



BARGE "TMTB 104"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 6'-00"
 DIFF. = 4'-00" (DOWN BY STERN)

THE CORRECTION FOR 4'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-7/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 1/8"

LENGTH BETWEEN DRAFT MARKS: 236'-00"

December 7, 2020

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



BARGE "TMTB 104"

1 PORT ULLAGE TABLE

HERMETIC GAUGE HEIGHT 15'-06"

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	4,576.78	0	4,278.53	0	3,970.06	0	3,645.33	0	3,314.96	0	2,984.58	0	2,654.21	0	2,323.83	0	1,993.45
1/4		1/4	4,571.41	1/4	4,272.26	1/4	3,963.44	1/4	3,638.45	1/4	3,308.07	1/4	2,977.70	1/4	2,647.32	1/4	2,316.95	1/4	1,986.56
1/2		1/2	4,566.03	1/2	4,265.98	1/2	3,956.81	1/2	3,631.56	1/2	3,301.19	1/2	2,970.82	1/2	2,640.44	1/2	2,310.07	1/2	1,979.68
3/4		3/4	4,560.66	3/4	4,259.71	3/4	3,950.19	3/4	3,624.68	3/4	3,294.31	3/4	2,963.93	3/4	2,633.56	3/4	2,303.18	3/4	1,972.79
1		1	4,555.29	1	4,253.44	1	3,943.56	1	3,617.80	1	3,287.42	1	2,957.05	1	2,626.68	1	2,296.30	1	1,965.91
1/4		1/4	4,548.89	1/4	4,247.15	1/4	3,936.91	1/4	3,610.92	1/4	3,280.54	1/4	2,950.17	1/4	2,619.79	1/4	2,289.42	1/4	1,959.02
1/2		1/2	4,542.48	1/2	4,240.85	1/2	3,930.26	1/2	3,604.03	1/2	3,273.66	1/2	2,943.28	1/2	2,612.91	1/2	2,282.54	1/2	1,952.14
3/4		3/4	4,536.08	3/4	4,234.55	3/4	3,923.61	3/4	3,597.15	3/4	3,266.78	3/4	2,936.40	3/4	2,606.03	3/4	2,275.65	3/4	1,945.25
2		2	4,529.67	2	4,228.25	2	3,916.96	2	3,590.27	2	3,259.89	2	2,929.52	2	2,599.14	2	2,268.77	2	1,938.37
1/4		1/4	4,522.92	1/4	4,221.93	1/4	3,910.28	1/4	3,583.38	1/4	3,253.01	1/4	2,922.64	1/4	2,592.26	1/4	2,261.89	1/4	1,931.48
1/2		1/2	4,516.18	1/2	4,215.61	1/2	3,903.61	1/2	3,576.50	1/2	3,246.13	1/2	2,915.75	1/2	2,585.38	1/2	2,255.00	1/2	1,924.60
3/4		3/4	4,509.43	3/4	4,209.29	3/4	3,896.93	3/4	3,569.62	3/4	3,239.24	3/4	2,908.87	3/4	2,578.50	3/4	2,248.12	3/4	1,917.71
3		3	4,502.68	3	4,202.96	3	3,890.25	3	3,562.74	3	3,232.36	3	2,901.99	3	2,571.61	3	2,241.24	3	1,910.83
1/4		1/4	4,495.93	1/4	4,196.61	1/4	3,883.55	1/4	3,555.85	1/4	3,225.48	1/4	2,895.10	1/4	2,564.73	1/4	2,234.36	1/4	1,903.94
1/2		1/2	4,489.18	1/2	4,190.26	1/2	3,876.85	1/2	3,548.97	1/2	3,218.60	1/2	2,888.22	1/2	2,557.85	1/2	2,227.47	1/2	1,897.06
3/4		3/4	4,482.44	3/4	4,183.91	3/4	3,870.14	3/4	3,542.09	3/4	3,211.71	3/4	2,881.34	3/4	2,550.96	3/4	2,220.59	3/4	1,890.17
4		4	4,475.69	4	4,177.56	4	3,863.44	4	3,535.20	4	3,204.83	4	2,874.46	4	2,544.08	4	2,213.71	4	1,883.29
1/4		1/4	4,469.32	1/4	4,171.19	1/4	3,856.71	1/4	3,528.32	1/4	3,197.95	1/4	2,867.57	1/4	2,537.20	1/4	2,206.82	1/4	1,876.40
1/2		1/2	4,462.96	1/2	4,164.81	1/2	3,849.98	1/2	3,521.44	1/2	3,191.06	1/2	2,860.69	1/2	2,530.32	1/2	2,199.94	1/2	1,869.52
3/4		3/4	4,456.60	3/4	4,158.44	3/4	3,843.25	3/4	3,514.56	3/4	3,184.18	3/4	2,853.81	3/4	2,523.43	3/4	2,193.06	3/4	1,862.63
5		5	4,450.23	5	4,152.06	5	3,836.52	5	3,507.67	5	3,177.30	5	2,846.92	5	2,516.55	5	2,186.18	5	1,855.75
1/4		1/4	4,444.24	1/4	4,145.66	1/4	3,829.77	1/4	3,500.79	1/4	3,170.42	1/4	2,840.04	1/4	2,509.67	1/4	2,179.29	1/4	1,848.86
1/2		1/2	4,438.25	1/2	4,139.26	1/2	3,823.01	1/2	3,493.91	1/2	3,163.53	1/2	2,833.16	1/2	2,502.78	1/2	2,172.41	1/2	1,841.98
3/4		3/4	4,432.25	3/4	4,132.86	3/4	3,816.26	3/4	3,487.03	3/4	3,156.65	3/4	2,826.28	3/4	2,495.90	3/4	2,165.53	3/4	1,835.09
6		6	4,426.26	6	4,126.46	6	3,809.50	6	3,480.14	6	3,149.77	6	2,819.39	6	2,489.02	6	2,158.64	6	1,828.20
1/4		1/4	4,420.24	1/4	4,120.03	1/4	3,802.72	1/4	3,473.26	1/4	3,142.89	1/4	2,812.51	1/4	2,482.14	1/4	2,151.76	1/4	1,821.32
1/2		1/2	4,414.22	1/2	4,113.60	1/2	3,795.94	1/2	3,466.38	1/2	3,136.00	1/2	2,805.63	1/2	2,475.25	1/2	2,144.88	1/2	1,814.43
3/4		3/4	4,408.20	3/4	4,107.17	3/4	3,789.16	3/4	3,459.49	3/4	3,129.12	3/4	2,798.75	3/4	2,468.37	3/4	2,138.00	3/4	1,807.55
7		7	4,402.19	7	4,100.74	7	3,782.38	7	3,452.61	7	3,122.24	7	2,791.86	7	2,461.49	7	2,131.11	7	1,800.66
1/4		1/4	4,396.09	1/4	4,094.29	1/4	3,775.57	1/4	3,445.73	1/4	3,115.35	1/4	2,784.98	1/4	2,454.61	1/4	2,124.23	1/4	1,793.78
1/2		1/2	4,390.00	1/2	4,087.84	1/2	3,768.76	1/2	3,438.85	1/2	3,108.47	1/2	2,778.10	1/2	2,447.72	1/2	2,117.35	1/2	1,786.89
3/4		3/4	4,383.91	3/4	4,081.38	3/4	3,761.95	3/4	3,431.96	3/4	3,101.59	3/4	2,771.21	3/4	2,440.84	3/4	2,110.47	3/4	1,780.01
8		8	4,377.82	8	4,074.93	8	3,755.15	8	3,425.08	8	3,094.71	8	2,764.33	8	2,433.96	8	2,103.58	8	1,773.12
1/4		1/4	4,371.65	1/4	4,068.43	1/4	3,748.31	1/4	3,418.20	1/4	3,087.82	1/4	2,757.45	1/4	2,427.07	1/4	2,096.70	1/4	1,766.24
1/2		1/2	4,365.48	1/2	4,061.93	1/2	3,741.48	1/2	3,411.31	1/2	3,080.94	1/2	2,750.57	1/2	2,420.19	1/2	2,089.82	1/2	1,759.35
3/4		3/4	4,359.32	3/4	4,055.43	3/4	3,734.65	3/4	3,404.43	3/4	3,074.06	3/4	2,743.68	3/4	2,413.31	3/4	2,082.93	3/4	1,752.47
9		9	4,353.15	9	4,048.93	9	3,727.81	9	3,397.55	9	3,067.17	9	2,736.80	9	2,406.43	9	2,076.05	9	1,745.58
1/4		1/4	4,346.96	1/4	4,042.38	1/4	3,720.95	1/4	3,390.67	1/4	3,060.29	1/4	2,729.92	1/4	2,399.54	1/4	2,069.17	1/4	1,738.70
1/2		1/2	4,340.77	1/2	4,035.84	1/2	3,714.09	1/2	3,383.78	1/2	3,053.41	1/2	2,723.03	1/2	2,392.66	1/2	2,062.29	1/2	1,731.81
3/4		3/4	4,334.57	3/4	4,029.29	3/4	3,707.23	3/4	3,376.90	3/4	3,046.53	3/4	2,716.15	3/4	2,385.78	3/4	2,055.40	3/4	1,724.93
10		10	4,328.38	10	4,022.74	10	3,700.37	10	3,370.02	10	3,039.64	10	2,709.27	10	2,378.89	10	2,048.52	10	1,718.04
1/4		1/4	4,322.16	1/4	4,016.17	1/4	3,693.49	1/4	3,363.13	1/4	3,032.76	1/4	2,702.39	1/4	2,372.01	1/4	2,041.64	1/4	1,711.16
1/2		1/2	4,315.94	1/2	4,009.60	1/2	3,686.62	1/2	3,356.25	1/2	3,025.88	1/2	2,695.50	1/2	2,365.13	1/2	2,034.75	1/2	1,704.27
3/4		3/4	4,309.72	3/4	4,003.03	3/4	3,679.74	3/4	3,349.37	3/4	3,018.99	3/4	2,688.62	3/4	2,358.25	3/4	2,027.87	3/4	1,697.39
11		11	4,303.51	11	3,996.46	11	3,672.86	11	3,342.49	11	3,012.11	11	2,681.74	11	2,351.36	11	2,020.99	11	1,690.50
1/4		1/4	4,297.26	1/4	3,989.86	1/4	3,665.98	1/4	3,335.60	1/4	3,005.23	1/4	2,674.85	1/4	2,344.48	1/4	2,014.10	1/4	1,683.62
1/2		1/2	4,291.02	1/2	3,983.26	1/2	3,659.10	1/2	3,328.72	1/2	2,998.35	1/2	2,667.97	1/2	2,337.60	1/2	2,007.22	1/2	1,676.73
3/4		3/4	4,284.77	3/4	3,976.66	3/4	3,652.21	3/4	3,321.84	3/4	2,991.46	3/4	2,661.09	3/4	2,330.71	3/4	2,000.33	3/4	1,669.85

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 TO TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "TMTB 104"

1 PORT ULLAGE TABLE HERMETIC GAUGE HEIGHT 15'-06"

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	1,662.96	0	1,332.48	0	1,002.72	0	688.70	0	397.36	0	127.26	0		0		0		0	
1/4	1,656.08	1/4	1,325.59	1/4	995.97	1/4	682.40	1/4	391.52	1/4	121.88	1/4		1/4		1/4		1/4	
1/2	1,649.19	1/2	1,318.71	1/2	989.21	1/2	676.11	1/2	385.69	1/2	116.50	1/2		1/2		1/2		1/2	
3/4	1,642.31	3/4	1,311.82	3/4	982.46	3/4	669.82	3/4	379.85	3/4	111.12	3/4		3/4		3/4		3/4	
1	1,635.42	1	1,304.94	1	975.71	1	663.52	1	374.01	1	105.74	1		1		1		1	
1/4	1,628.54	1/4	1,298.05	1/4	969.00	1/4	657.27	1/4	368.22	1/4	100.40	1/4		1/4		1/4		1/4	
1/2	1,621.65	1/2	1,291.17	1/2	962.28	1/2	651.01	1/2	362.42	1/2	95.06	1/2		1/2		1/2		1/2	
3/4	1,614.77	3/4	1,284.28	3/4	955.57	3/4	644.75	3/4	356.62	3/4	89.72	3/4		3/4		3/4		3/4	
2	1,607.88	2	1,277.40	2	948.86	2	638.50	2	350.82	2	84.38	2		2		2		2	
1/4	1,601.00	1/4	1,270.51	1/4	942.18	1/4	632.29	1/4	345.06	1/4	79.08	1/4		1/4		1/4		1/4	
1/2	1,594.11	1/2	1,263.63	1/2	935.51	1/2	626.08	1/2	339.30	1/2	73.77	1/2		1/2		1/2		1/2	
3/4	1,587.23	3/4	1,256.74	3/4	928.83	3/4	619.88	3/4	333.54	3/4	68.47	3/4		3/4		3/4		3/4	
3	1,580.34	3	1,249.86	3	922.15	3	613.67	3	327.78	3	63.17	3		3		3		3	
1/4	1,573.46	1/4	1,242.97	1/4	915.52	1/4	607.51	1/4	322.06	1/4	57.90	1/4		1/4		1/4		1/4	
1/2	1,566.57	1/2	1,236.09	1/2	908.88	1/2	601.36	1/2	316.33	1/2	52.64	1/2		1/2		1/2		1/2	
3/4	1,559.69	3/4	1,229.20	3/4	902.24	3/4	595.20	3/4	310.61	3/4	47.37	3/4		3/4		3/4		3/4	
4	1,552.80	4	1,222.32	4	895.61	4	589.04	4	304.89	4	42.11	4		4		4		4	
1/4	1,545.92	1/4	1,215.43	1/4	889.01	1/4	582.92	1/4	299.20	1/4	37.45	1/4		1/4		1/4		1/4	
1/2	1,539.03	1/2	1,208.55	1/2	882.41	1/2	576.80	1/2	293.52	1/2	32.80	1/2		1/2		1/2		1/2	
3/4	1,532.15	3/4	1,201.66	3/4	875.81	3/4	570.68	3/4	287.84	3/4	28.15	3/4		3/4		3/4		3/4	
5	1,525.26	5	1,194.78	5	869.21	5	564.56	5	282.15	5	23.50	5		5		5		5	
1/4	1,518.38	1/4	1,187.89	1/4	862.65	1/4	558.48	1/4	276.51	1/4	20.17	1/4		1/4		1/4		1/4	
1/2	1,511.49	1/2	1,181.01	1/2	856.09	1/2	552.40	1/2	270.86	1/2	16.84	1/2		1/2		1/2		1/2	
3/4	1,504.61	3/4	1,174.12	3/4	849.52	3/4	546.32	3/4	265.21	3/4	13.51	3/4		3/4		3/4		3/4	
6	1,497.72	6	1,167.24	6	842.96	6	540.24	6	259.57	6	10.19	6		6		6		6	
1/4	1,490.83	1/4	1,160.35	1/4	836.44	1/4	534.20	1/4	253.96	1/4		1/4		1/4		1/4		1/4	
1/2	1,483.95	1/2	1,153.47	1/2	829.92	1/2	528.15	1/2	248.35	1/2		1/2		1/2		1/2		1/2	
3/4	1,477.06	3/4	1,146.58	3/4	823.39	3/4	522.11	3/4	242.74	3/4		3/4		3/4		3/4		3/4	
7	1,470.18	7	1,139.69	7	816.87	7	516.07	7	237.14	7		7		7		7		7	
1/4	1,463.29	1/4	1,132.81	1/4	810.39	1/4	510.06	1/4	231.57	1/4		1/4		1/4		1/4		1/4	
1/2	1,456.41	1/2	1,125.92	1/2	803.90	1/2	504.06	1/2	226.00	1/2		1/2		1/2		1/2		1/2	
3/4	1,449.52	3/4	1,119.04	3/4	797.42	3/4	498.05	3/4	220.43	3/4		3/4		3/4		3/4		3/4	
8	1,442.64	8	1,112.15	8	790.93	8	492.05	8	214.86	8		8		8		8		8	
1/4	1,435.75	1/4	1,105.27	1/4	784.49	1/4	486.08	1/4	209.32	1/4		1/4		1/4		1/4		1/4	
1/2	1,428.87	1/2	1,098.39	1/2	778.04	1/2	480.12	1/2	203.79	1/2		1/2		1/2		1/2		1/2	
3/4	1,421.98	3/4	1,091.51	3/4	771.59	3/4	474.15	3/4	198.26	3/4		3/4		3/4		3/4		3/4	
9	1,415.10	9	1,084.63	9	765.15	9	468.18	9	192.73	9		9		9		9		9	
1/4	1,408.21	1/4	1,077.77	1/4	758.74	1/4	462.25	1/4	187.23	1/4		1/4		1/4		1/4		1/4	
1/2	1,401.33	1/2	1,070.91	1/2	752.33	1/2	456.32	1/2	181.74	1/2		1/2		1/2		1/2		1/2	
3/4	1,394.44	3/4	1,064.05	3/4	745.92	3/4	450.40	3/4	176.25	3/4		3/4		3/4		3/4		3/4	
10	1,387.56	10	1,057.19	10	739.51	10	444.47	10	170.75	10		10		10		10		10	
1/4	1,380.67	1/4	1,050.36	1/4	733.14	1/4	438.57	1/4	165.30	1/4		1/4		1/4		1/4		1/4	
1/2	1,373.79	1/2	1,043.53	1/2	726.77	1/2	432.66	1/2	159.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,366.90	3/4	1,036.70	3/4	720.40	3/4	426.76	3/4	154.39	3/4		3/4		3/4		3/4		3/4	
11	1,360.02	11	1,029.88	11	714.03	11	420.86	11	148.93	11		11		11		11		11	
1/4	1,353.13	1/4	1,023.09	1/4	707.70	1/4	414.99	1/4	143.51	1/4		1/4		1/4		1/4		1/4	
1/2	1,346.25	1/2	1,016.30	1/2	701.36	1/2	409.11	1/2	138.10	1/2		1/2		1/2		1/2		1/2	
3/4	1,339.36	3/4	1,009.51	3/4	695.03	3/4	403.24	3/4	132.68	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/07/2020 JS
CALCULATED: 12/07/2020 CL
PRINTED: 12/07/2020 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2020

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



BARGE "TMTB 104"

1 STBD ULLAGE TABLE

HERMETIC GAUGE HEIGHT 15'-06"

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	4,590.92	0	4,291.65	0	3,982.15	0	3,656.33	0	3,324.86	0	2,993.40	0	2,661.93	0	2,330.47	0	1,998.99
1/4		1/4	4,585.53	1/4	4,285.36	1/4	3,975.50	1/4	3,649.42	1/4	3,317.96	1/4	2,986.49	1/4	2,655.03	1/4	2,323.56	1/4	1,992.08
1/2		1/2	4,580.14	1/2	4,279.07	1/2	3,968.85	1/2	3,642.51	1/2	3,311.05	1/2	2,979.59	1/2	2,648.12	1/2	2,316.66	1/2	1,985.17
3/4		3/4	4,574.75	3/4	4,272.77	3/4	3,962.21	3/4	3,635.61	3/4	3,304.14	3/4	2,972.68	3/4	2,641.22	3/4	2,309.75	3/4	1,978.26
1		1	4,569.35	1	4,266.48	1	3,955.56	1	3,628.70	1	3,297.24	1	2,965.78	1	2,634.31	1	2,302.85	1	1,971.36
1/4		1/4	4,562.93	1/4	4,260.16	1/4	3,948.89	1/4	3,621.80	1/4	3,290.33	1/4	2,958.87	1/4	2,627.41	1/4	2,295.94	1/4	1,964.45
1/2		1/2	4,556.50	1/2	4,253.85	1/2	3,942.21	1/2	3,614.89	1/2	3,283.43	1/2	2,951.96	1/2	2,620.50	1/2	2,289.04	1/2	1,957.54
3/4		3/4	4,550.07	3/4	4,247.53	3/4	3,935.54	3/4	3,607.99	3/4	3,276.52	3/4	2,945.06	3/4	2,613.59	3/4	2,282.13	3/4	1,950.63
2		2	4,543.65	2	4,241.21	2	3,928.87	2	3,601.08	2	3,269.62	2	2,938.15	2	2,606.69	2	2,275.23	2	1,943.73
1/4		1/4	4,536.88	1/4	4,234.86	1/4	3,922.17	1/4	3,594.18	1/4	3,262.71	1/4	2,931.25	1/4	2,599.78	1/4	2,268.32	1/4	1,936.82
1/2		1/2	4,530.11	1/2	4,228.52	1/2	3,915.47	1/2	3,587.27	1/2	3,255.81	1/2	2,924.34	1/2	2,592.88	1/2	2,261.41	1/2	1,929.91
3/4		3/4	4,523.34	3/4	4,222.17	3/4	3,908.77	3/4	3,580.36	3/4	3,248.90	3/4	2,917.44	3/4	2,585.97	3/4	2,254.51	3/4	1,923.00
3		3	4,516.57	3	4,215.83	3	3,902.07	3	3,573.46	3	3,242.00	3	2,910.53	3	2,579.07	3	2,247.60	3	1,916.09
1/4		1/4	4,509.80	1/4	4,209.46	1/4	3,895.35	1/4	3,566.55	1/4	3,235.09	1/4	2,903.63	1/4	2,572.16	1/4	2,240.70	1/4	1,909.19
1/2		1/2	4,503.03	1/2	4,203.09	1/2	3,888.62	1/2	3,559.65	1/2	3,228.18	1/2	2,896.72	1/2	2,565.26	1/2	2,233.79	1/2	1,902.28
3/4		3/4	4,496.26	3/4	4,196.72	3/4	3,881.90	3/4	3,552.74	3/4	3,221.28	3/4	2,889.81	3/4	2,558.35	3/4	2,226.89	3/4	1,895.37
4		4	4,489.49	4	4,190.35	4	3,875.17	4	3,545.84	4	3,214.37	4	2,882.91	4	2,551.45	4	2,219.98	4	1,888.46
1/4		1/4	4,483.10	1/4	4,183.95	1/4	3,868.42	1/4	3,538.93	1/4	3,207.47	1/4	2,876.00	1/4	2,544.54	1/4	2,213.08	1/4	1,881.56
1/2		1/2	4,476.71	1/2	4,177.55	1/2	3,861.67	1/2	3,532.03	1/2	3,200.56	1/2	2,869.10	1/2	2,537.63	1/2	2,206.17	1/2	1,874.65
3/4		3/4	4,470.33	3/4	4,171.16	3/4	3,854.92	3/4	3,525.12	3/4	3,193.66	3/4	2,862.19	3/4	2,530.73	3/4	2,199.26	3/4	1,867.74
5		5	4,463.94	5	4,164.76	5	3,848.16	5	3,518.22	5	3,186.75	5	2,855.29	5	2,523.82	5	2,192.36	5	1,860.83
1/4		1/4	4,457.93	1/4	4,158.34	1/4	3,841.39	1/4	3,511.31	1/4	3,179.85	1/4	2,848.38	1/4	2,516.92	1/4	2,185.45	1/4	1,853.92
1/2		1/2	4,451.92	1/2	4,151.91	1/2	3,834.61	1/2	3,504.40	1/2	3,172.94	1/2	2,841.48	1/2	2,510.01	1/2	2,178.55	1/2	1,847.02
3/4		3/4	4,445.90	3/4	4,145.49	3/4	3,827.83	3/4	3,497.50	3/4	3,166.03	3/4	2,834.57	3/4	2,503.11	3/4	2,171.64	3/4	1,840.11
6		6	4,439.89	6	4,139.07	6	3,821.05	6	3,490.59	6	3,159.13	6	2,827.67	6	2,496.20	6	2,164.74	6	1,833.20
1/4		1/4	4,433.85	1/4	4,132.62	1/4	3,814.25	1/4	3,483.69	1/4	3,152.22	1/4	2,820.76	1/4	2,489.30	1/4	2,157.83	1/4	1,826.29
1/2		1/2	4,427.81	1/2	4,126.17	1/2	3,807.45	1/2	3,476.78	1/2	3,145.32	1/2	2,813.85	1/2	2,482.39	1/2	2,150.93	1/2	1,819.39
3/4		3/4	4,421.77	3/4	4,119.72	3/4	3,800.64	3/4	3,469.88	3/4	3,138.41	3/4	2,806.95	3/4	2,475.48	3/4	2,144.02	3/4	1,812.48
7		7	4,415.73	7	4,113.27	7	3,793.84	7	3,462.97	7	3,131.51	7	2,800.04	7	2,468.58	7	2,137.12	7	1,805.57
1/4		1/4	4,409.62	1/4	4,106.79	1/4	3,787.01	1/4	3,456.07	1/4	3,124.60	1/4	2,793.14	1/4	2,461.67	1/4	2,130.21	1/4	1,798.66
1/2		1/2	4,403.50	1/2	4,100.32	1/2	3,780.18	1/2	3,449.16	1/2	3,117.70	1/2	2,786.23	1/2	2,454.77	1/2	2,123.30	1/2	1,791.75
3/4		3/4	4,397.39	3/4	4,093.84	3/4	3,773.35	3/4	3,442.25	3/4	3,110.79	3/4	2,779.33	3/4	2,447.86	3/4	2,116.40	3/4	1,784.85
8		8	4,391.28	8	4,087.36	8	3,766.52	8	3,435.35	8	3,103.89	8	2,772.42	8	2,440.96	8	2,109.49	8	1,777.94
1/4		1/4	4,385.09	1/4	4,080.84	1/4	3,759.66	1/4	3,428.44	1/4	3,096.98	1/4	2,765.52	1/4	2,434.05	1/4	2,102.59	1/4	1,771.03
1/2		1/2	4,378.90	1/2	4,074.32	1/2	3,752.80	1/2	3,421.54	1/2	3,090.07	1/2	2,758.61	1/2	2,427.15	1/2	2,095.68	1/2	1,764.12
3/4		3/4	4,372.71	3/4	4,067.80	3/4	3,745.95	3/4	3,414.63	3/4	3,083.17	3/4	2,751.70	3/4	2,420.24	3/4	2,088.78	3/4	1,757.22
9		9	4,366.53	9	4,061.28	9	3,739.09	9	3,407.73	9	3,076.26	9	2,744.80	9	2,413.34	9	2,081.87	9	1,750.31
1/4		1/4	4,360.31	1/4	4,054.71	1/4	3,732.21	1/4	3,400.82	1/4	3,069.36	1/4	2,737.89	1/4	2,406.43	1/4	2,074.97	1/4	1,743.40
1/2		1/2	4,354.10	1/2	4,048.14	1/2	3,725.33	1/2	3,393.92	1/2	3,062.45	1/2	2,730.99	1/2	2,399.52	1/2	2,068.06	1/2	1,736.49
3/4		3/4	4,347.89	3/4	4,041.57	3/4	3,718.44	3/4	3,387.01	3/4	3,055.55	3/4	2,724.08	3/4	2,392.62	3/4	2,061.15	3/4	1,729.58
10		10	4,341.67	10	4,035.00	10	3,711.56	10	3,380.11	10	3,048.64	10	2,717.18	10	2,385.71	10	2,054.25	10	1,722.68
1/4		1/4	4,335.43	1/4	4,028.41	1/4	3,704.66	1/4	3,373.20	1/4	3,041.74	1/4	2,710.27	1/4	2,378.81	1/4	2,047.34	1/4	1,715.77
1/2		1/2	4,329.19	1/2	4,021.82	1/2	3,697.75	1/2	3,366.29	1/2	3,034.83	1/2	2,703.37	1/2	2,371.90	1/2	2,040.43	1/2	1,708.86
3/4		3/4	4,322.95	3/4	4,015.22	3/4	3,690.85	3/4	3,359.39	3/4	3,027.92	3/4	2,696.46	3/4	2,365.00	3/4	2,033.53	3/4	1,701.95
11		11	4,316.71	11	4,008.63	11	3,683.95	11	3,352.48	11	3,021.02	11	2,689.56	11	2,358.09	11	2,026.62	11	1,695.04
1/4		1/4	4,310.45	1/4	4,002.01	1/4	3,677.04	1/4	3,345.58	1/4	3,014.11	1/4	2,682.65	1/4	2,351.19	1/4	2,019.71	1/4	1,688.14
1/2		1/2	4,304.18	1/2	3,995.39	1/2	3,670.14	1/2	3,338.67	1/2	3,007.21	1/2	2,675.74	1/2	2,344.28	1/2	2,012.80	1/2	1,681.23
3/4		3/4	4,297.92	3/4	3,988.77	3/4	3,663.23	3/4	3,331.77	3/4	3,000.30	3/4	2,668.84	3/4	2,337.37	3/4	2,005.90	3/4	1,674.32

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 TO TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 44'-03" 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 "TMTB 104"

1 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 15'-06"

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	1,667.41	0	1,335.84	0	1,004.99	0	690.07	0	398.77	0	127.72	0		0		0		0	
1/4	1,660.51	1/4	1,328.93	1/4	998.22	1/4	683.78	1/4	392.91	1/4	122.32	1/4		1/4		1/4		1/4	
1/2	1,653.60	1/2	1,322.02	1/2	991.44	1/2	677.49	1/2	387.06	1/2	116.93	1/2		1/2		1/2		1/2	
3/4	1,646.69	3/4	1,315.12	3/4	984.67	3/4	671.20	3/4	381.20	3/4	111.53	3/4		3/4		3/4		3/4	
1	1,639.78	1	1,308.21	1	977.89	1	664.90	1	375.34	1	106.13	1		1		1		1	
1/4	1,632.87	1/4	1,301.30	1/4	971.16	1/4	658.65	1/4	369.52	1/4	100.77	1/4		1/4		1/4		1/4	
1/2	1,625.97	1/2	1,294.39	1/2	964.42	1/2	652.40	1/2	363.70	1/2	95.41	1/2		1/2		1/2		1/2	
3/4	1,619.06	3/4	1,287.48	3/4	957.69	3/4	646.15	3/4	357.89	3/4	90.05	3/4		3/4		3/4		3/4	
2	1,612.15	2	1,280.58	2	950.95	2	639.89	2	352.07	2	84.69	2		2		2		2	
1/4	1,605.24	1/4	1,273.67	1/4	944.25	1/4	633.69	1/4	346.29	1/4	79.37	1/4		1/4		1/4		1/4	
1/2	1,598.34	1/2	1,266.76	1/2	937.55	1/2	627.49	1/2	340.51	1/2	74.04	1/2		1/2		1/2		1/2	
3/4	1,591.43	3/4	1,259.85	3/4	930.86	3/4	621.28	3/4	334.73	3/4	68.72	3/4		3/4		3/4		3/4	
3	1,584.52	3	1,252.95	3	924.16	3	615.08	3	328.94	3	63.40	3		3		3		3	
1/4	1,577.61	1/4	1,246.04	1/4	917.50	1/4	608.93	1/4	323.20	1/4	58.12	1/4		1/4		1/4		1/4	
1/2	1,570.70	1/2	1,239.13	1/2	910.84	1/2	602.77	1/2	317.46	1/2	52.83	1/2		1/2		1/2		1/2	
3/4	1,563.80	3/4	1,232.22	3/4	904.18	3/4	596.62	3/4	311.72	3/4	47.55	3/4		3/4		3/4		3/4	
4	1,556.89	4	1,225.31	4	897.52	4	590.47	4	305.98	4	42.26	4		4		4		4	
1/4	1,549.98	1/4	1,218.41	1/4	890.90	1/4	584.35	1/4	300.27	1/4	37.59	1/4		1/4		1/4		1/4	
1/2	1,543.07	1/2	1,211.50	1/2	884.28	1/2	578.24	1/2	294.57	1/2	32.92	1/2		1/2		1/2		1/2	
3/4	1,536.17	3/4	1,204.59	3/4	877.66	3/4	572.12	3/4	288.86	3/4	28.25	3/4		3/4		3/4		3/4	
5	1,529.26	5	1,197.68	5	871.04	5	566.00	5	283.16	5	23.58	5		5		5		5	
1/4	1,522.35	1/4	1,190.78	1/4	864.45	1/4	559.93	1/4	277.49	1/4	20.24	1/4		1/4		1/4		1/4	
1/2	1,515.44	1/2	1,183.87	1/2	857.87	1/2	553.85	1/2	271.83	1/2	16.90	1/2		1/2		1/2		1/2	
3/4	1,508.53	3/4	1,176.96	3/4	851.29	3/4	547.77	3/4	266.16	3/4	13.57	3/4		3/4		3/4		3/4	
6	1,501.63	6	1,170.05	6	844.70	6	541.70	6	260.50	6	10.22	6		6		6		6	
1/4	1,494.72	1/4	1,163.14	1/4	838.16	1/4	535.66	1/4	254.87	1/4		1/4		1/4		1/4		1/4	
1/2	1,487.81	1/2	1,156.24	1/2	831.61	1/2	529.62	1/2	249.24	1/2		1/2		1/2		1/2		1/2	
3/4	1,480.90	3/4	1,149.33	3/4	825.07	3/4	523.58	3/4	243.61	3/4		3/4		3/4		3/4		3/4	
7	1,474.00	7	1,142.42	7	818.52	7	517.54	7	237.98	7		7		7		7		7	
1/4	1,467.09	1/4	1,135.51	1/4	812.02	1/4	511.54	1/4	232.39	1/4		1/4		1/4		1/4		1/4	
1/2	1,460.18	1/2	1,128.61	1/2	805.51	1/2	505.54	1/2	226.81	1/2		1/2		1/2		1/2		1/2	
3/4	1,453.27	3/4	1,121.70	3/4	799.00	3/4	499.54	3/4	221.22	3/4		3/4		3/4		3/4		3/4	
8	1,446.36	8	1,114.79	8	792.50	8	493.54	8	215.63	8		8		8		8		8	
1/4	1,439.46	1/4	1,107.89	1/4	786.03	1/4	487.57	1/4	210.07	1/4		1/4		1/4		1/4		1/4	
1/2	1,432.55	1/2	1,100.98	1/2	779.56	1/2	481.61	1/2	204.52	1/2		1/2		1/2		1/2		1/2	
3/4	1,425.64	3/4	1,094.08	3/4	773.09	3/4	475.65	3/4	198.97	3/4		3/4		3/4		3/4		3/4	
9	1,418.73	9	1,087.18	9	766.62	9	469.69	9	193.42	9		9		9		9		9	
1/4	1,411.83	1/4	1,080.29	1/4	760.19	1/4	463.76	1/4	187.91	1/4		1/4		1/4		1/4		1/4	
1/2	1,404.92	1/2	1,073.41	1/2	753.76	1/2	457.84	1/2	182.39	1/2		1/2		1/2		1/2		1/2	
3/4	1,398.01	3/4	1,066.53	3/4	747.33	3/4	451.91	3/4	176.88	3/4		3/4		3/4		3/4		3/4	
10	1,391.10	10	1,059.64	10	740.90	10	445.99	10	171.37	10		10		10		10		10	
1/4	1,384.19	1/4	1,052.79	1/4	734.52	1/4	440.08	1/4	165.89	1/4		1/4		1/4		1/4		1/4	
1/2	1,377.29	1/2	1,045.94	1/2	728.14	1/2	434.17	1/2	160.42	1/2		1/2		1/2		1/2		1/2	
3/4	1,370.38	3/4	1,039.09	3/4	721.76	3/4	428.26	3/4	154.94	3/4		3/4		3/4		3/4		3/4	
11	1,363.47	11	1,032.24	11	715.38	11	422.35	11	149.47	11		11		11		11		11	
1/4	1,356.56	1/4	1,025.43	1/4	709.06	1/4	416.45	1/4	144.03	1/4		1/4		1/4		1/4		1/4	
1/2	1,349.65	1/2	1,018.62	1/2	702.73	1/2	410.56	1/2	138.60	1/2		1/2		1/2		1/2		1/2	
3/4	1,342.75	3/4	1,011.80	3/4	696.40	3/4	404.66	3/4	133.16	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/07/2020 JS
CALCULATED: 12/07/2020 CL
PRINTED: 12/07/2020 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "TMTB 104"

2 PORT ULLAGE TABLE

HERMETIC GAUGE HEIGHT 15'-06"

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	5,544.14	0	5,193.85	0	4,832.20	0	4,451.72	0	4,064.65	0	3,677.58	0	3,290.51	0	2,903.44	0	2,516.35
1/4		1/4	5,537.82	1/4	5,186.50	1/4	4,824.44	1/4	4,443.66	1/4	4,056.59	1/4	3,669.52	1/4	3,282.44	1/4	2,895.37	1/4	2,508.28
1/2		1/2	5,531.50	1/2	5,179.14	1/2	4,816.68	1/2	4,435.60	1/2	4,048.52	1/2	3,661.45	1/2	3,274.38	1/2	2,887.31	1/2	2,500.22
3/4		3/4	5,525.18	3/4	5,171.79	3/4	4,808.91	3/4	4,427.53	3/4	4,040.46	3/4	3,653.39	3/4	3,266.32	3/4	2,879.24	3/4	2,492.15
1		1	5,518.86	1	5,164.44	1	4,801.15	1	4,419.47	1	4,032.40	1	3,645.32	1	3,258.25	1	2,871.18	1	2,484.09
1/4		1/4	5,511.34	1/4	5,157.05	1/4	4,793.36	1/4	4,411.40	1/4	4,024.33	1/4	3,637.26	1/4	3,250.19	1/4	2,863.12	1/4	2,476.02
1/2		1/2	5,503.81	1/2	5,149.67	1/2	4,785.57	1/2	4,403.34	1/2	4,016.27	1/2	3,629.20	1/2	3,242.12	1/2	2,855.05	1/2	2,467.95
3/4		3/4	5,496.28	3/4	5,142.28	3/4	4,777.78	3/4	4,395.28	3/4	4,008.20	3/4	3,621.13	3/4	3,234.06	3/4	2,846.99	3/4	2,459.89
2		2	5,488.75	2	5,134.90	2	4,769.98	2	4,387.21	2	4,000.14	2	3,613.07	2	3,226.00	2	2,838.92	2	2,451.82
1/4		1/4	5,480.83	1/4	5,127.48	1/4	4,762.16	1/4	4,379.15	1/4	3,992.08	1/4	3,605.00	1/4	3,217.93	1/4	2,830.86	1/4	2,443.75
1/2		1/2	5,472.90	1/2	5,120.06	1/2	4,754.34	1/2	4,371.08	1/2	3,984.01	1/2	3,596.94	1/2	3,209.87	1/2	2,822.80	1/2	2,435.69
3/4		3/4	5,464.97	3/4	5,112.65	3/4	4,746.51	3/4	4,363.02	3/4	3,975.95	3/4	3,588.88	3/4	3,201.80	3/4	2,814.73	3/4	2,427.62
3		3	5,457.04	3	5,105.23	3	4,738.69	3	4,354.96	3	3,967.88	3	3,580.81	3	3,193.74	3	2,806.67	3	2,419.56
1/4		1/4	5,449.11	1/4	5,097.79	1/4	4,730.84	1/4	4,346.89	1/4	3,959.82	1/4	3,572.75	1/4	3,185.68	1/4	2,798.60	1/4	2,411.49
1/2		1/2	5,441.18	1/2	5,090.34	1/2	4,722.98	1/2	4,338.83	1/2	3,951.76	1/2	3,564.68	1/2	3,177.61	1/2	2,790.54	1/2	2,403.42
3/4		3/4	5,433.25	3/4	5,082.89	3/4	4,715.13	3/4	4,330.76	3/4	3,943.69	3/4	3,556.62	3/4	3,169.55	3/4	2,782.48	3/4	2,395.36
4		4	5,425.32	4	5,075.45	4	4,707.28	4	4,322.70	4	3,935.63	4	3,548.56	4	3,161.48	4	2,774.41	4	2,387.29
1/4		1/4	5,417.84	1/4	5,067.97	1/4	4,699.39	1/4	4,314.64	1/4	3,927.56	1/4	3,540.49	1/4	3,153.42	1/4	2,766.35	1/4	2,379.22
1/2		1/2	5,410.36	1/2	5,060.49	1/2	4,691.51	1/2	4,306.57	1/2	3,919.50	1/2	3,532.43	1/2	3,145.36	1/2	2,758.28	1/2	2,371.16
3/4		3/4	5,402.88	3/4	5,053.02	3/4	4,683.62	3/4	4,298.51	3/4	3,911.44	3/4	3,524.36	3/4	3,137.29	3/4	2,750.22	3/4	2,363.09
5		5	5,395.40	5	5,045.54	5	4,675.74	5	4,290.44	5	3,903.37	5	3,516.30	5	3,129.23	5	2,742.16	5	2,355.02
1/4		1/4	5,388.36	1/4	5,038.03	1/4	4,667.83	1/4	4,282.38	1/4	3,895.31	1/4	3,508.24	1/4	3,121.16	1/4	2,734.09	1/4	2,346.96
1/2		1/2	5,381.31	1/2	5,030.52	1/2	4,659.91	1/2	4,274.32	1/2	3,887.24	1/2	3,500.17	1/2	3,113.10	1/2	2,726.03	1/2	2,338.89
3/4		3/4	5,374.26	3/4	5,023.02	3/4	4,652.00	3/4	4,266.25	3/4	3,879.18	3/4	3,492.11	3/4	3,105.04	3/4	2,717.96	3/4	2,330.83
6		6	5,367.22	6	5,015.51	6	4,644.08	6	4,258.19	6	3,871.12	6	3,484.04	6	3,096.97	6	2,709.90	6	2,322.76
1/4		1/4	5,360.14	1/4	5,007.97	1/4	4,636.14	1/4	4,250.12	1/4	3,863.05	1/4	3,475.98	1/4	3,088.91	1/4	2,701.84	1/4	2,314.69
1/2		1/2	5,353.07	1/2	5,000.43	1/2	4,628.19	1/2	4,242.06	1/2	3,854.99	1/2	3,467.92	1/2	3,080.84	1/2	2,693.77	1/2	2,306.63
3/4		3/4	5,345.99	3/4	4,992.89	3/4	4,620.25	3/4	4,234.00	3/4	3,846.92	3/4	3,459.85	3/4	3,072.78	3/4	2,685.71	3/4	2,298.56
7		7	5,338.92	7	4,985.36	7	4,612.30	7	4,225.93	7	3,838.86	7	3,451.79	7	3,064.72	7	2,677.64	7	2,290.49
1/4		1/4	5,331.76	1/4	4,977.79	1/4	4,604.32	1/4	4,217.87	1/4	3,830.80	1/4	3,443.72	1/4	3,056.65	1/4	2,669.58	1/4	2,282.43
1/2		1/2	5,324.61	1/2	4,970.22	1/2	4,596.35	1/2	4,209.80	1/2	3,822.73	1/2	3,435.66	1/2	3,048.59	1/2	2,661.52	1/2	2,274.36
3/4		3/4	5,317.45	3/4	4,962.65	3/4	4,588.37	3/4	4,201.74	3/4	3,814.67	3/4	3,427.60	3/4	3,040.52	3/4	2,653.45	3/4	2,266.30
8		8	5,310.30	8	4,955.08	8	4,580.40	8	4,193.68	8	3,806.60	8	3,419.53	8	3,032.46	8	2,645.39	8	2,258.23
1/4		1/4	5,303.07	1/4	4,947.46	1/4	4,572.39	1/4	4,185.61	1/4	3,798.54	1/4	3,411.47	1/4	3,024.40	1/4	2,637.32	1/4	2,250.16
1/2		1/2	5,295.84	1/2	4,939.84	1/2	4,564.38	1/2	4,177.55	1/2	3,790.48	1/2	3,403.40	1/2	3,016.33	1/2	2,629.26	1/2	2,242.10
3/4		3/4	5,288.60	3/4	4,932.22	3/4	4,556.38	3/4	4,169.48	3/4	3,782.41	3/4	3,395.34	3/4	3,008.27	3/4	2,621.20	3/4	2,234.03
9		9	5,281.37	9	4,924.60	9	4,548.37	9	4,161.42	9	3,774.35	9	3,387.28	9	3,000.20	9	2,613.13	9	2,225.96
1/4		1/4	5,274.11	1/4	4,916.93	1/4	4,540.33	1/4	4,153.36	1/4	3,766.28	1/4	3,379.21	1/4	2,992.14	1/4	2,605.07	1/4	2,217.90
1/2		1/2	5,266.85	1/2	4,909.26	1/2	4,532.30	1/2	4,145.29	1/2	3,758.22	1/2	3,371.15	1/2	2,984.08	1/2	2,597.00	1/2	2,209.83
3/4		3/4	5,259.58	3/4	4,901.59	3/4	4,524.26	3/4	4,137.23	3/4	3,750.16	3/4	3,363.08	3/4	2,976.01	3/4	2,588.94	3/4	2,201.77
10		10	5,252.32	10	4,893.92	10	4,516.22	10	4,129.16	10	3,742.09	10	3,355.02	10	2,967.95	10	2,580.88	10	2,193.70
1/4		1/4	5,245.03	1/4	4,886.22	1/4	4,508.16	1/4	4,121.10	1/4	3,734.03	1/4	3,346.96	1/4	2,959.88	1/4	2,572.81	1/4	2,185.63
1/2		1/2	5,237.74	1/2	4,878.52	1/2	4,500.10	1/2	4,113.04	1/2	3,725.96	1/2	3,338.89	1/2	2,951.82	1/2	2,564.75	1/2	2,177.57
3/4		3/4	5,230.44	3/4	4,870.82	3/4	4,492.04	3/4	4,104.97	3/4	3,717.90	3/4	3,330.83	3/4	2,943.76	3/4	2,556.68	3/4	2,169.50
11		11	5,223.15	11	4,863.12	11	4,483.98	11	4,096.91	11	3,709.84	11	3,322.76	11	2,935.69	11	2,548.62	11	2,161.43
1/4		1/4	5,215.83	1/4	4,855.39	1/4	4,475.92	1/4	4,088.84	1/4	3,701.77	1/4	3,314.70	1/4	2,927.63	1/4	2,540.55	1/4	2,153.37
1/2		1/2	5,208.50	1/2	4,847.66	1/2	4,467.85	1/2	4,080.78	1/2	3,693.71	1/2	3,306.64	1/2	2,919.56	1/2	2,532.48	1/2	2,145.30
3/4		3/4	5,201.18	3/4	4,839.93	3/4	4,459.79	3/4	4,072.72	3/4	3,685.64	3/4	3,298.57	3/4	2,911.50	3/4	2,524.42	3/4	2,137.23

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 TO TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 51'-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 "TMTB 104"

2 PORT ULLAGE TABLE HERMETIC GAUGE HEIGHT 15'-06"

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	2,129.17	0	1,741.99	0	1,354.80	0	967.62	0	581.16	0	193.99	0		0		0		0	
1/4	2,121.10	1/4	1,733.92	1/4	1,346.74	1/4	959.55	1/4	573.10	1/4	185.93	1/4		1/4		1/4		1/4	
1/2	2,113.04	1/2	1,725.85	1/2	1,338.67	1/2	951.49	1/2	565.03	1/2	177.86	1/2		1/2		1/2		1/2	
3/4	2,104.97	3/4	1,717.79	3/4	1,330.60	3/4	943.42	3/4	556.97	3/4	169.79	3/4		3/4		3/4		3/4	
1	2,096.90	1	1,709.72	1	1,322.54	1	935.36	1	548.90	1	161.73	1		1		1		1	
1/4	2,088.84	1/4	1,701.65	1/4	1,314.47	1/4	927.29	1/4	540.83	1/4	153.66	1/4		1/4		1/4		1/4	
1/2	2,080.77	1/2	1,693.59	1/2	1,306.41	1/2	919.22	1/2	532.77	1/2	145.60	1/2		1/2		1/2		1/2	
3/4	2,072.70	3/4	1,685.52	3/4	1,298.34	3/4	911.16	3/4	524.70	3/4	137.53	3/4		3/4		3/4		3/4	
2	2,064.64	2	1,677.46	2	1,290.27	2	903.09	2	516.64	2	129.46	2		2		2		2	
1/4	2,056.57	1/4	1,669.39	1/4	1,282.21	1/4	895.04	1/4	508.57	1/4	121.40	1/4		1/4		1/4		1/4	
1/2	2,048.51	1/2	1,661.32	1/2	1,274.14	1/2	886.98	1/2	500.50	1/2	113.33	1/2		1/2		1/2		1/2	
3/4	2,040.44	3/4	1,653.26	3/4	1,266.07	3/4	878.93	3/4	492.44	3/4	105.26	3/4		3/4		3/4		3/4	
3	2,032.37	3	1,645.19	3	1,258.01	3	870.87	3	484.37	3	97.20	3		3		3		3	
1/4	2,024.31	1/4	1,637.12	1/4	1,249.94	1/4	862.83	1/4	476.31	1/4	89.13	1/4		1/4		1/4		1/4	
1/2	2,016.24	1/2	1,629.06	1/2	1,241.88	1/2	854.78	1/2	468.24	1/2	81.07	1/2		1/2		1/2		1/2	
3/4	2,008.17	3/4	1,620.99	3/4	1,233.81	3/4	846.74	3/4	460.17	3/4	73.00	3/4		3/4		3/4		3/4	
4	2,000.11	4	1,612.93	4	1,225.74	4	838.70	4	452.11	4	64.93	4		4		4		4	
1/4	1,992.04	1/4	1,604.86	1/4	1,217.68	1/4	830.65	1/4	444.04	1/4	57.54	1/4		1/4		1/4		1/4	
1/2	1,983.98	1/2	1,596.79	1/2	1,209.61	1/2	822.61	1/2	435.98	1/2	50.15	1/2		1/2		1/2		1/2	
3/4	1,975.91	3/4	1,588.73	3/4	1,201.54	3/4	814.56	3/4	427.91	3/4	42.75	3/4		3/4		3/4		3/4	
5	1,967.84	5	1,580.66	5	1,193.48	5	806.52	5	419.84	5	35.36	5		5		5		5	
1/4	1,959.78	1/4	1,572.59	1/4	1,185.41	1/4	798.48	1/4	411.78	1/4	29.98	1/4		1/4		1/4		1/4	
1/2	1,951.71	1/2	1,564.53	1/2	1,177.35	1/2	790.43	1/2	403.71	1/2	24.60	1/2		1/2		1/2		1/2	
3/4	1,943.64	3/4	1,556.46	3/4	1,169.28	3/4	782.39	3/4	395.64	3/4	19.23	3/4		3/4		3/4		3/4	
6	1,935.58	6	1,548.39	6	1,161.21	6	774.35	6	387.58	6	13.85	6		6		6		6	
1/4	1,927.51	1/4	1,540.33	1/4	1,153.15	1/4	766.30	1/4	379.51	1/4		1/4		1/4		1/4		1/4	
1/2	1,919.44	1/2	1,532.26	1/2	1,145.08	1/2	758.26	1/2	371.45	1/2		1/2		1/2		1/2		1/2	
3/4	1,911.38	3/4	1,524.20	3/4	1,137.01	3/4	750.22	3/4	363.38	3/4		3/4		3/4		3/4		3/4	
7	1,903.31	7	1,516.13	7	1,128.95	7	742.17	7	355.31	7		7		7		7		7	
1/4	1,895.25	1/4	1,508.06	1/4	1,120.88	1/4	734.13	1/4	347.25	1/4		1/4		1/4		1/4		1/4	
1/2	1,887.18	1/2	1,500.00	1/2	1,112.81	1/2	726.08	1/2	339.18	1/2		1/2		1/2		1/2		1/2	
3/4	1,879.11	3/4	1,491.93	3/4	1,104.75	3/4	718.04	3/4	331.12	3/4		3/4		3/4		3/4		3/4	
8	1,871.05	8	1,483.86	8	1,096.68	8	710.00	8	323.05	8		8		8		8		8	
1/4	1,862.98	1/4	1,475.80	1/4	1,088.62	1/4	701.95	1/4	314.98	1/4		1/4		1/4		1/4		1/4	
1/2	1,854.91	1/2	1,467.73	1/2	1,080.55	1/2	693.91	1/2	306.92	1/2		1/2		1/2		1/2		1/2	
3/4	1,846.85	3/4	1,459.67	3/4	1,072.48	3/4	685.87	3/4	298.85	3/4		3/4		3/4		3/4		3/4	
9	1,838.78	9	1,451.60	9	1,064.42	9	677.82	9	290.79	9		9		9		9		9	
1/4	1,830.72	1/4	1,443.53	1/4	1,056.35	1/4	669.78	1/4	282.72	1/4		1/4		1/4		1/4		1/4	
1/2	1,822.65	1/2	1,435.47	1/2	1,048.28	1/2	661.73	1/2	274.65	1/2		1/2		1/2		1/2		1/2	
3/4	1,814.58	3/4	1,427.40	3/4	1,040.22	3/4	653.69	3/4	266.59	3/4		3/4		3/4		3/4		3/4	
10	1,806.52	10	1,419.33	10	1,032.15	10	645.65	10	258.52	10		10		10		10		10	
1/4	1,798.45	1/4	1,411.27	1/4	1,024.09	1/4	637.59	1/4	250.45	1/4		1/4		1/4		1/4		1/4	
1/2	1,790.38	1/2	1,403.20	1/2	1,016.02	1/2	629.54	1/2	242.39	1/2		1/2		1/2		1/2		1/2	
3/4	1,782.32	3/4	1,395.14	3/4	1,007.95	3/4	621.48	3/4	234.32	3/4		3/4		3/4		3/4		3/4	
11	1,774.25	11	1,387.07	11	999.89	11	613.43	11	226.26	11		11		11		11		11	
1/4	1,766.18	1/4	1,379.00	1/4	991.82	1/4	605.36	1/4	218.19	1/4		1/4		1/4		1/4		1/4	
1/2	1,758.12	1/2	1,370.94	1/2	983.75	1/2	597.30	1/2	210.12	1/2		1/2		1/2		1/2		1/2	
3/4	1,750.05	3/4	1,362.87	3/4	975.69	3/4	589.23	3/4	202.06	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/07/2020 JS
CALCULATED: 12/07/2020 CL
PRINTED: 12/07/2020 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "TMTB 104"

2 STBD ULLAGE TABLE

HERMETIC GAUGE HEIGHT 15'-06"

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	5,539.14	0	5,188.19	0	4,825.85	0	4,444.69	0	4,056.93	0	3,669.16	0	3,281.40	0	2,893.64	0	2,505.87
1/4		1/4	5,532.81	1/4	5,180.82	1/4	4,818.07	1/4	4,436.61	1/4	4,048.85	1/4	3,661.09	1/4	3,273.32	1/4	2,885.56	1/4	2,497.79
1/2		1/2	5,526.48	1/2	5,173.45	1/2	4,810.30	1/2	4,428.53	1/2	4,040.77	1/2	3,653.01	1/2	3,265.24	1/2	2,877.48	1/2	2,489.70
3/4		3/4	5,520.15	3/4	5,166.08	3/4	4,802.52	3/4	4,420.46	3/4	4,032.69	3/4	3,644.93	3/4	3,257.17	3/4	2,869.40	3/4	2,481.62
1		1	5,513.82	1	5,158.71	1	4,794.74	1	4,412.38	1	4,024.61	1	3,636.85	1	3,249.09	1	2,861.32	1	2,473.54
1/4		1/4	5,506.28	1/4	5,151.31	1/4	4,786.94	1/4	4,404.30	1/4	4,016.54	1/4	3,628.77	1/4	3,241.01	1/4	2,853.25	1/4	2,465.46
1/2		1/2	5,498.74	1/2	5,143.91	1/2	4,779.13	1/2	4,396.22	1/2	4,008.46	1/2	3,620.69	1/2	3,232.93	1/2	2,845.17	1/2	2,457.38
3/4		3/4	5,491.20	3/4	5,136.51	3/4	4,771.32	3/4	4,388.14	3/4	4,000.38	3/4	3,612.62	3/4	3,224.85	3/4	2,837.09	3/4	2,449.30
2		2	5,483.66	2	5,129.11	2	4,763.52	2	4,380.06	2	3,992.30	2	3,604.54	2	3,216.77	2	2,829.01	2	2,441.22
1/4		1/4	5,475.71	1/4	5,121.68	1/4	4,755.68	1/4	4,371.99	1/4	3,984.22	1/4	3,596.46	1/4	3,208.70	1/4	2,820.93	1/4	2,433.14
1/2		1/2	5,467.77	1/2	5,114.26	1/2	4,747.84	1/2	4,363.91	1/2	3,976.14	1/2	3,588.38	1/2	3,200.62	1/2	2,812.85	1/2	2,425.06
3/4		3/4	5,459.82	3/4	5,106.83	3/4	4,740.01	3/4	4,355.83	3/4	3,968.07	3/4	3,580.30	3/4	3,192.54	3/4	2,804.78	3/4	2,416.98
3		3	5,451.88	3	5,099.40	3	4,732.17	3	4,347.75	3	3,959.99	3	3,572.22	3	3,184.46	3	2,796.70	3	2,408.90
1/4		1/4	5,443.94	1/4	5,091.93	1/4	4,724.30	1/4	4,339.67	1/4	3,951.91	1/4	3,564.15	1/4	3,176.38	1/4	2,788.62	1/4	2,400.82
1/2		1/2	5,435.99	1/2	5,084.47	1/2	4,716.43	1/2	4,331.59	1/2	3,943.83	1/2	3,556.07	1/2	3,168.30	1/2	2,780.54	1/2	2,392.74
3/4		3/4	5,428.05	3/4	5,077.01	3/4	4,708.57	3/4	4,323.52	3/4	3,935.75	3/4	3,547.99	3/4	3,160.23	3/4	2,772.46	3/4	2,384.66
4		4	5,420.11	4	5,069.55	4	4,700.70	4	4,315.44	4	3,927.67	4	3,539.91	4	3,152.15	4	2,764.38	4	2,376.57
1/4		1/4	5,412.61	1/4	5,062.06	1/4	4,692.80	1/4	4,307.36	1/4	3,919.60	1/4	3,531.83	1/4	3,144.07	1/4	2,756.31	1/4	2,368.49
1/2		1/2	5,405.12	1/2	5,054.57	1/2	4,684.90	1/2	4,299.28	1/2	3,911.52	1/2	3,523.75	1/2	3,135.99	1/2	2,748.23	1/2	2,360.41
3/4		3/4	5,397.62	3/4	5,047.08	3/4	4,677.00	3/4	4,291.20	3/4	3,903.44	3/4	3,515.68	3/4	3,127.91	3/4	2,740.15	3/4	2,352.33
5		5	5,390.13	5	5,039.59	5	4,669.10	5	4,283.12	5	3,895.36	5	3,507.60	5	3,119.83	5	2,732.07	5	2,344.25
1/4		1/4	5,383.07	1/4	5,032.07	1/4	4,661.17	1/4	4,275.04	1/4	3,887.28	1/4	3,499.52	1/4	3,111.76	1/4	2,723.99	1/4	2,336.17
1/2		1/2	5,376.01	1/2	5,024.54	1/2	4,653.25	1/2	4,266.97	1/2	3,879.20	1/2	3,491.44	1/2	3,103.68	1/2	2,715.91	1/2	2,328.09
3/4		3/4	5,368.95	3/4	5,017.02	3/4	4,645.32	3/4	4,258.89	3/4	3,871.12	3/4	3,483.36	3/4	3,095.60	3/4	2,707.84	3/4	2,320.01
6		6	5,361.89	6	5,009.50	6	4,637.39	6	4,250.81	6	3,863.05	6	3,475.28	6	3,087.52	6	2,699.76	6	2,311.93
1/4		1/4	5,354.80	1/4	5,001.95	1/4	4,629.43	1/4	4,242.73	1/4	3,854.97	1/4	3,467.20	1/4	3,079.44	1/4	2,691.68	1/4	2,303.85
1/2		1/2	5,347.71	1/2	4,994.40	1/2	4,621.47	1/2	4,234.65	1/2	3,846.89	1/2	3,459.13	1/2	3,071.36	1/2	2,683.60	1/2	2,295.77
3/4		3/4	5,340.62	3/4	4,986.84	3/4	4,613.51	3/4	4,226.57	3/4	3,838.81	3/4	3,451.05	3/4	3,063.28	3/4	2,675.52	3/4	2,287.69
7		7	5,333.53	7	4,979.29	7	4,605.55	7	4,218.50	7	3,830.73	7	3,442.97	7	3,055.21	7	2,667.44	7	2,279.61
1/4		1/4	5,326.37	1/4	4,971.71	1/4	4,597.56	1/4	4,210.42	1/4	3,822.65	1/4	3,434.89	1/4	3,047.13	1/4	2,659.36	1/4	2,271.53
1/2		1/2	5,319.20	1/2	4,964.12	1/2	4,589.57	1/2	4,202.34	1/2	3,814.58	1/2	3,426.81	1/2	3,039.05	1/2	2,651.29	1/2	2,263.45
3/4		3/4	5,312.03	3/4	4,956.54	3/4	4,581.58	3/4	4,194.26	3/4	3,806.50	3/4	3,418.73	3/4	3,030.97	3/4	2,643.21	3/4	2,255.36
8		8	5,304.86	8	4,948.96	8	4,573.59	8	4,186.18	8	3,798.42	8	3,410.66	8	3,022.89	8	2,635.13	8	2,247.28
1/4		1/4	5,297.61	1/4	4,941.32	1/4	4,565.57	1/4	4,178.10	1/4	3,790.34	1/4	3,402.58	1/4	3,014.81	1/4	2,627.05	1/4	2,239.20
1/2		1/2	5,290.37	1/2	4,933.69	1/2	4,557.54	1/2	4,170.03	1/2	3,782.26	1/2	3,394.50	1/2	3,006.74	1/2	2,618.97	1/2	2,231.12
3/4		3/4	5,283.12	3/4	4,926.06	3/4	4,549.52	3/4	4,161.95	3/4	3,774.18	3/4	3,386.42	3/4	2,998.66	3/4	2,610.89	3/4	2,223.04
9		9	5,275.88	9	4,918.42	9	4,541.50	9	4,153.87	9	3,766.11	9	3,378.34	9	2,990.58	9	2,602.82	9	2,214.96
1/4		1/4	5,268.60	1/4	4,910.74	1/4	4,533.45	1/4	4,145.79	1/4	3,758.03	1/4	3,370.26	1/4	2,982.50	1/4	2,594.74	1/4	2,206.88
1/2		1/2	5,261.32	1/2	4,903.06	1/2	4,525.40	1/2	4,137.71	1/2	3,749.95	1/2	3,362.19	1/2	2,974.42	1/2	2,586.66	1/2	2,198.80
3/4		3/4	5,254.05	3/4	4,895.37	3/4	4,517.35	3/4	4,129.63	3/4	3,741.87	3/4	3,354.11	3/4	2,966.34	3/4	2,578.58	3/4	2,190.72
10		10	5,246.77	10	4,887.69	10	4,509.30	10	4,121.56	10	3,733.79	10	3,346.03	10	2,958.27	10	2,570.50	10	2,182.64
1/4		1/4	5,239.46	1/4	4,879.97	1/4	4,501.22	1/4	4,113.48	1/4	3,725.71	1/4	3,337.95	1/4	2,950.19	1/4	2,562.42	1/4	2,174.56
1/2		1/2	5,232.15	1/2	4,872.26	1/2	4,493.15	1/2	4,105.40	1/2	3,717.64	1/2	3,329.87	1/2	2,942.11	1/2	2,554.35	1/2	2,166.48
3/4		3/4	5,224.85	3/4	4,864.54	3/4	4,485.08	3/4	4,097.32	3/4	3,709.56	3/4	3,321.79	3/4	2,934.03	3/4	2,546.27	3/4	2,158.40
11		11	5,217.54	11	4,856.83	11	4,477.00	11	4,089.24	11	3,701.48	11	3,313.72	11	2,925.95	11	2,538.19	11	2,150.32
1/4		1/4	5,210.20	1/4	4,849.08	1/4	4,468.93	1/4	4,081.16	1/4	3,693.40	1/4	3,305.64	1/4	2,917.87	1/4	2,530.11	1/4	2,142.23
1/2		1/2	5,202.86	1/2	4,841.34	1/2	4,460.85	1/2	4,073.08	1/2	3,685.32	1/2	3,297.56	1/2	2,909.80	1/2	2,522.03	1/2	2,134.15
3/4		3/4	5,195.52	3/4	4,833.59	3/4	4,452.77	3/4	4,065.01	3/4	3,677.24	3/4	3,289.48	3/4	2,901.72	3/4	2,513.95	3/4	2,126.07

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 TO TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 51'-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 "TMTB 104"

2 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 15'-06"

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	2,117.99	0	1,730.12	0	1,342.25	0	956.24	0	582.20	0	194.34	0		0		0		0	
1/4	2,109.91	1/4	1,722.04	1/4	1,334.16	1/4	948.48	1/4	574.12	1/4	186.26	1/4		1/4		1/4		1/4	
1/2	2,101.83	1/2	1,713.96	1/2	1,326.08	1/2	940.71	1/2	566.04	1/2	178.18	1/2		1/2		1/2		1/2	
3/4	2,093.75	3/4	1,705.88	3/4	1,318.00	3/4	932.94	3/4	557.96	3/4	170.10	3/4		3/4		3/4		3/4	
1	2,085.67	1	1,697.80	1	1,309.92	1	925.17	1	549.88	1	162.02	1		1		1		1	
1/4	2,077.59	1/4	1,689.72	1/4	1,301.84	1/4	917.40	1/4	541.80	1/4	153.94	1/4		1/4		1/4		1/4	
1/2	2,069.51	1/2	1,681.63	1/2	1,293.76	1/2	909.63	1/2	533.72	1/2	145.86	1/2		1/2		1/2		1/2	
3/4	2,061.43	3/4	1,673.55	3/4	1,285.68	3/4	901.86	3/4	525.64	3/4	137.78	3/4		3/4		3/4		3/4	
2	2,053.35	2	1,665.47	2	1,277.60	2	894.10	2	517.56	2	129.70	2		2		2		2	
1/4	2,045.27	1/4	1,657.39	1/4	1,269.52	1/4	886.34	1/4	509.48	1/4	121.62	1/4		1/4		1/4		1/4	
1/2	2,037.19	1/2	1,649.31	1/2	1,261.44	1/2	878.58	1/2	501.40	1/2	113.54	1/2		1/2		1/2		1/2	
3/4	2,029.10	3/4	1,641.23	3/4	1,253.36	3/4	870.82	3/4	493.32	3/4	105.46	3/4		3/4		3/4		3/4	
3	2,021.02	3	1,633.15	3	1,245.28	3	863.07	3	485.24	3	97.38	3		3		3		3	
1/4	2,012.94	1/4	1,625.07	1/4	1,237.20	1/4	855.32	1/4	477.15	1/4	89.30	1/4		1/4		1/4		1/4	
1/2	2,004.86	1/2	1,616.99	1/2	1,229.12	1/2	847.57	1/2	469.07	1/2	81.22	1/2		1/2		1/2		1/2	
3/4	1,996.78	3/4	1,608.91	3/4	1,221.03	3/4	839.83	3/4	460.99	3/4	73.13	3/4		3/4		3/4		3/4	
4	1,988.70	4	1,600.83	4	1,212.95	4	832.08	4	452.91	4	65.05	4		4		4		4	
1/4	1,980.62	1/4	1,592.75	1/4	1,204.87	1/4	824.34	1/4	444.83	1/4	57.65	1/4		1/4		1/4		1/4	
1/2	1,972.54	1/2	1,584.67	1/2	1,196.79	1/2	816.59	1/2	436.75	1/2	50.24	1/2		1/2		1/2		1/2	
3/4	1,964.46	3/4	1,576.59	3/4	1,188.71	3/4	808.84	3/4	428.67	3/4	42.83	3/4		3/4		3/4		3/4	
5	1,956.38	5	1,568.50	5	1,180.63	5	801.10	5	420.59	5	35.43	5		5		5		5	
1/4	1,948.30	1/4	1,560.42	1/4	1,172.55	1/4	793.35	1/4	412.51	1/4	30.04	1/4		1/4		1/4		1/4	
1/2	1,940.22	1/2	1,552.34	1/2	1,164.47	1/2	785.61	1/2	404.43	1/2	24.65	1/2		1/2		1/2		1/2	
3/4	1,932.14	3/4	1,544.26	3/4	1,156.39	3/4	777.86	3/4	396.35	3/4	19.27	3/4		3/4		3/4		3/4	
6	1,924.06	6	1,536.18	6	1,148.31	6	770.11	6	388.27	6	13.88	6		6		6		6	
1/4	1,915.97	1/4	1,528.10	1/4	1,140.23	1/4	762.37	1/4	380.19	1/4		1/4		1/4		1/4		1/4	
1/2	1,907.89	1/2	1,520.02	1/2	1,132.15	1/2	754.62	1/2	372.11	1/2		1/2		1/2		1/2		1/2	
3/4	1,899.81	3/4	1,511.94	3/4	1,124.07	3/4	746.88	3/4	364.03	3/4		3/4		3/4		3/4		3/4	
7	1,891.73	7	1,503.86	7	1,115.99	7	739.13	7	355.95	7		7		7		7		7	
1/4	1,883.65	1/4	1,495.78	1/4	1,107.90	1/4	731.38	1/4	347.87	1/4		1/4		1/4		1/4		1/4	
1/2	1,875.57	1/2	1,487.70	1/2	1,099.82	1/2	723.64	1/2	339.79	1/2		1/2		1/2		1/2		1/2	
3/4	1,867.49	3/4	1,479.62	3/4	1,091.74	3/4	715.89	3/4	331.71	3/4		3/4		3/4		3/4		3/4	
8	1,859.41	8	1,471.54	8	1,083.66	8	708.15	8	323.63	8		8		8		8		8	
1/4	1,851.33	1/4	1,463.46	1/4	1,075.58	1/4	700.40	1/4	315.55	1/4		1/4		1/4		1/4		1/4	
1/2	1,843.25	1/2	1,455.38	1/2	1,067.50	1/2	692.65	1/2	307.47	1/2		1/2		1/2		1/2		1/2	
3/4	1,835.17	3/4	1,447.29	3/4	1,059.42	3/4	684.91	3/4	299.39	3/4		3/4		3/4		3/4		3/4	
9	1,827.09	9	1,439.21	9	1,051.34	9	677.16	9	291.31	9		9		9		9		9	
1/4	1,819.01	1/4	1,431.13	1/4	1,043.26	1/4	669.42	1/4	283.23	1/4		1/4		1/4		1/4		1/4	
1/2	1,810.93	1/2	1,423.05	1/2	1,035.18	1/2	661.67	1/2	275.14	1/2		1/2		1/2		1/2		1/2	
3/4	1,802.85	3/4	1,414.97	3/4	1,027.10	3/4	653.92	3/4	267.06	3/4		3/4		3/4		3/4		3/4	
10	1,794.76	10	1,406.89	10	1,019.02	10	646.18	10	258.98	10		10		10		10		10	
1/4	1,786.68	1/4	1,398.81	1/4	1,011.09	1/4	638.26	1/4	250.90	1/4		1/4		1/4		1/4		1/4	
1/2	1,778.60	1/2	1,390.73	1/2	1,003.17	1/2	630.35	1/2	242.82	1/2		1/2		1/2		1/2		1/2	
3/4	1,770.52	3/4	1,382.65	3/4	995.24	3/4	622.44	3/4	234.74	3/4		3/4		3/4		3/4		3/4	
11	1,762.44	11	1,374.57	11	987.32	11	614.52	11	226.66	11		11		11		11		11	
1/4	1,754.36	1/4	1,366.49	1/4	979.55	1/4	606.44	1/4	218.58	1/4		1/4		1/4		1/4		1/4	
1/2	1,746.28	1/2	1,358.41	1/2	971.78	1/2	598.36	1/2	210.50	1/2		1/2		1/2		1/2		1/2	
3/4	1,738.20	3/4	1,350.33	3/4	964.01	3/4	590.28	3/4	202.42	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/07/2020 JS
CALCULATED: 12/07/2020 CL
PRINTED: 12/07/2020 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
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BARGE "TMTB 104"

3 PORT ULLAGE TABLE

HERMETIC GAUGE HEIGHT 15'-06 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	4,531.47	0	4,283.62	0	4,021.42	0	3,754.43	0	3,438.15	0	3,077.19	0	2,716.34	0	2,355.49
1/4		1/4	4,764.39	1/4	4,526.45	1/4	4,278.29	1/4	4,015.86	1/4	3,748.87	1/4	3,430.62	1/4	3,069.67	1/4	2,708.82	1/4	2,347.97
1/2		1/2	4,760.46	1/2	4,521.42	1/2	4,272.94	1/2	4,010.29	1/2	3,743.30	1/2	3,423.09	1/2	3,062.16	1/2	2,701.31	1/2	2,340.46
3/4		3/4	4,756.53	3/4	4,516.38	3/4	4,267.58	3/4	4,004.73	3/4	3,737.74	3/4	3,415.55	3/4	3,054.64	3/4	2,693.79	3/4	2,332.94
1		1	4,752.60	1	4,511.35	1	4,262.23	1	3,999.17	1	3,732.18	1	3,408.02	1	3,047.12	1	2,686.27	1	2,325.42
1/4		1/4	4,748.68	1/4	4,506.31	1/4	4,256.88	1/4	3,993.61	1/4	3,726.62	1/4	3,400.48	1/4	3,039.60	1/4	2,678.75	1/4	2,317.90
1/2		1/2	4,743.62	1/2	4,501.26	1/2	4,251.50	1/2	3,988.05	1/2	3,721.05	1/2	3,392.96	1/2	3,032.08	1/2	2,671.23	1/2	2,310.39
3/4		3/4	4,738.56	3/4	4,496.20	3/4	4,246.13	3/4	3,982.48	3/4	3,715.49	3/4	3,385.43	3/4	3,024.57	3/4	2,663.72	3/4	2,302.87
2		2	4,733.50	2	4,491.15	2	4,240.75	2	3,976.92	2	3,709.93	2	3,377.91	2	3,017.05	2	2,656.20	2	2,295.35
1/4		1/4	4,728.44	1/4	4,486.09	1/4	4,235.38	1/4	3,971.36	1/4	3,704.37	1/4	3,370.38	1/4	3,009.53	1/4	2,648.68	1/4	2,287.83
1/2		1/2	4,723.00	1/2	4,481.01	1/2	4,229.98	1/2	3,965.80	1/2	3,698.81	1/2	3,362.86	1/2	3,002.01	1/2	2,641.16	1/2	2,280.31
3/4		3/4	4,717.57	3/4	4,475.94	3/4	4,224.58	3/4	3,960.23	3/4	3,693.24	3/4	3,355.35	3/4	2,994.50	3/4	2,633.65	3/4	2,272.80
3		3	4,712.13	3	4,470.86	3	4,219.19	3	3,954.67	3	3,687.68	3	3,347.83	3	2,986.98	3	2,626.13	3	2,265.28
1/4		1/4	4,706.70	1/4	4,465.78	1/4	4,213.79	1/4	3,949.11	1/4	3,682.12	1/4	3,340.31	1/4	2,979.46	1/4	2,618.61	1/4	2,257.76
1/2		1/2	4,701.26	1/2	4,460.68	1/2	4,208.38	1/2	3,943.55	1/2	3,676.56	1/2	3,332.79	1/2	2,971.94	1/2	2,611.09	1/2	2,250.24
3/4		3/4	4,695.82	3/4	4,455.58	3/4	4,202.96	3/4	3,937.98	3/4	3,670.99	3/4	3,325.27	3/4	2,964.43	3/4	2,603.58	3/4	2,242.71
4		4	4,690.39	4	4,450.49	4	4,197.54	4	3,932.42	4	3,665.43	4	3,317.76	4	2,956.91	4	2,596.06	4	2,235.19
1/4		1/4	4,684.95	1/4	4,445.39	1/4	4,192.12	1/4	3,926.86	1/4	3,659.87	1/4	3,310.24	1/4	2,949.39	1/4	2,588.54	1/4	2,227.67
1/2		1/2	4,679.83	1/2	4,440.27	1/2	4,186.69	1/2	3,921.30	1/2	3,654.31	1/2	3,302.72	1/2	2,941.87	1/2	2,581.02	1/2	2,220.14
3/4		3/4	4,674.70	3/4	4,435.15	3/4	4,181.25	3/4	3,915.74	3/4	3,648.74	3/4	3,295.20	3/4	2,934.35	3/4	2,573.50	3/4	2,212.62
5		5	4,669.57	5	4,430.03	5	4,175.81	5	3,910.17	5	3,643.18	5	3,287.69	5	2,926.84	5	2,565.99	5	2,205.09
1/4		1/4	4,664.45	1/4	4,424.91	1/4	4,170.37	1/4	3,904.61	1/4	3,637.62	1/4	3,280.17	1/4	2,919.32	1/4	2,558.47	1/4	2,197.57
1/2		1/2	4,659.62	1/2	4,419.77	1/2	4,164.91	1/2	3,899.05	1/2	3,632.06	1/2	3,272.65	1/2	2,911.80	1/2	2,550.95	1/2	2,190.04
3/4		3/4	4,654.80	3/4	4,414.63	3/4	4,159.45	3/4	3,893.49	3/4	3,626.50	3/4	3,265.13	3/4	2,904.28	3/4	2,543.43	3/4	2,182.52
6		6	4,649.97	6	4,409.49	6	4,153.99	6	3,887.92	6	3,618.96	6	3,257.62	6	2,896.77	6	2,535.92	6	2,174.99
1/4		1/4	4,645.15	1/4	4,404.35	1/4	4,148.53	1/4	3,882.36	1/4	3,611.43	1/4	3,250.10	1/4	2,889.25	1/4	2,528.40	1/4	2,167.47
1/2		1/2	4,640.30	1/2	4,399.19	1/2	4,143.05	1/2	3,876.80	1/2	3,603.89	1/2	3,242.58	1/2	2,881.73	1/2	2,520.88	1/2	2,159.94
3/4		3/4	4,635.45	3/4	4,394.03	3/4	4,137.57	3/4	3,871.24	3/4	3,596.36	3/4	3,235.06	3/4	2,874.21	3/4	2,513.36	3/4	2,152.42
7		7	4,630.60	7	4,388.87	7	4,132.09	7	3,865.67	7	3,588.83	7	3,227.54	7	2,866.69	7	2,505.85	7	2,144.89
1/4		1/4	4,625.76	1/4	4,383.70	1/4	4,126.61	1/4	3,860.11	1/4	3,581.29	1/4	3,220.03	1/4	2,859.18	1/4	2,498.33	1/4	2,137.37
1/2		1/2	4,620.86	1/2	4,378.52	1/2	4,121.11	1/2	3,854.55	1/2	3,573.76	1/2	3,212.51	1/2	2,851.66	1/2	2,490.81	1/2	2,129.84
3/4		3/4	4,615.96	3/4	4,373.34	3/4	4,115.61	3/4	3,848.99	3/4	3,566.23	3/4	3,204.99	3/4	2,844.14	3/4	2,483.29	3/4	2,122.32
8		8	4,611.06	8	4,368.16	8	4,110.11	8	3,843.43	8	3,558.69	8	3,197.47	8	2,836.62	8	2,475.77	8	2,114.79
1/4		1/4	4,606.16	1/4	4,362.97	1/4	4,104.61	1/4	3,837.86	1/4	3,551.16	1/4	3,189.96	1/4	2,829.11	1/4	2,468.26	1/4	2,107.27
1/2		1/2	4,601.21	1/2	4,357.74	1/2	4,099.08	1/2	3,832.30	1/2	3,543.63	1/2	3,182.44	1/2	2,821.59	1/2	2,460.74	1/2	2,099.75
3/4		3/4	4,596.26	3/4	4,352.50	3/4	4,093.56	3/4	3,826.74	3/4	3,536.09	3/4	3,174.92	3/4	2,814.07	3/4	2,453.22	3/4	2,092.22
9		9	4,591.31	9	4,347.26	9	4,088.04	9	3,821.18	9	3,528.56	9	3,167.40	9	2,806.55	9	2,445.70	9	2,084.70
1/4		1/4	4,586.36	1/4	4,342.03	1/4	4,082.52	1/4	3,815.61	1/4	3,521.02	1/4	3,159.89	1/4	2,799.04	1/4	2,438.19	1/4	2,077.17
1/2		1/2	4,581.39	1/2	4,336.74	1/2	4,076.97	1/2	3,810.05	1/2	3,513.49	1/2	3,152.37	1/2	2,791.52	1/2	2,430.67	1/2	2,069.65
3/4		3/4	4,576.42	3/4	4,331.45	3/4	4,071.43	3/4	3,804.49	3/4	3,505.96	3/4	3,144.85	3/4	2,784.00	3/4	2,423.15	3/4	2,062.12
10		10	4,571.45	10	4,326.16	10	4,065.88	10	3,798.93	10	3,498.42	10	3,137.33	10	2,776.48	10	2,415.63	10	2,054.60
1/4		1/4	4,566.48	1/4	4,320.87	1/4	4,060.34	1/4	3,793.36	1/4	3,490.89	1/4	3,129.81	1/4	2,768.96	1/4	2,408.12	1/4	2,047.07
1/2		1/2	4,561.48	1/2	4,315.55	1/2	4,054.78	1/2	3,787.80	1/2	3,483.36	1/2	3,122.30	1/2	2,761.45	1/2	2,400.60	1/2	2,039.55
3/4		3/4	4,556.49	3/4	4,310.24	3/4	4,049.22	3/4	3,782.24	3/4	3,475.82	3/4	3,114.78	3/4	2,753.93	3/4	2,393.08	3/4	2,032.02
11		11	4,551.50	11	4,304.93	11	4,043.66	11	3,776.68	11	3,468.29	11	3,107.26	11	2,746.41	11	2,385.56	11	2,024.50
1/4		1/4	4,546.51	1/4	4,299.62	1/4	4,038.11	1/4	3,771.12	1/4	3,460.75	1/4	3,099.74	1/4	2,738.89	1/4	2,378.04	1/4	2,016.97
1/2		1/2	4,541.49	1/2	4,294.29	1/2	4,032.54	1/2	3,765.55	1/2	3,453.22	1/2	3,092.23	1/2	2,731.38	1/2	2,370.53	1/2	2,009.45
3/4		3/4	4,536.48	3/4	4,288.96	3/4	4,026.98	3/4	3,759.99	3/4	3,445.69	3/4	3,084.71	3/4	2,723.86	3/4	2,363.01	3/4	2,001.92

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 TO TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 45'-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 "TMTB 104"

3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06 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	1,994.40	0	1,633.20	0	1,271.94	0	911.23	0	550.36	0	188.75	0		0		0		0	
1/4	1,986.87	1/4	1,625.68	1/4	1,264.41	1/4	903.71	1/4	542.82	1/4	181.21	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1,979.35	1/2	1,618.15	1/2	1,256.88	1/2	896.18	1/2	535.29	1/2	173.68	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	1,971.82	3/4	1,610.63	3/4	1,249.34	3/4	888.65	3/4	527.76	3/4	166.15	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
1	1,964.30	1	1,603.10	1	1,241.81	1	881.11	1	520.22	1	158.61	1		1		1		1	
1/4	1,956.77	1/4	1,595.58	1/4	1,234.28	1/4	873.58	1/4	512.69	1/4	151.08	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1,949.25	1/2	1,588.05	1/2	1,226.75	1/2	866.05	1/2	505.15	1/2	143.55	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	1,941.72	3/4	1,580.53	3/4	1,219.21	3/4	858.51	3/4	497.62	3/4	136.01	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
2	1,934.20	2	1,573.00	2	1,211.68	2	850.98	2	490.09	2	128.48	2		2		2		2	
1/4	1,926.67	1/4	1,565.48	1/4	1,204.15	1/4	843.44	1/4	482.55	1/4	120.95	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1,919.15	1/2	1,557.95	1/2	1,196.62	1/2	835.92	1/2	475.02	1/2	113.41	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	1,911.62	3/4	1,550.43	3/4	1,189.09	3/4	828.40	3/4	467.49	3/4	105.88	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
3	1,904.10	3	1,542.90	3	1,181.55	3	820.88	3	459.95	3	98.35	3		3		3		3	
1/4	1,896.57	1/4	1,535.38	1/4	1,174.02	1/4	813.36	1/4	452.42	1/4	90.81	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1,889.05	1/2	1,527.85	1/2	1,166.50	1/2	805.84	1/2	444.89	1/2	83.28	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	1,881.52	3/4	1,520.33	3/4	1,158.98	3/4	798.33	3/4	437.35	3/4	75.74	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
4	1,874.00	4	1,512.80	4	1,151.46	4	790.82	4	429.82	4	68.21	4		4		4		4	
1/4	1,866.47	1/4	1,505.28	1/4	1,143.95	1/4	783.31	1/4	422.29	1/4	60.68	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1,858.95	1/2	1,497.75	1/2	1,136.44	1/2	775.80	1/2	414.75	1/2	53.77	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	1,851.42	3/4	1,490.23	3/4	1,128.94	3/4	768.29	3/4	407.22	3/4	46.87	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
5	1,843.90	5	1,482.70	5	1,121.43	5	760.78	5	399.69	5	39.96	5		5		5		5	
1/4	1,836.37	1/4	1,475.18	1/4	1,113.92	1/4	753.27	1/4	392.15	1/4	33.06	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1,828.85	1/2	1,467.65	1/2	1,106.42	1/2	745.76	1/2	384.62	1/2	28.03	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	1,821.32	3/4	1,460.13	3/4	1,098.91	3/4	738.24	3/4	377.09	3/4	23.01	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
6	1,813.80	6	1,452.60	6	1,091.41	6	730.73	6	369.55	6	17.99	6		6		6		6	
1/4	1,806.27	1/4	1,445.08	1/4	1,083.90	1/4	723.22	1/4	362.02	1/4	12.97	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1,798.75	1/2	1,437.55	1/2	1,076.40	1/2	715.71	1/2	354.48	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	1,791.22	3/4	1,430.03	3/4	1,068.89	3/4	708.20	3/4	346.95	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
7	1,783.70	7	1,422.50	7	1,061.39	7	700.69	7	339.42	7		7		7		7		7	
1/4	1,776.17	1/4	1,414.98	1/4	1,053.88	1/4	693.18	1/4	331.88	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1,768.65	1/2	1,407.45	1/2	1,046.37	1/2	685.67	1/2	323.37	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	1,761.12	3/4	1,399.93	3/4	1,038.87	3/4	678.16	3/4	314.85	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
8	1,753.60	8	1,392.40	8	1,031.36	8	670.64	8	308.30	8		8		8		8		8	
1/4	1,746.07	1/4	1,384.88	1/4	1,023.86	1/4	663.13	1/4	301.75	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1,738.55	1/2	1,377.35	1/2	1,016.35	1/2	655.62	1/2	294.22	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	1,731.03	3/4	1,369.83	3/4	1,008.85	3/4	648.11	3/4	286.68	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
9	1,723.50	9	1,362.30	9	1,001.34	9	640.60	9	279.15	9		9		9		9		9	
1/4	1,715.98	1/4	1,354.78	1/4	993.84	1/4	633.09	1/4	271.62	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1,708.45	1/2	1,347.25	1/2	986.33	1/2	625.58	1/2	264.08	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	1,700.93	3/4	1,339.72	3/4	978.83	3/4	618.07	3/4	256.55	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
10	1,693.40	10	1,332.19	10	971.32	10	610.56	10	249.02	10		10		10		10		10	
1/4	1,685.88	1/4	1,324.66	1/4	963.81	1/4	603.04	1/4	241.48	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1,678.35	1/2	1,317.13	1/2	956.31	1/2	595.52	1/2	233.95	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	1,670.83	3/4	1,309.60	3/4	948.80	3/4	588.00	3/4	226.41	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
11	1,663.30	11	1,302.07	11	941.30	11	580.48	11	218.88	11		11		11		11		11	
1/4	1,655.78	1/4	1,294.54	1/4	933.79	1/4	572.96	1/4	211.35	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1,648.25	1/2	1,287.00	1/2	926.27	1/2	565.42	1/2	203.81	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	1,640.73	3/4	1,279.47	3/4	918.75	3/4	557.89	3/4	196.28	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/07/2020 JS
CALCULATED: 12/07/2020 CL
PRINTED: 12/07/2020 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "TMTB 104"

3 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 15'-06 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,515.03	0	4,267.38	0	4,005.32	0	3,738.27	0	3,424.08	0	3,063.58	0	2,703.17	0	2,342.79
1/4		1/4		1/4	4,510.01	1/4	4,262.05	1/4	3,999.76	1/4	3,732.70	1/4	3,416.56	1/4	3,056.08	1/4	2,695.66	1/4	2,335.28
1/2		1/2	4,743.08	1/2	4,505.00	1/2	4,256.71	1/2	3,994.20	1/2	3,727.14	1/2	3,409.04	1/2	3,048.57	1/2	2,688.15	1/2	2,327.77
3/4		3/4	4,739.15	3/4	4,499.96	3/4	4,251.36	3/4	3,988.63	3/4	3,721.57	3/4	3,401.52	3/4	3,041.06	3/4	2,680.64	3/4	2,320.26
1		1	4,735.21	1	4,494.92	1	4,246.00	1	3,983.07	1	3,716.01	1	3,394.01	1	3,033.55	1	2,673.13	1	2,312.74
1/4		1/4	4,731.28	1/4	4,489.88	1/4	4,240.65	1/4	3,977.50	1/4	3,710.45	1/4	3,386.49	1/4	3,026.04	1/4	2,665.63	1/4	2,305.23
1/2		1/2	4,727.35	1/2	4,484.85	1/2	4,235.29	1/2	3,971.94	1/2	3,704.88	1/2	3,378.97	1/2	3,018.53	1/2	2,658.12	1/2	2,297.72
3/4		3/4	4,722.29	3/4	4,479.79	3/4	4,229.91	3/4	3,966.38	3/4	3,699.32	3/4	3,371.46	3/4	3,011.02	3/4	2,650.61	3/4	2,290.21
2		2	4,717.23	2	4,474.73	2	4,224.54	2	3,960.81	2	3,693.76	2	3,363.94	2	3,003.51	2	2,643.11	2	2,282.70
1/4		1/4	4,712.16	1/4	4,469.67	1/4	4,219.16	1/4	3,955.25	1/4	3,688.19	1/4	3,356.43	1/4	2,996.01	1/4	2,635.60	1/4	2,275.18
1/2		1/2	4,707.10	1/2	4,464.61	1/2	4,213.78	1/2	3,949.69	1/2	3,682.63	1/2	3,348.91	1/2	2,988.50	1/2	2,628.09	1/2	2,267.67
3/4		3/4	4,701.66	3/4	4,459.53	3/4	4,208.39	3/4	3,944.12	3/4	3,677.07	3/4	3,341.41	3/4	2,980.99	3/4	2,620.59	3/4	2,260.16
3		3	4,696.23	3	4,454.45	3	4,202.99	3	3,938.56	3	3,671.50	3	3,333.90	3	2,973.48	3	2,613.08	3	2,252.65
1/4		1/4	4,690.79	1/4	4,449.37	1/4	4,197.59	1/4	3,933.00	1/4	3,665.94	1/4	3,326.39	1/4	2,965.97	1/4	2,605.57	1/4	2,245.14
1/2		1/2	4,685.35	1/2	4,444.29	1/2	4,192.19	1/2	3,927.43	1/2	3,660.37	1/2	3,318.88	1/2	2,958.46	1/2	2,598.07	1/2	2,237.62
3/4		3/4	4,679.91	3/4	4,439.19	3/4	4,186.77	3/4	3,921.87	3/4	3,654.81	3/4	3,311.37	3/4	2,950.95	3/4	2,590.56	3/4	2,230.11
4		4	4,674.48	4	4,434.09	4	4,181.35	4	3,916.30	4	3,649.25	4	3,303.86	4	2,943.45	4	2,583.05	4	2,222.59
1/4		1/4	4,669.04	1/4	4,428.99	1/4	4,175.93	1/4	3,910.74	1/4	3,643.68	1/4	3,296.35	1/4	2,935.94	1/4	2,575.55	1/4	2,215.08
1/2		1/2	4,663.60	1/2	4,423.89	1/2	4,170.52	1/2	3,905.18	1/2	3,638.12	1/2	3,288.85	1/2	2,928.43	1/2	2,568.04	1/2	2,207.56
3/4		3/4	4,658.47	3/4	4,418.77	3/4	4,165.08	3/4	3,899.61	3/4	3,632.56	3/4	3,281.34	3/4	2,920.92	3/4	2,560.53	3/4	2,200.08
5		5	4,653.34	5	4,413.64	5	4,159.64	5	3,894.05	5	3,626.99	5	3,273.83	5	2,913.41	5	2,553.03	5	2,192.60
1/4		1/4	4,648.21	1/4	4,408.52	1/4	4,154.20	1/4	3,888.49	1/4	3,621.43	1/4	3,266.32	1/4	2,905.90	1/4	2,545.52	1/4	2,185.12
1/2		1/2	4,643.09	1/2	4,403.40	1/2	4,148.76	1/2	3,882.92	1/2	3,615.86	1/2	3,258.81	1/2	2,898.39	1/2	2,538.01	1/2	2,177.65
3/4		3/4	4,638.26	3/4	4,398.26	3/4	4,143.30	3/4	3,877.36	3/4	3,609.32	3/4	3,251.30	3/4	2,890.88	3/4	2,530.51	3/4	2,170.21
6		6	4,633.43	6	4,393.11	6	4,137.83	6	3,871.79	6	3,602.77	6	3,243.79	6	2,883.38	6	2,523.00	6	2,162.77
1/4		1/4	4,628.60	1/4	4,387.97	1/4	4,132.37	1/4	3,866.23	1/4	3,596.22	1/4	3,236.28	1/4	2,875.87	1/4	2,515.50	1/4	2,155.33
1/2		1/2	4,623.77	1/2	4,382.83	1/2	4,126.91	1/2	3,860.67	1/2	3,589.68	1/2	3,228.78	1/2	2,868.36	1/2	2,507.99	1/2	2,147.89
3/4		3/4	4,618.92	3/4	4,377.66	3/4	4,121.43	3/4	3,855.10	3/4	3,582.15	3/4	3,221.27	3/4	2,860.85	3/4	2,500.48	3/4	2,140.45
7		7	4,614.07	7	4,372.50	7	4,115.95	7	3,849.54	7	3,574.62	7	3,213.76	7	2,853.34	7	2,492.98	7	2,133.02
1/4		1/4	4,609.22	1/4	4,367.34	1/4	4,110.47	1/4	3,843.98	1/4	3,567.09	1/4	3,206.25	1/4	2,845.83	1/4	2,485.47	1/4	2,125.58
1/2		1/2	4,604.37	1/2	4,362.17	1/2	4,104.98	1/2	3,838.41	1/2	3,559.56	1/2	3,198.74	1/2	2,838.32	1/2	2,477.96	1/2	2,118.14
3/4		3/4	4,599.46	3/4	4,356.99	3/4	4,099.48	3/4	3,832.85	3/4	3,552.03	3/4	3,191.23	3/4	2,830.81	3/4	2,470.46	3/4	2,110.70
8		8	4,594.56	8	4,351.80	8	4,093.98	8	3,827.29	8	3,544.50	8	3,183.72	8	2,823.31	8	2,462.95	8	2,103.26
1/4		1/4	4,589.66	1/4	4,346.62	1/4	4,088.47	1/4	3,821.72	1/4	3,536.97	1/4	3,176.21	1/4	2,815.80	1/4	2,455.44	1/4	2,095.82
1/2		1/2	4,584.76	1/2	4,341.43	1/2	4,082.97	1/2	3,816.16	1/2	3,529.44	1/2	3,168.71	1/2	2,808.29	1/2	2,447.94	1/2	2,088.39
3/4		3/4	4,579.80	3/4	4,336.19	3/4	4,077.45	3/4	3,810.59	3/4	3,521.91	3/4	3,161.20	3/4	2,800.78	3/4	2,440.43	3/4	2,080.95
9		9	4,574.85	9	4,330.95	9	4,071.92	9	3,805.03	9	3,514.38	9	3,153.69	9	2,793.27	9	2,432.92	9	2,073.51
1/4		1/4	4,569.90	1/4	4,325.71	1/4	4,066.40	1/4	3,799.47	1/4	3,506.85	1/4	3,146.18	1/4	2,785.76	1/4	2,425.41	1/4	2,066.07
1/2		1/2	4,564.94	1/2	4,320.48	1/2	4,060.87	1/2	3,793.90	1/2	3,499.33	1/2	3,138.67	1/2	2,778.25	1/2	2,417.90	1/2	2,058.63
3/4		3/4	4,559.97	3/4	4,315.18	3/4	4,055.33	3/4	3,788.34	3/4	3,491.80	3/4	3,131.16	3/4	2,770.74	3/4	2,410.39	3/4	2,051.19
10		10	4,555.00	10	4,309.89	10	4,049.78	10	3,782.78	10	3,484.27	10	3,123.65	10	2,763.24	10	2,402.88	10	2,043.76
1/4		1/4	4,550.02	1/4	4,304.60	1/4	4,044.24	1/4	3,777.21	1/4	3,477.74	1/4	3,116.15	1/4	2,755.73	1/4	2,395.37	1/4	2,036.32
1/2		1/2	4,545.05	1/2	4,299.31	1/2	4,038.69	1/2	3,771.65	1/2	3,469.21	1/2	3,108.64	1/2	2,748.22	1/2	2,387.86	1/2	2,028.88
3/4		3/4	4,540.05	3/4	4,293.99	3/4	4,033.13	3/4	3,766.08	3/4	3,461.68	3/4	3,101.13	3/4	2,740.71	3/4	2,380.35	3/4	2,021.44
11		11	4,535.06	11	4,288.68	11	4,027.57	11	3,760.52	11	3,454.16	11	3,093.62	11	2,733.20	11	2,372.84	11	2,014.00
1/4		1/4	4,530.06	1/4	4,283.36	1/4	4,022.01	1/4	3,754.96	1/4	3,446.64	1/4	3,086.11	1/4	2,725.69	1/4	2,365.33	1/4	2,006.57
1/2		1/2	4,525.06	1/2	4,278.05	1/2	4,016.45	1/2	3,749.39	1/2	3,439.11	1/2	3,078.60	1/2	2,718.18	1/2	2,357.82	1/2	1,999.13
3/4		3/4	4,520.05	3/4	4,272.72	3/4	4,010.89	3/4	3,743.83	3/4	3,431.60	3/4	3,071.09	3/4	2,710.68	3/4	2,350.30	3/4	1,991.69

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 TO TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 45'-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 "TMTB 104"

3 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 15'-06 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	1,984.25	0	1,625.03	0	1,264.26	0	904.60	0	557.07	0	196.15	0		0		0		0	
1/4	1,976.81	1/4	1,617.52	1/4	1,256.75	1/4	897.36	1/4	549.55	1/4	188.63	1/4		1/4		1/4		1/4	
1/2	1,969.37	1/2	1,610.00	1/2	1,249.23	1/2	890.12	1/2	542.03	1/2	181.11	1/2		1/2		1/2		1/2	
3/4	1,961.94	3/4	1,602.49	3/4	1,241.71	3/4	882.88	3/4	534.51	3/4	173.59	3/4		3/4		3/4		3/4	
1	1,954.50	1	1,594.97	1	1,234.20	1	875.64	1	526.99	1	166.07	1		1		1		1	
1/4	1,947.06	1/4	1,587.45	1/4	1,226.68	1/4	868.40	1/4	519.48	1/4	158.54	1/4		1/4		1/4		1/4	
1/2	1,939.62	1/2	1,579.94	1/2	1,219.17	1/2	861.16	1/2	511.96	1/2	151.02	1/2		1/2		1/2		1/2	
3/4	1,932.18	3/4	1,572.42	3/4	1,211.65	3/4	853.92	3/4	504.44	3/4	143.49	3/4		3/4		3/4		3/4	
2	1,924.74	2	1,564.91	2	1,204.13	2	846.68	2	496.92	2	135.97	2		2		2		2	
1/4	1,917.31	1/4	1,557.39	1/4	1,196.62	1/4	839.44	1/4	489.40	1/4	128.44	1/4		1/4		1/4		1/4	
1/2	1,909.87	1/2	1,549.87	1/2	1,189.10	1/2	832.20	1/2	481.88	1/2	120.91	1/2		1/2		1/2		1/2	
3/4	1,902.43	3/4	1,542.36	3/4	1,181.59	3/4	824.98	3/4	474.36	3/4	113.38	3/4		3/4		3/4		3/4	
3	1,894.99	3	1,534.84	3	1,174.07	3	817.76	3	466.84	3	105.85	3		3		3		3	
1/4	1,887.55	1/4	1,527.33	1/4	1,166.55	1/4	810.54	1/4	459.32	1/4	98.32	1/4		1/4		1/4		1/4	
1/2	1,880.11	1/2	1,519.81	1/2	1,159.04	1/2	803.31	1/2	451.80	1/2	90.79	1/2		1/2		1/2		1/2	
3/4	1,872.68	3/4	1,512.29	3/4	1,151.52	3/4	796.11	3/4	444.28	3/4	83.25	3/4		3/4		3/4		3/4	
4	1,865.24	4	1,504.78	4	1,144.00	4	788.90	4	436.76	4	75.72	4		4		4		4	
1/4	1,857.80	1/4	1,497.26	1/4	1,136.49	1/4	781.70	1/4	429.24	1/4	68.19	1/4		1/4		1/4		1/4	
1/2	1,850.36	1/2	1,489.75	1/2	1,128.97	1/2	774.49	1/2	421.72	1/2	60.66	1/2		1/2		1/2		1/2	
3/4	1,842.88	3/4	1,482.23	3/4	1,121.46	3/4	767.29	3/4	414.21	3/4	53.76	3/4		3/4		3/4		3/4	
5	1,835.41	5	1,474.71	5	1,113.94	5	760.08	5	406.69	5	46.85	5		5		5		5	
1/4	1,827.93	1/4	1,467.20	1/4	1,106.42	1/4	752.88	1/4	399.17	1/4	39.95	1/4		1/4		1/4		1/4	
1/2	1,820.45	1/2	1,459.68	1/2	1,098.91	1/2	745.67	1/2	391.65	1/2	33.05	1/2		1/2		1/2		1/2	
3/4	1,812.93	3/4	1,452.17	3/4	1,091.39	3/4	738.46	3/4	384.13	3/4	28.03	3/4		3/4		3/4		3/4	
6	1,805.42	6	1,444.65	6	1,083.87	6	731.26	6	376.61	6	23.01	6		6		6		6	
1/4	1,797.90	1/4	1,437.13	1/4	1,076.36	1/4	724.05	1/4	369.09	1/4	17.99	1/4		1/4		1/4		1/4	
1/2	1,790.39	1/2	1,429.62	1/2	1,068.84	1/2	716.85	1/2	361.57	1/2	12.96	1/2		1/2		1/2		1/2	
3/4	1,782.87	3/4	1,422.10	3/4	1,061.33	3/4	709.64	3/4	354.05	3/4		3/4		3/4		3/4		3/4	
7	1,775.35	7	1,414.59	7	1,053.81	7	702.44	7	346.53	7		7		7		7		7	
1/4	1,767.84	1/4	1,407.07	1/4	1,046.29	1/4	695.23	1/4	339.01	1/4		1/4		1/4		1/4		1/4	
1/2	1,760.32	1/2	1,399.55	1/2	1,038.78	1/2	688.03	1/2	331.49	1/2		1/2		1/2		1/2		1/2	
3/4	1,752.81	3/4	1,392.04	3/4	1,031.26	3/4	680.82	3/4	323.97	3/4		3/4		3/4		3/4		3/4	
8	1,745.29	8	1,384.52	8	1,023.74	8	673.61	8	316.45	8		8		8		8		8	
1/4	1,737.77	1/4	1,377.01	1/4	1,016.23	1/4	666.41	1/4	308.93	1/4		1/4		1/4		1/4		1/4	
1/2	1,730.26	1/2	1,369.49	1/2	1,008.71	1/2	659.20	1/2	301.42	1/2		1/2		1/2		1/2		1/2	
3/4	1,722.74	3/4	1,361.97	3/4	1,001.20	3/4	652.00	3/4	293.90	3/4		3/4		3/4		3/4		3/4	
9	1,715.23	9	1,354.46	9	993.68	9	644.79	9	286.38	9		9		9		9		9	
1/4	1,707.71	1/4	1,346.94	1/4	986.16	1/4	637.59	1/4	278.86	1/4		1/4		1/4		1/4		1/4	
1/2	1,700.19	1/2	1,339.43	1/2	978.65	1/2	630.38	1/2	271.34	1/2		1/2		1/2		1/2		1/2	
3/4	1,692.68	3/4	1,331.91	3/4	971.13	3/4	623.18	3/4	263.82	3/4		3/4		3/4		3/4		3/4	
10	1,685.16	10	1,324.39	10	963.62	10	615.97	10	256.30	10		10		10		10		10	
1/4	1,677.65	1/4	1,316.88	1/4	956.10	1/4	608.77	1/4	248.78	1/4		1/4		1/4		1/4		1/4	
1/2	1,670.13	1/2	1,309.36	1/2	948.58	1/2	601.56	1/2	241.26	1/2		1/2		1/2		1/2		1/2	
3/4	1,662.61	3/4	1,301.84	3/4	941.21	3/4	594.20	3/4	233.74	3/4		3/4		3/4		3/4		3/4	
11	1,655.10	11	1,294.33	11	933.83	11	586.83	11	226.22	11		11		11		11		11	
1/4	1,647.58	1/4	1,286.81	1/4	926.45	1/4	579.47	1/4	218.71	1/4		1/4		1/4		1/4		1/4	
1/2	1,640.07	1/2	1,279.30	1/2	919.07	1/2	572.11	1/2	211.19	1/2		1/2		1/2		1/2		1/2	
3/4	1,632.55	3/4	1,271.78	3/4	911.83	3/4	564.59	3/4	203.67	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/07/2020 JS
CALCULATED: 12/07/2020 CL
PRINTED: 12/07/2020 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2020

PRECISION MEASUREMENT
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