3/4	1,527.46	3/4	1,168.03	3/4	809.06	3/4	449.64	3/4	90.22	3/4		3/4	
1	2,598.26	1	2,238.83	1	1,879.40	1	1,519.97	1	1,160.54	1	801.57	1	442.15	1	82.73	1		1	
1/4	2,590.77	1/4	2,231.34	1/4	1,871.91	1/4	1,512.48	1/4	1,153.05	1/4	794.08	1/4	434.66	1/4	75.24	1/4		1/4	
1/2	2,583.28	1/2	2,223.85	1/2	1,864.42	1/2	1,504.99	1/2	1,145.57	1/2	786.60	1/2	427.18	1/2	68.22	1/2		1/2	
3/4	2,575.79	3/4	2,216.36	3/4	1,856.93	3/4	1,497.50	3/4	1,138.08	3/4	779.11	3/4	419.69	3/4	61.20	3/4		3/4	
2	2,568.30	2	2,208.87	2	1,849.45	2	1,490.02	2	1,130.60	2	771.62	2	412.20	2	54.18	2		2	
1/4	2,560.81	1/4	2,201.39	1/4	1,841.96	1/4	1,482.53	1/4	1,123.11	1/4	764.13	1/4	404.71	1/4	47.16	1/4		1/4	
1/2	2,553.33	1/2	2,193.90	1/2	1,834.47	1/2	1,475.04	1/2	1,115.63	1/2	756.64	1/2	397.22	1/2	41.55	1/2		1/2	
3/4	2,545.84	3/4	2,186.41	3/4	1,826.98	3/4	1,467.55	3/4	1,108.15	3/4	749.16	3/4	389.74	3/4	35.93	3/4		3/4	
3	2,538.35	3	2,178.92	3	1,819.49	3	1,460.06	3	1,100.66	3	741.67	3	382.25	3	30.32	3		3	
1/4	2,530.86	1/4	2,171.43	1/4	1,812.00	1/4	1,452.58	1/4	1,093.18	1/4	734.18	1/4	374.76	1/4	24.70	1/4		1/4	
1/2	2,523.37	1/2	2,163.95	1/2	1,804.52	1/2	1,445.09	1/2	1,085.70	1/2	726.69	1/2	367.27	1/2	20.96	1/2		1/2	
3/4	2,515.89	3/4	2,156.46	3/4	1,797.03	3/4	1,437.60	3/4	1,078.22	3/4	719.20	3/4	359.78	3/4		3/4		3/4	
4	2,508.40	4	2,148.97	4	1,789.54	4	1,430.11	4	1,070.74	4	711.72	4	352.30	4		4		4	
1/4	2,500.91	1/4	2,141.48	1/4	1,782.05	1/4	1,422.62	1/4	1,063.26	1/4	704.23	1/4	344.81	1/4		1/4		1/4	
1/2	2,493.42	1/2	2,133.99	1/2	1,774.56	1/2	1,415.14	1/2	1,055.79	1/2	696.74	1/2	337.32	1/2		1/2		1/2	
3/4	2,485.93	3/4	2,126.50	3/4	1,767.08	3/4	1,407.65	3/4	1,048.31	3/4	689.25	3/4	329.83	3/4		3/4		3/4	
5	2,478.45	5	2,119.02	5	1,759.59	5	1,400.16	5	1,040.84	5	681.76	5	322.35	5		5		5	
1/4	2,470.96	1/4	2,111.53	1/4	1,752.10	1/4	1,392.67	1/4	1,033.36	1/4	674.28	1/4	314.86	1/4		1/4		1/4	
1/2	2,463.47	1/2	2,104.04	1/2	1,744.61	1/2	1,385.18	1/2	1,025.89	1/2	666.79	1/2	307.37	1/2		1/2		1/2	
3/4	2,455.98	3/4	2,096.55	3/4	1,737.12	3/4	1,377.69	3/4	1,018.41	3/4	659.30	3/4	299.88	3/4		3/4		3/4	
6	2,448.49	6	2,089.06	6	1,729.64	6	1,370.21	6	1,010.94	6	651.81	6	292.39	6		6		6	
1/4	2,441.00	1/4	2,081.58	1/4	1,722.15	1/4	1,362.72	1/4	1,003.46	1/4	644.32	1/4	284.91	1/4		1/4		1/4	
1/2	2,433.52	1/2	2,074.09	1/2	1,714.66	1/2	1,355.23	1/2	995.99	1/2	636.84	1/2	277.42	1/2		1/2		1/2	
3/4	2,426.03	3/4	2,066.60	3/4	1,707.17	3/4	1,347.74	3/4	988.51	3/4	629.35	3/4	269.93	3/4		3/4		3/4	
7	2,418.54	7	2,059.11	7	1,699.68	7	1,340.25	7	981.04	7	621.86	7	262.44	7		7		7	
1/4	2,411.05	1/4	2,051.62	1/4	1,692.19	1/4	1,332.77	1/4	973.56	1/4	614.37	1/4	254.95	1/4		1/4		1/4	
1/2	2,403.56	1/2	2,044.14	1/2	1,684.71	1/2	1,325.28	1/2	966.09	1/2	606.89	1/2	247.47	1/2		1/2		1/2	
3/4	2,396.08	3/4	2,036.65	3/4	1,677.22	3/4	1,317.79	3/4	958.61	3/4	599.40	3/4	239.98	3/4		3/4		3/4	
8	2,388.59	8	2,029.16	8	1,669.73	8	1,310.30	8	951.14	8	591.91	8	232.49	8		8		8	
1/4	2,381.10	1/4	2,021.67	1/4	1,662.24	1/4	1,302.81	1/4	943.66	1/4	584.42	1/4	225.00	1/4		1/4		1/4	
1/2	2,373.61	1/2	2,014.18	1/2	1,654.75	1/2	1,295.33	1/2	936.19	1/2	576.93	1/2	217.51	1/2		1/2		1/2	
3/4	2,366.12	3/4	2,006.70	3/4	1,647.27	3/4	1,287.84	3/4	928.71	3/4	569.45	3/4	210.03	3/4		3/4		3/4	
9	2,358.64	9	1,999.21	9	1,639.78	9	1,280.35	9	921.24	9	561.96	9	202.54	9		9		9	
1/4	2,351.15	1/4	1,991.72	1/4	1,632.29	1/4	1,272.86	1/4	913.76	1/4	554.47	1/4	195.05	1/4		1/4		1/4	
1/2	2,343.66	1/2	1,984.23	1/2	1,624.80	1/2	1,265.37	1/2	906.29	1/2	546.98	1/2	187.56	1/2		1/2		1/2	
3/4	2,336.17	3/4	1,976.74	3/4	1,617.31	3/4	1,257.89	3/4	898.81	3/4	539.49	3/4	180.08	3/4		3/4		3/4	
10	2,328.68	10	1,969.25	10	1,609.83	10	1,250.40	10	891.34	10	532.01	10	172.59	10		10		10	
1/4	2,321.20	1/4	1,961.77	1/4	1,602.34	1/4	1,242.91	1/4	883.86	1/4	524.52	1/4	165.10	1/4		1/4		1/4	
1/2	2,313.71	1/2	1,954.28	1/2	1,594.85	1/2	1,235.42	1/2	876.39	1/2	517.03	1/2	157.61	1/2		1/2		1/2	
3/4	2,306.22	3/4	1,946.79	3/4	1,587.36	3/4	1,227.93	3/4	868.91	3/4	509.54	3/4	150.12	3/4		3/4		3/4	
11	2,298.73	11	1,939.30	11	1,579.87	11	1,220.44	11	861.44	11	502.05	11	142.64	11		11		11	
1/4	2,291.24	1/4	1,931.81	1/4	1,572.39	1/4	1,212.96	1/4	853.96	1/4	494.57	1/4	135.15	1/4		1/4		1/4	
1/2	2,283.75	1/2	1,924.33	1/2	1,564.90	1/2	1,205.47	1/2	846.48	1/2	487.08	1/2	127.66	1/2		1/2		1/2	
3/4	2,276.27	3/4	1,916.84	3/4	1,557.41	3/4	1,197.98	3/4	839.00	3/4	479.59	3/4	120.17	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/22/2013 CL
RECALCULATED: 10/24/2018 CL
VERIFIED: 08/08/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

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



BARGE "HTCO 3099"

3 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	4,371.48	0	4,125.13	0	3,877.94	0	3,630.73	0	3,302.11	0	2,945.70
1/4		1/4		1/4		1/4		1/4	4,366.37	1/4	4,119.98	1/4	3,872.79	1/4	3,625.58	1/4	3,294.70	1/4	2,938.27
1/2		1/2		1/2		1/2		1/2	4,361.26	1/2	4,114.84	1/2	3,867.64	1/2	3,620.43	1/2	3,287.29	1/2	2,930.84
3/4		3/4		3/4		3/4		3/4	4,589.72	3/4	4,356.16	3/4	4,109.70	3/4	3,862.49	3/4	3,615.28	3/4	3,279.88
1		1		1		1		1	4,587.27	1	4,351.05	1	4,104.56	1	3,857.34	1	3,610.13	1	3,272.48
1/4		1/4		1/4		1/4		1/4	4,583.76	1/4	4,345.93	1/4	4,099.41	1/4	3,852.19	1/4	3,604.98	1/4	3,265.06
1/2		1/2		1/2		1/2		1/2	4,580.24	1/2	4,340.80	1/2	4,094.26	1/2	3,847.04	1/2	3,599.83	1/2	3,257.64
3/4		3/4		3/4		3/4		3/4	4,576.73	3/4	4,335.68	3/4	4,089.11	3/4	3,841.89	3/4	3,594.68	3/4	3,250.23
2		2		2		2		2	4,573.22	2	4,330.56	2	4,083.95	2	3,836.74	2	3,589.53	2	3,242.81
1/4		1/4		1/4		1/4		1/4	4,568.70	1/4	4,325.42	1/4	4,078.80	1/4	3,831.59	1/4	3,583.80	1/4	3,235.38
1/2		1/2		1/2		1/2		1/2	4,564.19	1/2	4,320.29	1/2	4,073.65	1/2	3,826.44	1/2	3,578.08	1/2	3,227.95
3/4		3/4		3/4		3/4		3/4	4,559.68	3/4	4,315.15	3/4	4,068.50	3/4	3,821.29	3/4	3,572.35	3/4	3,220.53
3		3		3		3		3	4,555.17	3	4,310.02	3	4,063.35	3	3,816.14	3	3,566.63	3	3,213.10
1/4		1/4		1/4		1/4		1/4	4,550.12	1/4	4,304.88	1/4	4,058.20	1/4	3,810.99	1/4	3,559.77	1/4	3,205.67
1/2		1/2		1/2		1/2		1/2	4,545.08	1/2	4,299.74	1/2	4,053.05	1/2	3,805.84	1/2	3,552.91	1/2	3,198.24
3/4		3/4		3/4		3/4		3/4	4,540.03	3/4	4,294.61	3/4	4,047.90	3/4	3,800.69	3/4	3,546.05	3/4	3,190.82
4		4		4		4		4	4,534.99	4	4,289.47	4	4,042.75	4	3,795.54	4	3,539.19	4	3,183.39
1/4		1/4		1/4		1/4		1/4	4,529.88	1/4	4,284.34	1/4	4,037.60	1/4	3,790.39	1/4	3,531.77	1/4	3,175.96
1/2		1/2		1/2		1/2		1/2	4,524.77	1/2	4,279.20	1/2	4,032.45	1/2	3,785.24	1/2	3,524.35	1/2	3,168.53
3/4		3/4		3/4		3/4		3/4	4,519.65	3/4	4,274.07	3/4	4,027.30	3/4	3,780.09	3/4	3,516.94	3/4	3,161.11
5		5		5		5		5	4,514.54	5	4,268.93	5	4,022.15	5	3,774.94	5	3,509.52	5	3,153.68
1/4		1/4		1/4		1/4		1/4	4,509.43	1/4	4,263.79	1/4	4,017.00	1/4	3,769.79	1/4	3,502.11	1/4	3,146.25
1/2		1/2		1/2		1/2		1/2	4,504.32	1/2	4,258.66	1/2	4,011.85	1/2	3,764.64	1/2	3,494.69	1/2	3,138.82
3/4		3/4		3/4		3/4		3/4	4,499.21	3/4	4,253.52	3/4	4,006.70	3/4	3,759.49	3/4	3,487.28	3/4	3,131.40
6		6		6		6		6	4,494.10	6	4,248.39	6	4,001.55	6	3,754.34	6	3,479.87	6	3,123.97
1/4		1/4		1/4		1/4		1/4	4,488.99	1/4	4,243.25	1/4	3,996.40	1/4	3,749.19	1/4	3,472.46	1/4	3,116.54
1/2		1/2		1/2		1/2		1/2	4,483.88	1/2	4,238.11	1/2	3,991.25	1/2	3,744.04	1/2	3,465.05	1/2	3,109.11
3/4		3/4		3/4		3/4		3/4	4,478.77	3/4	4,232.98	3/4	3,986.10	3/4	3,738.88	3/4	3,457.65	3/4	3,101.69
7		7		7		7		7	4,473.65	7	4,227.84	7	3,980.95	7	3,733.73	7	3,450.24	7	3,094.26
1/4		1/4		1/4		1/4		1/4	4,468.55	1/4	4,222.71	1/4	3,975.80	1/4	3,728.58	1/4	3,442.83	1/4	3,086.83
1/2		1/2		1/2		1/2		1/2	4,463.44	1/2	4,217.57	1/2	3,970.65	1/2	3,723.43	1/2	3,435.43	1/2	3,079.40
3/4		3/4		3/4		3/4		3/4	4,458.33	3/4	4,212.44	3/4	3,965.50	3/4	3,718.28	3/4	3,428.02	3/4	3,071.98
8		8		8		8		8	4,453.22	8	4,207.30	8	3,960.35	8	3,713.13	8	3,420.61	8	3,064.55
1/4		1/4		1/4		1/4		1/4	4,448.11	1/4	4,202.16	1/4	3,955.20	1/4	3,707.98	1/4	3,413.21	1/4	3,057.12
1/2		1/2		1/2		1/2		1/2	4,443.00	1/2	4,197.03	1/2	3,950.05	1/2	3,702.83	1/2	3,405.80	1/2	3,049.69
3/4		3/4		3/4		3/4		3/4	4,437.89	3/4	4,191.89	3/4	3,944.90	3/4	3,697.68	3/4	3,398.39	3/4	3,042.27
9		9		9		9		9	4,432.78	9	4,186.76	9	3,939.75	9	3,692.53	9	3,390.99	9	3,034.84
1/4		1/4		1/4		1/4		1/4	4,427.67	1/4	4,181.62	1/4	3,934.60	1/4	3,687.38	1/4	3,383.58	1/4	3,027.41
1/2		1/2		1/2		1/2		1/2	4,422.57	1/2	4,176.48	1/2	3,929.45	1/2	3,682.23	1/2	3,376.17	1/2	3,019.98
3/4		3/4		3/4		3/4		3/4	4,417.46	3/4	4,171.35	3/4	3,924.30	3/4	3,677.08	3/4	3,368.77	3/4	3,012.56
10		10		10		10		10	4,412.35	10	4,166.21	10	3,919.15	10	3,671.93	10	3,361.36	10	3,005.13
1/4		1/4		1/4		1/4		1/4	4,407.24	1/4	4,161.08	1/4	3,914.00	1/4	3,666.78	1/4	3,353.95	1/4	2,997.70
1/2		1/2		1/2		1/2		1/2	4,402.13	1/2	4,155.94	1/2	3,908.84	1/2	3,661.63	1/2	3,346.55	1/2	2,990.27
3/4		3/4		3/4		3/4		3/4	4,397.02	3/4	4,150.81	3/4	3,903.69	3/4	3,656.48	3/4	3,339.14	3/4	2,982.85
11		11		11		11		11	4,391.91	11	4,145.67	11	3,898.54	11	3,651.33	11	3,331.73	11	2,975.42
1/4		1/4		1/4		1/4		1/4	4,386.81	1/4	4,140.53	1/4	3,893.39	1/4	3,646.18	1/4	3,324.33	1/4	2,967.99
1/2		1/2		1/2		1/2		1/2	4,381.70	1/2	4,135.40	1/2	3,888.24	1/2	3,641.03	1/2	3,316.92	1/2	2,960.56
3/4		3/4		3/4		3/4		3/4	4,376.59	3/4	4,130.26	3/4	3,883.09	3/4	3,635.88	3/4	3,309.51	3/4	2,953.13

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 41'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "HTCO 3099"

3 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	2,589.04	0	2,233.40	0	1,879.28	0	1,522.28	0	1,165.70	0	819.09	0	461.89	0	104.70	0		0	
1/4	2,581.60	1/4	2,226.02	1/4	1,871.85	1/4	1,514.85	1/4	1,158.48	1/4	811.65	1/4	454.45	1/4	97.25	1/4		1/4	
1/2	2,574.16	1/2	2,218.65	1/2	1,864.41	1/2	1,507.41	1/2	1,151.25	1/2	804.21	1/2	447.01	1/2	89.80	1/2		1/2	
3/4	2,566.73	3/4	2,211.27	3/4	1,856.97	3/4	1,499.97	3/4	1,144.02	3/4	796.77	3/4	439.57	3/4	82.35	3/4		3/4	
1	2,559.29	1	2,203.90	1	1,849.53	1	1,492.53	1	1,136.80	1	789.32	1	432.13	1	74.90	1		1	
1/4	2,551.85	1/4	2,196.52	1/4	1,842.10	1/4	1,485.10	1/4	1,129.58	1/4	781.88	1/4	424.69	1/4	67.91	1/4		1/4	
1/2	2,544.41	1/2	2,189.15	1/2	1,834.66	1/2	1,477.66	1/2	1,122.35	1/2	774.44	1/2	417.25	1/2	60.93	1/2		1/2	
3/4	2,536.98	3/4	2,181.77	3/4	1,827.22	3/4	1,470.22	3/4	1,115.13	3/4	767.00	3/4	409.81	3/4	53.94	3/4		3/4	
2	2,529.54	2	2,174.40	2	1,819.78	2	1,462.78	2	1,107.91	2	759.56	2	402.37	2	46.95	2		2	
1/4	2,522.10	1/4	2,167.02	1/4	1,812.35	1/4	1,455.35	1/4	1,100.70	1/4	752.12	1/4	394.93	1/4	41.36	1/4		1/4	
1/2	2,514.67	1/2	2,159.65	1/2	1,804.91	1/2	1,447.91	1/2	1,093.48	1/2	744.67	1/2	387.49	1/2	35.77	1/2		1/2	
3/4	2,507.23	3/4	2,152.28	3/4	1,797.47	3/4	1,440.47	3/4	1,086.27	3/4	737.23	3/4	380.05	3/4	30.18	3/4		3/4	
3	2,499.79	3	2,144.90	3	1,790.03	3	1,433.03	3	1,079.05	3	729.79	3	372.61	3	24.59	3		3	
1/4	2,492.37	1/4	2,137.53	1/4	1,782.60	1/4	1,425.60	1/4	1,071.84	1/4	722.35	1/4	365.17	1/4	20.86	1/4		1/4	
1/2	2,484.95	1/2	2,130.15	1/2	1,775.16	1/2	1,418.16	1/2	1,064.63	1/2	714.91	1/2	357.73	1/2		1/2		1/2	
3/4	2,477.54	3/4	2,122.78	3/4	1,767.72	3/4	1,410.72	3/4	1,057.42	3/4	707.47	3/4	350.29	3/4		3/4		3/4	
4	2,470.12	4	2,115.40	4	1,760.28	4	1,403.28	4	1,050.21	4	700.02	4	342.84	4	4	4		4	
1/4	2,462.72	1/4	2,108.03	1/4	1,752.85	1/4	1,395.85	1/4	1,043.00	1/4	692.58	1/4	335.40	1/4		1/4		1/4	
1/2	2,455.32	1/2	2,100.65	1/2	1,745.41	1/2	1,388.41	1/2	1,035.79	1/2	685.14	1/2	327.96	1/2		1/2		1/2	
3/4	2,447.92	3/4	2,093.28	3/4	1,737.97	3/4	1,380.97	3/4	1,028.58	3/4	677.70	3/4	320.52	3/4		3/4		3/4	
5	2,440.52	5	2,085.90	5	1,730.53	5	1,373.53	5	1,021.37	5	670.26	5	313.08	5	5	5		5	
1/4	2,433.12	1/4	2,078.53	1/4	1,723.10	1/4	1,366.10	1/4	1,014.17	1/4	662.81	1/4	305.64	1/4		1/4		1/4	
1/2	2,425.72	1/2	2,071.15	1/2	1,715.66	1/2	1,358.66	1/2	1,006.96	1/2	655.37	1/2	298.20	1/2		1/2		1/2	
3/4	2,418.32	3/4	2,063.78	3/4	1,708.22	3/4	1,351.22	3/4	999.75	3/4	647.93	3/4	290.76	3/4		3/4		3/4	
6	2,410.92	6	2,056.41	6	1,700.78	6	1,343.78	6	992.54	6	640.49	6	283.32	6	6	6		6	
1/4	2,403.53	1/4	2,049.03	1/4	1,693.35	1/4	1,336.35	1/4	985.34	1/4	633.05	1/4	275.88	1/4		1/4		1/4	
1/2	2,396.13	1/2	2,041.66	1/2	1,685.91	1/2	1,328.91	1/2	978.13	1/2	625.61	1/2	268.44	1/2		1/2		1/2	
3/4	2,388.73	3/4	2,034.28	3/4	1,678.47	3/4	1,321.47	3/4	970.92	3/4	618.16	3/4	261.00	3/4		3/4		3/4	
7	2,381.33	7	2,026.91	7	1,671.03	7	1,314.03	7	963.71	7	610.72	7	253.56	7	7	7		7	
1/4	2,373.93	1/4	2,019.53	1/4	1,663.60	1/4	1,306.60	1/4	956.51	1/4	603.28	1/4	246.12	1/4		1/4		1/4	
1/2	2,366.53	1/2	2,012.16	1/2	1,656.16	1/2	1,299.16	1/2	949.30	1/2	595.84	1/2	238.68	1/2		1/2		1/2	
3/4	2,359.13	3/4	2,004.78	3/4	1,648.72	3/4	1,291.72	3/4	942.09	3/4	588.40	3/4	231.24	3/4		3/4		3/4	
8	2,351.73	8	1,997.41	8	1,641.28	8	1,284.28	8	934.88	8	580.96	8	223.80	8	8	8		8	
1/4	2,344.33	1/4	1,990.03	1/4	1,633.85	1/4	1,276.85	1/4	927.67	1/4	573.51	1/4	216.35	1/4		1/4		1/4	
1/2	2,336.93	1/2	1,982.66	1/2	1,626.41	1/2	1,269.41	1/2	920.47	1/2	566.07	1/2	208.91	1/2		1/2		1/2	
3/4	2,329.54	3/4	1,975.28	3/4	1,618.97	3/4	1,261.97	3/4	913.26	3/4	558.63	3/4	201.47	3/4		3/4		3/4	
9	2,322.14	9	1,967.91	9	1,611.53	9	1,254.53	9	906.05	9	551.19	9	194.03	9	9	9		9	
1/4	2,314.74	1/4	1,960.54	1/4	1,604.10	1/4	1,247.10	1/4	898.84	1/4	543.75	1/4	186.59	1/4		1/4		1/4	
1/2	2,307.34	1/2	1,953.16	1/2	1,596.66	1/2	1,239.66	1/2	891.64	1/2	536.31	1/2	179.14	1/2		1/2		1/2	
3/4	2,299.94	3/4	1,945.79	3/4	1,589.22	3/4	1,232.22	3/4	884.43	3/4	528.86	3/4	171.70	3/4		3/4		3/4	
10	2,292.54	10	1,938.41	10	1,581.78	10	1,224.78	10	877.22	10	521.42	10	164.26	10	10	10		10	
1/4	2,285.14	1/4	1,931.04	1/4	1,574.35	1/4	1,217.35	1/4	870.01	1/4	513.98	1/4	156.82	1/4		1/4		1/4	
1/2	2,277.74	1/2	1,923.66	1/2	1,566.91	1/2	1,209.91	1/2	862.81	1/2	506.54	1/2	149.37	1/2		1/2		1/2	
3/4	2,270.34	3/4	1,916.29	3/4	1,559.47	3/4	1,202.47	3/4	855.60	3/4	499.10	3/4	141.93	3/4		3/4		3/4	
11	2,262.94	11	1,908.91	11	1,552.03	11	1,195.03	11	848.39	11	491.66	11	134.49	11	11	11		11	
1/4	2,255.56	1/4	1,901.51	1/4	1,544.60	1/4	1,187.70	1/4	841.07	1/4	484.21	1/4	127.04	1/4		1/4		1/4	
1/2	2,248.17	1/2	1,894.10	1/2	1,537.16	1/2	1,180.37	1/2	833.74	1/2	476.77	1/2	119.60	1/2		1/2		1/2	
3/4	2,240.78	3/4	1,886.69	3/4	1,529.72	3/4	1,173.04	3/4	826.42	3/4	469.33	3/4	112.15	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/22/2013 CL
RECALCULATED: 10/24/2018 CL
VERIFIED: 08/08/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "HTCO 3099"

3 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	4,394.34	0	4,147.86	0	3,900.54	0	3,653.20	0	3,324.02	0	2,966.75
1/4		1/4		1/4		1/4		1/4	4,389.23	1/4	4,142.71	1/4	3,895.39	1/4	3,648.05	1/4	3,316.60	1/4	2,959.31
1/2		1/2		1/2		1/2		1/2	4,384.12	1/2	4,137.56	1/2	3,890.24	1/2	3,642.90	1/2	3,309.17	1/2	2,951.86
3/4		3/4		3/4		3/4		3/4	4,612.70	3/4	4,379.00	3/4	4,132.42	3/4	3,885.08	3/4	3,637.74	3/4	3,301.75
1		1		1		1		1	4,610.24	1	4,373.89	1	4,127.27	1	3,879.93	1	3,632.59	1	3,294.32
1/4		1/4		1/4		1/4		1/4	4,606.73	1/4	4,368.77	1/4	4,122.12	1/4	3,874.78	1/4	3,627.44	1/4	3,286.89
1/2		1/2		1/2		1/2		1/2	4,603.21	1/2	4,363.64	1/2	4,116.96	1/2	3,869.63	1/2	3,622.29	1/2	3,279.45
3/4		3/4		3/4		3/4		3/4	4,599.70	3/4	4,358.52	3/4	4,111.81	3/4	3,864.47	3/4	3,617.13	3/4	3,272.02
2		2		2		2		2	4,596.18	2	4,353.40	2	4,106.66	2	3,859.32	2	3,611.98	2	3,264.58
1/4		1/4		1/4		1/4		1/4	4,591.67	1/4	4,348.26	1/4	4,101.51	1/4	3,854.17	1/4	3,606.25	1/4	3,257.14
1/2		1/2		1/2		1/2		1/2	4,587.15	1/2	4,343.12	1/2	4,096.35	1/2	3,849.01	1/2	3,600.53	1/2	3,249.69
3/4		3/4		3/4		3/4		3/4	4,582.63	3/4	4,337.98	3/4	4,091.20	3/4	3,843.86	3/4	3,594.80	3/4	3,242.25
3		3		3		3		3	4,578.12	3	4,332.84	3	4,086.05	3	3,838.71	3	3,589.07	3	3,234.80
1/4		1/4		1/4		1/4		1/4	4,573.07	1/4	4,327.70	1/4	4,080.89	1/4	3,833.55	1/4	3,582.21	1/4	3,227.35
1/2		1/2		1/2		1/2		1/2	4,568.02	1/2	4,322.56	1/2	4,075.74	1/2	3,828.40	1/2	3,575.35	1/2	3,219.91
3/4		3/4		3/4		3/4		3/4	4,562.98	3/4	4,317.43	3/4	4,070.59	3/4	3,823.25	3/4	3,568.48	3/4	3,212.46
4		4		4		4		4	4,557.93	4	4,312.29	4	4,065.44	4	3,818.10	4	3,561.62	4	3,205.02
1/4		1/4		1/4		1/4		1/4	4,552.82	1/4	4,307.15	1/4	4,060.28	1/4	3,812.94	1/4	3,554.20	1/4	3,197.57
1/2		1/2		1/2		1/2		1/2	4,547.70	1/2	4,302.01	1/2	4,055.13	1/2	3,807.79	1/2	3,546.77	1/2	3,190.13
3/4		3/4		3/4		3/4		3/4	4,542.59	3/4	4,296.87	3/4	4,049.98	3/4	3,802.64	3/4	3,539.35	3/4	3,182.68
5		5		5		5		5	4,537.47	5	4,291.73	5	4,044.82	5	3,797.48	5	3,531.92	5	3,175.24
1/4		1/4		1/4		1/4		1/4	4,532.36	1/4	4,286.60	1/4	4,039.67	1/4	3,792.33	1/4	3,524.50	1/4	3,167.79
1/2		1/2		1/2		1/2		1/2	4,527.25	1/2	4,281.46	1/2	4,034.52	1/2	3,787.18	1/2	3,517.07	1/2	3,160.34
3/4		3/4		3/4		3/4		3/4	4,522.13	3/4	4,276.32	3/4	4,029.36	3/4	3,782.03	3/4	3,509.65	3/4	3,152.90
6		6		6		6		6	4,517.02	6	4,271.18	6	4,024.21	6	3,776.87	6	3,502.22	6	3,145.45
1/4		1/4		1/4		1/4		1/4	4,511.91	1/4	4,266.04	1/4	4,019.06	1/4	3,771.72	1/4	3,494.80	1/4	3,138.01
1/2		1/2		1/2		1/2		1/2	4,506.79	1/2	4,260.90	1/2	4,013.91	1/2	3,766.57	1/2	3,487.37	1/2	3,130.56
3/4		3/4		3/4		3/4		3/4	4,501.68	3/4	4,255.76	3/4	4,008.75	3/4	3,761.41	3/4	3,479.95	3/4	3,123.12
7		7		7		7		7	4,496.56	7	4,250.63	7	4,003.60	7	3,756.26	7	3,472.52	7	3,115.67
1/4		1/4		1/4		1/4		1/4	4,491.45	1/4	4,245.49	1/4	3,998.45	1/4	3,751.11	1/4	3,465.10	1/4	3,108.22
1/2		1/2		1/2		1/2		1/2	4,486.34	1/2	4,240.35	1/2	3,993.29	1/2	3,745.96	1/2	3,457.67	1/2	3,100.78
3/4		3/4		3/4		3/4		3/4	4,481.23	3/4	4,235.21	3/4	3,988.14	3/4	3,740.80	3/4	3,450.25	3/4	3,093.33
8		8		8		8		8	4,476.11	8	4,230.07	8	3,982.99	8	3,735.65	8	3,442.82	8	3,085.89
1/4		1/4		1/4		1/4		1/4	4,471.00	1/4	4,224.93	1/4	3,977.84	1/4	3,730.50	1/4	3,435.40	1/4	3,078.44
1/2		1/2		1/2		1/2		1/2	4,465.89	1/2	4,219.79	1/2	3,972.68	1/2	3,725.34	1/2	3,427.97	1/2	3,071.00
3/4		3/4		3/4		3/4		3/4	4,460.78	3/4	4,214.66	3/4	3,967.53	3/4	3,720.19	3/4	3,420.55	3/4	3,063.55
9		9		9		9		9	4,455.67	9	4,209.52	9	3,962.38	9	3,715.04	9	3,413.12	9	3,056.11
1/4		1/4		1/4		1/4		1/4	4,450.56	1/4	4,204.38	1/4	3,957.22	1/4	3,709.89	1/4	3,405.70	1/4	3,048.66
1/2		1/2		1/2		1/2		1/2	4,445.45	1/2	4,199.24	1/2	3,952.07	1/2	3,704.73	1/2	3,398.27	1/2	3,041.21
3/4		3/4		3/4		3/4		3/4	4,440.34	3/4	4,194.10	3/4	3,946.92	3/4	3,699.58	3/4	3,390.85	3/4	3,033.77
10		10		10		10		10	4,435.23	10	4,188.96	10	3,941.77	10	3,694.43	10	3,383.42	10	3,026.32
1/4		1/4		1/4		1/4		1/4	4,430.11	1/4	4,183.83	1/4	3,936.61	1/4	3,689.27	1/4	3,376.00	1/4	3,018.88
1/2		1/2		1/2		1/2		1/2	4,425.00	1/2	4,178.69	1/2	3,931.46	1/2	3,684.12	1/2	3,368.57	1/2	3,011.43
3/4		3/4		3/4		3/4		3/4	4,419.89	3/4	4,173.55	3/4	3,926.31	3/4	3,678.97	3/4	3,361.15	3/4	3,003.99
11		11		11		11		11	4,414.78	11	4,168.41	11	3,921.15	11	3,673.81	11	3,353.72	11	2,996.54
1/4		1/4		1/4		1/4		1/4	4,409.67	1/4	4,163.27	1/4	3,916.00	1/4	3,668.66	1/4	3,346.30	1/4	2,989.09
1/2		1/2		1/2		1/2		1/2	4,404.56	1/2	4,158.13	1/2	3,910.85	1/2	3,663.51	1/2	3,338.87	1/2	2,981.65
3/4		3/4		3/4		3/4		3/4	4,399.45	3/4	4,152.99	3/4	3,905.70	3/4	3,658.36	3/4	3,331.45	3/4	2,974.20

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 41'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "HTCO 3099"

3 STBD

ULLAGE TABLE HERMETIC

GAUGE HEIGHT 17'-03 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,609.22	0	2,251.35	0	1,893.49	0	1,535.62	0	1,177.76	0	820.45	0	462.59	0	104.74	0		0	
1/4	2,601.76	1/4	2,243.90	1/4	1,886.03	1/4	1,528.17	1/4	1,170.30	1/4	812.99	1/4	455.14	1/4	97.28	1/4		1/4	
1/2	2,594.31	1/2	2,236.44	1/2	1,878.58	1/2	1,520.71	1/2	1,162.85	1/2	805.54	1/2	447.68	1/2	89.83	1/2		1/2	
3/4	2,586.85	3/4	2,228.99	3/4	1,871.12	3/4	1,513.26	3/4	1,155.39	3/4	798.08	3/4	440.23	3/4	82.37	3/4		3/4	
1	2,579.39	1	2,221.53	1	1,863.67	1	1,505.80	1	1,147.94	1	790.63	1	432.77	1	74.92	1		1	
1/4	2,571.94	1/4	2,214.07	1/4	1,856.21	1/4	1,498.35	1/4	1,140.49	1/4	783.17	1/4	425.32	1/4	67.93	1/4		1/4	
1/2	2,564.48	1/2	2,206.62	1/2	1,848.76	1/2	1,490.89	1/2	1,133.04	1/2	775.72	1/2	417.86	1/2	60.94	1/2		1/2	
3/4	2,557.03	3/4	2,199.16	3/4	1,841.30	3/4	1,483.44	3/4	1,125.58	3/4	768.26	3/4	410.41	3/4	53.95	3/4		3/4	
2	2,549.57	2	2,191.71	2	1,833.84	2	1,475.98	2	1,118.13	2	760.81	2	402.95	2	46.96	2		2	
1/4	2,542.12	1/4	2,184.25	1/4	1,826.39	1/4	1,468.52	1/4	1,110.68	1/4	753.35	1/4	395.50	1/4	41.37	1/4		1/4	
1/2	2,534.66	1/2	2,176.80	1/2	1,818.93	1/2	1,461.07	1/2	1,103.24	1/2	745.90	1/2	388.04	1/2	35.78	1/2		1/2	
3/4	2,527.21	3/4	2,169.34	3/4	1,811.48	3/4	1,453.61	3/4	1,095.79	3/4	738.44	3/4	380.59	3/4	30.19	3/4		3/4	
3	2,519.75	3	2,161.89	3	1,804.02	3	1,446.16	3	1,088.34	3	730.98	3	373.13	3	24.60	3		3	
1/4	2,512.29	1/4	2,154.43	1/4	1,796.57	1/4	1,438.70	1/4	1,080.90	1/4	723.53	1/4	365.68	1/4	20.87	1/4		1/4	
1/2	2,504.84	1/2	2,146.98	1/2	1,789.11	1/2	1,431.25	1/2	1,073.45	1/2	716.07	1/2	358.22	1/2		1/2		1/2	
3/4	2,497.38	3/4	2,139.52	3/4	1,781.66	3/4	1,423.79	3/4	1,066.01	3/4	708.62	3/4	350.76	3/4		3/4		3/4	
4	2,489.93	4	2,132.06	4	1,774.20	4	1,416.34	4	1,058.57	4	701.16	4	343.31	4	4	4		4	
1/4	2,482.47	1/4	2,124.61	1/4	1,766.74	1/4	1,408.88	1/4	1,051.13	1/4	693.71	1/4	335.85	1/4		1/4		1/4	
1/2	2,475.02	1/2	2,117.15	1/2	1,759.29	1/2	1,401.43	1/2	1,043.69	1/2	686.25	1/2	328.40	1/2		1/2		1/2	
3/4	2,467.56	3/4	2,109.70	3/4	1,751.83	3/4	1,393.97	3/4	1,036.25	3/4	678.80	3/4	320.94	3/4		3/4		3/4	
5	2,460.11	5	2,102.24	5	1,744.38	5	1,386.51	5	1,028.81	5	671.34	5	313.49	5	5	5		5	
1/4	2,452.65	1/4	2,094.79	1/4	1,736.92	1/4	1,379.06	1/4	1,021.37	1/4	663.89	1/4	306.03	1/4		1/4		1/4	
1/2	2,445.20	1/2	2,087.33	1/2	1,729.47	1/2	1,371.60	1/2	1,013.93	1/2	656.43	1/2	298.58	1/2		1/2		1/2	
3/4	2,437.74	3/4	2,079.88	3/4	1,722.01	3/4	1,364.15	3/4	1,006.49	3/4	648.98	3/4	291.12	3/4		3/4		3/4	
6	2,430.28	6	2,072.42	6	1,714.56	6	1,356.69	6	999.05	6	641.52	6	283.67	6	6	6		6	
1/4	2,422.83	1/4	2,064.96	1/4	1,707.10	1/4	1,349.24	1/4	991.60	1/4	634.07	1/4	276.21	1/4		1/4		1/4	
1/2	2,415.37	1/2	2,057.51	1/2	1,699.65	1/2	1,341.78	1/2	984.16	1/2	626.61	1/2	268.76	1/2		1/2		1/2	
3/4	2,407.92	3/4	2,050.05	3/4	1,692.19	3/4	1,334.33	3/4	976.72	3/4	619.16	3/4	261.30	3/4		3/4		3/4	
7	2,400.46	7	2,042.60	7	1,684.73	7	1,326.87	7	969.28	7	611.70	7	253.85	7	7	7		7	
1/4	2,393.01	1/4	2,035.14	1/4	1,677.28	1/4	1,319.41	1/4	961.84	1/4	604.24	1/4	246.39	1/4		1/4		1/4	
1/2	2,385.55	1/2	2,027.69	1/2	1,669.82	1/2	1,311.96	1/2	954.40	1/2	596.79	1/2	238.93	1/2		1/2		1/2	
3/4	2,378.10	3/4	2,020.23	3/4	1,662.37	3/4	1,304.50	3/4	946.96	3/4	589.33	3/4	231.48	3/4		3/4		3/4	
8	2,370.64	8	2,012.78	8	1,654.91	8	1,297.05	8	939.52	8	581.88	8	224.02	8	8	8		8	
1/4	2,363.18	1/4	2,005.32	1/4	1,647.46	1/4	1,289.59	1/4	932.08	1/4	574.42	1/4	216.57	1/4		1/4		1/4	
1/2	2,355.73	1/2	1,997.87	1/2	1,640.00	1/2	1,282.14	1/2	924.64	1/2	566.97	1/2	209.11	1/2		1/2		1/2	
3/4	2,348.27	3/4	1,990.41	3/4	1,632.55	3/4	1,274.68	3/4	917.20	3/4	559.51	3/4	201.66	3/4		3/4		3/4	
9	2,340.82	9	1,982.95	9	1,625.09	9	1,267.23	9	909.76	9	552.06	9	194.20	9	9	9		9	
1/4	2,333.36	1/4	1,975.50	1/4	1,617.63	1/4	1,259.77	1/4	902.32	1/4	544.60	1/4	186.75	1/4		1/4		1/4	
1/2	2,325.91	1/2	1,968.04	1/2	1,610.18	1/2	1,252.32	1/2	894.88	1/2	537.15	1/2	179.29	1/2		1/2		1/2	
3/4	2,318.45	3/4	1,960.59	3/4	1,602.72	3/4	1,244.86	3/4	887.44	3/4	529.69	3/4	171.84	3/4		3/4		3/4	
10	2,311.00	10	1,953.13	10	1,595.27	10	1,237.40	10	880.00	10	522.24	10	164.38	10	10	10		10	
1/4	2,303.54	1/4	1,945.68	1/4	1,587.81	1/4	1,229.95	1/4	872.56	1/4	514.78	1/4	156.93	1/4		1/4		1/4	
1/2	2,296.09	1/2	1,938.22	1/2	1,580.36	1/2	1,222.49	1/2	865.12	1/2	507.33	1/2	149.47	1/2		1/2		1/2	
3/4	2,288.63	3/4	1,930.77	3/4	1,572.90	3/4	1,215.04	3/4	857.68	3/4	499.87	3/4	142.02	3/4		3/4		3/4	
11	2,281.17	11	1,923.31	11	1,565.45	11	1,207.58	11	850.24	11	492.42	11	134.56	11	11	11		11	
1/4	2,273.72	1/4	1,915.85	1/4	1,557.99	1/4	1,200.13	1/4	842.79	1/4	484.96	1/4	127.11	1/4		1/4		1/4	
1/2	2,266.26	1/2	1,908.40	1/2	1,550.54	1/2	1,192.67	1/2	835.34	1/2	477.50	1/2	119.65	1/2		1/2		1/2	
3/4	2,258.81	3/4	1,900.94	3/4	1,543.08	3/4	1,185.22	3/4	827.90	3/4	470.05	3/4	112.19	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/22/2013 CL
RECALCULATED: 10/24/2018 CL
VERIFIED: 08/08/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
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