



BARGE "TMTB 109"

INNAGE (10" HATCH)

	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	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-1/8	- 06-1/8	08-1/8	- 08-1/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8
1 STBD	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-1/8	- 06-1/8	08-1/8	- 08-1/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8
2 PORT	02-0/8	- 02-0/8	04-1/8	- 04-1/8	06-1/8	- 06-1/8	08-1/8	- 08-1/8	10-1/8	- 10-1/8	12-1/4	- 12-1/4
2 STBD	02-0/8	- 02-0/8	04-1/8	- 04-1/8	06-1/8	- 06-1/8	08-1/8	- 08-1/8	10-1/4	- 10-1/4	12-1/4	- 12-1/4
3 PORT	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-1/8	06-1/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8
3 STBD	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-1/8	06-1/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8

(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 - 08-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 3'-03 7/8"

LENGTH BETWEEN DRAFT MARKS: 235'-09"

October 28, 2020

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



BARGE "TMTB 109"

1 PORT INNAGE TABLE

10" HATCH GAUGE HEIGHT 17'-07"

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	2.23	0	262.94	0	608.24	0	964.77	0	1,321.76	0	1,679.79	0	2,037.83	0	2,395.86	0	2,753.86	0	3,111.79
1/4	4.10	1/4	269.70	1/4	615.70	1/4	972.17	1/4	1,329.22	1/4	1,687.25	1/4	2,045.29	1/4	2,403.32	1/4	2,761.31	1/4	3,119.25
1/2	5.96	1/2	276.46	1/2	623.16	1/2	979.57	1/2	1,336.68	1/2	1,694.71	1/2	2,052.74	1/2	2,410.78	1/2	2,768.77	1/2	3,126.71
3/4	7.82	3/4	283.22	3/4	630.62	3/4	986.97	3/4	1,344.14	3/4	1,702.17	3/4	2,060.20	3/4	2,418.24	3/4	2,776.23	3/4	3,134.16
1	9.69	1	289.98	1	638.08	1	994.37	1	1,351.60	1	1,709.63	1	2,067.66	1	2,425.69	1	2,783.68	1	3,141.62
1/4	12.61	1/4	296.83	1/4	645.53	1/4	1,001.77	1/4	1,359.06	1/4	1,717.09	1/4	2,075.12	1/4	2,433.15	1/4	2,791.14	1/4	3,149.08
1/2	15.53	1/2	303.67	1/2	652.99	1/2	1,009.17	1/2	1,366.52	1/2	1,724.55	1/2	2,082.58	1/2	2,440.61	1/2	2,798.60	1/2	3,156.53
3/4	18.45	3/4	310.52	3/4	660.45	3/4	1,016.57	3/4	1,373.98	3/4	1,732.01	3/4	2,090.04	3/4	2,448.07	3/4	2,806.06	3/4	3,163.99
2	21.37	2	317.37	2	667.91	2	1,023.97	2	1,381.43	2	1,739.47	2	2,097.50	2	2,455.53	2	2,813.51	2	3,171.45
1/4	25.39	1/4	324.30	1/4	675.37	1/4	1,031.38	1/4	1,388.89	1/4	1,746.93	1/4	2,104.96	1/4	2,462.99	1/4	2,820.97	1/4	3,178.91
1/2	29.40	1/2	331.23	1/2	682.83	1/2	1,038.78	1/2	1,396.35	1/2	1,754.38	1/2	2,112.42	1/2	2,470.45	1/2	2,828.43	1/2	3,186.36
3/4	33.42	3/4	338.17	3/4	690.29	3/4	1,046.19	3/4	1,403.81	3/4	1,761.84	3/4	2,119.88	3/4	2,477.91	3/4	2,835.88	3/4	3,193.82
3	37.44	3	345.10	3	697.75	3	1,053.59	3	1,411.27	3	1,769.30	3	2,127.33	3	2,485.37	3	2,843.34	3	3,201.28
1/4	42.93	1/4	352.12	1/4	705.20	1/4	1,061.01	1/4	1,418.73	1/4	1,776.76	1/4	2,134.79	1/4	2,492.83	1/4	2,850.80	1/4	3,208.73
1/2	48.41	1/2	359.14	1/2	712.66	1/2	1,068.43	1/2	1,426.19	1/2	1,784.22	1/2	2,142.25	1/2	2,500.28	1/2	2,858.25	1/2	3,216.19
3/4	53.90	3/4	366.16	3/4	720.12	3/4	1,075.85	3/4	1,433.65	3/4	1,791.68	3/4	2,149.71	3/4	2,507.74	3/4	2,865.71	3/4	3,223.65
4	59.39	4	373.19	4	727.58	4	1,083.26	4	1,441.11	4	1,799.14	4	2,157.17	4	2,515.20	4	2,873.17	4	3,231.10
1/4	65.42	1/4	380.30	1/4	735.04	1/4	1,090.69	1/4	1,448.57	1/4	1,806.60	1/4	2,164.63	1/4	2,522.66	1/4	2,880.63	1/4	3,238.56
1/2	71.46	1/2	387.40	1/2	742.50	1/2	1,098.12	1/2	1,456.02	1/2	1,814.06	1/2	2,172.09	1/2	2,530.12	1/2	2,888.08	1/2	3,246.02
3/4	77.49	3/4	394.51	3/4	749.96	3/4	1,105.55	3/4	1,463.48	3/4	1,821.52	3/4	2,179.55	3/4	2,537.58	3/4	2,895.54	3/4	3,253.48
5	83.53	5	401.62	5	757.42	5	1,112.97	5	1,470.94	5	1,828.97	5	2,187.01	5	2,545.04	5	2,903.00	5	3,260.93
1/4	89.67	1/4	408.82	1/4	764.85	1/4	1,120.42	1/4	1,478.40	1/4	1,836.43	1/4	2,194.47	1/4	2,552.50	1/4	2,910.45	1/4	3,268.39
1/2	95.81	1/2	416.01	1/2	772.28	1/2	1,127.86	1/2	1,485.86	1/2	1,843.89	1/2	2,201.92	1/2	2,559.96	1/2	2,917.91	1/2	3,275.85
3/4	101.95	3/4	423.21	3/4	779.72	3/4	1,135.30	3/4	1,493.32	3/4	1,851.35	3/4	2,209.38	3/4	2,567.42	3/4	2,925.37	3/4	3,283.30
6	108.09	6	430.41	6	787.15	6	1,142.75	6	1,500.78	6	1,858.81	6	2,216.84	6	2,574.87	6	2,932.82	6	3,290.76
1/4	114.32	1/4	437.69	1/4	794.56	1/4	1,150.21	1/4	1,508.24	1/4	1,866.27	1/4	2,224.30	1/4	2,582.34	1/4	2,940.28	1/4	3,298.22
1/2	120.55	1/2	444.98	1/2	801.96	1/2	1,157.66	1/2	1,515.70	1/2	1,873.73	1/2	2,231.76	1/2	2,589.80	1/2	2,947.74	1/2	3,305.67
3/4	126.79	3/4	452.26	3/4	809.36	3/4	1,165.12	3/4	1,523.16	3/4	1,881.19	3/4	2,239.22	3/4	2,597.26	3/4	2,955.20	3/4	3,313.13
7	133.02	7	459.54	7	816.77	7	1,172.58	7	1,530.61	7	1,888.65	7	2,246.68	7	2,604.72	7	2,962.65	7	3,320.59
1/4	139.34	1/4	466.91	1/4	824.17	1/4	1,180.04	1/4	1,538.07	1/4	1,896.11	1/4	2,254.14	1/4	2,612.17	1/4	2,970.11	1/4	3,328.05
1/2	145.66	1/2	474.29	1/2	831.57	1/2	1,187.50	1/2	1,545.53	1/2	1,903.56	1/2	2,261.60	1/2	2,619.63	1/2	2,977.57	1/2	3,335.50
3/4	151.98	3/4	481.66	3/4	838.97	3/4	1,194.96	3/4	1,552.99	3/4	1,911.02	3/4	2,269.06	3/4	2,627.09	3/4	2,985.02	3/4	3,342.96
8	158.30	8	489.03	8	846.37	8	1,202.42	8	1,560.45	8	1,918.48	8	2,276.51	8	2,634.54	8	2,992.48	8	3,350.42
1/4	164.71	1/4	496.47	1/4	853.77	1/4	1,209.88	1/4	1,567.91	1/4	1,925.94	1/4	2,283.97	1/4	2,642.00	1/4	2,999.94	1/4	3,357.87
1/2	171.12	1/2	503.90	1/2	861.17	1/2	1,217.34	1/2	1,575.37	1/2	1,933.40	1/2	2,291.43	1/2	2,649.46	1/2	3,007.39	1/2	3,365.33
3/4	177.53	3/4	511.34	3/4	868.57	3/4	1,224.80	3/4	1,582.83	3/4	1,940.86	3/4	2,298.89	3/4	2,656.92	3/4	3,014.85	3/4	3,372.79
9	183.94	9	518.78	9	875.97	9	1,232.25	9	1,590.29	9	1,948.32	9	2,306.35	9	2,664.37	9	3,022.31	9	3,380.24
1/4	190.44	1/4	526.23	1/4	883.37	1/4	1,239.71	1/4	1,597.75	1/4	1,955.78	1/4	2,313.81	1/4	2,671.83	1/4	3,029.77	1/4	3,387.70
1/2	196.93	1/2	533.69	1/2	890.77	1/2	1,247.17	1/2	1,605.20	1/2	1,963.24	1/2	2,321.27	1/2	2,679.29	1/2	3,037.22	1/2	3,395.16
3/4	203.43	3/4	541.15	3/4	898.17	3/4	1,254.63	3/4	1,612.66	3/4	1,970.70	3/4	2,328.73	3/4	2,686.74	3/4	3,044.68	3/4	3,402.62
10	209.92	10	548.60	10	905.57	10	1,262.09	10	1,620.12	10	1,978.15	10	2,336.19	10	2,694.20	10	3,052.14	10	3,410.07
1/4	216.51	1/4	556.06	1/4	912.97	1/4	1,269.55	1/4	1,627.58	1/4	1,985.61	1/4	2,343.65	1/4	2,701.66	1/4	3,059.59	1/4	3,417.53
1/2	223.09	1/2	563.51	1/2	920.37	1/2	1,277.01	1/2	1,635.04	1/2	1,993.07	1/2	2,351.10	1/2	2,709.11	1/2	3,067.05	1/2	3,424.99
3/4	229.68	3/4	570.96	3/4	927.77	3/4	1,284.47	3/4	1,642.50	3/4	2,000.53	3/4	2,358.56	3/4	2,716.57	3/4	3,074.51	3/4	3,432.44
11	236.26	11	578.42	11	935.17	11	1,291.93	11	1,649.96	11	2,007.99	11	2,366.02	11	2,724.03	11	3,081.96	11	3,439.90
1/4	242.93	1/4	585.87	1/4	942.57	1/4	1,299.39	1/4	1,657.42	1/4	2,015.45	1/4	2,373.48	1/4	2,731.49	1/4	3,089.42	1/4	3,447.36
1/2	249.60	1/2	593.33	1/2	949.97	1/2	1,306.84	1/2	1,664.88	1/2	2,022.91	1/2	2,380.94	1/2	2,738.94	1/2	3,096.88	1/2	3,454.81
3/4	256.27	3/4	600.78	3/4	957.37	3/4	1,314.30	3/4	1,672.34	3/4	2,030.37	3/4	2,388.40	3/4	2,746.40	3/4	3,104.34	3/4	3,462.27

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 INNAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.

GAUGE POINT: (10" HATCH) LOCATED 3'-00" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "TMTB 109"

1 PORT
INNAGE TABLE
10" HATCH
GAUGE HEIGHT 17'-07"

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	3,469.73	0	3,827.66	0	4,185.02	0	4,541.91	0	4,897.48	0		0		0		0		0	
1/4	3,477.19	1/4	3,835.12	1/4	4,192.46	1/4	4,549.35	1/4	4,904.84	1/4		1/4		1/4		1/4		1/4	
1/2	3,484.64	1/2	3,842.58	1/2	4,199.90	1/2	4,556.78	1/2	4,912.19	1/2		1/2		1/2		1/2		1/2	
3/4	3,492.10	3/4	3,850.04	3/4	4,207.33	3/4	4,564.22	3/4	4,919.55	3/4		3/4		3/4		3/4		3/4	
1	3,499.56	1	3,857.49	1	4,214.77	1	4,571.66	1	4,926.90	1		1		1		1		1	
1/4	3,507.01	1/4	3,864.95	1/4	4,222.20	1/4	4,579.09	1/4	4,934.22	1/4		1/4		1/4		1/4		1/4	
1/2	3,514.47	1/2	3,872.41	1/2	4,229.64	1/2	4,586.53	1/2	4,941.54	1/2		1/2		1/2		1/2		1/2	
3/4	3,521.93	3/4	3,879.86	3/4	4,237.07	3/4	4,593.96	3/4	4,948.87	3/4		3/4		3/4		3/4		3/4	
2	3,529.38	2	3,887.32	2	4,244.51	2	4,601.40	2	4,956.19	2		2		2		2		2	
1/4	3,536.84	1/4	3,894.78	1/4	4,251.94	1/4	4,608.83	1/4	4,963.05	1/4		1/4		1/4		1/4		1/4	
1/2	3,544.30	1/2	3,902.23	1/2	4,259.38	1/2	4,616.27	1/2	4,969.91	1/2		1/2		1/2		1/2		1/2	
3/4	3,551.76	3/4	3,909.69	3/4	4,266.81	3/4	4,623.70	3/4	4,976.77	3/4		3/4		3/4		3/4		3/4	
3	3,559.21	3	3,917.15	3	4,274.25	3	4,631.14	3	4,983.63	3		3		3		3		3	
1/4	3,566.67	1/4	3,924.61	1/4	4,281.68	1/4	4,638.57	1/4	4,989.44	1/4		1/4		1/4		1/4		1/4	
1/2	3,574.13	1/2	3,932.06	1/2	4,289.12	1/2	4,646.01	1/2	4,995.25	1/2		1/2		1/2		1/2		1/2	
3/4	3,581.58	3/4	3,939.52	3/4	4,296.55	3/4	4,653.44	3/4	5,001.06	3/4		3/4		3/4		3/4		3/4	
4	3,589.04	4	3,946.98	4	4,303.99	4	4,660.88	4	5,006.87	4		4		4		4		4	
1/4	3,596.50	1/4	3,954.43	1/4	4,311.42	1/4	4,668.31	1/4	5,011.44	1/4		1/4		1/4		1/4		1/4	
1/2	3,603.95	1/2	3,961.89	1/2	4,318.86	1/2	4,675.75	1/2	5,016.01	1/2		1/2		1/2		1/2		1/2	
3/4	3,611.41	3/4	3,969.35	3/4	4,326.29	3/4	4,683.18	3/4	5,020.57	3/4		3/4		3/4		3/4		3/4	
5	3,618.87	5	3,976.80	5	4,333.73	5	4,690.62	5	5,025.14	5		5		5		5		5	
1/4	3,626.33	1/4	3,984.25	1/4	4,341.16	1/4	4,698.05	1/4	5,028.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,633.78	1/2	3,991.69	1/2	4,348.60	1/2	4,705.49	1/2	5,031.78	1/2		1/2		1/2		1/2		1/2	
3/4	3,641.24	3/4	3,999.14	3/4	4,356.03	3/4	4,712.92	3/4	5,035.11	3/4		3/4		3/4		3/4		3/4	
6	3,648.70	6	4,006.58	6	4,363.47	6	4,720.36	6	5,038.43	6		6		6		6		6	
1/4	3,656.15	1/4	4,014.02	1/4	4,370.90	1/4	4,727.79	1/4	5,040.51	1/4		1/4		1/4		1/4		1/4	
1/2	3,663.61	1/2	4,021.45	1/2	4,378.34	1/2	4,735.23	1/2	5,042.59	1/2		1/2		1/2		1/2		1/2	
3/4	3,671.07	3/4	4,028.89	3/4	4,385.78	3/4	4,742.66	3/4	5,044.67	3/4		3/4		3/4		3/4		3/4	
7	3,678.52	7	4,036.32	7	4,393.21	7	4,750.10	7	5,046.75	7		7		7		7		7	
1/4	3,685.98	1/4	4,043.76	1/4	4,400.65	1/4	4,757.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,693.44	1/2	4,051.19	1/2	4,408.08	1/2	4,764.90	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,700.90	3/4	4,058.63	3/4	4,415.52	3/4	4,772.30	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,708.35	8	4,066.06	8	4,422.95	8	4,779.70	8		8		8		8		8		8	
1/4	3,715.81	1/4	4,073.50	1/4	4,430.39	1/4	4,787.06	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,723.27	1/2	4,080.93	1/2	4,437.82	1/2	4,794.42	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,730.72	3/4	4,088.37	3/4	4,445.26	3/4	4,801.78	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,738.18	9	4,095.80	9	4,452.69	9	4,809.14	9		9		9		9		9		9	
1/4	3,745.64	1/4	4,103.24	1/4	4,460.13	1/4	4,816.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,753.09	1/2	4,110.67	1/2	4,467.56	1/2	4,823.86	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,760.55	3/4	4,118.11	3/4	4,475.00	3/4	4,831.23	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,768.01	10	4,125.54	10	4,482.43	10	4,838.59	10		10		10		10		10		10	
1/4	3,775.47	1/4	4,132.98	1/4	4,489.87	1/4	4,845.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,782.92	1/2	4,140.41	1/2	4,497.30	1/2	4,853.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,790.38	3/4	4,147.85	3/4	4,504.74	3/4	4,860.68	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,797.84	11	4,155.28	11	4,512.17	11	4,868.04	11		11		11		11		11		11	
1/4	3,805.29	1/4	4,162.72	1/4	4,519.61	1/4	4,875.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,812.75	1/2	4,170.15	1/2	4,527.04	1/2	4,882.76	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,820.21	3/4	4,177.59	3/4	4,534.48	3/4	4,890.12	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/28/2020 CL
CALCULATED: 10/29/2020 CL
PRINTED: 10/29/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "TMTB 109"

1 STBD

INNAGE TABLE

10" HATCH

GAUGE HEIGHT 17'-07"

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	2.23	0	262.98	0	608.40	0	966.21	0	1,324.14	0	1,682.25	0	2,040.37	0	2,398.49	0	2,756.55	0	3,114.57
1/4	4.10	1/4	269.74	1/4	615.86	1/4	973.65	1/4	1,331.60	1/4	1,689.71	1/4	2,047.83	1/4	2,405.95	1/4	2,764.01	1/4	3,122.03
1/2	5.96	1/2	276.50	1/2	623.32	1/2	981.10	1/2	1,339.06	1/2	1,697.18	1/2	2,055.29	1/2	2,413.41	1/2	2,771.47	1/2	3,129.49
3/4	7.83	3/4	283.26	3/4	630.78	3/4	988.54	3/4	1,346.52	3/4	1,704.64	3/4	2,062.75	3/4	2,420.87	3/4	2,778.93	3/4	3,136.95
1	9.69	1	290.02	1	638.24	1	995.99	1	1,353.98	1	1,712.10	1	2,070.22	1	2,428.33	1	2,786.39	1	3,144.41
1/4	12.61	1/4	296.87	1/4	645.71	1/4	1,003.44	1/4	1,361.44	1/4	1,719.56	1/4	2,077.68	1/4	2,435.79	1/4	2,793.85	1/4	3,151.86
1/2	15.53	1/2	303.72	1/2	653.17	1/2	1,010.88	1/2	1,368.90	1/2	1,727.02	1/2	2,085.14	1/2	2,443.26	1/2	2,801.31	1/2	3,159.32
3/4	18.45	3/4	310.57	3/4	660.63	3/4	1,018.33	3/4	1,376.36	3/4	1,734.48	3/4	2,092.60	3/4	2,450.72	3/4	2,808.76	3/4	3,166.78
2	21.37	2	317.42	2	668.09	2	1,025.78	2	1,383.82	2	1,741.94	2	2,100.06	2	2,458.18	2	2,816.22	2	3,174.24
1/4	25.39	1/4	324.35	1/4	675.55	1/4	1,033.23	1/4	1,391.28	1/4	1,749.40	1/4	2,107.52	1/4	2,465.64	1/4	2,823.68	1/4	3,181.70
1/2	29.41	1/2	331.29	1/2	683.01	1/2	1,040.68	1/2	1,398.74	1/2	1,756.86	1/2	2,114.98	1/2	2,473.10	1/2	2,831.14	1/2	3,189.16
3/4	33.43	3/4	338.22	3/4	690.47	3/4	1,048.13	3/4	1,406.20	3/4	1,764.32	3/4	2,122.44	3/4	2,480.56	3/4	2,838.60	3/4	3,196.62
3	37.45	3	345.16	3	697.93	3	1,055.58	3	1,413.67	3	1,771.78	3	2,129.90	3	2,488.02	3	2,846.06	3	3,204.08
1/4	42.93	1/4	352.18	1/4	705.39	1/4	1,063.04	1/4	1,421.13	1/4	1,779.24	1/4	2,137.36	1/4	2,495.48	1/4	2,853.52	1/4	3,211.53
1/2	48.42	1/2	359.20	1/2	712.85	1/2	1,070.49	1/2	1,428.59	1/2	1,786.71	1/2	2,144.82	1/2	2,502.94	1/2	2,860.98	1/2	3,218.99
3/4	53.91	3/4	366.22	3/4	720.31	3/4	1,077.95	3/4	1,436.05	3/4	1,794.17	3/4	2,152.28	3/4	2,510.40	3/4	2,868.43	3/4	3,226.45
4	59.39	4	373.25	4	727.77	4	1,085.40	4	1,443.51	4	1,801.63	4	2,159.75	4	2,517.86	4	2,875.89	4	3,233.91
1/4	65.43	1/4	380.36	1/4	735.23	1/4	1,092.86	1/4	1,450.97	1/4	1,809.09	1/4	2,167.21	1/4	2,525.32	1/4	2,883.35	1/4	3,241.37
1/2	71.46	1/2	387.47	1/2	742.70	1/2	1,100.32	1/2	1,458.43	1/2	1,816.55	1/2	2,174.67	1/2	2,532.79	1/2	2,890.81	1/2	3,248.83
3/4	77.50	3/4	394.58	3/4	750.16	3/4	1,107.78	3/4	1,465.89	3/4	1,824.01	3/4	2,182.13	3/4	2,540.25	3/4	2,898.27	3/4	3,256.29
5	83.54	5	401.69	5	757.62	5	1,115.23	5	1,473.35	5	1,831.47	5	2,189.59	5	2,547.71	5	2,905.73	5	3,263.74
1/4	89.68	1/4	408.89	1/4	765.08	1/4	1,122.69	1/4	1,480.81	1/4	1,838.93	1/4	2,197.05	1/4	2,555.17	1/4	2,913.19	1/4	3,271.20
1/2	95.82	1/2	416.09	1/2	772.54	1/2	1,130.15	1/2	1,488.27	1/2	1,846.39	1/2	2,204.51	1/2	2,562.63	1/2	2,920.64	1/2	3,278.66
3/4	101.96	3/4	423.28	3/4	780.00	3/4	1,137.62	3/4	1,495.73	3/4	1,853.85	3/4	2,211.97	3/4	2,570.09	3/4	2,928.10	3/4	3,286.12
6	108.10	6	430.48	6	787.46	6	1,145.08	6	1,503.19	6	1,861.31	6	2,219.43	6	2,577.55	6	2,935.56	6	3,293.58
1/4	114.33	1/4	437.77	1/4	794.91	1/4	1,152.54	1/4	1,510.66	1/4	1,868.77	1/4	2,226.89	1/4	2,585.01	1/4	2,943.02	1/4	3,301.04
1/2	120.57	1/2	445.05	1/2	802.37	1/2	1,160.00	1/2	1,518.12	1/2	1,876.23	1/2	2,234.35	1/2	2,592.46	1/2	2,950.48	1/2	3,308.50
3/4	126.80	3/4	452.34	3/4	809.82	3/4	1,167.46	3/4	1,525.58	3/4	1,883.70	3/4	2,241.81	3/4	2,599.92	3/4	2,957.94	3/4	3,315.96
7	133.04	7	459.62	7	817.27	7	1,174.92	7	1,533.04	7	1,891.16	7	2,249.27	7	2,607.38	7	2,965.40	7	3,323.41
1/4	139.36	1/4	467.00	1/4	824.72	1/4	1,182.38	1/4	1,540.50	1/4	1,898.62	1/4	2,256.74	1/4	2,614.84	1/4	2,972.86	1/4	3,330.87
1/2	145.68	1/2	474.37	1/2	832.17	1/2	1,189.84	1/2	1,547.96	1/2	1,906.08	1/2	2,264.20	1/2	2,622.30	1/2	2,980.31	1/2	3,338.33
3/4	152.00	3/4	481.74	3/4	839.61	3/4	1,197.30	3/4	1,555.42	3/4	1,913.54	3/4	2,271.66	3/4	2,629.76	3/4	2,987.77	3/4	3,345.79
8	158.33	8	489.12	8	847.06	8	1,204.76	8	1,562.88	8	1,921.00	8	2,279.12	8	2,637.21	8	2,995.23	8	3,353.25
1/4	164.74	1/4	496.56	1/4	854.51	1/4	1,212.22	1/4	1,570.34	1/4	1,928.46	1/4	2,286.58	1/4	2,644.67	1/4	3,002.69	1/4	3,360.71
1/2	171.15	1/2	503.99	1/2	861.95	1/2	1,219.68	1/2	1,577.80	1/2	1,935.92	1/2	2,294.04	1/2	2,652.13	1/2	3,010.15	1/2	3,368.17
3/4	177.56	3/4	511.43	3/4	869.40	3/4	1,227.15	3/4	1,585.26	3/4	1,943.38	3/4	2,301.50	3/4	2,659.59	3/4	3,017.61	3/4	3,375.63
9	183.96	9	518.87	9	876.85	9	1,234.61	9	1,592.72	9	1,950.84	9	2,308.96	9	2,667.05	9	3,025.07	9	3,383.08
1/4	190.46	1/4	526.33	1/4	884.29	1/4	1,242.07	1/4	1,600.19	1/4	1,958.30	1/4	2,316.42	1/4	2,674.51	1/4	3,032.53	1/4	3,390.54
1/2	196.96	1/2	533.79	1/2	891.74	1/2	1,249.53	1/2	1,607.65	1/2	1,965.76	1/2	2,323.88	1/2	2,681.97	1/2	3,039.98	1/2	3,398.00
3/4	203.46	3/4	541.25	3/4	899.19	3/4	1,256.99	3/4	1,615.11	3/4	1,973.23	3/4	2,331.34	3/4	2,689.42	3/4	3,047.44	3/4	3,405.46
10	209.95	10	548.71	10	906.63	10	1,264.45	10	1,622.57	10	1,980.69	10	2,338.80	10	2,696.88	10	3,054.90	10	3,412.92
1/4	216.54	1/4	556.18	1/4	914.08	1/4	1,271.91	1/4	1,630.03	1/4	1,988.15	1/4	2,346.27	1/4	2,704.34	1/4	3,062.36	1/4	3,420.38
1/2	223.12	1/2	563.64	1/2	921.53	1/2	1,279.37	1/2	1,637.49	1/2	1,995.61	1/2	2,353.73	1/2	2,711.80	1/2	3,069.82	1/2	3,427.84
3/4	229.71	3/4	571.10	3/4	928.97	3/4	1,286.83	3/4	1,644.95	3/4	2,003.07	3/4	2,361.19	3/4	2,719.26	3/4	3,077.28	3/4	3,435.29
11	236.29	11	578.56	11	936.42	11	1,294.29	11	1,652.41	11	2,010.53	11	2,368.65	11	2,726.72	11	3,084.74	11	3,442.75
1/4	242.97	1/4	586.02	1/4	943.87	1/4	1,301.75	1/4	1,659.87	1/4	2,017.99	1/4	2,376.11	1/4	2,734.18	1/4	3,092.19	1/4	3,450.21
1/2	249.64	1/2	593.48	1/2	951.31	1/2	1,309.21	1/2	1,667.33	1/2	2,025.45	1/2	2,383.57	1/2	2,741.64	1/2	3,099.65	1/2	3,457.67
3/4	256.31	3/4	600.94	3/4	958.76	3/4	1,316.67	3/4	1,674.79	3/4	2,032.91	3/4	2,391.03	3/4	2,749.09	3/4	3,107.11	3/4	3,465.13

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 INNAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.

GAUGE POINT: (10" HATCH) LOCATED 3'-00" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "TMTB 109"

1 STBD

INNAGE TABLE

10" HATCH

GAUGE HEIGHT 17'-07"

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	3,472.59	0	3,830.61	0	4,188.05	0	4,545.02	0	4,900.67	0		0		0		0		0	
1/4	3,480.05	1/4	3,838.06	1/4	4,195.48	1/4	4,552.46	1/4	4,908.02	1/4		1/4		1/4		1/4		1/4	
1/2	3,487.51	1/2	3,845.52	1/2	4,202.92	1/2	4,559.89	1/2	4,915.38	1/2		1/2		1/2		1/2		1/2	
3/4	3,494.96	3/4	3,852.98	3/4	4,210.36	3/4	4,567.33	3/4	4,922.73	3/4		3/4		3/4		3/4		3/4	
1	3,502.42	1	3,860.44	1	4,217.80	1	4,574.77	1	4,930.09	1		1		1		1		1	
1/4	3,509.88	1/4	3,867.90	1/4	4,225.23	1/4	4,582.20	1/4	4,937.41	1/4		1/4		1/4		1/4		1/4	
1/2	3,517.34	1/2	3,875.36	1/2	4,232.67	1/2	4,589.64	1/2	4,944.74	1/2		1/2		1/2		1/2		1/2	
3/4	3,524.80	3/4	3,882.82	3/4	4,240.11	3/4	4,597.08	3/4	4,952.06	3/4		3/4		3/4		3/4		3/4	
2	3,532.26	2	3,890.28	2	4,247.54	2	4,604.51	2	4,959.38	2		2		2		2		2	
1/4	3,539.72	1/4	3,897.73	1/4	4,254.98	1/4	4,611.95	1/4	4,966.24	1/4		1/4		1/4		1/4		1/4	
1/2	3,547.18	1/2	3,905.19	1/2	4,262.42	1/2	4,619.39	1/2	4,973.11	1/2		1/2		1/2		1/2		1/2	
3/4	3,554.63	3/4	3,912.65	3/4	4,269.85	3/4	4,626.83	3/4	4,979.97	3/4		3/4		3/4		3/4		3/4	
3	3,562.09	3	3,920.11	3	4,277.29	3	4,634.26	3	4,986.84	3		3		3		3		3	
1/4	3,569.55	1/4	3,927.57	1/4	4,284.73	1/4	4,641.70	1/4	4,992.65	1/4		1/4		1/4		1/4		1/4	
1/2	3,577.01	1/2	3,935.03	1/2	4,292.16	1/2	4,649.14	1/2	4,998.46	1/2		1/2		1/2		1/2		1/2	
3/4	3,584.47	3/4	3,942.49	3/4	4,299.60	3/4	4,656.57	3/4	5,004.27	3/4		3/4		3/4		3/4		3/4	
4	3,591.93	4	3,949.95	4	4,307.04	4	4,664.01	4	5,010.08	4		4		4		4		4	
1/4	3,599.39	1/4	3,957.40	1/4	4,314.48	1/4	4,671.45	1/4	5,014.65	1/4		1/4		1/4		1/4		1/4	
1/2	3,606.85	1/2	3,964.86	1/2	4,321.91	1/2	4,678.88	1/2	5,019.21	1/2		1/2		1/2		1/2		1/2	
3/4	3,614.30	3/4	3,972.32	3/4	4,329.35	3/4	4,686.32	3/4	5,023.78	3/4		3/4		3/4		3/4		3/4	
5	3,621.76	5	3,979.78	5	4,336.79	5	4,693.76	5	5,028.35	5		5		5		5		5	
1/4	3,629.22	1/4	3,987.23	1/4	4,344.22	1/4	4,701.19	1/4	5,031.67	1/4		1/4		1/4		1/4		1/4	
1/2	3,636.68	1/2	3,994.67	1/2	4,351.66	1/2	4,708.63	1/2	5,035.00	1/2		1/2		1/2		1/2		1/2	
3/4	3,644.14	3/4	4,002.12	3/4	4,359.10	3/4	4,716.07	3/4	5,038.32	3/4		3/4		3/4		3/4		3/4	
6	3,651.60	6	4,009.56	6	4,366.53	6	4,723.50	6	5,041.64	6		6		6		6		6	
1/4	3,659.06	1/4	4,017.00	1/4	4,373.97	1/4	4,730.94	1/4	5,043.72	1/4		1/4		1/4		1/4		1/4	
1/2	3,666.51	1/2	4,024.44	1/2	4,381.41	1/2	4,738.38	1/2	5,045.80	1/2		1/2		1/2		1/2		1/2	
3/4	3,673.97	3/4	4,031.87	3/4	4,388.84	3/4	4,745.82	3/4	5,047.88	3/4		3/4		3/4		3/4		3/4	
7	3,681.43	7	4,039.31	7	4,396.28	7	4,753.25	7	5,049.96	7		7		7		7		7	
1/4	3,688.89	1/4	4,046.75	1/4	4,403.72	1/4	4,760.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,696.35	1/2	4,054.18	1/2	4,411.16	1/2	4,768.05	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,703.81	3/4	4,061.62	3/4	4,418.59	3/4	4,775.45	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,711.27	8	4,069.06	8	4,426.03	8	4,782.85	8		8		8		8		8		8	
1/4	3,718.73	1/4	4,076.49	1/4	4,433.47	1/4	4,790.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,726.18	1/2	4,083.93	1/2	4,440.90	1/2	4,797.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,733.64	3/4	4,091.37	3/4	4,448.34	3/4	4,804.94	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,741.10	9	4,098.81	9	4,455.78	9	4,812.31	9		9		9		9		9		9	
1/4	3,748.56	1/4	4,106.24	1/4	4,463.21	1/4	4,819.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,756.02	1/2	4,113.68	1/2	4,470.65	1/2	4,827.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,763.48	3/4	4,121.12	3/4	4,478.09	3/4	4,834.39	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,770.94	10	4,128.55	10	4,485.52	10	4,841.76	10		10		10		10		10		10	
1/4	3,778.40	1/4	4,135.99	1/4	4,492.96	1/4	4,849.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,785.85	1/2	4,143.43	1/2	4,500.40	1/2	4,856.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,793.31	3/4	4,150.86	3/4	4,507.83	3/4	4,863.85	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,800.77	11	4,158.30	11	4,515.27	11	4,871.21	11		11		11		11		11		11	
1/4	3,808.23	1/4	4,165.74	1/4	4,522.71	1/4	4,878.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,815.69	1/2	4,173.17	1/2	4,530.15	1/2	4,885.94	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,823.15	3/4	4,180.61	3/4	4,537.58	3/4	4,893.30	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/28/2020 CL
CALCULATED: 10/29/2020 CL
PRINTED: 10/29/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "TMTB 109"

2 PORT INNAGE TABLE

10" HATCH
GAUGE HEIGHT 17'-07"

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	2.24	0	314.28	0	673.27	0	1,024.37	0	1,376.77	0	1,735.76	0	2,094.74	0	2,453.73	0	2,812.72	0	3,171.71
1/4	4.11	1/4	321.76	1/4	680.74	1/4	1,031.54	1/4	1,384.25	1/4	1,743.24	1/4	2,102.22	1/4	2,461.21	1/4	2,820.20	1/4	3,179.18
1/2	5.97	1/2	329.24	1/2	688.22	1/2	1,038.71	1/2	1,391.73	1/2	1,750.71	1/2	2,109.70	1/2	2,468.69	1/2	2,827.68	1/2	3,186.66
3/4	7.84	3/4	336.72	3/4	695.70	3/4	1,045.89	3/4	1,399.21	3/4	1,758.19	3/4	2,117.18	3/4	2,476.17	3/4	2,835.16	3/4	3,194.14
1	9.71	1	344.19	1	703.18	1	1,053.06	1	1,406.69	1	1,765.67	1	2,124.66	1	2,483.65	1	2,842.63	1	3,201.62
1/4	13.45	1/4	351.67	1/4	710.66	1/4	1,060.23	1/4	1,414.16	1/4	1,773.15	1/4	2,132.14	1/4	2,491.13	1/4	2,850.11	1/4	3,209.10
1/2	17.19	1/2	359.15	1/2	718.14	1/2	1,067.40	1/2	1,421.64	1/2	1,780.63	1/2	2,139.62	1/2	2,498.60	1/2	2,857.59	1/2	3,216.58
3/4	20.93	3/4	366.63	3/4	725.62	3/4	1,074.57	3/4	1,429.12	3/4	1,788.11	3/4	2,147.10	3/4	2,506.08	3/4	2,865.07	3/4	3,224.06
2	24.67	2	374.11	2	733.10	2	1,081.75	2	1,436.60	2	1,795.59	2	2,154.58	2	2,513.56	2	2,872.55	2	3,231.54
1/4	30.28	1/4	381.59	1/4	740.58	1/4	1,088.92	1/4	1,444.08	1/4	1,803.07	1/4	2,162.05	1/4	2,521.04	1/4	2,880.03	1/4	3,239.02
1/2	35.89	1/2	389.07	1/2	748.06	1/2	1,096.10	1/2	1,451.56	1/2	1,810.55	1/2	2,169.53	1/2	2,528.52	1/2	2,887.51	1/2	3,246.49
3/4	41.50	3/4	396.55	3/4	755.53	3/4	1,103.27	3/4	1,459.04	3/4	1,818.02	3/4	2,177.01	3/4	2,536.00	3/4	2,894.99	3/4	3,253.97
3	47.10	3	404.03	3	763.01	3	1,110.45	3	1,466.52	3	1,825.50	3	2,184.49	3	2,543.48	3	2,902.47	3	3,261.45
1/4	54.10	1/4	411.50	1/4	770.49	1/4	1,117.63	1/4	1,474.00	1/4	1,832.98	1/4	2,191.97	1/4	2,550.96	1/4	2,909.94	1/4	3,268.93
1/2	61.09	1/2	418.98	1/2	777.97	1/2	1,124.81	1/2	1,481.47	1/2	1,840.46	1/2	2,199.45	1/2	2,558.44	1/2	2,917.42	1/2	3,276.41
3/4	68.08	3/4	426.46	3/4	785.45	3/4	1,131.99	3/4	1,488.95	3/4	1,847.94	3/4	2,206.93	3/4	2,565.91	3/4	2,924.90	3/4	3,283.89
4	75.07	4	433.94	4	792.93	4	1,139.17	4	1,496.43	4	1,855.42	4	2,214.41	4	2,573.39	4	2,932.38	4	3,291.37
1/4	82.53	1/4	441.42	1/4	800.41	1/4	1,146.36	1/4	1,503.91	1/4	1,862.90	1/4	2,221.89	1/4	2,580.87	1/4	2,939.86	1/4	3,298.85
1/2	89.99	1/2	448.90	1/2	807.89	1/2	1,153.55	1/2	1,511.39	1/2	1,870.38	1/2	2,229.36	1/2	2,588.35	1/2	2,947.34	1/2	3,306.33
3/4	97.44	3/4	456.38	3/4	815.37	3/4	1,160.74	3/4	1,518.87	3/4	1,877.86	3/4	2,236.84	3/4	2,595.83	3/4	2,954.82	3/4	3,313.80
5	104.90	5	463.86	5	822.84	5	1,167.93	5	1,526.35	5	1,885.33	5	2,244.32	5	2,603.31	5	2,962.30	5	3,321.28
1/4	112.37	1/4	471.34	1/4	830.18	1/4	1,175.26	1/4	1,533.83	1/4	1,892.81	1/4	2,251.80	1/4	2,610.79	1/4	2,969.78	1/4	3,328.76
1/2	119.84	1/2	478.81	1/2	837.52	1/2	1,182.60	1/2	1,541.31	1/2	1,900.29	1/2	2,259.28	1/2	2,618.27	1/2	2,977.25	1/2	3,336.24
3/4	127.32	3/4	486.29	3/4	844.86	3/4	1,189.94	3/4	1,548.78	3/4	1,907.77	3/4	2,266.76	3/4	2,625.75	3/4	2,984.73	3/4	3,343.72
6	134.79	6	493.77	6	852.19	6	1,197.28	6	1,556.26	6	1,915.25	6	2,274.24	6	2,633.22	6	2,992.21	6	3,351.20
1/4	142.27	1/4	501.25	1/4	859.38	1/4	1,204.76	1/4	1,563.74	1/4	1,922.73	1/4	2,281.72	1/4	2,640.70	1/4	2,999.69	1/4	3,358.68
1/2	149.74	1/2	508.73	1/2	866.56	1/2	1,212.23	1/2	1,571.22	1/2	1,930.21	1/2	2,289.20	1/2	2,648.18	1/2	3,007.17	1/2	3,366.16
3/4	157.22	3/4	516.21	3/4	873.75	3/4	1,219.71	3/4	1,578.70	3/4	1,937.69	3/4	2,296.67	3/4	2,655.66	3/4	3,014.65	3/4	3,373.64
7	164.70	7	523.69	7	880.93	7	1,227.19	7	1,586.18	7	1,945.17	7	2,304.15	7	2,663.14	7	3,022.13	7	3,381.11
1/4	172.18	1/4	531.17	1/4	888.10	1/4	1,234.67	1/4	1,593.66	1/4	1,952.65	1/4	2,311.63	1/4	2,670.62	1/4	3,029.61	1/4	3,388.59
1/2	179.66	1/2	538.65	1/2	895.27	1/2	1,242.15	1/2	1,601.14	1/2	1,960.12	1/2	2,319.11	1/2	2,678.10	1/2	3,037.09	1/2	3,396.07
3/4	187.14	3/4	546.12	3/4	902.45	3/4	1,249.63	3/4	1,608.62	3/4	1,967.60	3/4	2,326.59	3/4	2,685.58	3/4	3,044.56	3/4	3,403.55
8	194.62	8	553.60	8	909.62	8	1,257.11	8	1,616.09	8	1,975.08	8	2,334.07	8	2,693.06	8	3,052.04	8	3,411.03
1/4	202.10	1/4	561.08	1/4	916.79	1/4	1,264.59	1/4	1,623.57	1/4	1,982.56	1/4	2,341.55	1/4	2,700.54	1/4	3,059.52	1/4	3,418.51
1/2	209.57	1/2	568.56	1/2	923.96	1/2	1,272.07	1/2	1,631.05	1/2	1,990.04	1/2	2,349.03	1/2	2,708.01	1/2	3,067.00	1/2	3,425.99
3/4	217.05	3/4	576.04	3/4	931.13	3/4	1,279.54	3/4	1,638.53	3/4	1,997.52	3/4	2,356.51	3/4	2,715.49	3/4	3,074.48	3/4	3,433.47
9	224.53	9	583.52	9	938.31	9	1,287.02	9	1,646.01	9	2,005.00	9	2,363.98	9	2,722.97	9	3,081.96	9	3,440.95
1/4	232.01	1/4	591.00	1/4	945.48	1/4	1,294.50	1/4	1,653.49	1/4	2,012.48	1/4	2,371.46	1/4	2,730.45	1/4	3,089.44	1/4	3,448.43
1/2	239.49	1/2	598.48	1/2	952.65	1/2	1,301.98	1/2	1,660.97	1/2	2,019.96	1/2	2,378.94	1/2	2,737.93	1/2	3,096.92	1/2	3,455.90
3/4	246.97	3/4	605.96	3/4	959.82	3/4	1,309.46	3/4	1,668.45	3/4	2,027.43	3/4	2,386.42	3/4	2,745.41	3/4	3,104.40	3/4	3,463.38
10	254.45	10	613.43	10	966.99	10	1,316.94	10	1,675.93	10	2,034.91	10	2,393.90	10	2,752.89	10	3,111.87	10	3,470.86
1/4	261.93	1/4	620.91	1/4	974.17	1/4	1,324.42	1/4	1,683.40	1/4	2,042.39	1/4	2,401.38	1/4	2,760.37	1/4	3,119.35	1/4	3,478.34
1/2	269.41	1/2	628.39	1/2	981.34	1/2	1,331.90	1/2	1,690.88	1/2	2,049.87	1/2	2,408.86	1/2	2,767.85	1/2	3,126.83	1/2	3,485.82
3/4	276.88	3/4	635.87	3/4	988.51	3/4	1,339.38	3/4	1,698.36	3/4	2,057.35	3/4	2,416.34	3/4	2,775.32	3/4	3,134.31	3/4	3,493.30
11	284.36	11	643.35	11	995.68	11	1,346.85	11	1,705.84	11	2,064.83	11	2,423.82	11	2,782.80	11	3,141.79	11	3,500.78
1/4	291.84	1/4	650.83	1/4	1,002.85	1/4	1,354.33	1/4	1,713.32	1/4	2,072.31	1/4	2,431.29	1/4	2,790.28	1/4	3,149.27	1/4	3,508.26
1/2	299.32	1/2	658.31	1/2	1,010.03	1/2	1,361.81	1/2	1,720.80	1/2	2,079.79	1/2	2,438.77	1/2	2,797.76	1/2	3,156.75	1/2	3,515.74
3/4	306.80	3/4	665.79	3/4	1,017.20	3/4	1,369.29	3/4	1,728.28	3/4	2,087.27	3/4	2,446.25	3/4	2,805.24	3/4	3,164.23	3/4	3,523.21

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 INNAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.

GAUGE POINT: (10" HATCH) LOCATED 3'-00" OFF CENTERLINE AND 3'-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 109"

2 PORT INNAGE TABLE 10" HATCH GAUGE HEIGHT 17'-07"

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	3,530.69	0	3,889.68	0	4,248.09	0	4,606.03	0	4,962.78	0		0		0		0		0	
1/4	3,538.17	1/4	3,897.16	1/4	4,255.55	1/4	4,613.49	1/4	4,970.16	1/4		1/4		1/4		1/4		1/4	
1/2	3,545.65	1/2	3,904.64	1/2	4,263.01	1/2	4,620.95	1/2	4,977.54	1/2		1/2		1/2		1/2		1/2	
3/4	3,553.13	3/4	3,912.12	3/4	4,270.46	3/4	4,628.40	3/4	4,984.92	3/4		3/4		3/4		3/4		3/4	
1	3,560.61	1	3,919.60	1	4,277.92	1	4,635.86	1	4,992.31	1		1		1		1		1	
1/4	3,568.09	1/4	3,927.07	1/4	4,285.38	1/4	4,643.32	1/4	4,999.65	1/4		1/4		1/4		1/4		1/4	
1/2	3,575.57	1/2	3,934.55	1/2	4,292.83	1/2	4,650.77	1/2	5,007.00	1/2		1/2		1/2		1/2		1/2	
3/4	3,583.05	3/4	3,942.03	3/4	4,300.29	3/4	4,658.23	3/4	5,014.35	3/4		3/4		3/4		3/4		3/4	
2	3,590.52	2	3,949.51	2	4,307.75	2	4,665.69	2	5,021.70	2		2		2		2		2	
1/4	3,598.00	1/4	3,956.99	1/4	4,315.20	1/4	4,673.15	1/4	5,028.59	1/4		1/4		1/4		1/4		1/4	
1/2	3,605.48	1/2	3,964.47	1/2	4,322.66	1/2	4,680.60	1/2	5,035.48	1/2		1/2		1/2		1/2		1/2	
3/4	3,612.96	3/4	3,971.95	3/4	4,330.12	3/4	4,688.06	3/4	5,042.36	3/4		3/4		3/4		3/4		3/4	
3	3,620.44	3	3,979.43	3	4,337.58	3	4,695.52	3	5,049.25	3		3		3		3		3	
1/4	3,627.92	1/4	3,986.91	1/4	4,345.03	1/4	4,702.97	1/4	5,055.08	1/4		1/4		1/4		1/4		1/4	
1/2	3,635.40	1/2	3,994.38	1/2	4,352.49	1/2	4,710.43	1/2	5,060.92	1/2		1/2		1/2		1/2		1/2	
3/4	3,642.88	3/4	4,001.86	3/4	4,359.95	3/4	4,717.89	3/4	5,066.75	3/4		3/4		3/4		3/4		3/4	
4	3,650.36	4	4,009.34	4	4,367.40	4	4,725.35	4	5,072.58	4		4		4		4		4	
1/4	3,657.83	1/4	4,016.82	1/4	4,374.86	1/4	4,732.80	1/4	5,077.17	1/4		1/4		1/4		1/4		1/4	
1/2	3,665.31	1/2	4,024.30	1/2	4,382.32	1/2	4,740.26	1/2	5,081.76	1/2		1/2		1/2		1/2		1/2	
3/4	3,672.79	3/4	4,031.78	3/4	4,389.78	3/4	4,747.72	3/4	5,086.34	3/4		3/4		3/4		3/4		3/4	
5	3,680.27	5	4,039.26	5	4,397.23	5	4,755.17	5	5,090.93	5		5		5		5		5	
1/4	3,687.75	1/4	4,046.72	1/4	4,404.69	1/4	4,762.63	1/4	5,094.27	1/4		1/4		1/4		1/4		1/4	
1/2	3,695.23	1/2	4,054.19	1/2	4,412.15	1/2	4,770.09	1/2	5,097.61	1/2		1/2		1/2		1/2		1/2	
3/4	3,702.71	3/4	4,061.65	3/4	4,419.60	3/4	4,777.54	3/4	5,100.95	3/4		3/4		3/4		3/4		3/4	
6	3,710.19	6	4,069.12	6	4,427.06	6	4,785.00	6	5,104.29	6		6		6		6		6	
1/4	3,717.67	1/4	4,076.58	1/4	4,434.52	1/4	4,792.46	1/4	5,106.38	1/4		1/4		1/4		1/4		1/4	
1/2	3,725.14	1/2	4,084.03	1/2	4,441.98	1/2	4,799.92	1/2	5,108.47	1/2		1/2		1/2		1/2		1/2	
3/4	3,732.62	3/4	4,091.49	3/4	4,449.43	3/4	4,807.37	3/4	5,110.57	3/4		3/4		3/4		3/4		3/4	
7	3,740.10	7	4,098.95	7	4,456.89	7	4,814.83	7	5,112.66	7		7		7		7		7	
1/4	3,747.58	1/4	4,106.41	1/4	4,464.35	1/4	4,822.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,755.06	1/2	4,113.86	1/2	4,471.80	1/2	4,829.68	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,762.54	3/4	4,121.32	3/4	4,479.26	3/4	4,837.11	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,770.02	8	4,128.78	8	4,486.72	8	4,844.53	8		8		8		8		8		8	
1/4	3,777.50	1/4	4,136.23	1/4	4,494.18	1/4	4,851.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,784.98	1/2	4,143.69	1/2	4,501.63	1/2	4,859.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,792.45	3/4	4,151.15	3/4	4,509.09	3/4	4,866.71	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,799.93	9	4,158.61	9	4,516.55	9	4,874.10	9		9		9		9		9		9	
1/4	3,807.41	1/4	4,166.06	1/4	4,524.00	1/4	4,881.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,814.89	1/2	4,173.52	1/2	4,531.46	1/2	4,888.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,822.37	3/4	4,180.98	3/4	4,538.92	3/4	4,896.27	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,829.85	10	4,188.43	10	4,546.37	10	4,903.66	10		10		10		10		10		10	
1/4	3,837.33	1/4	4,195.89	1/4	4,553.83	1/4	4,911.05	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,844.81	1/2	4,203.35	1/2	4,561.29	1/2	4,918.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,852.29	3/4	4,210.81	3/4	4,568.75	3/4	4,925.83	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,859.76	11	4,218.26	11	4,576.20	11	4,933.22	11		11		11		11		11		11	
1/4	3,867.24	1/4	4,225.72	1/4	4,583.66	1/4	4,940.61	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,874.72	1/2	4,233.18	1/2	4,591.12	1/2	4,948.00	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,882.20	3/4	4,240.63	3/4	4,598.57	3/4	4,955.39	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/28/2020 CL
CALCULATED: 10/29/2020 CL
PRINTED: 10/29/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "TMTB 109"

2 STBD

INNAGE TABLE

10" HATCH

GAUGE HEIGHT 17'-07"

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	2.24	0	314.25	0	673.21	0	1,031.86	0	1,390.63	0	1,749.59	0	2,108.55	0	2,467.50	0	2,826.41	0	3,185.27
1/4	4.10	1/4	321.73	1/4	680.69	1/4	1,039.32	1/4	1,398.11	1/4	1,757.06	1/4	2,116.02	1/4	2,474.98	1/4	2,833.89	1/4	3,192.74
1/2	5.97	1/2	329.21	1/2	688.17	1/2	1,046.78	1/2	1,405.58	1/2	1,764.54	1/2	2,123.50	1/2	2,482.46	1/2	2,841.36	1/2	3,200.22
3/4	7.84	3/4	336.69	3/4	695.65	3/4	1,054.25	3/4	1,413.06	3/4	1,772.02	3/4	2,130.98	3/4	2,489.94	3/4	2,848.84	3/4	3,207.70
1	9.71	1	344.17	1	703.13	1	1,061.71	1	1,420.54	1	1,779.50	1	2,138.46	1	2,497.42	1	2,856.32	1	3,215.17
1/4	13.45	1/4	351.65	1/4	710.60	1/4	1,069.18	1/4	1,428.02	1/4	1,786.98	1/4	2,145.94	1/4	2,504.89	1/4	2,863.79	1/4	3,222.65
1/2	17.19	1/2	359.12	1/2	718.08	1/2	1,076.64	1/2	1,435.50	1/2	1,794.46	1/2	2,153.41	1/2	2,512.37	1/2	2,871.27	1/2	3,230.13
3/4	20.93	3/4	366.60	3/4	725.56	3/4	1,084.10	3/4	1,442.98	3/4	1,801.93	3/4	2,160.89	3/4	2,519.85	3/4	2,878.74	3/4	3,237.60
2	24.67	2	374.08	2	733.04	2	1,091.57	2	1,450.45	2	1,809.41	2	2,168.37	2	2,527.33	2	2,886.22	2	3,245.08
1/4	30.28	1/4	381.56	1/4	740.52	1/4	1,099.04	1/4	1,457.93	1/4	1,816.89	1/4	2,175.85	1/4	2,534.81	1/4	2,893.70	1/4	3,252.55
1/2	35.88	1/2	389.04	1/2	748.00	1/2	1,106.51	1/2	1,465.41	1/2	1,824.37	1/2	2,183.33	1/2	2,542.29	1/2	2,901.17	1/2	3,260.03
3/4	41.49	3/4	396.52	3/4	755.47	3/4	1,113.97	3/4	1,472.89	3/4	1,831.85	3/4	2,190.81	3/4	2,549.76	3/4	2,908.65	3/4	3,267.51
3	47.10	3	403.99	3	762.95	3	1,121.44	3	1,480.37	3	1,839.33	3	2,198.28	3	2,557.24	3	2,916.13	3	3,274.98
1/4	54.09	1/4	411.47	1/4	770.43	1/4	1,128.92	1/4	1,487.85	1/4	1,846.80	1/4	2,205.76	1/4	2,564.72	1/4	2,923.60	1/4	3,282.46
1/2	61.08	1/2	418.95	1/2	777.91	1/2	1,136.39	1/2	1,495.32	1/2	1,854.28	1/2	2,213.24	1/2	2,572.20	1/2	2,931.08	1/2	3,289.94
3/4	68.08	3/4	426.43	3/4	785.39	3/4	1,143.86	3/4	1,502.80	3/4	1,861.76	3/4	2,220.72	3/4	2,579.68	3/4	2,938.55	3/4	3,297.41
4	75.07	4	433.91	4	792.86	4	1,151.33	4	1,510.28	4	1,869.24	4	2,228.20	4	2,587.16	4	2,946.03	4	3,304.89
1/4	82.52	1/4	441.38	1/4	800.34	1/4	1,158.81	1/4	1,517.76	1/4	1,876.72	1/4	2,235.68	1/4	2,594.63	1/4	2,953.51	1/4	3,312.36
1/2	89.98	1/2	448.86	1/2	807.82	1/2	1,166.28	1/2	1,525.24	1/2	1,884.20	1/2	2,243.15	1/2	2,602.11	1/2	2,960.98	1/2	3,319.84
3/4	97.43	3/4	456.34	3/4	815.30	3/4	1,173.76	3/4	1,532.72	3/4	1,891.67	3/4	2,250.63	3/4	2,609.59	3/4	2,968.46	3/4	3,327.32
5	104.89	5	463.82	5	822.78	5	1,181.24	5	1,540.19	5	1,899.15	5	2,258.11	5	2,617.07	5	2,975.93	5	3,334.79
1/4	112.36	1/4	471.30	1/4	830.26	1/4	1,188.71	1/4	1,547.67	1/4	1,906.63	1/4	2,265.59	1/4	2,624.55	1/4	2,983.41	1/4	3,342.27
1/2	119.83	1/2	478.78	1/2	837.73	1/2	1,196.19	1/2	1,555.15	1/2	1,914.11	1/2	2,273.07	1/2	2,632.03	1/2	2,990.89	1/2	3,349.74
3/4	127.31	3/4	486.25	3/4	845.21	3/4	1,203.67	3/4	1,562.63	3/4	1,921.59	3/4	2,280.55	3/4	2,639.50	3/4	2,998.36	3/4	3,357.22
6	134.78	6	493.73	6	852.69	6	1,211.15	6	1,570.11	6	1,929.07	6	2,288.02	6	2,646.98	6	3,005.84	6	3,364.70
1/4	142.26	1/4	501.21	1/4	860.16	1/4	1,218.63	1/4	1,577.59	1/4	1,936.54	1/4	2,295.50	1/4	2,654.46	1/4	3,013.32	1/4	3,372.17
1/2	149.73	1/2	508.69	1/2	867.63	1/2	1,226.11	1/2	1,585.06	1/2	1,944.02	1/2	2,302.98	1/2	2,661.93	1/2	3,020.79	1/2	3,379.65
3/4	157.21	3/4	516.17	3/4	875.10	3/4	1,233.58	3/4	1,592.54	3/4	1,951.50	3/4	2,310.46	3/4	2,669.41	3/4	3,028.27	3/4	3,387.13
7	164.69	7	523.65	7	882.57	7	1,241.06	7	1,600.02	7	1,958.98	7	2,317.94	7	2,676.89	7	3,035.74	7	3,394.60
1/4	172.17	1/4	531.12	1/4	890.04	1/4	1,248.54	1/4	1,607.50	1/4	1,966.46	1/4	2,325.42	1/4	2,684.36	1/4	3,043.22	1/4	3,402.08
1/2	179.64	1/2	538.60	1/2	897.50	1/2	1,256.02	1/2	1,614.98	1/2	1,973.94	1/2	2,332.89	1/2	2,691.84	1/2	3,050.70	1/2	3,409.55
3/4	187.12	3/4	546.08	3/4	904.97	3/4	1,263.50	3/4	1,622.46	3/4	1,981.41	3/4	2,340.37	3/4	2,699.32	3/4	3,058.17	3/4	3,417.03
8	194.60	8	553.56	8	912.43	8	1,270.98	8	1,629.93	8	1,988.89	8	2,347.85	8	2,706.79	8	3,065.65	8	3,424.51
1/4	202.08	1/4	561.04	1/4	919.89	1/4	1,278.45	1/4	1,637.41	1/4	1,996.37	1/4	2,355.33	1/4	2,714.27	1/4	3,073.13	1/4	3,431.98
1/2	209.56	1/2	568.52	1/2	927.36	1/2	1,285.93	1/2	1,644.89	1/2	2,003.85	1/2	2,362.81	1/2	2,721.74	1/2	3,080.60	1/2	3,439.46
3/4	217.04	3/4	575.99	3/4	934.82	3/4	1,293.41	3/4	1,652.37	3/4	2,011.33	3/4	2,370.29	3/4	2,729.22	3/4	3,088.08	3/4	3,446.94
9	224.51	9	583.47	9	942.29	9	1,300.89	9	1,659.85	9	2,018.81	9	2,377.76	9	2,736.70	9	3,095.55	9	3,454.41
1/4	231.99	1/4	590.95	1/4	949.75	1/4	1,308.37	1/4	1,667.33	1/4	2,026.28	1/4	2,385.24	1/4	2,744.17	1/4	3,103.03	1/4	3,461.89
1/2	239.47	1/2	598.43	1/2	957.22	1/2	1,315.85	1/2	1,674.80	1/2	2,033.76	1/2	2,392.72	1/2	2,751.65	1/2	3,110.51	1/2	3,469.36
3/4	246.95	3/4	605.91	3/4	964.68	3/4	1,323.32	3/4	1,682.28	3/4	2,041.24	3/4	2,400.20	3/4	2,759.12	3/4	3,117.98	3/4	3,476.84
10	254.43	10	613.39	10	972.14	10	1,330.80	10	1,689.76	10	2,048.72	10	2,407.68	10	2,766.60	10	3,125.46	10	3,484.32
1/4	261.91	1/4	620.86	1/4	979.61	1/4	1,338.28	1/4	1,697.24	1/4	2,056.20	1/4	2,415.16	1/4	2,774.08	1/4	3,132.93	1/4	3,491.79
1/2	269.38	1/2	628.34	1/2	987.07	1/2	1,345.76	1/2	1,704.72	1/2	2,063.68	1/2	2,422.63	1/2	2,781.55	1/2	3,140.41	1/2	3,499.27
3/4	276.86	3/4	635.82	3/4	994.54	3/4	1,353.24	3/4	1,712.20	3/4	2,071.15	3/4	2,430.11	3/4	2,789.03	3/4	3,147.89	3/4	3,506.74
11	284.34	11	643.30	11	1,002.00	11	1,360.72	11	1,719.67	11	2,078.63	11	2,437.59	11	2,796.51	11	3,155.36	11	3,514.22
1/4	291.82	1/4	650.78	1/4	1,009.46	1/4	1,368.19	1/4	1,727.15	1/4	2,086.11	1/4	2,445.07	1/4	2,803.98	1/4	3,162.84	1/4	3,521.70
1/2	299.30	1/2	658.26	1/2	1,016.93	1/2	1,375.67	1/2	1,734.63	1/2	2,093.59	1/2	2,452.55	1/2	2,811.46	1/2	3,170.32	1/2	3,529.17
3/4	306.78	3/4	665.73	3/4	1,024.39	3/4	1,383.15	3/4	1,742.11	3/4	2,101.07	3/4	2,460.03	3/4	2,818.93	3/4	3,177.79	3/4	3,536.65

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 INNAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.

GAUGE POINT: (10" HATCH) LOCATED 3'-00" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "TMTB 109"

2 STBD

INNAGE TABLE

10" HATCH

GAUGE HEIGHT 17'-07"

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	3,544.13	0	3,902.98	0	4,261.27	0	4,619.08	0	4,975.58	0		0		0		0		0	
1/4	3,551.60	1/4	3,910.46	1/4	4,268.73	1/4	4,626.54	1/4	4,982.96	1/4		1/4		1/4		1/4		1/4	
1/2	3,559.08	1/2	3,917.94	1/2	4,276.18	1/2	4,633.99	1/2	4,990.33	1/2		1/2		1/2		1/2		1/2	
3/4	3,566.55	3/4	3,925.41	3/4	4,283.63	3/4	4,641.45	3/4	4,997.71	3/4		3/4		3/4		3/4		3/4	
1	3,574.03	1	3,932.89	1	4,291.09	1	4,648.90	1	5,005.08	1		1		1		1		1	
1/4	3,581.51	1/4	3,940.36	1/4	4,298.54	1/4	4,656.35	1/4	5,012.42	1/4		1/4		1/4		1/4		1/4	
1/2	3,588.98	1/2	3,947.84	1/2	4,306.00	1/2	4,663.81	1/2	5,019.76	1/2		1/2		1/2		1/2		1/2	
3/4	3,596.46	3/4	3,955.32	3/4	4,313.45	3/4	4,671.26	3/4	5,027.10	3/4		3/4		3/4		3/4		3/4	
2	3,603.94	2	3,962.79	2	4,320.91	2	4,678.72	2	5,034.44	2		2		2		2		2	
1/4	3,611.41	1/4	3,970.27	1/4	4,328.36	1/4	4,686.17	1/4	5,041.32	1/4		1/4		1/4		1/4		1/4	
1/2	3,618.89	1/2	3,977.75	1/2	4,335.81	1/2	4,693.63	1/2	5,048.20	1/2		1/2		1/2		1/2		1/2	
3/4	3,626.36	3/4	3,985.22	3/4	4,343.27	3/4	4,701.08	3/4	5,055.08	3/4		3/4		3/4		3/4		3/4	
3	3,633.84	3	3,992.70	3	4,350.72	3	4,708.53	3	5,061.96	3		3		3		3		3	
1/4	3,641.32	1/4	4,000.17	1/4	4,358.18	1/4	4,715.99	1/4	5,067.79	1/4		1/4		1/4		1/4		1/4	
1/2	3,648.79	1/2	4,007.65	1/2	4,365.63	1/2	4,723.44	1/2	5,073.61	1/2		1/2		1/2		1/2		1/2	
3/4	3,656.27	3/4	4,015.13	3/4	4,373.09	3/4	4,730.90	3/4	5,079.44	3/4		3/4		3/4		3/4		3/4	
4	3,663.75	4	4,022.60	4	4,380.54	4	4,738.35	4	5,085.26	4		4		4		4		4	
1/4	3,671.22	1/4	4,030.08	1/4	4,388.00	1/4	4,745.81	1/4	5,089.84	1/4		1/4		1/4		1/4		1/4	
1/2	3,678.70	1/2	4,037.56	1/2	4,395.45	1/2	4,753.26	1/2	5,094.42	1/2		1/2		1/2		1/2		1/2	
3/4	3,686.17	3/4	4,045.03	3/4	4,402.90	3/4	4,760.72	3/4	5,099.00	3/4		3/4		3/4		3/4		3/4	
5	3,693.65	5	4,052.51	5	4,410.36	5	4,768.17	5	5,103.58	5		5		5		5		5	
1/4	3,701.13	1/4	4,059.97	1/4	4,417.81	1/4	4,775.62	1/4	5,106.91	1/4		1/4		1/4		1/4		1/4	
1/2	3,708.60	1/2	4,067.44	1/2	4,425.27	1/2	4,783.08	1/2	5,110.24	1/2		1/2		1/2		1/2		1/2	
3/4	3,716.08	3/4	4,074.90	3/4	4,432.72	3/4	4,790.53	3/4	5,113.57	3/4		3/4		3/4		3/4		3/4	
6	3,723.55	6	4,082.37	6	4,440.18	6	4,797.99	6	5,116.90	6		6		6		6		6	
1/4	3,731.03	1/4	4,089.82	1/4	4,447.63	1/4	4,805.44	1/4	5,118.99	1/4		1/4		1/4		1/4		1/4	
1/2	3,738.51	1/2	4,097.27	1/2	4,455.09	1/2	4,812.90	1/2	5,121.08	1/2		1/2		1/2		1/2		1/2	
3/4	3,745.98	3/4	4,104.73	3/4	4,462.54	3/4	4,820.35	3/4	5,123.16	3/4		3/4		3/4		3/4		3/4	
7	3,753.46	7	4,112.18	7	4,469.99	7	4,827.80	7	5,125.25	7		7		7		7		7	
1/4	3,760.94	1/4	4,119.64	1/4	4,477.45	1/4	4,835.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,768.41	1/2	4,127.09	1/2	4,484.90	1/2	4,842.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,775.89	3/4	4,134.55	3/4	4,492.36	3/4	4,850.06	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,783.36	8	4,142.00	8	4,499.81	8	4,857.48	8		8		8		8		8		8	
1/4	3,790.84	1/4	4,149.45	1/4	4,507.27	1/4	4,864.86	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,798.32	1/2	4,156.91	1/2	4,514.72	1/2	4,872.24	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,805.79	3/4	4,164.36	3/4	4,522.17	3/4	4,879.62	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,813.27	9	4,171.82	9	4,529.63	9	4,887.01	9		9		9		9		9		9	
1/4	3,820.75	1/4	4,179.27	1/4	4,537.08	1/4	4,894.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,828.22	1/2	4,186.73	1/2	4,544.54	1/2	4,901.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,835.70	3/4	4,194.18	3/4	4,551.99	3/4	4,909.15	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,843.17	10	4,201.64	10	4,559.45	10	4,916.53	10		10		10		10		10		10	
1/4	3,850.65	1/4	4,209.09	1/4	4,566.90	1/4	4,923.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,858.13	1/2	4,216.54	1/2	4,574.36	1/2	4,931.29	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,865.60	3/4	4,224.00	3/4	4,581.81	3/4	4,938.67	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,873.08	11	4,231.45	11	4,589.26	11	4,946.06	11		11		11		11		11		11	
1/4	3,880.55	1/4	4,238.91	1/4	4,596.72	1/4	4,953.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,888.03	1/2	4,246.36	1/2	4,604.17	1/2	4,960.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,895.51	3/4	4,253.82	3/4	4,611.63	3/4	4,968.20	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/28/2020 CL
CALCULATED: 10/29/2020 CL
PRINTED: 10/29/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

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

P. Mac



BARGE "TMTB 109"

3 PORT INNAGE TABLE

10" HATCH
GAUGE HEIGHT 17'-07 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	2.23	0	313.07	0	670.13	0	1,019.33	0	1,370.66	0	1,727.49	0	2,083.52	0	2,440.25	0	2,796.72	0	3,153.17
1/4	4.09	1/4	320.51	1/4	677.57	1/4	1,026.48	1/4	1,378.09	1/4	1,734.91	1/4	2,090.94	1/4	2,447.68	1/4	2,804.15	1/4	3,160.59
1/2	5.95	1/2	327.94	1/2	685.01	1/2	1,033.62	1/2	1,385.52	1/2	1,742.34	1/2	2,098.36	1/2	2,455.10	1/2	2,811.57	1/2	3,168.02
3/4	7.82	3/4	335.38	3/4	692.45	3/4	1,040.76	3/4	1,392.96	3/4	1,749.76	3/4	2,105.78	3/4	2,462.53	3/4	2,819.00	3/4	3,175.44
1	9.68	1	342.82	1	699.89	1	1,047.90	1	1,400.39	1	1,757.19	1	2,113.20	1	2,469.96	1	2,826.43	1	3,182.87
1/4	13.40	1/4	350.26	1/4	707.33	1/4	1,055.05	1/4	1,407.83	1/4	1,764.61	1/4	2,120.63	1/4	2,477.38	1/4	2,833.85	1/4	3,190.28
1/2	17.13	1/2	357.70	1/2	714.77	1/2	1,062.19	1/2	1,415.26	1/2	1,772.02	1/2	2,128.06	1/2	2,484.81	1/2	2,841.28	1/2	3,197.69
3/4	20.85	3/4	365.14	3/4	722.21	3/4	1,069.33	3/4	1,422.69	3/4	1,779.44	3/4	2,135.49	3/4	2,492.24	3/4	2,848.70	3/4	3,205.10
2	24.58	2	372.58	2	729.65	2	1,076.47	2	1,430.13	2	1,786.86	2	2,142.92	2	2,499.67	2	2,856.13	2	3,212.51
1/4	30.17	1/4	380.02	1/4	737.08	1/4	1,083.65	1/4	1,437.56	1/4	1,794.28	1/4	2,150.35	1/4	2,507.09	1/4	2,863.56	1/4	3,219.91
1/2	35.75	1/2	387.46	1/2	744.52	1/2	1,090.83	1/2	1,445.00	1/2	1,801.69	1/2	2,157.78	1/2	2,514.52	1/2	2,870.98	1/2	3,227.31
3/4	41.34	3/4	394.90	3/4	751.96	3/4	1,098.01	3/4	1,452.43	3/4	1,809.11	3/4	2,165.21	3/4	2,521.95	3/4	2,878.41	3/4	3,234.71
3	46.93	3	402.33	3	759.40	3	1,105.19	3	1,459.86	3	1,816.53	3	2,172.64	3	2,529.37	3	2,885.83	3	3,242.10
1/4	53.89	1/4	409.77	1/4	766.84	1/4	1,112.40	1/4	1,467.30	1/4	1,823.95	1/4	2,180.08	1/4	2,536.80	1/4	2,893.26	1/4	3,249.50
1/2	60.86	1/2	417.21	1/2	774.28	1/2	1,119.61	1/2	1,474.73	1/2	1,831.37	1/2	2,187.51	1/2	2,544.23	1/2	2,900.69	1/2	3,256.90
3/4	67.83	3/4	424.65	3/4	781.72	3/4	1,126.83	3/4	1,482.17	3/4	1,838.78	3/4	2,194.94	3/4	2,551.65	3/4	2,908.11	3/4	3,264.30
4	74.79	4	432.09	4	789.16	4	1,134.04	4	1,489.60	4	1,846.20	4	2,202.37	4	2,559.08	4	2,915.54	4	3,271.69
1/4	82.22	1/4	439.53	1/4	796.56	1/4	1,141.26	1/4	1,497.03	1/4	1,853.62	1/4	2,209.80	1/4	2,566.51	1/4	2,922.96	1/4	3,279.09
1/2	89.65	1/2	446.97	1/2	803.97	1/2	1,148.48	1/2	1,504.47	1/2	1,861.04	1/2	2,217.23	1/2	2,573.94	1/2	2,930.39	1/2	3,286.49
3/4	97.07	3/4	454.41	3/4	811.38	3/4	1,155.70	3/4	1,511.90	3/4	1,868.45	3/4	2,224.66	3/4	2,581.36	3/4	2,937.81	3/4	3,293.89
5	104.50	5	461.85	5	818.79	5	1,162.92	5	1,519.34	5	1,875.87	5	2,232.09	5	2,588.79	5	2,945.24	5	3,301.28
1/4	111.95	1/4	469.28	1/4	826.06	1/4	1,170.25	1/4	1,526.77	1/4	1,883.29	1/4	2,239.52	1/4	2,596.22	1/4	2,952.67	1/4	3,308.68
1/2	119.39	1/2	476.72	1/2	833.33	1/2	1,177.58	1/2	1,534.20	1/2	1,890.71	1/2	2,246.95	1/2	2,603.64	1/2	2,960.09	1/2	3,316.08
3/4	126.83	3/4	484.16	3/4	840.60	3/4	1,184.91	3/4	1,541.64	3/4	1,898.12	3/4	2,254.38	3/4	2,611.07	3/4	2,967.52	3/4	3,323.48
6	134.28	6	491.60	6	847.87	6	1,192.24	6	1,549.07	6	1,905.54	6	2,261.81	6	2,618.50	6	2,974.94	6	3,330.87
1/4	141.73	1/4	499.04	1/4	855.02	1/4	1,199.67	1/4	1,556.51	1/4	1,912.96	1/4	2,269.24	1/4	2,625.93	1/4	2,982.37	1/4	3,338.27
1/2	149.18	1/2	506.48	1/2	862.18	1/2	1,207.11	1/2	1,563.94	1/2	1,920.38	1/2	2,276.68	1/2	2,633.35	1/2	2,989.80	1/2	3,345.66
3/4	156.63	3/4	513.92	3/4	869.33	3/4	1,214.54	3/4	1,571.37	3/4	1,927.79	3/4	2,284.11	3/4	2,640.78	3/4	2,997.22	3/4	3,353.06
7	164.08	7	521.36	7	876.48	7	1,221.98	7	1,578.81	7	1,935.21	7	2,291.54	7	2,648.20	7	3,004.65	7	3,360.45
1/4	171.53	1/4	528.80	1/4	883.63	1/4	1,229.41	1/4	1,586.24	1/4	1,942.63	1/4	2,298.98	1/4	2,655.63	1/4	3,012.07	1/4	3,367.84
1/2	178.98	1/2	536.23	1/2	890.77	1/2	1,236.84	1/2	1,593.68	1/2	1,950.05	1/2	2,306.42	1/2	2,663.06	1/2	3,019.50	1/2	3,375.23
3/4	186.43	3/4	543.67	3/4	897.91	3/4	1,244.28	3/4	1,601.11	3/4	1,957.46	3/4	2,313.85	3/4	2,670.48	3/4	3,026.93	3/4	3,382.62
8	193.88	8	551.11	8	905.05	8	1,251.71	8	1,608.54	8	1,964.88	8	2,321.29	8	2,677.91	8	3,034.35	8	3,390.01
1/4	201.33	1/4	558.55	1/4	912.20	1/4	1,259.15	1/4	1,615.98	1/4	1,972.30	1/4	2,328.72	1/4	2,685.33	1/4	3,041.78	1/4	3,397.28
1/2	208.78	1/2	565.99	1/2	919.34	1/2	1,266.58	1/2	1,623.41	1/2	1,979.72	1/2	2,336.16	1/2	2,692.76	1/2	3,049.20	1/2	3,404.55
3/4	216.23	3/4	573.43	3/4	926.48	3/4	1,274.01	3/4	1,630.85	3/4	1,987.13	3/4	2,343.60	3/4	2,700.19	3/4	3,056.63	3/4	3,411.82
9	223.68	9	580.87	9	933.62	9	1,281.45	9	1,638.28	9	1,994.55	9	2,351.03	9	2,707.61	9	3,064.06	9	3,419.09
1/4	231.13	1/4	588.31	1/4	940.77	1/4	1,288.88	1/4	1,645.71	1/4	2,001.97	1/4	2,358.47	1/4	2,715.04	1/4	3,071.48	1/4	3,426.01
1/2	238.58	1/2	595.75	1/2	947.91	1/2	1,296.32	1/2	1,653.15	1/2	2,009.39	1/2	2,365.90	1/2	2,722.46	1/2	3,078.91	1/2	3,432.93
3/4	246.03	3/4	603.18	3/4	955.05	3/4	1,303.75	3/4	1,660.58	3/4	2,016.81	3/4	2,373.34	3/4	2,729.89	3/4	3,086.33	3/4	3,439.84
10	253.49	10	610.62	10	962.19	10	1,311.18	10	1,668.02	10	2,024.22	10	2,380.78	10	2,737.32	10	3,093.76	10	3,446.76
1/4	260.94	1/4	618.06	1/4	969.34	1/4	1,318.62	1/4	1,675.45	1/4	2,031.64	1/4	2,388.21	1/4	2,744.74	1/4	3,101.18	1/4	3,453.20
1/2	268.39	1/2	625.50	1/2	976.48	1/2	1,326.05	1/2	1,682.88	1/2	2,039.05	1/2	2,395.65	1/2	2,752.17	1/2	3,108.61	1/2	3,459.64
3/4	275.84	3/4	632.94	3/4	983.62	3/4	1,333.49	3/4	1,690.32	3/4	2,046.46	3/4	2,403.09	3/4	2,759.59	3/4	3,116.04	3/4	3,466.08
11	283.29	11	640.38	11	990.76	11	1,340.92	11	1,697.75	11	2,053.88	11	2,410.52	11	2,767.02	11	3,123.46	11	3,472.52
1/4	290.73	1/4	647.82	1/4	997.91	1/4	1,348.35	1/4	1,705.19	1/4	2,061.29	1/4	2,417.95	1/4	2,774.45	1/4	3,130.89	1/4	3,478.49
1/2	298.18	1/2	655.26	1/2	1,005.05	1/2	1,355.79	1/2	1,712.62	1/2	2,068.70	1/2	2,425.38	1/2	2,781.87	1/2	3,138.31	1/2	3,484.46
3/4	305.62	3/4	662.70	3/4	1,012.19	3/4	1,363.22	3/4	1,720.05	3/4	2,076.11	3/4	2,432.82	3/4	2,789.30	3/4	3,145.74	3/4	3,490.43

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 INNAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.

GAUGE POINT: (10" HATCH) LOCATED 3'-00" OFF CENTERLINE AND 82'-09" 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 109"

3 PORT INNAGE TABLE 10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-07 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,496.40	0	3,721.93	0	3,941.13	0	4,160.05	0	4,378.17	0		0		0		0		0	
1/4	3,501.89	1/4	3,726.51	1/4	3,945.69	1/4	4,164.61	1/4	4,382.68	1/4		1/4		1/4		1/4		1/4	
1/2	3,507.39	1/2	3,731.08	1/2	3,950.25	1/2	4,169.17	1/2	4,387.20	1/2		1/2		1/2		1/2		1/2	
3/4	3,512.88	3/4	3,735.65	3/4	3,954.82	3/4	4,173.73	3/4	4,391.71	3/4		3/4		3/4		3/4		3/4	
1	3,518.38	1	3,740.23	1	3,959.38	1	4,178.29	1	4,396.22	1		1		1		1		1	
1/4	3,523.41	1/4	3,744.80	1/4	3,963.94	1/4	4,182.86	1/4	4,400.71	1/4		1/4		1/4		1/4		1/4	
1/2	3,528.44	1/2	3,749.37	1/2	3,968.50	1/2	4,187.42	1/2	4,405.20	1/2		1/2		1/2		1/2		1/2	
3/4	3,533.48	3/4	3,753.95	3/4	3,973.06	3/4	4,191.98	3/4	4,409.70	3/4		3/4		3/4		3/4		3/4	
2	3,538.51	2	3,758.52	2	3,977.62	2	4,196.54	2	4,414.19	2		2		2		2		2	
1/4	3,543.21	1/4	3,763.09	1/4	3,982.18	1/4	4,201.10	1/4	4,418.40	1/4		1/4		1/4		1/4		1/4	
1/2	3,547.90	1/2	3,767.67	1/2	3,986.74	1/2	4,205.66	1/2	4,422.60	1/2		1/2		1/2		1/2		1/2	
3/4	3,552.59	3/4	3,772.24	3/4	3,991.30	3/4	4,210.22	3/4	4,426.81	3/4		3/4		3/4		3/4		3/4	
3	3,557.29	3	3,776.81	3	3,995.86	3	4,214.78	3	4,431.02	3		3		3		3		3	
1/4	3,561.86	1/4	3,781.39	1/4	4,000.42	1/4	4,219.34	1/4	4,434.59	1/4		1/4		1/4		1/4		1/4	
1/2	3,566.43	1/2	3,785.96	1/2	4,004.98	1/2	4,223.90	1/2	4,438.15	1/2		1/2		1/2		1/2		1/2	
3/4	3,571.01	3/4	3,790.53	3/4	4,009.54	3/4	4,228.46	3/4	4,441.72	3/4		3/4		3/4		3/4		3/4	
4	3,575.58	4	3,795.11	4	4,014.11	4	4,233.02	4	4,445.28	4		4		4		4		4	
1/4	3,580.15	1/4	3,799.68	1/4	4,018.67	1/4	4,237.58	1/4	4,448.08	1/4		1/4		1/4		1/4		1/4	
1/2	3,584.73	1/2	3,804.25	1/2	4,023.23	1/2	4,242.15	1/2	4,450.88	1/2		1/2		1/2		1/2		1/2	
3/4	3,589.30	3/4	3,808.83	3/4	4,027.79	3/4	4,246.71	3/4	4,453.68	3/4		3/4		3/4		3/4		3/4	
5	3,593.87	5	3,813.40	5	4,032.35	5	4,251.27	5	4,456.48	5		5		5		5		5	
1/4	3,598.45	1/4	3,817.97	1/4	4,036.91	1/4	4,255.83	1/4	4,458.52	1/4		1/4		1/4		1/4		1/4	
1/2	3,603.02	1/2	3,822.54	1/2	4,041.47	1/2	4,260.39	1/2	4,460.56	1/2		1/2		1/2		1/2		1/2	
3/4	3,607.59	3/4	3,827.11	3/4	4,046.03	3/4	4,264.95	3/4	4,462.60	3/4		3/4		3/4		3/4		3/4	
6	3,612.17	6	3,831.67	6	4,050.59	6	4,269.51	6	4,464.64	6		6		6		6		6	
1/4	3,616.74	1/4	3,836.23	1/4	4,055.15	1/4	4,274.07	1/4	4,465.92	1/4		1/4		1/4		1/4		1/4	
1/2	3,621.31	1/2	3,840.80	1/2	4,059.71	1/2	4,278.63	1/2	4,467.19	1/2		1/2		1/2		1/2		1/2	
3/4	3,625.89	3/4	3,845.36	3/4	4,064.27	3/4	4,283.19	3/4	4,468.47	3/4		3/4		3/4		3/4		3/4	
7	3,630.46	7	3,849.92	7	4,068.84	7	4,287.75	7	4,469.75	7		7		7		7		7	
1/4	3,635.04	1/4	3,854.48	1/4	4,073.40	1/4	4,292.29	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,639.61	1/2	3,859.04	1/2	4,077.96	1/2	4,296.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,644.18	3/4	3,863.60	3/4	4,082.52	3/4	4,301.37	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,648.76	8	3,868.16	8	4,087.08	8	4,305.91	8		8		8		8		8		8	
1/4	3,653.33	1/4	3,872.72	1/4	4,091.64	1/4	4,310.43	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,657.90	1/2	3,877.28	1/2	4,096.20	1/2	4,314.94	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,662.48	3/4	3,881.84	3/4	4,100.76	3/4	4,319.46	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,667.05	9	3,886.40	9	4,105.32	9	4,323.98	9		9		9		9		9		9	
1/4	3,671.62	1/4	3,890.96	1/4	4,109.88	1/4	4,328.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,676.20	1/2	3,895.52	1/2	4,114.44	1/2	4,333.01	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,680.77	3/4	3,900.09	3/4	4,119.00	3/4	4,337.52	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,685.34	10	3,904.65	10	4,123.56	10	4,342.04	10		10		10		10		10		10	
1/4	3,689.92	1/4	3,909.21	1/4	4,128.13	1/4	4,346.56	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,694.49	1/2	3,913.77	1/2	4,132.69	1/2	4,351.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,699.06	3/4	3,918.33	3/4	4,137.25	3/4	4,355.59	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,703.64	11	3,922.89	11	4,141.81	11	4,360.10	11		11		11		11		11		11	
1/4	3,708.21	1/4	3,927.45	1/4	4,146.37	1/4	4,364.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,712.78	1/2	3,932.01	1/2	4,150.93	1/2	4,369.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,717.36	3/4	3,936.57	3/4	4,155.49	3/4	4,373.65	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/28/2020 CL
CALCULATED: 10/29/2020 CL
PRINTED: 10/29/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "TMTB 109"

3 STBD

INNAGE TABLE

10" HATCH

GAUGE HEIGHT 17'-07 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	2.23	0	312.98	0	670.48	0	1,027.67	0	1,385.00	0	1,742.51	0	2,100.02	0	2,457.51	0	2,814.56	0	3,171.58
1/4	4.09	1/4	320.43	1/4	677.93	1/4	1,035.11	1/4	1,392.44	1/4	1,749.96	1/4	2,107.47	1/4	2,464.95	1/4	2,822.00	1/4	3,179.02
1/2	5.95	1/2	327.88	1/2	685.37	1/2	1,042.54	1/2	1,399.89	1/2	1,757.41	1/2	2,114.92	1/2	2,472.39	1/2	2,829.44	1/2	3,186.46
3/4	7.81	3/4	335.32	3/4	692.82	3/4	1,049.97	3/4	1,407.34	3/4	1,764.85	3/4	2,122.37	3/4	2,479.83	3/4	2,836.88	3/4	3,193.90
1	9.68	1	342.77	1	700.27	1	1,057.41	1	1,414.79	1	1,772.30	1	2,129.82	1	2,487.27	1	2,844.32	1	3,201.34
1/4	13.40	1/4	350.22	1/4	707.72	1/4	1,064.84	1/4	1,422.24	1/4	1,779.75	1/4	2,137.26	1/4	2,494.71	1/4	2,851.75	1/4	3,208.76
1/2	17.12	1/2	357.67	1/2	715.17	1/2	1,072.28	1/2	1,429.69	1/2	1,787.20	1/2	2,144.71	1/2	2,502.15	1/2	2,859.19	1/2	3,216.18
3/4	20.85	3/4	365.11	3/4	722.61	3/4	1,079.71	3/4	1,437.13	3/4	1,794.65	3/4	2,152.16	3/4	2,509.59	3/4	2,866.63	3/4	3,223.61
2	24.57	2	372.56	2	730.06	2	1,087.14	2	1,444.58	2	1,802.10	2	2,159.61	2	2,517.03	2	2,874.07	2	3,231.03
1/4	30.16	1/4	380.01	1/4	737.51	1/4	1,094.58	1/4	1,452.03	1/4	1,809.54	1/4	2,167.06	1/4	2,524.47	1/4	2,881.51	1/4	3,238.44
1/2	35.74	1/2	387.46	1/2	744.96	1/2	1,102.02	1/2	1,459.48	1/2	1,816.99	1/2	2,174.51	1/2	2,531.90	1/2	2,888.94	1/2	3,245.85
3/4	41.33	3/4	394.91	3/4	752.41	3/4	1,109.46	3/4	1,466.93	3/4	1,824.44	3/4	2,181.95	3/4	2,539.34	3/4	2,896.38	3/4	3,253.26
3	46.91	3	402.35	3	759.85	3	1,116.90	3	1,474.37	3	1,831.89	3	2,189.40	3	2,546.78	3	2,903.82	3	3,260.67
1/4	53.88	1/4	409.80	1/4	767.30	1/4	1,124.34	1/4	1,481.82	1/4	1,839.34	1/4	2,196.85	1/4	2,554.22	1/4	2,911.26	1/4	3,268.08
1/2	60.84	1/2	417.25	1/2	774.75	1/2	1,131.78	1/2	1,489.27	1/2	1,846.78	1/2	2,204.30	1/2	2,561.66	1/2	2,918.70	1/2	3,275.49
3/4	67.80	3/4	424.70	3/4	782.20	3/4	1,139.22	3/4	1,496.72	3/4	1,854.23	3/4	2,211.75	3/4	2,569.10	3/4	2,926.13	3/4	3,282.90
4	74.77	4	432.15	4	789.65	4	1,146.67	4	1,504.17	4	1,861.68	4	2,219.19	4	2,576.54	4	2,933.57	4	3,290.31
1/4	82.19	1/4	439.59	1/4	797.09	1/4	1,154.11	1/4	1,511.62	1/4	1,869.13	1/4	2,226.64	1/4	2,583.98	1/4	2,941.01	1/4	3,297.71
1/2	89.62	1/2	447.04	1/2	804.54	1/2	1,161.56	1/2	1,519.06	1/2	1,876.58	1/2	2,234.09	1/2	2,591.42	1/2	2,948.45	1/2	3,305.12
3/4	97.04	3/4	454.49	3/4	811.99	3/4	1,169.00	3/4	1,526.51	3/4	1,884.03	3/4	2,241.54	3/4	2,598.86	3/4	2,955.88	3/4	3,312.53
5	104.46	5	461.94	5	819.44	5	1,176.45	5	1,533.96	5	1,891.47	5	2,248.99	5	2,606.30	5	2,963.32	5	3,319.94
1/4	111.91	1/4	469.39	1/4	826.88	1/4	1,183.89	1/4	1,541.41	1/4	1,898.92	1/4	2,256.44	1/4	2,613.73	1/4	2,970.76	1/4	3,327.35
1/2	119.35	1/2	476.83	1/2	834.33	1/2	1,191.34	1/2	1,548.86	1/2	1,906.37	1/2	2,263.88	1/2	2,621.17	1/2	2,978.20	1/2	3,334.76
3/4	126.79	3/4	484.28	3/4	841.78	3/4	1,198.79	3/4	1,556.30	3/4	1,913.82	3/4	2,271.33	3/4	2,628.61	3/4	2,985.64	3/4	3,342.17
6	134.23	6	491.73	6	849.23	6	1,206.24	6	1,563.75	6	1,921.27	6	2,278.78	6	2,636.05	6	2,993.07	6	3,349.58
1/4	141.68	1/4	499.18	1/4	856.67	1/4	1,213.69	1/4	1,571.20	1/4	1,928.71	1/4	2,286.23	1/4	2,643.49	1/4	3,000.51	1/4	3,356.99
1/2	149.13	1/2	506.62	1/2	864.11	1/2	1,221.14	1/2	1,578.65	1/2	1,936.16	1/2	2,293.68	1/2	2,650.93	1/2	3,007.95	1/2	3,364.40
3/4	156.57	3/4	514.07	3/4	871.55	3/4	1,228.58	3/4	1,586.10	3/4	1,943.61	3/4	2,301.12	3/4	2,658.37	3/4	3,015.39	3/4	3,371.80
7	164.02	7	521.52	7	879.00	7	1,236.03	7	1,593.55	7	1,951.06	7	2,308.57	7	2,665.81	7	3,022.83	7	3,379.21
1/4	171.47	1/4	528.97	1/4	886.43	1/4	1,243.48	1/4	1,600.99	1/4	1,958.51	1/4	2,316.02	1/4	2,673.24	1/4	3,030.26	1/4	3,386.61
1/2	178.92	1/2	536.42	1/2	893.86	1/2	1,250.93	1/2	1,608.44	1/2	1,965.96	1/2	2,323.47	1/2	2,680.68	1/2	3,037.70	1/2	3,394.01
3/4	186.37	3/4	543.86	3/4	901.30	3/4	1,258.38	3/4	1,615.89	3/4	1,973.40	3/4	2,330.92	3/4	2,688.12	3/4	3,045.14	3/4	3,401.41
8	193.81	8	551.31	8	908.73	8	1,265.83	8	1,623.34	8	1,980.85	8	2,338.37	8	2,695.56	8	3,052.58	8	3,408.81
1/4	201.26	1/4	558.76	1/4	916.17	1/4	1,273.27	1/4	1,630.79	1/4	1,988.30	1/4	2,345.81	1/4	2,703.00	1/4	3,060.02	1/4	3,416.10
1/2	208.71	1/2	566.21	1/2	923.60	1/2	1,280.72	1/2	1,638.24	1/2	1,995.75	1/2	2,353.26	1/2	2,710.43	1/2	3,067.45	1/2	3,423.38
3/4	216.16	3/4	573.66	3/4	931.03	3/4	1,288.17	3/4	1,645.68	3/4	2,003.20	3/4	2,360.71	3/4	2,717.87	3/4	3,074.89	3/4	3,430.66
9	223.60	9	581.10	9	938.47	9	1,295.62	9	1,653.13	9	2,010.65	9	2,368.16	9	2,725.31	9	3,082.33	9	3,437.94
1/4	231.05	1/4	588.55	1/4	945.90	1/4	1,303.07	1/4	1,660.58	1/4	2,018.09	1/4	2,375.61	1/4	2,732.75	1/4	3,089.77	1/4	3,444.87
1/2	238.50	1/2	596.00	1/2	953.33	1/2	1,310.51	1/2	1,668.03	1/2	2,025.54	1/2	2,383.06	1/2	2,740.19	1/2	3,097.20	1/2	3,451.80
3/4	245.95	3/4	603.45	3/4	960.77	3/4	1,317.96	3/4	1,675.48	3/4	2,032.99	3/4	2,390.50	3/4	2,747.62	3/4	3,104.64	3/4	3,458.73
10	253.40	10	610.90	10	968.20	10	1,325.41	10	1,682.92	10	2,040.44	10	2,397.95	10	2,755.06	10	3,112.08	10	3,465.66
1/4	260.84	1/4	618.34	1/4	975.64	1/4	1,332.86	1/4	1,690.37	1/4	2,047.89	1/4	2,405.40	1/4	2,762.50	1/4	3,119.52	1/4	3,472.12
1/2	268.29	1/2	625.79	1/2	983.07	1/2	1,340.31	1/2	1,697.82	1/2	2,055.33	1/2	2,412.85	1/2	2,769.94	1/2	3,126.96	1/2	3,478.57
3/4	275.74	3/4	633.24	3/4	990.50	3/4	1,347.76	3/4	1,705.27	3/4	2,062.78	3/4	2,420.30	3/4	2,777.38	3/4	3,134.39	3/4	3,485.02
11	283.19	11	640.69	11	997.94	11	1,355.20	11	1,712.72	11	2,070.23	11	2,427.74	11	2,784.81	11	3,141.83	11	3,491.47
1/4	290.64	1/4	648.13	1/4	1,005.37	1/4	1,362.65	1/4	1,720.17	1/4	2,077.68	1/4	2,435.19	1/4	2,792.25	1/4	3,149.27	1/4	3,497.44
1/2	298.08	1/2	655.58	1/2	1,012.80	1/2	1,370.10	1/2	1,727.61	1/2	2,085.13	1/2	2,442.63	1/2	2,799.69	1/2	3,156.71	1/2	3,503.42
3/4	305.53	3/4	663.03	3/4	1,020.24	3/4	1,377.55	3/4	1,735.06	3/4	2,092.58	3/4	2,450.07	3/4	2,807.13	3/4	3,164.15	3/4	3,509.39

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 INNAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.

GAUGE POINT: (10" HATCH) LOCATED 3'-00" OFF CENTERLINE AND 82'-09" 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 109"

3 STBD

INNAGE TABLE

10" HATCH

GAUGE HEIGHT 17'-07 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	3,515.36	0	3,740.85	0	3,960.01	0	4,178.89	0	4,396.96	0		0		0		0		0	
1/4	3,520.85	1/4	3,745.42	1/4	3,964.57	1/4	4,183.45	1/4	4,401.47	1/4		1/4		1/4		1/4		1/4	
1/2	3,526.35	1/2	3,750.00	1/2	3,969.13	1/2	4,188.01	1/2	4,405.98	1/2		1/2		1/2		1/2		1/2	
3/4	3,531.84	3/4	3,754.57	3/4	3,973.69	3/4	4,192.57	3/4	4,410.49	3/4		3/4		3/4		3/4		3/4	
1	3,537.33	1	3,759.14	1	3,978.25	1	4,197.13	1	4,415.00	1		1		1		1		1	
1/4	3,542.37	1/4	3,763.72	1/4	3,982.81	1/4	4,201.69	1/4	4,419.49	1/4		1/4		1/4		1/4		1/4	
1/2	3,547.40	1/2	3,768.29	1/2	3,987.37	1/2	4,206.25	1/2	4,423.98	1/2		1/2		1/2		1/2		1/2	
3/4	3,552.43	3/4	3,772.86	3/4	3,991.93	3/4	4,210.81	3/4	4,428.47	3/4		3/4		3/4		3/4		3/4	
2	3,557.47	2	3,777.43	2	3,996.49	2	4,215.37	2	4,432.96	2		2		2		2		2	
1/4	3,562.16	1/4	3,782.01	1/4	4,001.05	1/4	4,219.93	1/4	4,437.17	1/4		1/4		1/4		1/4		1/4	
1/2	3,566.85	1/2	3,786.58	1/2	4,005.61	1/2	4,224.49	1/2	4,441.38	1/2		1/2		1/2		1/2		1/2	
3/4	3,571.54	3/4	3,791.15	3/4	4,010.17	3/4	4,229.05	3/4	4,445.59	3/4		3/4		3/4		3/4		3/4	
3	3,576.23	3	3,795.72	3	4,014.73	3	4,233.61	3	4,449.79	3		3		3		3		3	
1/4	3,580.81	1/4	3,800.30	1/4	4,019.29	1/4	4,238.17	1/4	4,453.36	1/4		1/4		1/4		1/4		1/4	
1/2	3,585.38	1/2	3,804.87	1/2	4,023.85	1/2	4,242.73	1/2	4,456.92	1/2		1/2		1/2		1/2		1/2	
3/4	3,589.95	3/4	3,809.44	3/4	4,028.41	3/4	4,247.29	3/4	4,460.48	3/4		3/4		3/4		3/4		3/4	
4	3,594.53	4	3,814.02	4	4,032.97	4	4,251.85	4	4,464.05	4		4		4		4		4	
1/4	3,599.10	1/4	3,818.59	1/4	4,037.53	1/4	4,256.41	1/4	4,466.85	1/4		1/4		1/4		1/4		1/4	
1/2	3,603.67	1/2	3,823.16	1/2	4,042.09	1/2	4,260.97	1/2	4,469.65	1/2		1/2		1/2		1/2		1/2	
3/4	3,608.24	3/4	3,827.73	3/4	4,046.65	3/4	4,265.53	3/4	4,472.45	3/4		3/4		3/4		3/4		3/4	
5	3,612.82	5	3,832.31	5	4,051.21	5	4,270.09	5	4,475.25	5		5		5		5		5	
1/4	3,617.39	1/4	3,836.87	1/4	4,055.77	1/4	4,274.65	1/4	4,477.29	1/4		1/4		1/4		1/4		1/4	
1/2	3,621.96	1/2	3,841.44	1/2	4,060.33	1/2	4,279.21	1/2	4,479.33	1/2		1/2		1/2		1/2		1/2	
3/4	3,626.53	3/4	3,846.00	3/4	4,064.89	3/4	4,283.77	3/4	4,481.37	3/4		3/4		3/4		3/4		3/4	
6	3,631.11	6	3,850.57	6	4,069.45	6	4,288.33	6	4,483.40	6		6		6		6		6	
1/4	3,635.68	1/4	3,855.13	1/4	4,074.01	1/4	4,292.89	1/4	4,484.68	1/4		1/4		1/4		1/4		1/4	
1/2	3,640.25	1/2	3,859.69	1/2	4,078.57	1/2	4,297.45	1/2	4,485.96	1/2		1/2		1/2		1/2		1/2	
3/4	3,644.83	3/4	3,864.25	3/4	4,083.13	3/4	4,302.01	3/4	4,487.23	3/4		3/4		3/4		3/4		3/4	
7	3,649.40	7	3,868.81	7	4,087.69	7	4,306.57	7	4,488.51	7		7		7		7		7	
1/4	3,653.97	1/4	3,873.37	1/4	4,092.25	1/4	4,311.11	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,658.54	1/2	3,877.93	1/2	4,096.81	1/2	4,315.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,663.12	3/4	3,882.49	3/4	4,101.37	3/4	4,320.18	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,667.69	8	3,887.05	8	4,105.93	8	4,324.72	8		8		8		8		8		8	
1/4	3,672.26	1/4	3,891.61	1/4	4,110.49	1/4	4,329.23	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,676.83	1/2	3,896.17	1/2	4,115.05	1/2	4,333.75	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,681.41	3/4	3,900.73	3/4	4,119.61	3/4	4,338.26	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,685.98	9	3,905.29	9	4,124.17	9	4,342.78	9		9		9		9		9		9	
1/4	3,690.55	1/4	3,909.85	1/4	4,128.73	1/4	4,347.29	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,695.13	1/2	3,914.41	1/2	4,133.29	1/2	4,351.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,699.70	3/4	3,918.97	3/4	4,137.85	3/4	4,356.32	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,704.27	10	3,923.53	10	4,142.41	10	4,360.83	10		10		10		10		10		10	
1/4	3,708.84	1/4	3,928.09	1/4	4,146.97	1/4	4,365.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,713.42	1/2	3,932.65	1/2	4,151.53	1/2	4,369.87	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,717.99	3/4	3,937.21	3/4	4,156.09	3/4	4,374.38	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,722.56	11	3,941.77	11	4,160.65	11	4,378.90	11		11		11		11		11		11	
1/4	3,727.13	1/4	3,946.33	1/4	4,165.21	1/4	4,383.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,731.71	1/2	3,950.89	1/2	4,169.77	1/2	4,387.93	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,736.28	3/4	3,955.45	3/4	4,174.33	3/4	4,392.44	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/28/2020 CL
CALCULATED: 10/29/2020 CL
PRINTED: 10/29/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "TMTB 109"

INNAGE (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	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
1 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
2 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
2 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8
3 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
3 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
AFT DRAFT = 8'-00"
DIFF. = 6'-00" (DOWN BY STERN)

THE CORRECTION FOR 6'-00" TRIM DOWN BY STERN FOR 2 PORT IS 00-1/8"
FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 235'-09"

October 28, 2020

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

<http://www.pmacorp.net>



BARGE "TMTB 109"

1 PORT INNAGE TABLE

HERMETIC GAUGE HEIGHT 15'-09 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	15.28	0	303.59	0	652.99	0	1,009.17	0	1,366.52	0	1,724.56	0	2,082.59	0	2,440.63	0	2,798.61	0	3,156.54
1/4	18.33	1/4	310.48	1/4	660.45	1/4	1,016.57	1/4	1,373.98	1/4	1,732.02	1/4	2,090.05	1/4	2,448.09	1/4	2,806.06	1/4	3,163.99
1/2	21.37	1/2	317.37	1/2	667.91	1/2	1,023.97	1/2	1,381.44	1/2	1,739.48	1/2	2,097.51	1/2	2,455.55	1/2	2,813.52	1/2	3,171.45
3/4	24.41	3/4	324.26	3/4	675.37	3/4	1,031.37	3/4	1,388.90	3/4	1,746.93	3/4	2,104.97	3/4	2,463.01	3/4	2,820.98	3/4	3,178.91
1	27.45	1	331.15	1	682.83	1	1,038.77	1	1,396.36	1	1,754.39	1	2,112.43	1	2,470.47	1	2,828.43	1	3,186.36
1/4	32.45	1/4	338.12	1/4	690.29	1/4	1,046.18	1/4	1,403.82	1/4	1,761.85	1/4	2,119.89	1/4	2,477.93	1/4	2,835.89	1/4	3,193.82
1/2	37.44	1/2	345.10	1/2	697.75	1/2	1,053.59	1/2	1,411.27	1/2	1,769.31	1/2	2,127.35	1/2	2,485.39	1/2	2,843.35	1/2	3,201.28
3/4	42.43	3/4	352.08	3/4	705.21	3/4	1,061.00	3/4	1,418.73	3/4	1,776.77	3/4	2,134.81	3/4	2,492.84	3/4	2,850.80	3/4	3,208.74
2	47.43	2	359.06	2	712.66	2	1,068.41	2	1,426.19	2	1,784.23	2	2,142.27	2	2,500.30	2	2,858.26	2	3,216.19
1/4	53.41	1/4	366.12	1/4	720.12	1/4	1,075.84	1/4	1,433.65	1/4	1,791.69	1/4	2,149.73	1/4	2,507.76	1/4	2,865.72	1/4	3,223.65
1/2	59.39	1/2	373.19	1/2	727.58	1/2	1,083.26	1/2	1,441.11	1/2	1,799.15	1/2	2,157.18	1/2	2,515.22	1/2	2,873.17	1/2	3,231.11
3/4	65.36	3/4	380.25	3/4	735.04	3/4	1,090.69	3/4	1,448.57	3/4	1,806.61	3/4	2,164.64	3/4	2,522.68	3/4	2,880.63	3/4	3,238.56
3	71.34	3	387.32	3	742.50	3	1,098.12	3	1,456.03	3	1,814.07	3	2,172.10	3	2,530.14	3	2,888.09	3	3,246.02
1/4	77.43	1/4	394.47	1/4	749.96	1/4	1,105.55	1/4	1,463.49	1/4	1,821.53	1/4	2,179.56	1/4	2,537.60	1/4	2,895.55	1/4	3,253.48
1/2	83.53	1/2	401.62	1/2	757.42	1/2	1,112.97	1/2	1,470.95	1/2	1,828.98	1/2	2,187.02	1/2	2,545.06	1/2	2,903.00	1/2	3,260.93
3/4	89.62	3/4	408.77	3/4	764.88	3/4	1,120.40	3/4	1,478.41	3/4	1,836.44	3/4	2,194.48	3/4	2,552.52	3/4	2,910.46	3/4	3,268.39
4	95.71	4	415.93	4	772.34	4	1,127.83	4	1,485.87	4	1,843.90	4	2,201.94	4	2,559.98	4	2,917.92	4	3,275.85
1/4	101.90	1/4	423.17	1/4	779.74	1/4	1,135.29	1/4	1,493.32	1/4	1,851.36	1/4	2,209.40	1/4	2,567.44	1/4	2,925.37	1/4	3,283.30
1/2	108.09	1/2	430.41	1/2	787.15	1/2	1,142.75	1/2	1,500.78	1/2	1,858.82	1/2	2,216.86	1/2	2,574.89	1/2	2,932.83	1/2	3,290.76
3/4	114.28	3/4	437.65	3/4	794.56	3/4	1,150.21	3/4	1,508.24	3/4	1,866.28	3/4	2,224.32	3/4	2,582.35	3/4	2,940.29	3/4	3,298.22
5	120.46	5	444.89	5	801.97	5	1,157.67	5	1,515.70	5	1,873.74	5	2,231.78	5	2,589.81	5	2,947.74	5	3,305.68
1/4	126.74	1/4	452.22	1/4	809.37	1/4	1,165.12	1/4	1,523.16	1/4	1,881.20	1/4	2,239.23	1/4	2,597.27	1/4	2,955.20	1/4	3,313.13
1/2	133.02	1/2	459.54	1/2	816.77	1/2	1,172.58	1/2	1,530.62	1/2	1,888.66	1/2	2,246.69	1/2	2,604.73	1/2	2,962.66	1/2	3,320.59
3/4	139.30	3/4	466.87	3/4	824.17	3/4	1,180.04	3/4	1,538.08	3/4	1,896.12	3/4	2,254.15	3/4	2,612.18	3/4	2,970.11	3/4	3,328.05
6	145.57	6	474.20	6	831.57	6	1,187.50	6	1,545.54	6	1,903.58	6	2,261.61	6	2,619.64	6	2,977.57	6	3,335.50
1/4	151.94	1/4	481.61	1/4	838.97	1/4	1,194.96	1/4	1,553.00	1/4	1,911.03	1/4	2,269.07	1/4	2,627.10	1/4	2,985.03	1/4	3,342.96
1/2	158.30	1/2	489.03	1/2	846.37	1/2	1,202.42	1/2	1,560.46	1/2	1,918.49	1/2	2,276.53	1/2	2,634.55	1/2	2,992.49	1/2	3,350.42
3/4	164.67	3/4	496.44	3/4	853.77	3/4	1,209.88	3/4	1,567.92	3/4	1,925.95	3/4	2,283.99	3/4	2,642.01	3/4	2,999.94	3/4	3,357.87
7	171.03	7	503.86	7	861.17	7	1,217.34	7	1,575.38	7	1,933.41	7	2,291.45	7	2,649.47	7	3,007.40	7	3,365.33
1/4	177.49	1/4	511.32	1/4	868.57	1/4	1,224.80	1/4	1,582.83	1/4	1,940.87	1/4	2,298.91	1/4	2,656.92	1/4	3,014.86	1/4	3,372.79
1/2	183.94	1/2	518.78	1/2	875.97	1/2	1,232.26	1/2	1,590.29	1/2	1,948.33	1/2	2,306.37	1/2	2,664.38	1/2	3,022.31	1/2	3,380.24
3/4	190.39	3/4	526.24	3/4	883.37	3/4	1,239.72	3/4	1,597.75	3/4	1,955.79	3/4	2,313.83	3/4	2,671.84	3/4	3,029.77	3/4	3,387.70
8	196.84	8	533.70	8	890.77	8	1,247.17	8	1,605.21	8	1,963.25	8	2,321.29	8	2,679.30	8	3,037.23	8	3,395.16
1/4	203.38	1/4	541.15	1/4	898.17	1/4	1,254.63	1/4	1,612.67	1/4	1,970.71	1/4	2,328.74	1/4	2,686.75	1/4	3,044.68	1/4	3,402.61
1/2	209.92	1/2	548.60	1/2	905.57	1/2	1,262.09	1/2	1,620.13	1/2	1,978.17	1/2	2,336.20	1/2	2,694.21	1/2	3,052.14	1/2	3,410.07
3/4	216.46	3/4	556.06	3/4	912.97	3/4	1,269.55	3/4	1,627.59	3/4	1,985.63	3/4	2,343.66	3/4	2,701.67	3/4	3,059.60	3/4	3,417.53
9	223.01	9	563.51	9	920.37	9	1,277.01	9	1,635.05	9	1,993.08	9	2,351.12	9	2,709.12	9	3,067.05	9	3,424.99
1/4	229.63	1/4	570.96	1/4	927.77	1/4	1,284.47	1/4	1,642.51	1/4	2,000.54	1/4	2,358.58	1/4	2,716.58	1/4	3,074.51	1/4	3,432.44
1/2	236.26	1/2	578.42	1/2	935.17	1/2	1,291.93	1/2	1,649.97	1/2	2,008.00	1/2	2,366.04	1/2	2,724.04	1/2	3,081.97	1/2	3,439.90
3/4	242.89	3/4	585.87	3/4	942.57	3/4	1,299.39	3/4	1,657.43	3/4	2,015.46	3/4	2,373.50	3/4	2,731.49	3/4	3,089.42	3/4	3,447.36
10	249.52	10	593.32	10	949.97	10	1,306.85	10	1,664.88	10	2,022.92	10	2,380.96	10	2,738.95	10	3,096.88	10	3,454.81
1/4	256.23	1/4	600.78	1/4	957.37	1/4	1,314.31	1/4	1,672.34	1/4	2,030.38	1/4	2,388.42	1/4	2,746.41	1/4	3,104.34	1/4	3,462.27
1/2	262.95	1/2	608.24	1/2	964.77	1/2	1,321.77	1/2	1,679.80	1/2	2,037.84	1/2	2,395.88	1/2	2,753.86	1/2	3,111.80	1/2	3,469.73
3/4	269.66	3/4	615.70	3/4	972.17	3/4	1,329.22	3/4	1,687.26	3/4	2,045.30	3/4	2,403.34	3/4	2,761.32	3/4	3,119.25	3/4	3,477.18
11	276.38	11	623.16	11	979.57	11	1,336.68	11	1,694.72	11	2,052.76	11	2,410.79	11	2,768.78	11	3,126.71	11	3,484.64
1/4	283.18	1/4	630.62	1/4	986.97	1/4	1,344.14	1/4	1,702.18	1/4	2,060.22	1/4	2,418.25	1/4	2,776.24	1/4	3,134.17	1/4	3,492.10
1/2	289.98	1/2	638.08	1/2	994.37	1/2	1,351.60	1/2	1,709.64	1/2	2,067.68	1/2	2,425.71	1/2	2,783.69	1/2	3,141.62	1/2	3,499.55
3/4	296.78	3/4	645.53	3/4	1,001.77	3/4	1,359.06	3/4	1,717.10	3/4	2,075.13	3/4	2,433.17	3/4	2,791.15	3/4	3,149.08	3/4	3,507.01

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 INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-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 109"

1 PORT
INNAGE TABLE
HERMETIC
GAUGE HEIGHT 15'-09 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	3,514.47	0	3,872.40	0	4,229.64	0	4,586.53	0	4,941.60	0		0		0		0		0	
1/4	3,521.93	1/4	3,879.86	1/4	4,237.07	1/4	4,593.96	1/4	4,948.89	1/4		1/4		1/4		1/4		1/4	
1/2	3,529.38	1/2	3,887.31	1/2	4,244.51	1/2	4,601.40	1/2	4,956.19	1/2		1/2		1/2		1/2		1/2	
3/4	3,536.84	3/4	3,894.77	3/4	4,251.94	3/4	4,608.83	3/4	4,963.48	3/4		3/4		3/4		3/4		3/4	
1	3,544.30	1	3,902.23	1	4,259.38	1	4,616.27	1	4,970.77	1		1		1		1		1	
1/4	3,551.75	1/4	3,909.68	1/4	4,266.81	1/4	4,623.70	1/4	4,977.20	1/4		1/4		1/4		1/4		1/4	
1/2	3,559.21	1/2	3,917.14	1/2	4,274.25	1/2	4,631.14	1/2	4,983.63	1/2		1/2		1/2		1/2		1/2	
3/4	3,566.67	3/4	3,924.60	3/4	4,281.68	3/4	4,638.57	3/4	4,990.07	3/4		3/4		3/4		3/4		3/4	
2	3,574.12	2	3,932.05	2	4,289.12	2	4,646.01	2	4,996.50	2		2		2		2		2	
1/4	3,581.58	1/4	3,939.51	1/4	4,296.55	1/4	4,653.44	1/4	5,001.69	1/4		1/4		1/4		1/4		1/4	
1/2	3,589.04	1/2	3,946.97	1/2	4,303.99	1/2	4,660.88	1/2	5,006.87	1/2		1/2		1/2		1/2		1/2	
3/4	3,596.49	3/4	3,954.43	3/4	4,311.42	3/4	4,668.31	3/4	5,012.06	3/4		3/4		3/4		3/4		3/4	
3	3,603.95	3	3,961.88	3	4,318.86	3	4,675.75	3	5,017.25	3		3		3		3		3	
1/4	3,611.41	1/4	3,969.34	1/4	4,326.29	1/4	4,683.18	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,618.86	1/2	3,976.80	1/2	4,333.73	1/2	4,690.62	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,626.32	3/4	3,984.25	3/4	4,341.16	3/4	4,698.05	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,633.78	4	3,991.71	4	4,348.60	4	4,705.49	4		4		4		4		4		4	
1/4	3,641.24	1/4	3,999.15	1/4	4,356.03	1/4	4,712.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,648.69	1/2	4,006.58	1/2	4,363.47	1/2	4,720.36	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,656.15	3/4	4,014.02	3/4	4,370.91	3/4	4,727.79	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,663.61	5	4,021.45	5	4,378.34	5	4,735.23	5		5		5		5		5		5	
1/4	3,671.06	1/4	4,028.89	1/4	4,385.78	1/4	4,742.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,678.52	1/2	4,036.32	1/2	4,393.21	1/2	4,750.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,685.98	3/4	4,043.76	3/4	4,400.65	3/4	4,757.54	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,693.43	6	4,051.19	6	4,408.08	6	4,764.97	6		6		6		6		6		6	
1/4	3,700.89	1/4	4,058.63	1/4	4,415.52	1/4	4,772.33	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,708.35	1/2	4,066.06	1/2	4,422.95	1/2	4,779.69	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,715.80	3/4	4,073.50	3/4	4,430.39	3/4	4,787.06	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,723.26	7	4,080.93	7	4,437.82	7	4,794.42	7		7		7		7		7		7	
1/4	3,730.72	1/4	4,088.37	1/4	4,445.26	1/4	4,801.78	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,738.18	1/2	4,095.80	1/2	4,452.69	1/2	4,809.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,745.63	3/4	4,103.24	3/4	4,460.13	3/4	4,816.50	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,753.09	8	4,110.67	8	4,467.56	8	4,823.86	8		8		8		8		8		8	
1/4	3,760.55	1/4	4,118.11	1/4	4,475.00	1/4	4,831.23	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,768.00	1/2	4,125.54	1/2	4,482.43	1/2	4,838.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,775.46	3/4	4,132.98	3/4	4,489.87	3/4	4,845.95	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,782.92	9	4,140.41	9	4,497.30	9	4,853.31	9		9		9		9		9		9	
1/4	3,790.37	1/4	4,147.85	1/4	4,504.74	1/4	4,860.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,797.83	1/2	4,155.28	1/2	4,512.17	1/2	4,868.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,805.29	3/4	4,162.72	3/4	4,519.61	3/4	4,875.40	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,812.74	10	4,170.15	10	4,527.04	10	4,882.77	10		10		10		10		10		10	
1/4	3,820.20	1/4	4,177.59	1/4	4,534.48	1/4	4,890.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,827.66	1/2	4,185.03	1/2	4,541.91	1/2	4,897.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,835.11	3/4	4,192.46	3/4	4,549.35	3/4	4,904.84	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,842.57	11	4,199.90	11	4,556.79	11	4,912.20	11		11		11		11		11		11	
1/4	3,850.03	1/4	4,207.33	1/4	4,564.22	1/4	4,919.55	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,857.49	1/2	4,214.77	1/2	4,571.66	1/2	4,926.90	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,864.94	3/4	4,222.20	3/4	4,579.09	3/4	4,934.25	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/28/2020 CL
 CALCULATED: 10/29/2020 CL
 PRINTED: 10/29/2020 SW

CANCELS AND SUPERCEDES
 ALL PRIOR TO 10/2020

PRECISION MEASUREMENT
 & ANALYSIS, INC.

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



BARGE "TMTB 109"

1 STBD

INNAGE TABLE

HERMETIC

GAUGE HEIGHT 15'-09 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	15.29	0	303.63	0	653.17	0	1,010.88	0	1,368.90	0	1,727.02	0	2,085.14	0	2,443.26	0	2,801.31	0	3,159.33
1/4	18.33	1/4	310.52	1/4	660.63	1/4	1,018.33	1/4	1,376.36	1/4	1,734.48	1/4	2,092.60	1/4	2,450.72	1/4	2,808.77	1/4	3,166.78
1/2	21.37	1/2	317.42	1/2	668.09	1/2	1,025.78	1/2	1,383.82	1/2	1,741.94	1/2	2,100.06	1/2	2,458.18	1/2	2,816.23	1/2	3,174.24
3/4	24.41	3/4	324.31	3/4	675.55	3/4	1,033.22	3/4	1,391.28	3/4	1,749.40	3/4	2,107.52	3/4	2,465.64	3/4	2,823.69	3/4	3,181.70
1	27.46	1	331.20	1	683.01	1	1,040.67	1	1,398.74	1	1,756.86	1	2,114.98	1	2,473.10	1	2,831.15	1	3,189.16
1/4	32.45	1/4	338.18	1/4	690.47	1/4	1,048.13	1/4	1,406.20	1/4	1,764.32	1/4	2,122.44	1/4	2,480.56	1/4	2,838.61	1/4	3,196.62
1/2	37.45	1/2	345.16	1/2	697.93	1/2	1,055.58	1/2	1,413.67	1/2	1,771.78	1/2	2,129.90	1/2	2,488.02	1/2	2,846.06	1/2	3,204.08
3/4	42.44	3/4	352.14	3/4	705.39	3/4	1,063.04	3/4	1,421.13	3/4	1,779.24	3/4	2,137.36	3/4	2,495.48	3/4	2,853.52	3/4	3,211.54
2	47.43	2	359.11	2	712.85	2	1,070.49	2	1,428.59	2	1,786.71	2	2,144.82	2	2,502.94	2	2,860.98	2	3,218.99
1/4	53.41	1/4	366.18	1/4	720.31	1/4	1,077.95	1/4	1,436.05	1/4	1,794.17	1/4	2,152.28	1/4	2,510.40	1/4	2,868.44	1/4	3,226.45
1/2	59.39	1/2	373.25	1/2	727.77	1/2	1,085.40	1/2	1,443.51	1/2	1,801.63	1/2	2,159.75	1/2	2,517.86	1/2	2,875.90	1/2	3,233.91
3/4	65.37	3/4	380.31	3/4	735.23	3/4	1,092.86	3/4	1,450.97	3/4	1,809.09	3/4	2,167.21	3/4	2,525.32	3/4	2,883.36	3/4	3,241.37
3	71.35	3	387.38	3	742.70	3	1,100.31	3	1,458.43	3	1,816.55	3	2,174.67	3	2,532.79	3	2,890.82	3	3,248.83
1/4	77.44	1/4	394.54	1/4	750.16	1/4	1,107.77	1/4	1,465.89	1/4	1,824.01	1/4	2,182.13	1/4	2,540.25	1/4	2,898.27	1/4	3,256.29
1/2	83.54	1/2	401.69	1/2	757.62	1/2	1,115.23	1/2	1,473.35	1/2	1,831.47	1/2	2,189.59	1/2	2,547.71	1/2	2,905.73	1/2	3,263.75
3/4	89.63	3/4	408.84	3/4	765.08	3/4	1,122.69	3/4	1,480.81	3/4	1,838.93	3/4	2,197.05	3/4	2,555.17	3/4	2,913.19	3/4	3,271.20
4	95.72	4	416.00	4	772.54	4	1,130.15	4	1,488.27	4	1,846.39	4	2,204.51	4	2,562.63	4	2,920.65	4	3,278.66
1/4	101.91	1/4	423.24	1/4	780.00	1/4	1,137.62	1/4	1,495.73	1/4	1,853.85	1/4	2,211.97	1/4	2,570.09	1/4	2,928.11	1/4	3,286.12
1/2	108.10	1/2	430.48	1/2	787.46	1/2	1,145.08	1/2	1,503.19	1/2	1,861.31	1/2	2,219.43	1/2	2,577.55	1/2	2,935.57	1/2	3,293.58
3/4	114.29	3/4	437.72	3/4	794.92	3/4	1,152.54	3/4	1,510.66	3/4	1,868.77	3/4	2,226.89	3/4	2,585.01	3/4	2,943.03	3/4	3,301.04
5	120.48	5	444.96	5	802.38	5	1,160.00	5	1,518.12	5	1,876.23	5	2,234.35	5	2,592.47	5	2,950.48	5	3,308.50
1/4	126.76	1/4	452.29	1/4	809.83	1/4	1,167.46	1/4	1,525.58	1/4	1,883.70	1/4	2,241.81	1/4	2,599.93	1/4	2,957.94	1/4	3,315.96
1/2	133.04	1/2	459.62	1/2	817.27	1/2	1,174.92	1/2	1,533.04	1/2	1,891.16	1/2	2,249.27	1/2	2,607.39	1/2	2,965.40	1/2	3,323.41
3/4	139.32	3/4	466.95	3/4	824.72	3/4	1,182.38	3/4	1,540.50	3/4	1,898.62	3/4	2,256.74	3/4	2,614.85	3/4	2,972.86	3/4	3,330.87
6	145.59	6	474.28	6	832.17	6	1,189.84	6	1,547.96	6	1,906.08	6	2,264.20	6	2,622.31	6	2,980.32	6	3,338.33
1/4	151.96	1/4	481.70	1/4	839.61	1/4	1,197.30	1/4	1,555.42	1/4	1,913.54	1/4	2,271.66	1/4	2,629.76	1/4	2,987.78	1/4	3,345.79
1/2	158.33	1/2	489.12	1/2	847.06	1/2	1,204.76	1/2	1,562.88	1/2	1,921.00	1/2	2,279.12	1/2	2,637.22	1/2	2,995.24	1/2	3,353.25
3/4	164.69	3/4	496.53	3/4	854.51	3/4	1,212.22	3/4	1,570.34	3/4	1,928.46	3/4	2,286.58	3/4	2,644.68	3/4	3,002.69	3/4	3,360.71
7	171.06	7	503.95	7	861.95	7	1,219.68	7	1,577.80	7	1,935.92	7	2,294.04	7	2,652.14	7	3,010.15	7	3,368.17
1/4	177.51	1/4	511.41	1/4	869.40	1/4	1,227.15	1/4	1,585.26	1/4	1,943.38	1/4	2,301.50	1/4	2,659.60	1/4	3,017.61	1/4	3,375.62
1/2	183.96	1/2	518.87	1/2	876.85	1/2	1,234.61	1/2	1,592.72	1/2	1,950.84	1/2	2,308.96	1/2	2,667.06	1/2	3,025.07	1/2	3,383.08
3/4	190.42	3/4	526.33	3/4	884.29	3/4	1,242.07	3/4	1,600.19	3/4	1,958.30	3/4	2,316.42	3/4	2,674.52	3/4	3,032.53	3/4	3,390.54
8	196.87	8	533.79	8	891.74	8	1,249.53	8	1,607.65	8	1,965.76	8	2,323.88	8	2,681.97	8	3,039.99	8	3,398.00
1/4	203.41	1/4	541.25	1/4	899.19	1/4	1,256.99	1/4	1,615.11	1/4	1,973.23	1/4	2,331.34	1/4	2,689.43	1/4	3,047.45	1/4	3,405.46
1/2	209.95	1/2	548.71	1/2	906.63	1/2	1,264.45	1/2	1,622.57	1/2	1,980.69	1/2	2,338.80	1/2	2,696.89	1/2	3,054.90	1/2	3,412.92
3/4	216.50	3/4	556.18	3/4	914.08	3/4	1,271.91	3/4	1,630.03	3/4	1,988.15	3/4	2,346.27	3/4	2,704.35	3/4	3,062.36	3/4	3,420.38
9	223.04	9	563.64	9	921.53	9	1,279.37	9	1,637.49	9	1,995.61	9	2,353.73	9	2,711.81	9	3,069.82	9	3,427.83
1/4	229.67	1/4	571.10	1/4	928.97	1/4	1,286.83	1/4	1,644.95	1/4	2,003.07	1/4	2,361.19	1/4	2,719.27	1/4	3,077.28	1/4	3,435.29
1/2	236.29	1/2	578.56	1/2	936.42	1/2	1,294.29	1/2	1,652.41	1/2	2,010.53	1/2	2,368.65	1/2	2,726.73	1/2	3,084.74	1/2	3,442.75
3/4	242.92	3/4	586.02	3/4	943.87	3/4	1,301.75	3/4	1,659.87	3/4	2,017.99	3/4	2,376.11	3/4	2,734.18	3/4	3,092.20	3/4	3,450.21
10	249.55	10	593.48	10	951.31	10	1,309.21	10	1,667.33	10	2,025.45	10	2,383.57	10	2,741.64	10	3,099.66	10	3,457.67
1/4	256.27	1/4	600.94	1/4	958.76	1/4	1,316.67	1/4	1,674.79	1/4	2,032.91	1/4	2,391.03	1/4	2,749.10	1/4	3,107.11	1/4	3,465.13
1/2	262.98	1/2	608.40	1/2	966.20	1/2	1,324.14	1/2	1,682.25	1/2	2,040.37	1/2	2,398.49	1/2	2,756.56	1/2	3,114.57	1/2	3,472.59
3/4	269.70	3/4	615.86	3/4	973.65	3/4	1,331.60	3/4	1,689.71	3/4	2,047.83	3/4	2,405.95	3/4	2,764.02	3/4	3,122.03	3/4	3,480.04
11	276.42	11	623.32	11	981.10	11	1,339.06	11	1,697.18	11	2,055.29	11	2,413.41	11	2,771.48	11	3,129.49	11	3,487.50
1/4	283.22	1/4	630.78	1/4	988.54	1/4	1,346.52	1/4	1,704.64	1/4	2,062.75	1/4	2,420.87	1/4	2,778.94	1/4	3,136.95	1/4	3,494.96
1/2	290.02	1/2	638.24	1/2	995.99	1/2	1,353.98	1/2	1,712.10	1/2	2,070.22	1/2	2,428.33	1/2	2,786.40	1/2	3,144.41	1/2	3,502.42
3/4	296.83	3/4	645.71	3/4	1,003.44	3/4	1,361.44	3/4	1,719.56	3/4	2,077.68	3/4	2,435.79	3/4	2,793.85	3/4	3,151.87	3/4	3,509.88

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 INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "TMTB 109"

1 STBD

INNAGE TABLE

HERMETIC

GAUGE HEIGHT 15'-09 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	3,517.34	0	3,875.35	0	4,232.67	0	4,589.64	0	4,944.79	0		0		0		0		0	
1/4	3,524.80	1/4	3,882.81	1/4	4,240.11	1/4	4,597.08	1/4	4,952.09	1/4		1/4		1/4		1/4		1/4	
1/2	3,532.26	1/2	3,890.27	1/2	4,247.54	1/2	4,604.51	1/2	4,959.38	1/2		1/2		1/2		1/2		1/2	
3/4	3,539.71	3/4	3,897.73	3/4	4,254.98	3/4	4,611.95	3/4	4,966.68	3/4		3/4		3/4		3/4		3/4	
1	3,547.17	1	3,905.19	1	4,262.42	1	4,619.39	1	4,973.97	1		1		1		1		1	
1/4	3,554.63	1/4	3,912.64	1/4	4,269.85	1/4	4,626.82	1/4	4,980.40	1/4		1/4		1/4		1/4		1/4	
1/2	3,562.09	1/2	3,920.10	1/2	4,277.29	1/2	4,634.26	1/2	4,986.84	1/2		1/2		1/2		1/2		1/2	
3/4	3,569.55	3/4	3,927.56	3/4	4,284.73	3/4	4,641.70	3/4	4,993.27	3/4		3/4		3/4		3/4		3/4	
2	3,577.01	2	3,935.02	2	4,292.16	2	4,649.14	2	4,999.70	2		2		2		2		2	
1/4	3,584.47	1/4	3,942.48	1/4	4,299.60	1/4	4,656.57	1/4	5,004.89	1/4		1/4		1/4		1/4		1/4	
1/2	3,591.92	1/2	3,949.94	1/2	4,307.04	1/2	4,664.01	1/2	5,010.08	1/2		1/2		1/2		1/2		1/2	
3/4	3,599.38	3/4	3,957.40	3/4	4,314.48	3/4	4,671.45	3/4	5,015.27	3/4		3/4		3/4		3/4		3/4	
3	3,606.84	3	3,964.85	3	4,321.91	3	4,678.88	3	5,020.46	3		3		3		3		3	
1/4	3,614.30	1/4	3,972.31	1/4	4,329.35	1/4	4,686.32	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,621.76	1/2	3,979.77	1/2	4,336.79	1/2	4,693.76	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,629.22	3/4	3,987.23	3/4	4,344.22	3/4	4,701.19	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,636.68	4	3,994.69	4	4,351.66	4	4,708.63	4		4		4		4		4		4	
1/4	3,644.13	1/4	4,002.13	1/4	4,359.10	1/4	4,716.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,651.59	1/2	4,009.56	1/2	4,366.53	1/2	4,723.50	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,659.05	3/4	4,017.00	3/4	4,373.97	3/4	4,730.94	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,666.51	5	4,024.44	5	4,381.41	5	4,738.38	5		5		5		5		5		5	
1/4	3,673.97	1/4	4,031.87	1/4	4,388.84	1/4	4,745.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,681.43	1/2	4,039.31	1/2	4,396.28	1/2	4,753.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,688.89	3/4	4,046.75	3/4	4,403.72	3/4	4,760.69	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,696.34	6	4,054.18	6	4,411.15	6	4,768.13	6		6		6		6		6		6	
1/4	3,703.80	1/4	4,061.62	1/4	4,418.59	1/4	4,775.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,711.26	1/2	4,069.06	1/2	4,426.03	1/2	4,782.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,718.72	3/4	4,076.49	3/4	4,433.47	3/4	4,790.22	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,726.18	7	4,083.93	7	4,440.90	7	4,797.58	7		7		7		7		7		7	
1/4	3,733.64	1/4	4,091.37	1/4	4,448.34	1/4	4,804.94	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,741.10	1/2	4,098.80	1/2	4,455.78	1/2	4,812.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,748.55	3/4	4,106.24	3/4	4,463.21	3/4	4,819.67	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,756.01	8	4,113.68	8	4,470.65	8	4,827.03	8		8		8		8		8		8	
1/4	3,763.47	1/4	4,121.12	1/4	4,478.09	1/4	4,834.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,770.93	1/2	4,128.55	1/2	4,485.52	1/2	4,841.76	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,778.39	3/4	4,135.99	3/4	4,492.96	3/4	4,849.12	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,785.85	9	4,143.43	9	4,500.40	9	4,856.48	9		9		9		9		9		9	
1/4	3,793.31	1/4	4,150.86	1/4	4,507.83	1/4	4,863.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,800.76	1/2	4,158.30	1/2	4,515.27	1/2	4,871.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,808.22	3/4	4,165.74	3/4	4,522.71	3/4	4,878.58	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,815.68	10	4,173.17	10	4,530.15	10	4,885.94	10		10		10		10		10		10	
1/4	3,823.14	1/4	4,180.61	1/4	4,537.58	1/4	4,893.31	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,830.60	1/2	4,188.05	1/2	4,545.02	1/2	4,900.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,838.06	3/4	4,195.48	3/4	4,552.46	3/4	4,908.03	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,845.52	11	4,202.92	11	4,559.89	11	4,915.39	11		11		11		11		11		11	
1/4	3,852.97	1/4	4,210.36	1/4	4,567.33	1/4	4,922.74	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,860.43	1/2	4,217.80	1/2	4,574.77	1/2	4,930.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,867.89	3/4	4,225.23	3/4	4,582.20	3/4	4,937.44	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/28/2020 CL
CALCULATED: 10/29/2020 CL
PRINTED: 10/29/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
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<http://www.pmacorp.net>



BARGE "TMTB 109"

2 PORT INNAGE TABLE

HERMETIC GAUGE HEIGHT 15'-09 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	15.32	0	359.15	0	718.14	0	1,067.40	0	1,421.64	0	1,780.63	0	2,139.62	0	2,498.60	0	2,857.59	0	3,216.58
1/4	20.00	1/4	366.63	1/4	725.62	1/4	1,074.57	1/4	1,429.12	1/4	1,788.11	1/4	2,147.10	1/4	2,506.08	1/4	2,865.07	1/4	3,224.06
1/2	24.67	1/2	374.11	1/2	733.10	1/2	1,081.75	1/2	1,436.60	1/2	1,795.59	1/2	2,154.57	1/2	2,513.56	1/2	2,872.55	1/2	3,231.54
3/4	29.35	3/4	381.59	3/4	740.58	3/4	1,088.92	3/4	1,444.08	3/4	1,803.07	3/4	2,162.05	3/4	2,521.04	3/4	2,880.03	3/4	3,239.02
1	34.02	1	389.07	1	748.05	1	1,096.09	1	1,451.56	1	1,810.55	1	2,169.53	1	2,528.52	1	2,887.51	1	3,246.49
1/4	40.56	1/4	396.55	1/4	755.53	1/4	1,103.27	1/4	1,459.04	1/4	1,818.02	1/4	2,177.01	1/4	2,536.00	1/4	2,894.99	1/4	3,253.97
1/2	47.10	1/2	404.03	1/2	763.01	1/2	1,110.45	1/2	1,466.52	1/2	1,825.50	1/2	2,184.49	1/2	2,543.48	1/2	2,902.46	1/2	3,261.45
3/4	53.65	3/4	411.50	3/4	770.49	3/4	1,117.63	3/4	1,473.99	3/4	1,832.98	3/4	2,191.97	3/4	2,550.96	3/4	2,909.94	3/4	3,268.93
2	60.19	2	418.98	2	777.97	2	1,124.81	2	1,481.47	2	1,840.46	2	2,199.45	2	2,558.44	2	2,917.42	2	3,276.41
1/4	67.63	1/4	426.46	1/4	785.45	1/4	1,131.99	1/4	1,488.95	1/4	1,847.94	1/4	2,206.93	1/4	2,565.91	1/4	2,924.90	1/4	3,283.89
1/2	75.08	1/2	433.94	1/2	792.93	1/2	1,139.17	1/2	1,496.43	1/2	1,855.42	1/2	2,214.41	1/2	2,573.39	1/2	2,932.38	1/2	3,291.37
3/4	82.52	3/4	441.42	3/4	800.41	3/4	1,146.35	3/4	1,503.91	3/4	1,862.90	3/4	2,221.88	3/4	2,580.87	3/4	2,939.86	3/4	3,298.85
3	89.96	3	448.90	3	807.89	3	1,153.53	3	1,511.39	3	1,870.38	3	2,229.36	3	2,588.35	3	2,947.34	3	3,306.33
1/4	97.43	1/4	456.38	1/4	815.37	1/4	1,160.73	1/4	1,518.87	1/4	1,877.86	1/4	2,236.84	1/4	2,595.83	1/4	2,954.82	1/4	3,313.80
1/2	104.90	1/2	463.86	1/2	822.84	1/2	1,167.93	1/2	1,526.35	1/2	1,885.33	1/2	2,244.32	1/2	2,603.31	1/2	2,962.30	1/2	3,321.28
3/4	112.36	3/4	471.34	3/4	830.32	3/4	1,175.12	3/4	1,533.83	3/4	1,892.81	3/4	2,251.80	3/4	2,610.79	3/4	2,969.77	3/4	3,328.76
4	119.83	4	478.81	4	837.80	4	1,182.32	4	1,541.31	4	1,900.29	4	2,259.28	4	2,618.27	4	2,977.25	4	3,336.24
1/4	127.31	1/4	486.29	1/4	845.00	1/4	1,189.80	1/4	1,548.78	1/4	1,907.77	1/4	2,266.76	1/4	2,625.75	1/4	2,984.73	1/4	3,343.72
1/2	134.79	1/2	493.77	1/2	852.19	1/2	1,197.28	1/2	1,556.26	1/2	1,915.25	1/2	2,274.24	1/2	2,633.22	1/2	2,992.21	1/2	3,351.20
3/4	142.27	3/4	501.25	3/4	859.39	3/4	1,204.75	3/4	1,563.74	3/4	1,922.73	3/4	2,281.72	3/4	2,640.70	3/4	2,999.69	3/4	3,358.68
5	149.74	5	508.73	5	866.59	5	1,212.23	5	1,571.22	5	1,930.21	5	2,289.20	5	2,648.18	5	3,007.17	5	3,366.16
1/4	157.22	1/4	516.21	1/4	873.76	1/4	1,219.71	1/4	1,578.70	1/4	1,937.69	1/4	2,296.67	1/4	2,655.66	1/4	3,014.65	1/4	3,373.64
1/2	164.70	1/2	523.69	1/2	880.93	1/2	1,227.19	1/2	1,586.18	1/2	1,945.17	1/2	2,304.15	1/2	2,663.14	1/2	3,022.13	1/2	3,381.11
3/4	172.18	3/4	531.17	3/4	888.10	3/4	1,234.67	3/4	1,593.66	3/4	1,952.64	3/4	2,311.63	3/4	2,670.62	3/4	3,029.61	3/4	3,388.59
6	179.66	6	538.65	6	895.27	6	1,242.15	6	1,601.14	6	1,960.12	6	2,319.11	6	2,678.10	6	3,037.09	6	3,396.07
1/4	187.14	1/4	546.12	1/4	902.45	1/4	1,249.63	1/4	1,608.62	1/4	1,967.60	1/4	2,326.59	1/4	2,685.58	1/4	3,044.56	1/4	3,403.55
1/2	194.62	1/2	553.60	1/2	909.62	1/2	1,257.11	1/2	1,616.09	1/2	1,975.08	1/2	2,334.07	1/2	2,693.06	1/2	3,052.04	1/2	3,411.03
3/4	202.10	3/4	561.08	3/4	916.79	3/4	1,264.59	3/4	1,623.57	3/4	1,982.56	3/4	2,341.55	3/4	2,700.53	3/4	3,059.52	3/4	3,418.51
7	209.57	7	568.56	7	923.96	7	1,272.06	7	1,631.05	7	1,990.04	7	2,349.03	7	2,708.01	7	3,067.00	7	3,425.99
1/4	217.05	1/4	576.04	1/4	931.13	1/4	1,279.54	1/4	1,638.53	1/4	1,997.52	1/4	2,356.51	1/4	2,715.49	1/4	3,074.48	1/4	3,433.47
1/2	224.53	1/2	583.52	1/2	938.31	1/2	1,287.02	1/2	1,646.01	1/2	2,005.00	1/2	2,363.98	1/2	2,722.97	1/2	3,081.96	1/2	3,440.95
3/4	232.01	3/4	591.00	3/4	945.48	3/4	1,294.50	3/4	1,653.49	3/4	2,012.48	3/4	2,371.46	3/4	2,730.45	3/4	3,089.44	3/4	3,448.42
8	239.49	8	598.48	8	952.65	8	1,301.98	8	1,660.97	8	2,019.95	8	2,378.94	8	2,737.93	8	3,096.92	8	3,455.90
1/4	246.97	1/4	605.96	1/4	959.82	1/4	1,309.46	1/4	1,668.45	1/4	2,027.43	1/4	2,386.42	1/4	2,745.41	1/4	3,104.40	1/4	3,463.38
1/2	254.45	1/2	613.43	1/2	966.99	1/2	1,316.94	1/2	1,675.93	1/2	2,034.91	1/2	2,393.90	1/2	2,752.89	1/2	3,111.87	1/2	3,470.86
3/4	261.93	3/4	620.91	3/4	974.17	3/4	1,324.42	3/4	1,683.40	3/4	2,042.39	3/4	2,401.38	3/4	2,760.37	3/4	3,119.35	3/4	3,478.34
9	269.41	9	628.39	9	981.34	9	1,331.90	9	1,690.88	9	2,049.87	9	2,408.86	9	2,767.84	9	3,126.83	9	3,485.82
1/4	276.88	1/4	635.87	1/4	988.51	1/4	1,339.37	1/4	1,698.36	1/4	2,057.35	1/4	2,416.34	1/4	2,775.32	1/4	3,134.31	1/4	3,493.30
1/2	284.36	1/2	643.35	1/2	995.68	1/2	1,346.85	1/2	1,705.84	1/2	2,064.83	1/2	2,423.82	1/2	2,782.80	1/2	3,141.79	1/2	3,500.78
3/4	291.84	3/4	650.83	3/4	1,002.85	3/4	1,354.33	3/4	1,713.32	3/4	2,072.31	3/4	2,431.29	3/4	2,790.28	3/4	3,149.27	3/4	3,508.26
10	299.32	10	658.31	10	1,010.03	10	1,361.81	10	1,720.80	10	2,079.79	10	2,438.77	10	2,797.76	10	3,156.75	10	3,515.73
1/4	306.80	1/4	665.79	1/4	1,017.20	1/4	1,369.29	1/4	1,728.28	1/4	2,087.26	1/4	2,446.25	1/4	2,805.24	1/4	3,164.23	1/4	3,523.21
1/2	314.28	1/2	673.27	1/2	1,024.37	1/2	1,376.77	1/2	1,735.76	1/2	2,094.74	1/2	2,453.73	1/2	2,812.72	1/2	3,171.71	1/2	3,530.69
3/4	321.76	3/4	680.74	3/4	1,031.54	3/4	1,384.25	3/4	1,743.24	3/4	2,102.22	3/4	2,461.21	3/4	2,820.20	3/4	3,179.18	3/4	3,538.17
11	329.24	11	688.22	11	1,038.71	11	1,391.73	11	1,750.71	11	2,109.70	11	2,468.69	11	2,827.68	11	3,186.66	11	3,545.65
1/4	336.72	1/4	695.70	1/4	1,045.89	1/4	1,399.21	1/4	1,758.19	1/4	2,117.18	1/4	2,476.17	1/4	2,835.15	1/4	3,194.14	1/4	3,553.13
1/2	344.19	1/2	703.18	1/2	1,053.06	1/2	1,406.68	1/2	1,765.67	1/2	2,124.66	1/2	2,483.65	1/2	2,842.63	1/2	3,201.62	1/2	3,560.61
3/4	351.67	3/4	710.66	3/4	1,060.23	3/4	1,414.16	3/4	1,773.15	3/4	2,132.14	3/4	2,491.13	3/4	2,850.11	3/4	3,209.10	3/4	3,568.09

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 INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-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 109"

2 PORT INNAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09 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	3,575.57	0	3,934.55	0	4,292.84	0	4,650.78	0	5,007.06	0		0		0		0		0	
1/4	3,583.04	1/4	3,942.03	1/4	4,300.30	1/4	4,658.23	1/4	5,014.38	1/4		1/4		1/4		1/4		1/4	
1/2	3,590.52	1/2	3,949.51	1/2	4,307.75	1/2	4,665.69	1/2	5,021.70	1/2		1/2		1/2		1/2		1/2	
3/4	3,598.00	3/4	3,956.99	3/4	4,315.21	3/4	4,673.15	3/4	5,029.02	3/4		3/4		3/4		3/4		3/4	
1	3,605.48	1	3,964.47	1	4,322.67	1	4,680.60	1	5,036.34	1		1		1		1		1	
1/4	3,612.96	1/4	3,971.95	1/4	4,330.12	1/4	4,688.06	1/4	5,042.80	1/4		1/4		1/4		1/4		1/4	
1/2	3,620.44	1/2	3,979.43	1/2	4,337.58	1/2	4,695.52	1/2	5,049.25	1/2		1/2		1/2		1/2		1/2	
3/4	3,627.92	3/4	3,986.91	3/4	4,345.04	3/4	4,702.97	3/4	5,055.71	3/4		3/4		3/4		3/4		3/4	
2	3,635.40	2	3,994.38	2	4,352.50	2	4,710.43	2	5,062.16	2		2		2		2		2	
1/4	3,642.88	1/4	4,001.86	1/4	4,359.95	1/4	4,717.89	1/4	5,067.37	1/4		1/4		1/4		1/4		1/4	
1/2	3,650.35	1/2	4,009.34	1/2	4,367.41	1/2	4,725.35	1/2	5,072.58	1/2		1/2		1/2		1/2		1/2	
3/4	3,657.83	3/4	4,016.82	3/4	4,374.87	3/4	4,732.80	3/4	5,077.79	3/4		3/4		3/4		3/4		3/4	
3	3,665.31	3	4,024.30	3	4,382.32	3	4,740.26	3	5,083.00	3		3		3		3		3	
1/4	3,672.79	1/4	4,031.78	1/4	4,389.78	1/4	4,747.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,680.27	1/2	4,039.26	1/2	4,397.24	1/2	4,755.17	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,687.75	3/4	4,046.74	3/4	4,404.69	3/4	4,762.63	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,695.23	4	4,054.22	4	4,412.15	4	4,770.09	4		4		4		4		4		4	
1/4	3,702.71	1/4	4,061.67	1/4	4,419.61	1/4	4,777.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,710.19	1/2	4,069.13	1/2	4,427.07	1/2	4,785.00	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,717.66	3/4	4,076.59	3/4	4,434.52	3/4	4,792.46	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,725.14	5	4,084.04	5	4,441.98	5	4,799.92	5		5		5		5		5		5	
1/4	3,732.62	1/4	4,091.50	1/4	4,449.44	1/4	4,807.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,740.10	1/2	4,098.96	1/2	4,456.89	1/2	4,814.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,747.58	3/4	4,106.41	3/4	4,464.35	3/4	4,822.29	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,755.06	6	4,113.87	6	4,471.81	6	4,829.74	6		6		6		6		6		6	
1/4	3,762.54	1/4	4,121.33	1/4	4,479.26	1/4	4,837.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,770.02	1/2	4,128.79	1/2	4,486.72	1/2	4,844.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,777.50	3/4	4,136.24	3/4	4,494.18	3/4	4,851.92	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,784.98	7	4,143.70	7	4,501.64	7	4,859.31	7		7		7		7		7		7	
1/4	3,792.45	1/4	4,151.16	1/4	4,509.09	1/4	4,866.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,799.93	1/2	4,158.61	1/2	4,516.55	1/2	4,874.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,807.41	3/4	4,166.07	3/4	4,524.01	3/4	4,881.48	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,814.89	8	4,173.53	8	4,531.46	8	4,888.87	8		8		8		8		8		8	
1/4	3,822.37	1/4	4,180.98	1/4	4,538.92	1/4	4,896.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,829.85	1/2	4,188.44	1/2	4,546.38	1/2	4,903.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,837.33	3/4	4,195.90	3/4	4,553.83	3/4	4,911.05	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,844.81	9	4,203.36	9	4,561.29	9	4,918.44	9		9		9		9		9		9	
1/4	3,852.29	1/4	4,210.81	1/4	4,568.75	1/4	4,925.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,859.76	1/2	4,218.27	1/2	4,576.21	1/2	4,933.22	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,867.24	3/4	4,225.73	3/4	4,583.66	3/4	4,940.61	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,874.72	10	4,233.18	10	4,591.12	10	4,948.01	10		10		10		10		10		10	
1/4	3,882.20	1/4	4,240.64	1/4	4,598.58	1/4	4,955.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,889.68	1/2	4,248.10	1/2	4,606.03	1/2	4,962.78	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,897.16	3/4	4,255.55	3/4	4,613.49	3/4	4,970.17	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,904.64	11	4,263.01	11	4,620.95	11	4,977.55	11		11		11		11		11		11	
1/4	3,912.12	1/4	4,270.47	1/4	4,628.40	1/4	4,984.93	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,919.60	1/2	4,277.93	1/2	4,635.86	1/2	4,992.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,927.07	3/4	4,285.38	3/4	4,643.32	3/4	4,999.68	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/28/2020 CL
CALCULATED: 10/29/2020 CL
PRINTED: 10/29/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "TMTB 109"

2 STBD

INNAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09 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	15.32	0	359.12	0	718.08	0	1,076.64	0	1,435.50	0	1,794.46	0	2,153.41	0	2,512.37	0	2,871.27	0	3,230.12
1/4	20.00	1/4	366.60	1/4	725.56	1/4	1,084.10	1/4	1,442.98	1/4	1,801.93	1/4	2,160.89	1/4	2,519.85	1/4	2,878.75	1/4	3,237.60
1/2	24.67	1/2	374.08	1/2	733.04	1/2	1,091.57	1/2	1,450.45	1/2	1,809.41	1/2	2,168.37	1/2	2,527.33	1/2	2,886.22	1/2	3,245.07
3/4	29.34	3/4	381.56	3/4	740.52	3/4	1,099.03	3/4	1,457.93	3/4	1,816.89	3/4	2,175.85	3/4	2,534.81	3/4	2,893.70	3/4	3,252.55
1	34.02	1	389.04	1	748.00	1	1,106.50	1	1,465.41	1	1,824.37	1	2,183.33	1	2,542.29	1	2,901.17	1	3,260.03
1/4	40.56	1/4	396.52	1/4	755.47	1/4	1,113.97	1/4	1,472.89	1/4	1,831.85	1/4	2,190.81	1/4	2,549.76	1/4	2,908.65	1/4	3,267.50
1/2	47.10	1/2	403.99	1/2	762.95	1/2	1,121.44	1/2	1,480.37	1/2	1,839.33	1/2	2,198.28	1/2	2,557.24	1/2	2,916.13	1/2	3,274.98
3/4	53.64	3/4	411.47	3/4	770.43	3/4	1,128.91	3/4	1,487.85	3/4	1,846.80	3/4	2,205.76	3/4	2,564.72	3/4	2,923.60	3/4	3,282.45
2	60.19	2	418.95	2	777.91	2	1,136.39	2	1,495.32	2	1,854.28	2	2,213.24	2	2,572.20	2	2,931.08	2	3,289.93
1/4	67.63	1/4	426.43	1/4	785.39	1/4	1,143.86	1/4	1,502.80	1/4	1,861.76	1/4	2,220.72	1/4	2,579.68	1/4	2,938.55	1/4	3,297.41
1/2	75.07	1/2	433.91	1/2	792.87	1/2	1,151.33	1/2	1,510.28	1/2	1,869.24	1/2	2,228.20	1/2	2,587.16	1/2	2,946.03	1/2	3,304.88
3/4	82.51	3/4	441.39	3/4	800.34	3/4	1,158.81	3/4	1,517.76	3/4	1,876.72	3/4	2,235.68	3/4	2,594.63	3/4	2,953.51	3/4	3,312.36
3	89.95	3	448.86	3	807.82	3	1,166.28	3	1,525.24	3	1,884.20	3	2,243.15	3	2,602.11	3	2,960.98	3	3,319.84
1/4	97.42	1/4	456.34	1/4	815.30	1/4	1,173.76	1/4	1,532.72	1/4	1,891.67	1/4	2,250.63	1/4	2,609.59	1/4	2,968.46	1/4	3,327.31
1/2	104.89	1/2	463.82	1/2	822.78	1/2	1,181.24	1/2	1,540.19	1/2	1,899.15	1/2	2,258.11	1/2	2,617.07	1/2	2,975.93	1/2	3,334.79
3/4	112.36	3/4	471.30	3/4	830.26	3/4	1,188.71	3/4	1,547.67	3/4	1,906.63	3/4	2,265.59	3/4	2,624.55	3/4	2,983.41	3/4	3,342.26
4	119.82	4	478.78	4	837.73	4	1,196.19	4	1,555.15	4	1,914.11	4	2,273.07	4	2,632.03	4	2,990.89	4	3,349.74
1/4	127.30	1/4	486.25	1/4	845.21	1/4	1,203.67	1/4	1,562.63	1/4	1,921.59	1/4	2,280.55	1/4	2,639.50	1/4	2,998.36	1/4	3,357.22
1/2	134.78	1/2	493.73	1/2	852.69	1/2	1,211.15	1/2	1,570.11	1/2	1,929.07	1/2	2,288.02	1/2	2,646.98	1/2	3,005.84	1/2	3,364.69
3/4	142.25	3/4	501.21	3/4	860.17	3/4	1,218.63	3/4	1,577.59	3/4	1,936.54	3/4	2,295.50	3/4	2,654.46	3/4	3,013.32	3/4	3,372.17
5	149.73	5	508.69	5	867.65	5	1,226.11	5	1,585.06	5	1,944.02	5	2,302.98	5	2,661.94	5	3,020.79	5	3,379.64
1/4	157.21	1/4	516.17	1/4	875.11	1/4	1,233.58	1/4	1,592.54	1/4	1,951.50	1/4	2,310.46	1/4	2,669.41	1/4	3,028.27	1/4	3,387.12
1/2	164.69	1/2	523.65	1/2	882.58	1/2	1,241.06	1/2	1,600.02	1/2	1,958.98	1/2	2,317.94	1/2	2,676.89	1/2	3,035.74	1/2	3,394.60
3/4	172.17	3/4	531.12	3/4	890.04	3/4	1,248.54	3/4	1,607.50	3/4	1,966.46	3/4	2,325.42	3/4	2,684.37	3/4	3,043.22	3/4	3,402.07
6	179.64	6	538.60	6	897.50	6	1,256.02	6	1,614.98	6	1,973.94	6	2,332.89	6	2,691.84	6	3,050.70	6	3,409.55
1/4	187.12	1/4	546.08	1/4	904.97	1/4	1,263.50	1/4	1,622.45	1/4	1,981.41	1/4	2,340.37	1/4	2,699.32	1/4	3,058.17	1/4	3,417.02
1/2	194.60	1/2	553.56	1/2	912.43	1/2	1,270.97	1/2	1,629.93	1/2	1,988.89	1/2	2,347.85	1/2	2,706.80	1/2	3,065.65	1/2	3,424.50
3/4	202.08	3/4	561.04	3/4	919.90	3/4	1,278.45	3/4	1,637.41	3/4	1,996.37	3/4	2,355.33	3/4	2,714.27	3/4	3,073.12	3/4	3,431.98
7	209.56	7	568.52	7	927.36	7	1,285.93	7	1,644.89	7	2,003.85	7	2,362.81	7	2,721.75	7	3,080.60	7	3,439.45
1/4	217.04	1/4	575.99	1/4	934.82	1/4	1,293.41	1/4	1,652.37	1/4	2,011.33	1/4	2,370.28	1/4	2,729.22	1/4	3,088.08	1/4	3,446.93
1/2	224.51	1/2	583.47	1/2	942.29	1/2	1,300.89	1/2	1,659.85	1/2	2,018.80	1/2	2,377.76	1/2	2,736.70	1/2	3,095.55	1/2	3,454.41
3/4	231.99	3/4	590.95	3/4	949.75	3/4	1,308.37	3/4	1,667.32	3/4	2,026.28	3/4	2,385.24	3/4	2,744.18	3/4	3,103.03	3/4	3,461.88
8	239.47	8	598.43	8	957.22	8	1,315.84	8	1,674.80	8	2,033.76	8	2,392.72	8	2,751.65	8	3,110.50	8	3,469.36
1/4	246.95	1/4	605.91	1/4	964.68	1/4	1,323.32	1/4	1,682.28	1/4	2,041.24	1/4	2,400.20	1/4	2,759.13	1/4	3,117.98	1/4	3,476.83
1/2	254.43	1/2	613.39	1/2	972.14	1/2	1,330.80	1/2	1,689.76	1/2	2,048.72	1/2	2,407.68	1/2	2,766.60	1/2	3,125.46	1/2	3,484.31
3/4	261.91	3/4	620.86	3/4	979.61	3/4	1,338.28	3/4	1,697.24	3/4	2,056.20	3/4	2,415.15	3/4	2,774.08	3/4	3,132.93	3/4	3,491.79
9	269.38	9	628.34	9	987.07	9	1,345.76	9	1,704.72	9	2,063.67	9	2,422.63	9	2,781.56	9	3,140.41	9	3,499.26
1/4	276.86	1/4	635.82	1/4	994.54	1/4	1,353.24	1/4	1,712.19	1/4	2,071.15	1/4	2,430.11	1/4	2,789.03	1/4	3,147.89	1/4	3,506.74
1/2	284.34	1/2	643.30	1/2	1,002.00	1/2	1,360.71	1/2	1,719.67	1/2	2,078.63	1/2	2,437.59	1/2	2,796.51	1/2	3,155.36	1/2	3,514.21
3/4	291.82	3/4	650.78	3/4	1,009.46	3/4	1,368.19	3/4	1,727.15	3/4	2,086.11	3/4	2,445.07	3/4	2,803.98	3/4	3,162.84	3/4	3,521.69
10	299.30	10	658.26	10	1,016.93	10	1,375.67	10	1,734.63	10	2,093.59	10	2,452.55	10	2,811.46	10	3,170.31	10	3,529.17
1/4	306.78	1/4	665.73	1/4	1,024.39	1/4	1,383.15	1/4	1,742.11	1/4	2,101.07	1/4	2,460.02	1/4	2,818.94	1/4	3,177.79	1/4	3,536.64
1/2	314.25	1/2	673.21	1/2	1,031.86	1/2	1,390.63	1/2	1,749.59	1/2	2,108.54	1/2	2,467.50	1/2	2,826.41	1/2	3,185.27	1/2	3,544.12
3/4	321.73	3/4	680.69	3/4	1,039.32	3/4	1,398.11	3/4	1,757.06	3/4	2,116.02	3/4	2,474.98	3/4	2,833.89	3/4	3,192.74	3/4	3,551.59
11	329.21	11	688.17	11	1,046.78	11	1,405.58	11	1,764.54	11	2,123.50	11	2,482.46	11	2,841.37	11	3,200.22	11	3,559.07
1/4	336.69	1/4	695.65	1/4	1,054.25	1/4	1,413.06	1/4	1,772.02	1/4	2,130.98	1/4	2,489.94	1/4	2,848.84	1/4	3,207.69	1/4	3,566.55
1/2	344.17	1/2	703.13	1/2	1,061.71	1/2	1,420.54	1/2	1,779.50	1/2	2,138.46	1/2	2,497.42	1/2	2,856.32	1/2	3,215.17	1/2	3,574.02
3/4	351.65	3/4	710.60	3/4	1,069.18	3/4	1,428.02	3/4	1,786.98	3/4	2,145.94	3/4	2,504.89	3/4	2,863.79	3/4	3,222.65	3/4	3,581.50

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 INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "TMTB 109"

2 STBD

INNAGE TABLE

HERMETIC

GAUGE HEIGHT 15'-09 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	3,588.98	0	3,947.83	0	4,305.99	0	4,663.81	0	5,019.82	0		0		0		0		0	
1/4	3,596.45	1/4	3,955.30	1/4	4,313.45	1/4	4,671.27	1/4	5,027.13	1/4		1/4		1/4		1/4		1/4	
1/2	3,603.93	1/2	3,962.78	1/2	4,320.90	1/2	4,678.72	1/2	5,034.44	1/2		1/2		1/2		1/2		1/2	
3/4	3,611.40	3/4	3,970.26	3/4	4,328.36	3/4	4,686.18	3/4	5,041.76	3/4		3/4		3/4		3/4		3/4	
1	3,618.88	1	3,977.73	1	4,335.81	1	4,693.63	1	5,049.07	1		1		1		1		1	
1/4	3,626.36	1/4	3,985.21	1/4	4,343.27	1/4	4,701.09	1/4	5,055.52	1/4		1/4		1/4		1/4		1/4	
1/2	3,633.83	1/2	3,992.68	1/2	4,350.72	1/2	4,708.54	1/2	5,061.96	1/2		1/2		1/2		1/2		1/2	
3/4	3,641.31	3/4	4,000.16	3/4	4,358.17	3/4	4,716.00	3/4	5,068.41	3/4		3/4		3/4		3/4		3/4	
2	3,648.78	2	4,007.64	2	4,365.63	2	4,723.45	2	5,074.86	2		2		2		2		2	
1/4	3,656.26	1/4	4,015.11	1/4	4,373.08	1/4	4,730.90	1/4	5,080.06	1/4		1/4		1/4		1/4		1/4	
1/2	3,663.74	1/2	4,022.59	1/2	4,380.54	1/2	4,738.36	1/2	5,085.26	1/2		1/2		1/2		1/2		1/2	
3/4	3,671.21	3/4	4,030.06	3/4	4,387.99	3/4	4,745.81	3/4	5,090.46	3/4		3/4		3/4		3/4		3/4	
3	3,678.69	3	4,037.54	3	4,395.45	3	4,753.27	3	5,095.67	3		3		3		3		3	
1/4	3,686.16	1/4	4,045.02	1/4	4,402.90	1/4	4,760.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,693.64	1/2	4,052.49	1/2	4,410.36	1/2	4,768.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,701.12	3/4	4,059.97	3/4	4,417.81	3/4	4,775.63	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,708.59	4	4,067.45	4	4,425.27	4	4,783.09	4		4		4		4		4		4	
1/4	3,716.07	1/4	4,074.90	1/4	4,432.72	1/4	4,790.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,723.54	1/2	4,082.35	1/2	4,440.18	1/2	4,798.00	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,731.02	3/4	4,089.81	3/4	4,447.63	3/4	4,805.45	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,738.50	5	4,097.26	5	4,455.08	5	4,812.91	5		5		5		5		5		5	
1/4	3,745.97	1/4	4,104.72	1/4	4,462.54	1/4	4,820.36	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,753.45	1/2	4,112.17	1/2	4,469.99	1/2	4,827.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,760.93	3/4	4,119.63	3/4	4,477.45	3/4	4,835.27	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,768.40	6	4,127.08	6	4,484.90	6	4,842.72	6		6		6		6		6		6	
1/4	3,775.88	1/4	4,134.54	1/4	4,492.36	1/4	4,850.10	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,783.35	1/2	4,141.99	1/2	4,499.81	1/2	4,857.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,790.83	3/4	4,149.45	3/4	4,507.27	3/4	4,864.87	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,798.31	7	4,156.90	7	4,514.72	7	4,872.25	7		7		7		7		7		7	
1/4	3,805.78	1/4	4,164.36	1/4	4,522.18	1/4	4,879.63	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,813.26	1/2	4,171.81	1/2	4,529.63	1/2	4,887.01	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,820.73	3/4	4,179.26	3/4	4,537.09	3/4	4,894.39	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,828.21	8	4,186.72	8	4,544.54	8	4,901.77	8		8		8		8		8		8	
1/4	3,835.69	1/4	4,194.17	1/4	4,551.99	1/4	4,909.15	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,843.16	1/2	4,201.63	1/2	4,559.45	1/2	4,916.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,850.64	3/4	4,209.08	3/4	4,566.90	3/4	4,923.91	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,858.11	9	4,216.54	9	4,574.36	9	4,931.29	9		9		9		9		9		9	
1/4	3,865.59	1/4	4,223.99	1/4	4,581.81	1/4	4,938.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,873.07	1/2	4,231.45	1/2	4,589.27	1/2	4,946.06	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,880.54	3/4	4,238.90	3/4	4,596.72	3/4	4,953.44	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,888.02	10	4,246.36	10	4,604.18	10	4,960.82	10		10		10		10		10		10	
1/4	3,895.50	1/4	4,253.81	1/4	4,611.63	1/4	4,968.20	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,902.97	1/2	4,261.26	1/2	4,619.09	1/2	4,975.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,910.45	3/4	4,268.72	3/4	4,626.54	3/4	4,982.96	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,917.92	11	4,276.17	11	4,633.99	11	4,990.35	11		11		11		11		11		11	
1/4	3,925.40	1/4	4,283.63	1/4	4,641.45	1/4	4,997.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,932.88	1/2	4,291.08	1/2	4,648.90	1/2	5,005.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,940.35	3/4	4,298.54	3/4	4,656.36	3/4	5,012.45	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/28/2020 CL
CALCULATED: 10/29/2020 CL
PRINTED: 10/29/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "TMTB 109"

3 PORT INNAGE TABLE

HERMETIC GAUGE HEIGHT 15'-09 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	15.27	0	357.70	0	714.77	0	1,062.19	0	1,415.26	0	1,772.03	0	2,128.06	0	2,484.81	0	2,841.28	0	3,197.72
1/4	19.92	1/4	365.14	1/4	722.21	1/4	1,069.33	1/4	1,422.69	1/4	1,779.44	1/4	2,135.49	1/4	2,492.24	1/4	2,848.70	1/4	3,205.11
1/2	24.58	1/2	372.58	1/2	729.65	1/2	1,076.47	1/2	1,430.13	1/2	1,786.86	1/2	2,142.92	1/2	2,499.67	1/2	2,856.13	1/2	3,212.51
3/4	29.24	3/4	380.02	3/4	737.09	3/4	1,083.62	3/4	1,437.56	3/4	1,794.28	3/4	2,150.35	3/4	2,507.09	3/4	2,863.55	3/4	3,219.91
1	33.89	1	387.46	1	744.53	1	1,090.76	1	1,445.00	1	1,801.70	1	2,157.78	1	2,514.52	1	2,870.98	1	3,227.31
1/4	40.41	1/4	394.90	1/4	751.97	1/4	1,097.97	1/4	1,452.43	1/4	1,809.11	1/4	2,165.21	1/4	2,521.95	1/4	2,878.41	1/4	3,234.70
1/2	46.93	1/2	402.33	1/2	759.41	1/2	1,105.19	1/2	1,459.86	1/2	1,816.53	1/2	2,172.65	1/2	2,529.37	1/2	2,885.83	1/2	3,242.10
3/4	53.45	3/4	409.77	3/4	766.85	3/4	1,112.40	3/4	1,467.30	3/4	1,823.95	3/4	2,180.08	3/4	2,536.80	3/4	2,893.26	3/4	3,249.50
2	59.96	2	417.21	2	774.28	2	1,119.61	2	1,474.73	2	1,831.37	2	2,187.51	2	2,544.23	2	2,900.68	2	3,256.90
1/4	67.38	1/4	424.65	1/4	781.72	1/4	1,126.82	1/4	1,482.17	1/4	1,838.78	1/4	2,194.94	1/4	2,551.66	1/4	2,908.11	1/4	3,264.29
1/2	74.79	1/2	432.09	1/2	789.16	1/2	1,134.04	1/2	1,489.60	1/2	1,846.20	1/2	2,202.37	1/2	2,559.08	1/2	2,915.53	1/2	3,271.69
3/4	82.21	3/4	439.53	3/4	796.60	3/4	1,141.25	3/4	1,497.03	3/4	1,853.62	3/4	2,209.80	3/4	2,566.51	3/4	2,922.96	3/4	3,279.09
3	89.62	3	446.97	3	804.04	3	1,148.46	3	1,504.47	3	1,861.04	3	2,217.23	3	2,573.94	3	2,930.39	3	3,286.49
1/4	97.06	1/4	454.41	1/4	811.41	1/4	1,155.69	1/4	1,511.90	1/4	1,868.45	1/4	2,224.66	1/4	2,581.36	1/4	2,937.81	1/4	3,293.89
1/2	104.50	1/2	461.85	1/2	818.79	1/2	1,162.92	1/2	1,519.34	1/2	1,875.87	1/2	2,232.09	1/2	2,588.79	1/2	2,945.24	1/2	3,301.28
3/4	111.94	3/4	469.29	3/4	826.16	3/4	1,170.14	3/4	1,526.77	3/4	1,883.29	3/4	2,239.52	3/4	2,596.22	3/4	2,952.66	3/4	3,308.68
4	119.38	4	476.72	4	833.54	4	1,177.37	4	1,534.20	4	1,890.71	4	2,246.95	4	2,603.65	4	2,960.09	4	3,316.08
1/4	126.83	1/4	484.16	1/4	840.70	1/4	1,184.81	1/4	1,541.64	1/4	1,898.12	1/4	2,254.38	1/4	2,611.07	1/4	2,967.52	1/4	3,323.48
1/2	134.28	1/2	491.60	1/2	847.87	1/2	1,192.24	1/2	1,549.07	1/2	1,905.54	1/2	2,261.81	1/2	2,618.50	1/2	2,974.94	1/2	3,330.87
3/4	141.73	3/4	499.04	3/4	855.03	3/4	1,199.67	3/4	1,556.51	3/4	1,912.96	3/4	2,269.24	3/4	2,625.93	3/4	2,982.37	3/4	3,338.27
5	149.18	5	506.48	5	862.20	5	1,207.11	5	1,563.94	5	1,920.38	5	2,276.67	5	2,633.35	5	2,989.79	5	3,345.67
1/4	156.63	1/4	513.92	1/4	869.34	1/4	1,214.54	1/4	1,571.37	1/4	1,927.79	1/4	2,284.11	1/4	2,640.78	1/4	2,997.22	1/4	3,353.06
1/2	164.08	1/2	521.36	1/2	876.48	1/2	1,221.98	1/2	1,578.81	1/2	1,935.21	1/2	2,291.55	1/2	2,648.21	1/2	3,004.64	1/2	3,360.45
3/4	171.53	3/4	528.80	3/4	883.63	3/4	1,229.41	3/4	1,586.24	3/4	1,942.63	3/4	2,298.98	3/4	2,655.63	3/4	3,012.07	3/4	3,367.85
6	178.98	6	536.24	6	890.77	6	1,236.84	6	1,593.68	6	1,950.05	6	2,306.42	6	2,663.06	6	3,019.50	6	3,375.24
1/4	186.43	1/4	543.68	1/4	897.91	1/4	1,244.28	1/4	1,601.11	1/4	1,957.46	1/4	2,313.85	1/4	2,670.48	1/4	3,026.92	1/4	3,382.63
1/2	193.88	1/2	551.11	1/2	905.05	1/2	1,251.71	1/2	1,608.54	1/2	1,964.88	1/2	2,321.29	1/2	2,677.91	1/2	3,034.35	1/2	3,390.01
3/4	201.33	3/4	558.55	3/4	912.20	3/4	1,259.15	3/4	1,615.98	3/4	1,972.30	3/4	2,328.73	3/4	2,685.33	3/4	3,041.77	3/4	3,397.39
7	208.78	7	565.99	7	919.34	7	1,266.58	7	1,623.41	7	1,979.72	7	2,336.16	7	2,692.76	7	3,049.20	7	3,404.78
1/4	216.23	1/4	573.43	1/4	926.48	1/4	1,274.01	1/4	1,630.85	1/4	1,987.13	1/4	2,343.60	1/4	2,700.19	1/4	3,056.62	1/4	3,411.93
1/2	223.68	1/2	580.87	1/2	933.62	1/2	1,281.45	1/2	1,638.28	1/2	1,994.55	1/2	2,351.03	1/2	2,707.61	1/2	3,064.05	1/2	3,419.09
3/4	231.13	3/4	588.31	3/4	940.77	3/4	1,288.88	3/4	1,645.71	3/4	2,001.97	3/4	2,358.47	3/4	2,715.04	3/4	3,071.48	3/4	3,426.25
8	238.58	8	595.75	8	947.91	8	1,296.32	8	1,653.15	8	2,009.39	8	2,365.91	8	2,722.46	8	3,078.90	8	3,433.40
1/4	246.03	1/4	603.19	1/4	955.05	1/4	1,303.75	1/4	1,660.58	1/4	2,016.80	1/4	2,373.34	1/4	2,729.89	1/4	3,086.33	1/4	3,440.08
1/2	253.49	1/2	610.63	1/2	962.19	1/2	1,311.18	1/2	1,668.02	1/2	2,024.22	1/2	2,380.78	1/2	2,737.32	1/2	3,093.75	1/2	3,446.76
3/4	260.94	3/4	618.07	3/4	969.34	3/4	1,318.62	3/4	1,675.45	3/4	2,031.64	3/4	2,388.21	3/4	2,744.74	3/4	3,101.18	3/4	3,453.44
9	268.39	9	625.50	9	976.48	9	1,326.05	9	1,682.88	9	2,039.06	9	2,395.65	9	2,752.17	9	3,108.61	9	3,460.12
1/4	275.84	1/4	632.94	1/4	983.62	1/4	1,333.49	1/4	1,690.32	1/4	2,046.47	1/4	2,403.09	1/4	2,759.59	1/4	3,116.03	1/4	3,466.32
1/2	283.29	1/2	640.38	1/2	990.76	1/2	1,340.92	1/2	1,697.75	1/2	2,053.88	1/2	2,410.52	1/2	2,767.02	1/2	3,123.46	1/2	3,472.52
3/4	290.74	3/4	647.82	3/4	997.91	3/4	1,348.35	3/4	1,705.19	3/4	2,061.29	3/4	2,417.96	3/4	2,774.44	3/4	3,130.88	3/4	3,478.73
10	298.19	10	655.26	10	1,005.05	10	1,355.79	10	1,712.62	10	2,068.70	10	2,425.40	10	2,781.87	10	3,138.31	10	3,484.93
1/4	305.63	1/4	662.70	1/4	1,012.19	1/4	1,363.22	1/4	1,720.05	1/4	2,076.11	1/4	2,432.82	1/4	2,789.30	1/4	3,145.73	1/4	3,490.66
1/2	313.07	1/2	670.14	1/2	1,019.33	1/2	1,370.66	1/2	1,727.49	1/2	2,083.52	1/2	2,440.25	1/2	2,796.72	1/2	3,153.16	1/2	3,496.40
3/4	320.51	3/4	677.58	3/4	1,026.48	3/4	1,378.09	3/4	1,734.92	3/4	2,090.93	3/4	2,447.68	3/4	2,804.15	3/4	3,160.59	3/4	3,502.13
11	327.94	11	685.02	11	1,033.62	11	1,385.52	11	1,742.36	11	2,098.34	11	2,455.10	11	2,811.57	11	3,168.01	11	3,507.86
1/4	335.38	1/4	692.46	1/4	1,040.76	1/4	1,392.96	1/4	1,749.77	1/4	2,105.77	1/4	2,462.53	1/4	2,819.00	1/4	3,175.44	1/4	3,513.12
1/2	342.82	1/2	699.89	1/2	1,047.90	1/2	1,400.39	1/2	1,757.19	1/2	2,113.20	1/2	2,469.96	1/2	2,826.43	1/2	3,182.86	1/2	3,518.38
3/4	350.26	3/4	707.33	3/4	1,055.05	3/4	1,407.83	3/4	1,764.61	3/4	2,120.63	3/4	2,477.39	3/4	2,833.85	3/4	3,190.29	3/4	3,523.63

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 INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-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 109"

3 PORT INNAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,528.89	0	3,749.37	0	3,968.50	0	4,187.42	0	4,405.24	0		0		0		0		0	
1/4	3,533.70	1/4	3,753.95	1/4	3,973.06	1/4	4,191.98	1/4	4,409.71	1/4		1/4		1/4		1/4		1/4	
1/2	3,538.51	1/2	3,758.52	1/2	3,977.62	1/2	4,196.54	1/2	4,414.19	1/2		1/2		1/2		1/2		1/2	
3/4	3,543.33	3/4	3,763.09	3/4	3,982.18	3/4	4,201.10	3/4	4,418.66	3/4		3/4		3/4		3/4		3/4	
1	3,548.14	1	3,767.67	1	3,986.74	1	4,205.66	1	4,423.13	1		1		1		1		1	
1/4	3,552.71	1/4	3,772.24	1/4	3,991.30	1/4	4,210.23	1/4	4,427.08	1/4		1/4		1/4		1/4		1/4	
1/2	3,557.29	1/2	3,776.81	1/2	3,995.86	1/2	4,214.79	1/2	4,431.02	1/2		1/2		1/2		1/2		1/2	
3/4	3,561.86	3/4	3,781.39	3/4	4,000.42	3/4	4,219.35	3/4	4,434.97	3/4		3/4		3/4		3/4		3/4	
2	3,566.43	2	3,785.96	2	4,004.98	2	4,223.91	2	4,438.91	2		2		2		2		2	
1/4	3,571.01	1/4	3,790.53	1/4	4,009.55	1/4	4,228.47	1/4	4,442.10	1/4		1/4		1/4		1/4		1/4	
1/2	3,575.58	1/2	3,795.11	1/2	4,014.11	1/2	4,233.03	1/2	4,445.28	1/2		1/2		1/2		1/2		1/2	
3/4	3,580.15	3/4	3,799.68	3/4	4,018.67	3/4	4,237.59	3/4	4,448.46	3/4		3/4		3/4		3/4		3/4	
3	3,584.73	3	3,804.25	3	4,023.23	3	4,242.15	3	4,451.64	3		3		3		3		3	
1/4	3,589.30	1/4	3,808.83	1/4	4,027.79	1/4	4,246.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,593.87	1/2	3,813.40	1/2	4,032.35	1/2	4,251.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,598.45	3/4	3,817.98	3/4	4,036.91	3/4	4,255.83	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,603.02	4	3,822.55	4	4,041.47	4	4,260.40	4		4		4		4		4		4	
1/4	3,607.59	1/4	3,827.11	1/4	4,046.03	1/4	4,264.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,612.17	1/2	3,831.67	1/2	4,050.59	1/2	4,269.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,616.74	3/4	3,836.23	3/4	4,055.15	3/4	4,274.08	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,621.31	5	3,840.79	5	4,059.72	5	4,278.64	5		5		5		5		5		5	
1/4	3,625.89	1/4	3,845.35	1/4	4,064.28	1/4	4,283.20	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,630.46	1/2	3,849.91	1/2	4,068.84	1/2	4,287.76	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,635.04	3/4	3,854.47	3/4	4,073.40	3/4	4,292.32	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,639.61	6	3,859.04	6	4,077.96	6	4,296.88	6		6		6		6		6		6	
1/4	3,644.18	1/4	3,863.60	1/4	4,082.52	1/4	4,301.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,648.76	1/2	3,868.16	1/2	4,087.08	1/2	4,305.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,653.33	3/4	3,872.72	3/4	4,091.64	3/4	4,310.43	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,657.90	7	3,877.28	7	4,096.20	7	4,314.94	7		7		7		7		7		7	
1/4	3,662.48	1/4	3,881.84	1/4	4,100.76	1/4	4,319.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,667.05	1/2	3,886.40	1/2	4,105.32	1/2	4,323.98	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,671.62	3/4	3,890.96	3/4	4,109.89	3/4	4,328.49	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,676.20	8	3,895.52	8	4,114.45	8	4,333.01	8		8		8		8		8		8	
1/4	3,680.77	1/4	3,900.08	1/4	4,119.01	1/4	4,337.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,685.34	1/2	3,904.64	1/2	4,123.57	1/2	4,342.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,689.92	3/4	3,909.21	3/4	4,128.13	3/4	4,346.55	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,694.49	9	3,913.77	9	4,132.69	9	4,351.07	9		9		9		9		9		9	
1/4	3,699.06	1/4	3,918.33	1/4	4,137.25	1/4	4,355.59	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,703.64	1/2	3,922.89	1/2	4,141.81	1/2	4,360.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,708.21	3/4	3,927.45	3/4	4,146.37	3/4	4,364.62	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,712.78	10	3,932.01	10	4,150.93	10	4,369.14	10		10		10		10		10		10	
1/4	3,717.36	1/4	3,936.57	1/4	4,155.49	1/4	4,373.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,721.93	1/2	3,941.13	1/2	4,160.06	1/2	4,378.17	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,726.51	3/4	3,945.69	3/4	4,164.62	3/4	4,382.69	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,731.08	11	3,950.25	11	4,169.18	11	4,387.21	11		11		11		11		11		11	
1/4	3,735.65	1/4	3,954.81	1/4	4,173.74	1/4	4,391.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,740.23	1/2	3,959.38	1/2	4,178.30	1/2	4,396.22	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,744.80	3/4	3,963.94	3/4	4,182.86	3/4	4,400.73	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/28/2020 CL
CALCULATED: 10/29/2020 CL
PRINTED: 10/29/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "TMTB 109"

3 STBD

INNAGE TABLE

HERMETIC

GAUGE HEIGHT 15'-09"

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	15.26	0	357.67	0	715.17	0	1,072.27	0	1,429.69	0	1,787.20	0	2,144.71	0	2,502.15	0	2,859.19	0	3,216.21
1/4	19.92	1/4	365.12	1/4	722.62	1/4	1,079.71	1/4	1,437.13	1/4	1,794.65	1/4	2,152.16	1/4	2,509.59	1/4	2,866.63	1/4	3,223.62
1/2	24.57	1/2	372.57	1/2	730.07	1/2	1,087.14	1/2	1,444.58	1/2	1,802.10	1/2	2,159.61	1/2	2,517.03	1/2	2,874.07	1/2	3,231.03
3/4	29.23	3/4	380.01	3/4	737.52	3/4	1,094.58	3/4	1,452.03	3/4	1,809.54	3/4	2,167.06	3/4	2,524.47	3/4	2,881.50	3/4	3,238.44
1	33.88	1	387.46	1	744.97	1	1,102.01	1	1,459.48	1	1,816.99	1	2,174.51	1	2,531.91	1	2,888.94	1	3,245.85
1/4	40.40	1/4	394.91	1/4	752.41	1/4	1,109.45	1/4	1,466.93	1/4	1,824.44	1/4	2,181.95	1/4	2,539.35	1/4	2,896.38	1/4	3,253.26
1/2	46.91	1/2	402.36	1/2	759.86	1/2	1,116.89	1/2	1,474.37	1/2	1,831.89	1/2	2,189.40	1/2	2,546.79	1/2	2,903.82	1/2	3,260.67
3/4	53.43	3/4	409.81	3/4	767.31	3/4	1,124.34	3/4	1,481.82	3/4	1,839.34	3/4	2,196.85	3/4	2,554.22	3/4	2,911.26	3/4	3,268.08
2	59.94	2	417.25	2	774.76	2	1,131.78	2	1,489.27	2	1,846.78	2	2,204.30	2	2,561.66	2	2,918.69	2	3,275.49
1/4	67.35	1/4	424.70	1/4	782.21	1/4	1,139.22	1/4	1,496.72	1/4	1,854.23	1/4	2,211.75	1/4	2,569.10	1/4	2,926.13	1/4	3,282.90
1/2	74.77	1/2	432.15	1/2	789.65	1/2	1,146.66	1/2	1,504.17	1/2	1,861.68	1/2	2,219.19	1/2	2,576.54	1/2	2,933.57	1/2	3,290.31
3/4	82.18	3/4	439.60	3/4	797.10	3/4	1,154.11	3/4	1,511.62	3/4	1,869.13	3/4	2,226.64	3/4	2,583.98	3/4	2,941.01	3/4	3,297.71
3	89.59	3	447.05	3	804.55	3	1,161.55	3	1,519.06	3	1,876.58	3	2,234.09	3	2,591.42	3	2,948.45	3	3,305.12
1/4	97.03	1/4	454.49	1/4	812.00	1/4	1,169.00	1/4	1,526.51	1/4	1,884.03	1/4	2,241.54	1/4	2,598.86	1/4	2,955.88	1/4	3,312.53
1/2	104.46	1/2	461.94	1/2	819.45	1/2	1,176.45	1/2	1,533.96	1/2	1,891.47	1/2	2,248.99	1/2	2,606.30	1/2	2,963.32	1/2	3,319.94
3/4	111.90	3/4	469.39	3/4	826.89	3/4	1,183.89	3/4	1,541.41	3/4	1,898.92	3/4	2,256.44	3/4	2,613.74	3/4	2,970.76	3/4	3,327.35
4	119.34	4	476.84	4	834.34	4	1,191.34	4	1,548.86	4	1,906.37	4	2,263.88	4	2,621.17	4	2,978.20	4	3,334.76
1/4	126.79	1/4	484.29	1/4	841.79	1/4	1,198.79	1/4	1,556.30	1/4	1,913.82	1/4	2,271.33	1/4	2,628.61	1/4	2,985.64	1/4	3,342.17
1/2	134.23	1/2	491.73	1/2	849.24	1/2	1,206.24	1/2	1,563.75	1/2	1,921.27	1/2	2,278.78	1/2	2,636.05	1/2	2,993.07	1/2	3,349.58
3/4	141.68	3/4	499.18	3/4	856.69	3/4	1,213.69	3/4	1,571.20	3/4	1,928.71	3/4	2,286.23	3/4	2,643.49	3/4	3,000.51	3/4	3,356.99
5	149.13	5	506.63	5	864.13	5	1,221.14	5	1,578.65	5	1,936.16	5	2,293.68	5	2,650.93	5	3,007.95	5	3,364.40
1/4	156.57	1/4	514.08	1/4	871.57	1/4	1,228.58	1/4	1,586.10	1/4	1,943.61	1/4	2,301.12	1/4	2,658.37	1/4	3,015.39	1/4	3,371.81
1/2	164.02	1/2	521.53	1/2	879.00	1/2	1,236.03	1/2	1,593.55	1/2	1,951.06	1/2	2,308.57	1/2	2,665.81	1/2	3,022.82	1/2	3,379.21
3/4	171.47	3/4	528.97	3/4	886.43	3/4	1,243.48	3/4	1,600.99	3/4	1,958.51	3/4	2,316.02	3/4	2,673.24	3/4	3,030.26	3/4	3,386.62
6	178.92	6	536.42	6	893.87	6	1,250.93	6	1,608.44	6	1,965.96	6	2,323.47	6	2,680.68	6	3,037.70	6	3,394.02
1/4	186.37	1/4	543.87	1/4	901.30	1/4	1,258.38	1/4	1,615.89	1/4	1,973.40	1/4	2,330.92	1/4	2,688.12	1/4	3,045.14	1/4	3,401.42
1/2	193.81	1/2	551.32	1/2	908.74	1/2	1,265.83	1/2	1,623.34	1/2	1,980.85	1/2	2,338.37	1/2	2,695.56	1/2	3,052.58	1/2	3,408.81
3/4	201.26	3/4	558.77	3/4	916.17	3/4	1,273.27	3/4	1,630.79	3/4	1,988.30	3/4	2,345.81	3/4	2,703.00	3/4	3,060.01	3/4	3,416.21
7	208.71	7	566.21	7	923.60	7	1,280.72	7	1,638.24	7	1,995.75	7	2,353.26	7	2,710.43	7	3,067.45	7	3,423.61
1/4	216.16	1/4	573.66	1/4	931.04	1/4	1,288.17	1/4	1,645.68	1/4	2,003.20	1/4	2,360.71	1/4	2,717.87	1/4	3,074.89	1/4	3,430.78
1/2	223.61	1/2	581.11	1/2	938.47	1/2	1,295.62	1/2	1,653.13	1/2	2,010.65	1/2	2,368.16	1/2	2,725.31	1/2	3,082.33	1/2	3,437.94
3/4	231.05	3/4	588.56	3/4	945.90	3/4	1,303.07	3/4	1,660.58	3/4	2,018.09	3/4	2,375.61	3/4	2,732.75	3/4	3,089.77	3/4	3,445.11
8	238.50	8	596.01	8	953.34	8	1,310.51	8	1,668.03	8	2,025.54	8	2,383.06	8	2,740.18	8	3,097.20	8	3,452.28
1/4	245.95	1/4	603.45	1/4	960.77	1/4	1,317.96	1/4	1,675.48	1/4	2,032.99	1/4	2,390.50	1/4	2,747.62	1/4	3,104.64	1/4	3,458.97
1/2	253.40	1/2	610.90	1/2	968.20	1/2	1,325.41	1/2	1,682.92	1/2	2,040.44	1/2	2,397.95	1/2	2,755.06	1/2	3,112.08	1/2	3,465.67
3/4	260.85	3/4	618.35	3/4	975.64	3/4	1,332.86	3/4	1,690.37	3/4	2,047.89	3/4	2,405.40	3/4	2,762.50	3/4	3,119.52	3/4	3,472.36
9	268.29	9	625.80	9	983.07	9	1,340.31	9	1,697.82	9	2,055.33	9	2,412.85	9	2,769.94	9	3,126.96	9	3,479.05
1/4	275.74	1/4	633.25	1/4	990.50	1/4	1,347.76	1/4	1,705.27	1/4	2,062.78	1/4	2,420.30	1/4	2,777.37	1/4	3,134.39	1/4	3,485.26
1/2	283.19	1/2	640.69	1/2	997.94	1/2	1,355.20	1/2	1,712.72	1/2	2,070.23	1/2	2,427.74	1/2	2,784.81	1/2	3,141.83	1/2	3,491.47
3/4	290.64	3/4	648.14	3/4	1,005.37	3/4	1,362.65	3/4	1,720.17	3/4	2,077.68	3/4	2,435.19	3/4	2,792.25	3/4	3,149.27	3/4	3,497.68
10	298.09	10	655.59	10	1,012.81	10	1,370.10	10	1,727.61	10	2,085.13	10	2,442.64	10	2,799.69	10	3,156.71	10	3,503.89
1/4	305.53	1/4	663.04	1/4	1,020.24	1/4	1,377.55	1/4	1,735.06	1/4	2,092.58	1/4	2,450.08	1/4	2,807.13	1/4	3,164.14	1/4	3,509.63
1/2	312.98	1/2	670.49	1/2	1,027.67	1/2	1,385.00	1/2	1,742.51	1/2	2,100.02	1/2	2,457.52	1/2	2,814.56	1/2	3,171.58	1/2	3,515.36
3/4	320.43	3/4	677.93	3/4	1,035.11	3/4	1,392.44	3/4	1,749.96	3/4	2,107.47	3/4	2,464.96	3/4	2,822.00	3/4	3,179.02	3/4	3,521.09
11	327.88	11	685.38	11	1,042.54	11	1,399.89	11	1,757.41	11	2,114.92	11	2,472.40	11	2,829.44	11	3,186.46	11	3,526.83
1/4	335.33	1/4	692.83	1/4	1,049.97	1/4	1,407.34	1/4	1,764.85	1/4	2,122.37	1/4	2,479.84	1/4	2,836.88	1/4	3,193.90	1/4	3,532.08
1/2	342.77	1/2	700.28	1/2	1,057.41	1/2	1,414.79	1/2	1,772.30	1/2	2,129.82	1/2	2,487.27	1/2	2,844.32	1/2	3,201.33	1/2	3,537.33
3/4	350.22	3/4	707.73	3/4	1,064.84	3/4	1,422.24	3/4	1,779.75	3/4	2,137.26	3/4	2,494.71	3/4	2,851.75	3/4	3,208.77	3/4	3,542.59

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 INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "TMTB 109"

3 STBD

INNAGE TABLE

HERMETIC

GAUGE HEIGHT 15'-09"

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	3,547.84	0	3,768.28	0	3,987.37	0	4,206.25	0	4,424.02	0		0		0		0		0	
1/4	3,552.65	1/4	3,772.86	1/4	3,991.93	1/4	4,210.81	1/4	4,428.49	1/4		1/4		1/4		1/4		1/4	
1/2	3,557.47	1/2	3,777.43	1/2	3,996.49	1/2	4,215.37	1/2	4,432.96	1/2		1/2		1/2		1/2		1/2	
3/4	3,562.28	3/4	3,782.00	3/4	4,001.05	3/4	4,219.93	3/4	4,437.43	3/4		3/4		3/4		3/4		3/4	
1	3,567.09	1	3,786.57	1	4,005.61	1	4,224.49	1	4,441.91	1		1		1		1		1	
1/4	3,571.66	1/4	3,791.15	1/4	4,010.17	1/4	4,229.05	1/4	4,445.85	1/4		1/4		1/4		1/4		1/4	
1/2	3,576.24	1/2	3,795.72	1/2	4,014.73	1/2	4,233.61	1/2	4,449.79	1/2		1/2		1/2		1/2		1/2	
3/4	3,580.81	3/4	3,800.29	3/4	4,019.29	3/4	4,238.17	3/4	4,453.74	3/4		3/4		3/4		3/4		3/4	
2	3,585.38	2	3,804.87	2	4,023.85	2	4,242.73	2	4,457.68	2		2		2		2		2	
1/4	3,589.95	1/4	3,809.44	1/4	4,028.41	1/4	4,247.29	1/4	4,460.87	1/4		1/4		1/4		1/4		1/4	
1/2	3,594.53	1/2	3,814.01	1/2	4,032.97	1/2	4,251.85	1/2	4,464.05	1/2		1/2		1/2		1/2		1/2	
3/4	3,599.10	3/4	3,818.58	3/4	4,037.53	3/4	4,256.41	3/4	4,467.23	3/4		3/4		3/4		3/4		3/4	
3	3,603.67	3	3,823.16	3	4,042.09	3	4,260.97	3	4,470.41	3		3		3		3		3	
1/4	3,608.24	1/4	3,827.73	1/4	4,046.65	1/4	4,265.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,612.82	1/2	3,832.30	1/2	4,051.21	1/2	4,270.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,617.39	3/4	3,836.87	3/4	4,055.77	3/4	4,274.65	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,621.96	4	3,841.45	4	4,060.33	4	4,279.21	4		4		4		4		4		4	
1/4	3,626.53	1/4	3,846.01	1/4	4,064.89	1/4	4,283.77	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,631.11	1/2	3,850.57	1/2	4,069.45	1/2	4,288.33	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,635.68	3/4	3,855.13	3/4	4,074.01	3/4	4,292.89	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,640.25	5	3,859.69	5	4,078.57	5	4,297.45	5		5		5		5		5		5	
1/4	3,644.82	1/4	3,864.25	1/4	4,083.13	1/4	4,302.01	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,649.40	1/2	3,868.81	1/2	4,087.69	1/2	4,306.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,653.97	3/4	3,873.37	3/4	4,092.25	3/4	4,311.13	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,658.54	6	3,877.93	6	4,096.81	6	4,315.69	6		6		6		6		6		6	
1/4	3,663.11	1/4	3,882.49	1/4	4,101.37	1/4	4,320.20	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,667.69	1/2	3,887.05	1/2	4,105.93	1/2	4,324.72	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,672.26	3/4	3,891.61	3/4	4,110.49	3/4	4,329.23	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,676.83	7	3,896.17	7	4,115.05	7	4,333.75	7		7		7		7		7		7	
1/4	3,681.40	1/4	3,900.73	1/4	4,119.61	1/4	4,338.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,685.98	1/2	3,905.29	1/2	4,124.17	1/2	4,342.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,690.55	3/4	3,909.85	3/4	4,128.73	3/4	4,347.29	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,695.12	8	3,914.41	8	4,133.29	8	4,351.80	8		8		8		8		8		8	
1/4	3,699.70	1/4	3,918.97	1/4	4,137.85	1/4	4,356.32	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,704.27	1/2	3,923.53	1/2	4,142.41	1/2	4,360.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,708.84	3/4	3,928.09	3/4	4,146.97	3/4	4,365.35	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,713.41	9	3,932.65	9	4,151.53	9	4,369.86	9		9		9		9		9		9	
1/4	3,717.99	1/4	3,937.21	1/4	4,156.09	1/4	4,374.38	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,722.56	1/2	3,941.77	1/2	4,160.65	1/2	4,378.90	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,727.13	3/4	3,946.33	3/4	4,165.21	3/4	4,383.41	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,731.70	10	3,950.89	10	4,169.77	10	4,387.93	10		10		10		10		10		10	
1/4	3,736.28	1/4	3,955.45	1/4	4,174.33	1/4	4,392.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,740.85	1/2	3,960.01	1/2	4,178.89	1/2	4,396.96	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,745.42	3/4	3,964.57	3/4	4,183.45	3/4	4,401.47	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,749.99	11	3,969.13	11	4,188.01	11	4,405.99	11		11		11		11		11		11	
1/4	3,754.57	1/4	3,973.69	1/4	4,192.57	1/4	4,410.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,759.14	1/2	3,978.25	1/2	4,197.13	1/2	4,415.00	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,763.71	3/4	3,982.81	3/4	4,201.69	3/4	4,419.51	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/28/2020 CL
CALCULATED: 10/29/2020 CL
PRINTED: 10/29/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2020

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BARGE "TMTB 109"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 4'-06 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	101	0	259	0	416	0	517	0		0		0		0		0	
1/4	1	1/4	104	1/4	262	1/4	419	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1	1/2	107	1/2	265	1/2	422	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	110	3/4	269	3/4	425	3/4		3/4		3/4		3/4		3/4		3/4	
1	3	1	113	1	272	1	428	1		1		1		1		1		1	
1/4	4	1/4	116	1/4	276	1/4	430	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	5	1/2	119	1/2	279	1/2	433	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	6	3/4	122	3/4	282	3/4	436	3/4		3/4		3/4		3/4		3/4		3/4	
2	7	2	125	2	286	2	439	2		2		2		2		2		2	
1/4	9	1/4	129	1/4	289	1/4	442	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	10	1/2	132	1/2	293	1/2	444	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	12	3/4	135	3/4	296	3/4	447	3/4		3/4		3/4		3/4		3/4		3/4	
3	13	3	138	3	300	3	450	3		3		3		3		3		3	
1/4	15	1/4	141	1/4	303	1/4	453	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	17	1/2	144	1/2	306	1/2	455	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	19	3/4	148	3/4	310	3/4	458	3/4		3/4		3/4		3/4		3/4		3/4	
4	21	4	151	4	313	4	460	4		4		4		4		4		4	
1/4	23	1/4	154	1/4	316	1/4	463	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	25	1/2	157	1/2	320	1/2	465	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	27	3/4	161	3/4	323	3/4	468	3/4		3/4		3/4		3/4		3/4		3/4	
5	29	5	164	5	327	5	470	5		5		5		5		5		5	
1/4	31	1/4	167	1/4	330	1/4	473	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	33	1/2	170	1/2	333	1/2	475	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	35	3/4	174	3/4	337	3/4	477	3/4		3/4		3/4		3/4		3/4		3/4	
6	37	6	177	6	340	6	480	6		6		6		6		6		6	
1/4	40	1/4	180	1/4	343	1/4	482	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	42	1/2	184	1/2	347	1/2	484	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	44	3/4	187	3/4	350	3/4	486	3/4		3/4		3/4		3/4		3/4		3/4	
7	47	7	190	7	353	7	488	7		7		7		7		7		7	
1/4	49	1/4	194	1/4	356	1/4	490	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	52	1/2	197	1/2	360	1/2	492	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	54	3/4	201	3/4	363	3/4	494	3/4		3/4		3/4		3/4		3/4		3/4	
8	57	8	204	8	366	8	496	8		8		8		8		8		8	
1/4	59	1/4	207	1/4	369	1/4	498	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	62	1/2	211	1/2	373	1/2	500	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	64	3/4	214	3/4	376	3/4	502	3/4		3/4		3/4		3/4		3/4		3/4	
9	67	9	217	9	379	9	504	9		9		9		9		9		9	
1/4	70	1/4	221	1/4	382	1/4	505	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	73	1/2	224	1/2	385	1/2	507	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	75	3/4	228	3/4	388	3/4	508	3/4		3/4		3/4		3/4		3/4		3/4	
10	78	10	231	10	392	10	510	10		10		10		10		10		10	
1/4	81	1/4	235	1/4	395	1/4	511	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	84	1/2	238	1/2	398	1/2	512	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	87	3/4	241	3/4	401	3/4	513	3/4		3/4		3/4		3/4		3/4		3/4	
11	89	11	245	11	404	11	514	11		11		11		11		11		11	
1/4	92	1/4	248	1/4	407	1/4	515	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	95	1/2	252	1/2	410	1/2	516	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	98	3/4	255	3/4	413	3/4	516	3/4		3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE.

STRAPPED: 10/28/2020 CL
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CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2020

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "TMTB 109"

SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-08 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	603	0	1,423	0	2,286	0	3,074	0		0		0		0		0	
1/4	7	1/4	619	1/4	1,441	1/4	2,303	1/4	3,088	1/4		1/4		1/4		1/4		1/4	
1/2	15	1/2	635	1/2	1,459	1/2	2,321	1/2	3,102	1/2		1/2		1/2		1/2		1/2	
3/4	22	3/4	651	3/4	1,477	3/4	2,339	3/4	3,117	3/4		3/4		3/4		3/4		3/4	
1	30	1	667	1	1,495	1	2,356	1	3,131	1		1		1		1		1	
1/4	39	1/4	683	1/4	1,513	1/4	2,374	1/4	3,145	1/4		1/4		1/4		1/4		1/4	
1/2	48	1/2	699	1/2	1,531	1/2	2,391	1/2	3,159	1/2		1/2		1/2		1/2		1/2	
3/4	58	3/4	715	3/4	1,549	3/4	2,408	3/4	3,173	3/4		3/4		3/4		3/4		3/4	
2	67	2	732	2	1,567	2	2,426	2	3,187	2		2		2		2		2	
1/4	78	1/4	748	1/4	1,585	1/4	2,443	1/4	3,200	1/4		1/4		1/4		1/4		1/4	
1/2	88	1/2	764	1/2	1,603	1/2	2,460	1/2	3,214	1/2		1/2		1/2		1/2		1/2	
3/4	99	3/4	781	3/4	1,621	3/4	2,478	3/4	3,227	3/4		3/4		3/4		3/4		3/4	
3	109	3	797	3	1,639	3	2,495	3	3,240	3		3		3		3		3	
1/4	120	1/4	814	1/4	1,657	1/4	2,512	1/4	3,253	1/4		1/4		1/4		1/4		1/4	
1/2	132	1/2	831	1/2	1,675	1/2	2,529	1/2	3,266	1/2		1/2		1/2		1/2		1/2	
3/4	143	3/4	847	3/4	1,693	3/4	2,546	3/4	3,279	3/4		3/4		3/4		3/4		3/4	
4	155	4	864	4	1,711	4	2,563	4	3,292	4		4		4		4		4	
1/4	167	1/4	881	1/4	1,729	1/4	2,580	1/4	3,304	1/4		1/4		1/4		1/4		1/4	
1/2	179	1/2	898	1/2	1,747	1/2	2,597	1/2	3,316	1/2		1/2		1/2		1/2		1/2	
3/4	191	3/4	915	3/4	1,766	3/4	2,614	3/4	3,328	3/4		3/4		3/4		3/4		3/4	
5	203	5	932	5	1,784	5	2,631	5	3,340	5		5		5		5		5	
1/4	216	1/4	949	1/4	1,802	1/4	2,648	1/4	3,352	1/4		1/4		1/4		1/4		1/4	
1/2	229	1/2	966	1/2	1,820	1/2	2,664	1/2	3,363	1/2		1/2		1/2		1/2		1/2	
3/4	242	3/4	983	3/4	1,838	3/4	2,681	3/4	3,374	3/4		3/4		3/4		3/4		3/4	
6	254	6	1,000	6	1,856	6	2,698	6	3,386	6		6		6		6		6	
1/4	268	1/4	1,017	1/4	1,874	1/4	2,714	1/4	3,396	1/4		1/4		1/4		1/4		1/4	
1/2	281	1/2	1,035	1/2	1,892	1/2	2,730	1/2	3,407	1/2		1/2		1/2		1/2		1/2	
3/4	295	3/4	1,052	3/4	1,910	3/4	2,747	3/4	3,417	3/4		3/4		3/4		3/4		3/4	
7	308	7	1,069	7	1,928	7	2,763	7	3,428	7		7		7		7		7	
1/4	322	1/4	1,086	1/4	1,946	1/4	2,779	1/4	3,437	1/4		1/4		1/4		1/4		1/4	
1/2	336	1/2	1,104	1/2	1,964	1/2	2,796	1/2	3,446	1/2		1/2		1/2		1/2		1/2	
3/4	350	3/4	1,121	3/4	1,982	3/4	2,812	3/4	3,456	3/4		3/4		3/4		3/4		3/4	
8	364	8	1,139	8	2,000	8	2,828	8	3,465	8		8		8		8		8	
1/4	378	1/4	1,156	1/4	2,018	1/4	2,844	1/4	3,472	1/4		1/4		1/4		1/4		1/4	
1/2	392	1/2	1,174	1/2	2,036	1/2	2,860	1/2	3,480	1/2		1/2		1/2		1/2		1/2	
3/4	407	3/4	1,192	3/4	2,054	3/4	2,876	3/4	3,487	3/4		3/4		3/4		3/4		3/4	
9	421	9	1,209	9	2,072	9	2,891	9	3,495	9		9		9		9		9	
1/4	436	1/4	1,227	1/4	2,090	1/4	2,907	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	451	1/2	1,244	1/2	2,108	1/2	2,923	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	466	3/4	1,262	3/4	2,126	3/4	2,938	3/4		3/4		3/4		3/4		3/4		3/4	
10	480	10	1,280	10	2,144	10	2,954	10		10		10		10		10		10	
1/4	496	1/4	1,298	1/4	2,162	1/4	2,969	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	511	1/2	1,316	1/2	2,179	1/2	2,984	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	526	3/4	1,333	3/4	2,197	3/4	2,999	3/4		3/4		3/4		3/4		3/4		3/4	
11	541	11	1,351	11	2,215	11	3,014	11		11		11		11		11		11	
1/4	557	1/4	1,369	1/4	2,233	1/4	3,029	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	572	1/2	1,387	1/2	2,250	1/2	3,044	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	588	3/4	1,405	3/4	2,268	3/4	3,059	3/4		3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP 2" HERMETIC VALVE

STRAPPED: 10/28/2020 CL

CALCULATED: 10/29/2020 CL

PRINTED: 10/29/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2020

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "TMTB 109"

ULLAGE (10" HATCH)

	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	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-1/8	06-1/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8
1 STBD	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-1/8	06-1/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8
2 PORT	- 02-0/8	02-0/8	- 04-1/8	04-1/8	- 06-1/8	06-1/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/4	12-1/4
2 STBD	- 02-0/8	02-0/8	- 04-1/8	04-1/8	- 06-1/8	06-1/8	- 08-1/8	08-1/8	- 10-1/4	10-1/4	- 12-1/4	12-1/4
3 PORT	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-1/8	- 06-1/8	08-1/8	- 08-1/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8
3 STBD	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-1/8	- 06-1/8	08-1/8	- 08-1/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8

(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 08-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-08 1/8"

LENGTH BETWEEN DRAFT MARKS: 235'-09"

October 28, 2020

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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 Pearland, Texas 77588

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BARGE "TMTB 109"

1 PORT ULLAGE TABLE

10" HATCH GAUGE HEIGHT 17'-07"

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	5,046.75	0	4,750.10	0	4,393.21	0	4,036.32	0	3,678.52	0	3,320.59	0	2,962.65
1/4		1/4		1/4		1/4	5,044.67	1/4	4,742.66	1/4	4,385.77	1/4	4,028.89	1/4	3,671.07	1/4	3,313.13	1/4	2,955.19
1/2		1/2		1/2		1/2	5,042.59	1/2	4,735.23	1/2	4,378.34	1/2	4,021.45	1/2	3,663.61	1/2	3,305.67	1/2	2,947.74
3/4		3/4		3/4		3/4	5,040.51	3/4	4,727.79	3/4	4,370.90	3/4	4,014.01	3/4	3,656.15	3/4	3,298.22	3/4	2,940.28
1		1		1		1	5,038.43	1	4,720.36	1	4,363.47	1	4,006.58	1	3,648.70	1	3,290.76	1	2,932.82
1/4		1/4		1/4		1/4	5,035.11	1/4	4,712.92	1/4	4,356.03	1/4	3,999.14	1/4	3,641.24	1/4	3,283.30	1/4	2,925.37
1/2		1/2		1/2		1/2	5,031.78	1/2	4,705.49	1/2	4,348.60	1/2	3,991.69	1/2	3,633.78	1/2	3,275.85	1/2	2,917.91
3/4		3/4		3/4		3/4	5,028.46	3/4	4,698.05	3/4	4,341.16	3/4	3,984.25	3/4	3,626.32	3/4	3,268.39	3/4	2,910.45
2		2		2		2	5,025.14	2	4,690.62	2	4,333.73	2	3,976.80	2	3,618.87	2	3,260.93	2	2,903.00
1/4		1/4		1/4		1/4	5,020.57	1/4	4,683.18	1/4	4,326.29	1/4	3,969.35	1/4	3,611.41	1/4	3,253.47	1/4	2,895.54
1/2		1/2		1/2		1/2	5,016.01	1/2	4,675.75	1/2	4,318.86	1/2	3,961.89	1/2	3,603.95	1/2	3,246.02	1/2	2,888.08
3/4		3/4		3/4		3/4	5,011.44	3/4	4,668.31	3/4	4,311.42	3/4	3,954.43	3/4	3,596.50	3/4	3,238.56	3/4	2,880.62
3		3		3		3	5,006.87	3	4,660.88	3	4,303.99	3	3,946.98	3	3,589.04	3	3,231.10	3	2,873.17
1/4		1/4		1/4		1/4	5,001.06	1/4	4,653.44	1/4	4,296.55	1/4	3,939.52	1/4	3,581.58	1/4	3,223.65	1/4	2,865.71
1/2		1/2		1/2		1/2	4,995.25	1/2	4,646.01	1/2	4,289.12	1/2	3,932.06	1/2	3,574.13	1/2	3,216.19	1/2	2,858.25
3/4		3/4		3/4		3/4	4,989.44	3/4	4,638.57	3/4	4,281.68	3/4	3,924.60	3/4	3,566.67	3/4	3,208.73	3/4	2,850.80
4		4		4		4	4,983.63	4	4,631.14	4	4,274.25	4	3,917.15	4	3,559.21	4	3,201.28	4	2,843.34
1/4		1/4		1/4		1/4	4,976.77	1/4	4,623.70	1/4	4,266.81	1/4	3,909.69	1/4	3,551.75	1/4	3,193.82	1/4	2,835.88
1/2		1/2		1/2		1/2	4,969.91	1/2	4,616.27	1/2	4,259.38	1/2	3,902.23	1/2	3,544.30	1/2	3,186.36	1/2	2,828.43
3/4		3/4		3/4		3/4	4,963.05	3/4	4,608.83	3/4	4,251.94	3/4	3,894.78	3/4	3,536.84	3/4	3,178.90	3/4	2,820.97
5		5		5		5	4,956.19	5	4,601.40	5	4,244.51	5	3,887.32	5	3,529.38	5	3,171.45	5	2,813.51
1/4		1/4		1/4		1/4	4,948.87	1/4	4,593.96	1/4	4,237.07	1/4	3,879.86	1/4	3,521.93	1/4	3,163.99	1/4	2,806.05
1/2		1/2		1/2		1/2	4,941.54	1/2	4,586.53	1/2	4,229.64	1/2	3,872.41	1/2	3,514.47	1/2	3,156.53	1/2	2,798.60
3/4		3/4		3/4		3/4	4,934.22	3/4	4,579.09	3/4	4,222.20	3/4	3,864.95	3/4	3,507.01	3/4	3,149.08	3/4	2,791.14
6		6		6		6	4,926.90	6	4,571.65	6	4,214.77	6	3,857.49	6	3,499.56	6	3,141.62	6	2,783.68
1/4		1/4		1/4		1/4	4,919.55	1/4	4,564.22	1/4	4,207.33	1/4	3,850.03	1/4	3,492.10	1/4	3,134.16	1/4	2,776.23
1/2		1/2		1/2		1/2	4,912.19	1/2	4,556.78	1/2	4,199.89	1/2	3,842.58	1/2	3,484.64	1/2	3,126.71	1/2	2,768.77
3/4		3/4		3/4		3/4	4,904.84	3/4	4,549.35	3/4	4,192.46	3/4	3,835.12	3/4	3,477.18	3/4	3,119.25	3/4	2,761.31
7		7		7		7	4,897.48	7	4,541.91	7	4,185.02	7	3,827.66	7	3,469.73	7	3,111.79	7	2,753.86
1/4		1/4		1/4		1/4	4,890.12	1/4	4,534.48	1/4	4,177.59	1/4	3,820.21	1/4	3,462.27	1/4	3,104.33	1/4	2,746.40
1/2		1/2		1/2		1/2	4,882.76	1/2	4,527.04	1/2	4,170.15	1/2	3,812.75	1/2	3,454.81	1/2	3,096.88	1/2	2,738.94
3/4		3/4		3/4		3/4	4,875.40	3/4	4,519.61	3/4	4,162.72	3/4	3,805.29	3/4	3,447.36	3/4	3,089.42	3/4	2,731.48
8		8		8		8	4,868.04	8	4,512.17	8	4,155.28	8	3,797.84	8	3,439.90	8	3,081.96	8	2,724.03
1/4		1/4		1/4		1/4	4,860.67	1/4	4,504.74	1/4	4,147.85	1/4	3,790.38	1/4	3,432.44	1/4	3,074.51	1/4	2,716.57
1/2		1/2		1/2		1/2	4,853.31	1/2	4,497.30	1/2	4,140.41	1/2	3,782.92	1/2	3,424.99	1/2	3,067.05	1/2	2,709.11
3/4		3/4		3/4		3/4	4,845.95	3/4	4,489.87	3/4	4,132.98	3/4	3,775.46	3/4	3,417.53	3/4	3,059.59	3/4	2,701.66
9		9		9		9	4,838.59	9	4,482.43	9	4,125.54	9	3,768.01	9	3,410.07	9	3,052.14	9	2,694.20
1/4		1/4		1/4		1/4	4,831.23	1/4	4,475.00	1/4	4,118.11	1/4	3,760.55	1/4	3,402.61	1/4	3,044.68	1/4	2,686.74
1/2		1/2		1/2		1/2	4,823.86	1/2	4,467.56	1/2	4,110.67	1/2	3,753.09	1/2	3,395.16	1/2	3,037.22	1/2	2,679.29
3/4		3/4		3/4		3/4	4,816.50	3/4	4,460.13	3/4	4,103.24	3/4	3,745.64	3/4	3,387.70	3/4	3,029.76	3/4	2,671.83
10		10		10		10	4,809.14	10	4,452.69	10	4,095.80	10	3,738.18	10	3,380.24	10	3,022.31	10	2,664.37
1/4		1/4		1/4		1/4	4,801.78	1/4	4,445.26	1/4	4,088.37	1/4	3,730.72	1/4	3,372.79	1/4	3,014.85	1/4	2,656.91
1/2		1/2		1/2		1/2	4,794.42	1/2	4,437.82	1/2	4,080.93	1/2	3,723.27	1/2	3,365.33	1/2	3,007.39	1/2	2,649.46
3/4		3/4		3/4		3/4	4,787.06	3/4	4,430.39	3/4	4,073.50	3/4	3,715.81	3/4	3,357.87	3/4	2,999.94	3/4	2,642.00
11		11		11		11	4,779.70	11	4,422.95	11	4,066.06	11	3,708.35	11	3,350.42	11	2,992.48	11	2,634.54
1/4		1/4		1/4		1/4	4,772.30	1/4	4,415.52	1/4	4,058.63	1/4	3,700.89	1/4	3,342.96	1/4	2,985.02	1/4	2,627.09
1/2		1/2		1/2		1/2	4,764.90	1/2	4,408.08	1/2	4,051.19	1/2	3,693.44	1/2	3,335.50	1/2	2,977.57	1/2	2,619.63
3/4		3/4		3/4		3/4	4,757.50	3/4	4,400.65	3/4	4,043.76	3/4	3,685.98	3/4	3,328.04	3/4	2,970.11	3/4	2,612.17

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 10" HATCH ON EXPANSION DOME.

GAUGE POINT: (10" HATCH) LOCATED 3'-00" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "TMTB 109"

1 PORT
ULLAGE TABLE
10" HATCH
GAUGE HEIGHT 17'-07"

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	2,604.72	0	2,246.68	0	1,888.65	0	1,530.61	0	1,172.58	0	816.77	0	459.54	0	133.02	0		0	
1/4	2,597.26	1/4	2,239.22	1/4	1,881.19	1/4	1,523.16	1/4	1,165.12	1/4	809.36	1/4	452.26	1/4	126.79	1/4		1/4	
1/2	2,589.80	1/2	2,231.76	1/2	1,873.73	1/2	1,515.70	1/2	1,157.66	1/2	801.96	1/2	444.97	1/2	120.55	1/2		1/2	
3/4	2,582.33	3/4	2,224.30	3/4	1,866.27	3/4	1,508.24	3/4	1,150.21	3/4	794.56	3/4	437.69	3/4	114.32	3/4		3/4	
1	2,574.87	1	2,216.84	1	1,858.81	1	1,500.78	1	1,142.75	1	787.15	1	430.41	1	108.09	1		1	
1/4	2,567.42	1/4	2,209.38	1/4	1,851.35	1/4	1,493.32	1/4	1,135.30	1/4	779.72	1/4	423.21	1/4	101.95	1/4		1/4	
1/2	2,559.96	1/2	2,201.92	1/2	1,843.89	1/2	1,485.86	1/2	1,127.86	1/2	772.28	1/2	416.01	1/2	95.81	1/2		1/2	
3/4	2,552.50	3/4	2,194.47	3/4	1,836.43	3/4	1,478.40	3/4	1,120.42	3/4	764.85	3/4	408.82	3/4	89.67	3/4		3/4	
2	2,545.04	2	2,187.01	2	1,828.97	2	1,470.94	2	1,112.97	2	757.42	2	401.62	2	83.53	2		2	
1/4	2,537.58	1/4	2,179.55	1/4	1,821.52	1/4	1,463.48	1/4	1,105.55	1/4	749.96	1/4	394.51	1/4	77.49	1/4		1/4	
1/2	2,530.12	1/2	2,172.09	1/2	1,814.06	1/2	1,456.02	1/2	1,098.12	1/2	742.50	1/2	387.40	1/2	71.46	1/2		1/2	
3/4	2,522.66	3/4	2,164.63	3/4	1,806.60	3/4	1,448.57	3/4	1,090.69	3/4	735.04	3/4	380.29	3/4	65.42	3/4		3/4	
3	2,515.20	3	2,157.17	3	1,799.14	3	1,441.11	3	1,083.26	3	727.58	3	373.19	3	59.39	3		3	
1/4	2,507.74	1/4	2,149.71	1/4	1,791.68	1/4	1,433.65	1/4	1,075.84	1/4	720.12	1/4	366.16	1/4	53.90	1/4		1/4	
1/2	2,500.28	1/2	2,142.25	1/2	1,784.22	1/2	1,426.19	1/2	1,068.43	1/2	712.66	1/2	359.14	1/2	48.41	1/2		1/2	
3/4	2,492.83	3/4	2,134.79	3/4	1,776.76	3/4	1,418.73	3/4	1,061.01	3/4	705.20	3/4	352.12	3/4	42.93	3/4		3/4	
4	2,485.37	4	2,127.33	4	1,769.30	4	1,411.27	4	1,053.59	4	697.75	4	345.10	4	37.44	4		4	
1/4	2,477.91	1/4	2,119.88	1/4	1,761.84	1/4	1,403.81	1/4	1,046.19	1/4	690.29	1/4	338.17	1/4	33.42	1/4		1/4	
1/2	2,470.45	1/2	2,112.42	1/2	1,754.38	1/2	1,396.35	1/2	1,038.78	1/2	682.83	1/2	331.23	1/2	29.40	1/2		1/2	
3/4	2,462.99	3/4	2,104.96	3/4	1,746.93	3/4	1,388.89	3/4	1,031.38	3/4	675.37	3/4	324.30	3/4	25.39	3/4		3/4	
5	2,455.53	5	2,097.50	5	1,739.47	5	1,381.43	5	1,023.97	5	667.91	5	317.36	5	21.37	5		5	
1/4	2,448.07	1/4	2,090.04	1/4	1,732.01	1/4	1,373.98	1/4	1,016.57	1/4	660.45	1/4	310.52	1/4	18.45	1/4		1/4	
1/2	2,440.61	1/2	2,082.58	1/2	1,724.55	1/2	1,366.52	1/2	1,009.17	1/2	652.99	1/2	303.67	1/2	15.53	1/2		1/2	
3/4	2,433.15	3/4	2,075.12	3/4	1,717.09	3/4	1,359.06	3/4	1,001.77	3/4	645.53	3/4	296.83	3/4	12.61	3/4		3/4	
6	2,425.69	6	2,067.66	6	1,709.63	6	1,351.60	6	994.37	6	638.08	6	289.98	6	9.69	6		6	
1/4	2,418.24	1/4	2,060.20	1/4	1,702.17	1/4	1,344.14	1/4	986.97	1/4	630.62	1/4	283.22	1/4	7.82	1/4		1/4	
1/2	2,410.78	1/2	2,052.74	1/2	1,694.71	1/2	1,336.68	1/2	979.57	1/2	623.16	1/2	276.46	1/2	5.96	1/2		1/2	
3/4	2,403.32	3/4	2,045.29	3/4	1,687.25	3/4	1,329.22	3/4	972.17	3/4	615.70	3/4	269.70	3/4	4.10	3/4		3/4	
7	2,395.86	7	2,037.83	7	1,679.79	7	1,321.76	7	964.77	7	608.24	7	262.94	7	2.23	7		7	
1/4	2,388.40	1/4	2,030.37	1/4	1,672.34	1/4	1,314.30	1/4	957.37	1/4	600.78	1/4	256.27	1/4		1/4		1/4	
1/2	2,380.94	1/2	2,022.91	1/2	1,664.88	1/2	1,306.84	1/2	949.97	1/2	593.33	1/2	249.60	1/2		1/2		1/2	
3/4	2,373.48	3/4	2,015.45	3/4	1,657.42	3/4	1,299.39	3/4	942.57	3/4	585.87	3/4	242.93	3/4		3/4		3/4	
8	2,366.02	8	2,007.99	8	1,649.96	8	1,291.93	8	935.17	8	578.42	8	236.26	8		8		8	
1/4	2,358.56	1/4	2,000.53	1/4	1,642.50	1/4	1,284.47	1/4	927.77	1/4	570.96	1/4	229.68	1/4		1/4		1/4	
1/2	2,351.10	1/2	1,993.07	1/2	1,635.04	1/2	1,277.01	1/2	920.37	1/2	563.51	1/2	223.09	1/2		1/2		1/2	
3/4	2,343.65	3/4	1,985.61	3/4	1,627.58	3/4	1,269.55	3/4	912.97	3/4	556.06	3/4	216.51	3/4		3/4		3/4	
9	2,336.19	9	1,978.15	9	1,620.12	9	1,262.09	9	905.57	9	548.60	9	209.92	9		9		9	
1/4	2,328.73	1/4	1,970.70	1/4	1,612.66	1/4	1,254.63	1/4	898.17	1/4	541.15	1/4	203.43	1/4		1/4		1/4	
1/2	2,321.27	1/2	1,963.24	1/2	1,605.20	1/2	1,247.17	1/2	890.77	1/2	533.69	1/2	196.93	1/2		1/2		1/2	
3/4	2,313.81	3/4	1,955.78	3/4	1,597.75	3/4	1,239.71	3/4	883.37	3/4	526.23	3/4	190.44	3/4		3/4		3/4	
10	2,306.35	10	1,948.32	10	1,590.29	10	1,232.25	10	875.97	10	518.78	10	183.94	10		10		10	
1/4	2,298.89	1/4	1,940.86	1/4	1,582.83	1/4	1,224.80	1/4	868.57	1/4	511.34	1/4	177.53	1/4		1/4		1/4	
1/2	2,291.43	1/2	1,933.40	1/2	1,575.37	1/2	1,217.34	1/2	861.17	1/2	503.90	1/2	171.12	1/2		1/2		1/2	
3/4	2,283.97	3/4	1,925.94	3/4	1,567.91	3/4	1,209.88	3/4	853.77	3/4	496.47	3/4	164.71	3/4		3/4		3/4	
11	2,276.51	11	1,918.48	11	1,560.45	11	1,202.42	11	846.37	11	489.03	11	158.30	11		11		11	
1/4	2,269.06	1/4	1,911.02	1/4	1,552.99	1/4	1,194.96	1/4	838.97	1/4	481.66	1/4	151.98	1/4		1/4		1/4	
1/2	2,261.60	1/2	1,903.56	1/2	1,545.53	1/2	1,187.50	1/2	831.57	1/2	474.29	1/2	145.66	1/2		1/2		1/2	
3/4	2,254.14	3/4	1,896.11	3/4	1,538.07	3/4	1,180.04	3/4	824.17	3/4	466.91	3/4	139.34	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/28/2020 CL
CALCULATED: 10/29/2020 CL
PRINTED: 10/29/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "TMTB 109"

1 STBD ULLAGE TABLE

10" HATCH GAUGE HEIGHT 17'-07"

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	5,049.96	0	4,753.25	0	4,396.28	0	4,039.31	0	3,681.43	0	3,323.41	0	2,965.39
1/4		1/4		1/4		1/4	5,047.88	1/4	4,745.81	1/4	4,388.84	1/4	4,031.87	1/4	3,673.97	1/4	3,315.95	1/4	2,957.93
1/2		1/2		1/2		1/2	5,045.80	1/2	4,738.37	1/2	4,381.40	1/2	4,024.43	1/2	3,666.51	1/2	3,308.49	1/2	2,950.48
3/4		3/4		3/4		3/4	5,043.72	3/4	4,730.94	3/4	4,373.97	3/4	4,016.99	3/4	3,659.05	3/4	3,301.03	3/4	2,943.02
1		1		1		1	5,041.64	1	4,723.50	1	4,366.53	1	4,009.56	1	3,651.59	1	3,293.58	1	2,935.56
1/4		1/4		1/4		1/4	5,038.32	1/4	4,716.06	1/4	4,359.09	1/4	4,002.11	1/4	3,644.13	1/4	3,286.12	1/4	2,928.10
1/2		1/2		1/2		1/2	5,034.99	1/2	4,708.63	1/2	4,351.66	1/2	3,994.67	1/2	3,636.68	1/2	3,278.66	1/2	2,920.64
3/4		3/4		3/4		3/4	5,031.67	3/4	4,701.19	3/4	4,344.22	3/4	3,987.22	3/4	3,629.22	3/4	3,271.20	3/4	2,913.18
2		2		2		2	5,028.34	2	4,693.75	2	4,336.78	2	3,979.78	2	3,621.76	2	3,263.74	2	2,905.72
1/4		1/4		1/4		1/4	5,023.78	1/4	4,686.32	1/4	4,329.34	1/4	3,972.32	1/4	3,614.30	1/4	3,256.28	1/4	2,898.26
1/2		1/2		1/2		1/2	5,019.21	1/2	4,678.88	1/2	4,321.91	1/2	3,964.86	1/2	3,606.84	1/2	3,248.82	1/2	2,890.81
3/4		3/4		3/4		3/4	5,014.64	3/4	4,671.44	3/4	4,314.47	3/4	3,957.40	3/4	3,599.38	3/4	3,241.36	3/4	2,883.35
3		3		3		3	5,010.07	3	4,664.01	3	4,307.03	3	3,949.94	3	3,591.92	3	3,233.91	3	2,875.89
1/4		1/4		1/4		1/4	5,004.26	1/4	4,656.57	1/4	4,299.60	1/4	3,942.48	1/4	3,584.46	1/4	3,226.45	1/4	2,868.43
1/2		1/2		1/2		1/2	4,998.45	1/2	4,649.13	1/2	4,292.16	1/2	3,935.02	1/2	3,577.01	1/2	3,218.99	1/2	2,860.97
3/4		3/4		3/4		3/4	4,992.64	3/4	4,641.69	3/4	4,284.72	3/4	3,927.56	3/4	3,569.55	3/4	3,211.53	3/4	2,853.51
4		4		4		4	4,986.83	4	4,634.26	4	4,277.29	4	3,920.11	4	3,562.09	4	3,204.07	4	2,846.05
1/4		1/4		1/4		1/4	4,979.97	1/4	4,626.82	1/4	4,269.85	1/4	3,912.65	1/4	3,554.63	1/4	3,196.61	1/4	2,838.59
1/2		1/2		1/2		1/2	4,973.10	1/2	4,619.38	1/2	4,262.41	1/2	3,905.19	1/2	3,547.17	1/2	3,189.15	1/2	2,831.14
3/4		3/4		3/4		3/4	4,966.24	3/4	4,611.95	3/4	4,254.98	3/4	3,897.73	3/4	3,539.71	3/4	3,181.69	3/4	2,823.68
5		5		5		5	4,959.38	5	4,604.51	5	4,247.54	5	3,890.27	5	3,532.25	5	3,174.24	5	2,816.22
1/4		1/4		1/4		1/4	4,952.05	1/4	4,597.07	1/4	4,240.10	1/4	3,882.81	1/4	3,524.79	1/4	3,166.78	1/4	2,808.76
1/2		1/2		1/2		1/2	4,944.73	1/2	4,589.64	1/2	4,232.67	1/2	3,875.35	1/2	3,517.34	1/2	3,159.32	1/2	2,801.30
3/4		3/4		3/4		3/4	4,937.41	3/4	4,582.20	3/4	4,225.23	3/4	3,867.90	3/4	3,509.88	3/4	3,151.86	3/4	2,793.84
6		6		6		6	4,930.09	6	4,574.76	6	4,217.79	6	3,860.44	6	3,502.42	6	3,144.40	6	2,786.38
1/4		1/4		1/4		1/4	4,922.73	1/4	4,567.33	1/4	4,210.35	1/4	3,852.98	1/4	3,494.96	1/4	3,136.94	1/4	2,778.92
1/2		1/2		1/2		1/2	4,915.37	1/2	4,559.89	1/2	4,202.92	1/2	3,845.52	1/2	3,487.50	1/2	3,129.48	1/2	2,771.47
3/4		3/4		3/4		3/4	4,908.02	3/4	4,552.45	3/4	4,195.48	3/4	3,838.06	3/4	3,480.04	3/4	3,122.03	3/4	2,764.01
7		7		7		7	4,900.66	7	4,545.01	7	4,188.04	7	3,830.60	7	3,472.58	7	3,114.57	7	2,756.55
1/4		1/4		1/4		1/4	4,893.30	1/4	4,537.58	1/4	4,180.61	1/4	3,823.14	1/4	3,465.13	1/4	3,107.11	1/4	2,749.09
1/2		1/2		1/2		1/2	4,885.94	1/2	4,530.14	1/2	4,173.17	1/2	3,815.68	1/2	3,457.67	1/2	3,099.65	1/2	2,741.63
3/4		3/4		3/4		3/4	4,878.57	3/4	4,522.70	3/4	4,165.73	3/4	3,808.23	3/4	3,450.21	3/4	3,092.19	3/4	2,734.17
8		8		8		8	4,871.21	8	4,515.27	8	4,158.30	8	3,800.77	8	3,442.75	8	3,084.73	8	2,726.71
1/4		1/4		1/4		1/4	4,863.85	1/4	4,507.83	1/4	4,150.86	1/4	3,793.31	1/4	3,435.29	1/4	3,077.27	1/4	2,719.26
1/2		1/2		1/2		1/2	4,856.48	1/2	4,500.39	1/2	4,143.42	1/2	3,785.85	1/2	3,427.83	1/2	3,069.81	1/2	2,711.80
3/4		3/4		3/4		3/4	4,849.12	3/4	4,492.96	3/4	4,135.99	3/4	3,778.39	3/4	3,420.37	3/4	3,062.36	3/4	2,704.34
9		9		9		9	4,841.75	9	4,485.52	9	4,128.55	9	3,770.93	9	3,412.91	9	3,054.90	9	2,696.88
1/4		1/4		1/4		1/4	4,834.39	1/4	4,478.08	1/4	4,121.11	1/4	3,763.47	1/4	3,405.46	1/4	3,047.44	1/4	2,689.42
1/2		1/2		1/2		1/2	4,827.03	1/2	4,470.65	1/2	4,113.67	1/2	3,756.01	1/2	3,398.00	1/2	3,039.98	1/2	2,681.96
3/4		3/4		3/4		3/4	4,819.66	3/4	4,463.21	3/4	4,106.24	3/4	3,748.56	3/4	3,390.54	3/4	3,032.52	3/4	2,674.50
10		10		10		10	4,812.30	10	4,455.77	10	4,098.80	10	3,741.10	10	3,383.08	10	3,025.06	10	2,667.04
1/4		1/4		1/4		1/4	4,804.94	1/4	4,448.34	1/4	4,091.36	1/4	3,733.64	1/4	3,375.62	1/4	3,017.60	1/4	2,659.59
1/2		1/2		1/2		1/2	4,797.58	1/2	4,440.90	1/2	4,083.93	1/2	3,726.18	1/2	3,368.16	1/2	3,010.14	1/2	2,652.13
3/4		3/4		3/4		3/4	4,790.21	3/4	4,433.46	3/4	4,076.49	3/4	3,718.72	3/4	3,360.70	3/4	3,002.69	3/4	2,644.67
11		11		11		11	4,782.85	11	4,426.02	11	4,069.05	11	3,711.26	11	3,353.24	11	2,995.23	11	2,637.21
1/4		1/4		1/4		1/4	4,775.45	1/4	4,418.59	1/4	4,061.62	1/4	3,703.80	1/4	3,345.79	1/4	2,987.77	1/4	2,629.75
1/2		1/2		1/2		1/2	4,768.05	1/2	4,411.15	1/2	4,054.18	1/2	3,696.35	1/2	3,338.33	1/2	2,980.31	1/2	2,622.29
3/4		3/4		3/4		3/4	4,760.65	3/4	4,403.71	3/4	4,046.74	3/4	3,688.89	3/4	3,330.87	3/4	2,972.85	3/4	2,614.83

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 10" HATCH ON EXPANSION DOME.

GAUGE POINT: (10" HATCH) LOCATED 3'-00" OFF CENTERLINE AND 3'-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 109"

1 STBD

ULLAGE TABLE

10" HATCH

GAUGE HEIGHT 17'-07"

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	2,607.37	0	2,249.27	0	1,891.15	0	1,533.03	0	1,174.92	0	817.27	0	459.62	0	133.03	0		0	
1/4	2,599.92	1/4	2,241.81	1/4	1,883.69	1/4	1,525.57	1/4	1,167.45	1/4	809.82	1/4	452.33	1/4	126.80	1/4		1/4	
1/2	2,592.46	1/2	2,234.35	1/2	1,876.23	1/2	1,518.11	1/2	1,159.99	1/2	802.36	1/2	445.05	1/2	120.56	1/2		1/2	
3/4	2,585.00	3/4	2,226.89	3/4	1,868.77	3/4	1,510.65	3/4	1,152.53	3/4	794.91	3/4	437.76	3/4	114.33	3/4		3/4	
1	2,577.55	1	2,219.43	1	1,861.31	1	1,503.19	1	1,145.07	1	787.46	1	430.48	1	108.10	1		1	
1/4	2,570.08	1/4	2,211.97	1/4	1,853.85	1/4	1,495.73	1/4	1,137.61	1/4	780.00	1/4	423.28	1/4	101.96	1/4		1/4	
1/2	2,562.62	1/2	2,204.51	1/2	1,846.39	1/2	1,488.27	1/2	1,130.15	1/2	772.53	1/2	416.08	1/2	95.81	1/2		1/2	
3/4	2,555.16	3/4	2,197.04	3/4	1,838.93	3/4	1,480.81	3/4	1,122.69	3/4	765.07	3/4	408.88	3/4	89.67	3/4		3/4	
2	2,547.70	2	2,189.58	2	1,831.47	2	1,473.35	2	1,115.23	2	757.61	2	401.68	2	83.53	2		2	
1/4	2,540.24	1/4	2,182.12	1/4	1,824.00	1/4	1,465.89	1/4	1,107.77	1/4	750.15	1/4	394.57	1/4	77.50	1/4		1/4	
1/2	2,532.78	1/2	2,174.66	1/2	1,816.54	1/2	1,458.43	1/2	1,100.31	1/2	742.69	1/2	387.46	1/2	71.46	1/2		1/2	
3/4	2,525.32	3/4	2,167.20	3/4	1,809.08	3/4	1,450.96	3/4	1,092.85	3/4	735.23	3/4	380.35	3/4	65.42	3/4		3/4	
3	2,517.86	3	2,159.74	3	1,801.62	3	1,443.50	3	1,085.40	3	727.77	3	373.24	3	59.39	3		3	
1/4	2,510.40	1/4	2,152.28	1/4	1,794.16	1/4	1,436.04	1/4	1,077.94	1/4	720.31	1/4	366.22	1/4	53.90	1/4		1/4	
1/2	2,502.94	1/2	2,144.82	1/2	1,786.70	1/2	1,428.58	1/2	1,070.49	1/2	712.85	1/2	359.20	1/2	48.41	1/2		1/2	
3/4	2,495.48	3/4	2,137.36	3/4	1,779.24	3/4	1,421.12	3/4	1,063.03	3/4	705.39	3/4	352.17	3/4	42.93	3/4		3/4	
4	2,488.02	4	2,129.90	4	1,771.78	4	1,413.66	4	1,055.58	4	697.93	4	345.15	4	37.44	4		4	
1/4	2,480.56	1/4	2,122.44	1/4	1,764.32	1/4	1,406.20	1/4	1,048.13	1/4	690.47	1/4	338.22	1/4	33.42	1/4		1/4	
1/2	2,473.09	1/2	2,114.98	1/2	1,756.86	1/2	1,398.74	1/2	1,040.68	1/2	683.00	1/2	331.28	1/2	29.40	1/2		1/2	
3/4	2,465.63	3/4	2,107.52	3/4	1,749.40	3/4	1,391.28	3/4	1,033.22	3/4	675.54	3/4	324.35	3/4	25.39	3/4		3/4	
5	2,458.17	5	2,100.05	5	1,741.94	5	1,383.82	5	1,025.77	5	668.08	5	317.41	5	21.37	5		5	
1/4	2,450.71	1/4	2,092.59	1/4	1,734.48	1/4	1,376.36	1/4	1,018.33	1/4	660.62	1/4	310.56	1/4	18.45	1/4		1/4	
1/2	2,443.25	1/2	2,085.13	1/2	1,727.01	1/2	1,368.90	1/2	1,010.88	1/2	653.16	1/2	303.72	1/2	15.53	1/2		1/2	
3/4	2,435.79	3/4	2,077.67	3/4	1,719.55	3/4	1,361.44	3/4	1,003.43	3/4	645.70	3/4	296.87	3/4	12.61	3/4		3/4	
6	2,428.33	6	2,070.21	6	1,712.09	6	1,353.97	6	995.99	6	638.24	6	290.02	6	9.69	6		6	
1/4	2,420.87	1/4	2,062.75	1/4	1,704.63	1/4	1,346.51	1/4	988.54	1/4	630.78	1/4	283.26	1/4	7.82	1/4		1/4	
1/2	2,413.41	1/2	2,055.29	1/2	1,697.17	1/2	1,339.05	1/2	981.09	1/2	623.32	1/2	276.50	1/2	5.96	1/2		1/2	
3/4	2,405.95	3/4	2,047.83	3/4	1,689.71	3/4	1,331.59	3/4	973.65	3/4	615.86	3/4	269.74	3/4	4.09	3/4		3/4	
7	2,398.49	7	2,040.37	7	1,682.25	7	1,324.13	7	966.20	7	608.40	7	262.98	7	2.23	7		7	
1/4	2,391.03	1/4	2,032.91	1/4	1,674.79	1/4	1,316.67	1/4	958.75	1/4	600.94	1/4	256.31	1/4		1/4		1/4	
1/2	2,383.56	1/2	2,025.45	1/2	1,667.33	1/2	1,309.21	1/2	951.31	1/2	593.48	1/2	249.63	1/2		1/2		1/2	
3/4	2,376.10	3/4	2,017.99	3/4	1,659.87	3/4	1,301.75	3/4	943.86	3/4	586.01	3/4	242.96	3/4		3/4		3/4	
8	2,368.64	8	2,010.52	8	1,652.41	8	1,294.29	8	936.41	8	578.55	8	236.29	8		8		8	
1/4	2,361.18	1/4	2,003.06	1/4	1,644.95	1/4	1,286.83	1/4	928.97	1/4	571.09	1/4	229.70	1/4		1/4		1/4	
1/2	2,353.72	1/2	1,995.60	1/2	1,637.48	1/2	1,279.37	1/2	921.52	1/2	563.63	1/2	223.12	1/2		1/2		1/2	
3/4	2,346.26	3/4	1,988.14	3/4	1,630.02	3/4	1,271.91	3/4	914.07	3/4	556.17	3/4	216.53	3/4		3/4		3/4	
9	2,338.80	9	1,980.68	9	1,622.56	9	1,264.44	9	906.63	9	548.71	9	209.95	9		9		9	
1/4	2,331.34	1/4	1,973.22	1/4	1,615.10	1/4	1,256.98	1/4	899.18	1/4	541.25	1/4	203.45	1/4		1/4		1/4	
1/2	2,323.88	1/2	1,965.76	1/2	1,607.64	1/2	1,249.52	1/2	891.73	1/2	533.79	1/2	196.96	1/2		1/2		1/2	
3/4	2,316.42	3/4	1,958.30	3/4	1,600.18	3/4	1,242.06	3/4	884.29	3/4	526.33	3/4	190.46	3/4		3/4		3/4	
10	2,308.96	10	1,950.84	10	1,592.72	10	1,234.60	10	876.84	10	518.87	10	183.96	10		10		10	
1/4	2,301.50	1/4	1,943.38	1/4	1,585.26	1/4	1,227.14	1/4	869.40	1/4	511.43	1/4	177.55	1/4		1/4		1/4	
1/2	2,294.04	1/2	1,935.92	1/2	1,577.80	1/2	1,219.68	1/2	861.95	1/2	503.99	1/2	171.14	1/2		1/2		1/2	
3/4	2,286.57	3/4	1,928.46	3/4	1,570.34	3/4	1,212.22	3/4	854.50	3/4	496.55	3/4	164.73	3/4		3/4		3/4	
11	2,279.11	11	1,921.00	11	1,562.88	11	1,204.76	11	847.06	11	489.11	11	158.32	11		11		11	
1/4	2,271.65	1/4	1,913.53	1/4	1,555.42	1/4	1,197.30	1/4	839.61	1/4	481.74	1/4	152.00	1/4		1/4		1/4	
1/2	2,264.19	1/2	1,906.07	1/2	1,547.96	1/2	1,189.84	1/2	832.16	1/2	474.37	1/2	145.68	1/2		1/2		1/2	
3/4	2,256.73	3/4	1,898.61	3/4	1,540.49	3/4	1,182.38	3/4	824.72	3/4	466.99	3/4	139.35	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/28/2020 CL
CALCULATED: 10/29/2020 CL
PRINTED: 10/29/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

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P. Mac



BARGE "TMTB 109"

2 PORT ULLAGE TABLE

10" HATCH GAUGE HEIGHT 17'-07"

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	5,112.66	0	4,814.83	0	4,456.89	0	4,098.95	0	3,740.10	0	3,381.11	0	3,022.13
1/4		1/4		1/4		1/4	5,110.57	1/4	4,807.37	1/4	4,449.43	1/4	4,091.49	1/4	3,732.62	1/4	3,373.64	1/4	3,014.65
1/2		1/2		1/2		1/2	5,108.47	1/2	4,799.92	1/2	4,441.98	1/2	4,084.03	1/2	3,725.14	1/2	3,366.16	1/2	3,007.17
3/4		3/4		3/4		3/4	5,106.38	3/4	4,792.46	3/4	4,434.52	3/4	4,076.58	3/4	3,717.67	3/4	3,358.68	3/4	2,999.69
1		1		1		1	5,104.29	1	4,785.00	1	4,427.06	1	4,069.12	1	3,710.19	1	3,351.20	1	2,992.21
1/4		1/4		1/4		1/4	5,100.95	1/4	4,777.54	1/4	4,419.60	1/4	4,061.65	1/4	3,702.71	1/4	3,343.72	1/4	2,984.73
1/2		1/2		1/2		1/2	5,097.61	1/2	4,770.09	1/2	4,412.15	1/2	4,054.19	1/2	3,695.23	1/2	3,336.24	1/2	2,977.25
3/4		3/4		3/4		3/4	5,094.27	3/4	4,762.63	3/4	4,404.69	3/4	4,046.72	3/4	3,687.75	3/4	3,328.76	3/4	2,969.78
2		2		2		2	5,090.93	2	4,755.17	2	4,397.23	2	4,039.26	2	3,680.27	2	3,321.28	2	2,962.30
1/4		1/4		1/4		1/4	5,086.34	1/4	4,747.72	1/4	4,389.78	1/4	4,031.78	1/4	3,672.79	1/4	3,313.80	1/4	2,954.82
1/2		1/2		1/2		1/2	5,081.76	1/2	4,740.26	1/2	4,382.32	1/2	4,024.30	1/2	3,665.31	1/2	3,306.33	1/2	2,947.34
3/4		3/4		3/4		3/4	5,077.17	3/4	4,732.80	3/4	4,374.86	3/4	4,016.82	3/4	3,657.83	3/4	3,298.85	3/4	2,939.86
3		3		3		3	5,072.58	3	4,725.35	3	4,367.40	3	4,009.34	3	3,650.36	3	3,291.37	3	2,932.38
1/4		1/4		1/4		1/4	5,066.75	1/4	4,717.89	1/4	4,359.95	1/4	4,001.86	1/4	3,642.88	1/4	3,283.89	1/4	2,924.90
1/2		1/2		1/2		1/2	5,060.92	1/2	4,710.43	1/2	4,352.49	1/2	3,994.38	1/2	3,635.40	1/2	3,276.41	1/2	2,917.42
3/4		3/4		3/4		3/4	5,055.08	3/4	4,702.97	3/4	4,345.03	3/4	3,986.91	3/4	3,627.92	3/4	3,268.93	3/4	2,909.94
4		4		4		4	5,049.25	4	4,695.52	4	4,337.58	4	3,979.43	4	3,620.44	4	3,261.45	4	2,902.47
1/4		1/4		1/4		1/4	5,042.36	1/4	4,688.06	1/4	4,330.12	1/4	3,971.95	1/4	3,612.96	1/4	3,253.97	1/4	2,894.99
1/2		1/2		1/2		1/2	5,035.48	1/2	4,680.60	1/2	4,322.66	1/2	3,964.47	1/2	3,605.48	1/2	3,246.49	1/2	2,887.51
3/4		3/4		3/4		3/4	5,028.59	3/4	4,673.15	3/4	4,315.20	3/4	3,956.99	3/4	3,598.00	3/4	3,239.02	3/4	2,880.03
5		5		5		5	5,021.70	5	4,665.69	5	4,307.75	5	3,949.51	5	3,590.52	5	3,231.54	5	2,872.55
1/4		1/4		1/4		1/4	5,014.35	1/4	4,658.23	1/4	4,300.29	1/4	3,942.03	1/4	3,583.05	1/4	3,224.06	1/4	2,865.07
1/2		1/2		1/2		1/2	5,007.00	1/2	4,650.77	1/2	4,292.83	1/2	3,934.55	1/2	3,575.57	1/2	3,216.58	1/2	2,857.59
3/4		3/4		3/4		3/4	4,999.65	3/4	4,643.32	3/4	4,285.38	3/4	3,927.07	3/4	3,568.09	3/4	3,209.10	3/4	2,850.11
6		6		6		6	4,992.31	6	4,635.86	6	4,277.92	6	3,919.60	6	3,560.61	6	3,201.62	6	2,842.63
1/4		1/4		1/4		1/4	4,984.92	1/4	4,628.40	1/4	4,270.46	1/4	3,912.12	1/4	3,553.13	1/4	3,194.14	1/4	2,835.16
1/2		1/2		1/2		1/2	4,977.54	1/2	4,620.95	1/2	4,263.01	1/2	3,904.64	1/2	3,545.65	1/2	3,186.66	1/2	2,827.68
3/4		3/4		3/4		3/4	4,970.16	3/4	4,613.49	3/4	4,255.55	3/4	3,897.16	3/4	3,538.17	3/4	3,179.18	3/4	2,820.20
7		7		7		7	4,962.78	7	4,606.03	7	4,248.09	7	3,889.68	7	3,530.69	7	3,171.71	7	2,812.72
1/4		1/4		1/4		1/4	4,955.39	1/4	4,598.57	1/4	4,240.63	1/4	3,882.20	1/4	3,523.21	1/4	3,164.23	1/4	2,805.24
1/2		1/2		1/2		1/2	4,948.00	1/2	4,591.12	1/2	4,233.18	1/2	3,874.72	1/2	3,515.74	1/2	3,156.75	1/2	2,797.76
3/4		3/4		3/4		3/4	4,940.61	3/4	4,583.66	3/4	4,225.72	3/4	3,867.24	3/4	3,508.26	3/4	3,149.27	3/4	2,790.28
8		8		8		8	4,933.22	8	4,576.20	8	4,218.26	8	3,859.76	8	3,500.78	8	3,141.79	8	2,782.80
1/4		1/4		1/4		1/4	4,925.83	1/4	4,568.75	1/4	4,210.81	1/4	3,852.29	1/4	3,493.30	1/4	3,134.31	1/4	2,775.32
1/2		1/2		1/2		1/2	4,918.44	1/2	4,561.29	1/2	4,203.35	1/2	3,844.81	1/2	3,485.82	1/2	3,126.83	1/2	2,767.85
3/4		3/4		3/4		3/4	4,911.05	3/4	4,553.83	3/4	4,195.89	3/4	3,837.33	3/4	3,478.34	3/4	3,119.35	3/4	2,760.37
9		9		9		9	4,903.66	9	4,546.37	9	4,188.43	9	3,829.85	9	3,470.86	9	3,111.87	9	2,752.89
1/4		1/4		1/4		1/4	4,896.27	1/4	4,538.92	1/4	4,180.98	1/4	3,822.37	1/4	3,463.38	1/4	3,104.40	1/4	2,745.41
1/2		1/2		1/2		1/2	4,888.88	1/2	4,531.46	1/2	4,173.52	1/2	3,814.89	1/2	3,455.90	1/2	3,096.92	1/2	2,737.93
3/4		3/4		3/4		3/4	4,881.49	3/4	4,524.00	3/4	4,166.06	3/4	3,807.41	3/4	3,448.42	3/4	3,089.44	3/4	2,730.45
10		10		10		10	4,874.10	10	4,516.55	10	4,158.61	10	3,799.93	10	3,440.95	10	3,081.96	10	2,722.97
1/4		1/4		1/4		1/4	4,866.71	1/4	4,509.09	1/4	4,151.15	1/4	3,792.45	1/4	3,433.47	1/4	3,074.48	1/4	2,715.49
1/2		1/2		1/2		1/2	4,859.31	1/2	4,501.63	1/2	4,143.69	1/2	3,784.98	1/2	3,425.99	1/2	3,067.00	1/2	2,708.01
3/4		3/4		3/4		3/4	4,851.92	3/4	4,494.18	3/4	4,136.23	3/4	3,777.50	3/4	3,418.51	3/4	3,059.52	3/4	2,700.53
11		11		11		11	4,844.53	11	4,486.72	11	4,128.78	11	3,770.02	11	3,411.03	11	3,052.04	11	2,693.06
1/4		1/4		1/4		1/4	4,837.11	1/4	4,479.26	1/4	4,121.32	1/4	3,762.54	1/4	3,403.55	1/4	3,044.56	1/4	2,685.58
1/2		1/2		1/2		1/2	4,829.68	1/2	4,471.80	1/2	4,113.86	1/2	3,755.06	1/2	3,396.07	1/2	3,037.09	1/2	2,678.10
3/4		3/4		3/4		3/4	4,822.26	3/4	4,464.35	3/4	4,106.41	3/4	3,747.58	3/4	3,388.59	3/4	3,029.61	3/4	2,670.62

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 10" HATCH ON EXPANSION DOME.

GAUGE POINT: (10" HATCH) LOCATED 3'-00" OFF CENTERLINE AND 3'-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 109"

2 PORT ULLAGE TABLE 10" HATCH GAUGE HEIGHT 17'-07"

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	2,663.14	0	2,304.15	0	1,945.17	0	1,586.18	0	1,227.19	0	880.93	0	523.69	0	164.70	0		0	
1/4	2,655.66	1/4	2,296.67	1/4	1,937.69	1/4	1,578.70	1/4	1,219.71	1/4	873.75	1/4	516.21	1/4	157.22	1/4		1/4	
1/2	2,648.18	1/2	2,289.20	1/2	1,930.21	1/2	1,571.22	1/2	1,212.23	1/2	866.56	1/2	508.73	1/2	149.74	1/2		1/2	
3/4	2,640.70	3/4	2,281.72	3/4	1,922.73	3/4	1,563.74	3/4	1,204.75	3/4	859.38	3/4	501.25	3/4	142.27	3/4		3/4	
1	2,633.22	1	2,274.24	1	1,915.25	1	1,556.26	1	1,197.28	1	852.19	1	493.77	1	134.79	1		1	
1/4	2,625.75	1/4	2,266.76	1/4	1,907.77	1/4	1,548.78	1/4	1,189.94	1/4	844.86	1/4	486.29	1/4	127.32	1/4		1/4	
1/2	2,618.27	1/2	2,259.28	1/2	1,900.29	1/2	1,541.31	1/2	1,182.60	1/2	837.52	1/2	478.81	1/2	119.84	1/2		1/2	
3/4	2,610.79	3/4	2,251.80	3/4	1,892.81	3/4	1,533.83	3/4	1,175.26	3/4	830.18	3/4	471.34	3/4	112.37	3/4		3/4	
2	2,603.31	2	2,244.32	2	1,885.33	2	1,526.35	2	1,167.93	2	822.84	2	463.86	2	104.90	2		2	
1/4	2,595.83	1/4	2,236.84	1/4	1,877.86	1/4	1,518.87	1/4	1,160.74	1/4	815.37	1/4	456.38	1/4	97.44	1/4		1/4	
1/2	2,588.35	1/2	2,229.36	1/2	1,870.38	1/2	1,511.39	1/2	1,153.55	1/2	807.89	1/2	448.90	1/2	89.99	1/2		1/2	
3/4	2,580.87	3/4	2,221.89	3/4	1,862.90	3/4	1,503.91	3/4	1,146.36	3/4	800.41	3/4	441.42	3/4	82.53	3/4		3/4	
3	2,573.39	3	2,214.41	3	1,855.42	3	1,496.43	3	1,139.17	3	792.93	3	433.94	3	75.07	3		3	
1/4	2,565.91	1/4	2,206.93	1/4	1,847.94	1/4	1,488.95	1/4	1,131.99	1/4	785.45	1/4	426.46	1/4	68.08	1/4		1/4	
1/2	2,558.44	1/2	2,199.45	1/2	1,840.46	1/2	1,481.47	1/2	1,124.81	1/2	777.97	1/2	418.98	1/2	61.09	1/2		1/2	
3/4	2,550.96	3/4	2,191.97	3/4	1,832.98	3/4	1,474.00	3/4	1,117.63	3/4	770.49	3/4	411.50	3/4	54.10	3/4		3/4	
4	2,543.48	4	2,184.49	4	1,825.50	4	1,466.52	4	1,110.45	4	763.01	4	404.03	4	47.10	4		4	
1/4	2,536.00	1/4	2,177.01	1/4	1,818.02	1/4	1,459.04	1/4	1,103.27	1/4	755.53	1/4	396.55	1/4	41.50	1/4		1/4	
1/2	2,528.52	1/2	2,169.53	1/2	1,810.55	1/2	1,451.56	1/2	1,096.10	1/2	748.06	1/2	389.07	1/2	35.89	1/2		1/2	
3/4	2,521.04	3/4	2,162.05	3/4	1,803.07	3/4	1,444.08	3/4	1,088.92	3/4	740.58	3/4	381.59	3/4	30.28	3/4		3/4	
5	2,513.56	5	2,154.58	5	1,795.59	5	1,436.60	5	1,081.75	5	733.10	5	374.11	5	24.67	5		5	
1/4	2,506.08	1/4	2,147.10	1/4	1,788.11	1/4	1,429.12	1/4	1,074.57	1/4	725.62	1/4	366.63	1/4	20.93	1/4		1/4	
1/2	2,498.60	1/2	2,139.62	1/2	1,780.63	1/2	1,421.64	1/2	1,067.40	1/2	718.14	1/2	359.15	1/2	17.19	1/2		1/2	
3/4	2,491.13	3/4	2,132.14	3/4	1,773.15	3/4	1,414.16	3/4	1,060.23	3/4	710.66	3/4	351.67	3/4	13.45	3/4		3/4	
6	2,483.65	6	2,124.66	6	1,765.67	6	1,406.69	6	1,053.06	6	703.18	6	344.19	6	9.71	6		6	
1/4	2,476.17	1/4	2,117.18	1/4	1,758.19	1/4	1,399.21	1/4	1,045.89	1/4	695.70	1/4	336.72	1/4	7.84	1/4		1/4	
1/2	2,468.69	1/2	2,109.70	1/2	1,750.71	1/2	1,391.73	1/2	1,038.71	1/2	688.22	1/2	329.24	1/2	5.97	1/2		1/2	
3/4	2,461.21	3/4	2,102.22	3/4	1,743.24	3/4	1,384.25	3/4	1,031.54	3/4	680.74	3/4	321.76	3/4	4.11	3/4		3/4	
7	2,453.73	7	2,094.74	7	1,735.76	7	1,376.77	7	1,024.37	7	673.27	7	314.28	7	2.24	7		7	
1/4	2,446.25	1/4	2,087.27	1/4	1,728.28	1/4	1,369.29	1/4	1,017.20	1/4	665.79	1/4	306.80	1/4		1/4		1/4	
1/2	2,438.77	1/2	2,079.79	1/2	1,720.80	1/2	1,361.81	1/2	1,010.03	1/2	658.31	1/2	299.32	1/2		1/2		1/2	
3/4	2,431.29	3/4	2,072.31	3/4	1,713.32	3/4	1,354.33	3/4	1,002.85	3/4	650.83	3/4	291.84	3/4		3/4		3/4	
8	2,423.82	8	2,064.83	8	1,705.84	8	1,346.85	8	995.68	8	643.35	8	284.36	8		8		8	
1/4	2,416.34	1/4	2,057.35	1/4	1,698.36	1/4	1,339.38	1/4	988.51	1/4	635.87	1/4	276.88	1/4		1/4		1/4	
1/2	2,408.86	1/2	2,049.87	1/2	1,690.88	1/2	1,331.90	1/2	981.34	1/2	628.39	1/2	269.41	1/2		1/2		1/2	
3/4	2,401.38	3/4	2,042.39	3/4	1,683.40	3/4	1,324.42	3/4	974.17	3/4	620.91	3/4	261.93	3/4		3/4		3/4	
9	2,393.90	9	2,034.91	9	1,675.93	9	1,316.94	9	966.99	9	613.43	9	254.45	9		9		9	
1/4	2,386.42	1/4	2,027.43	1/4	1,668.45	1/4	1,309.46	1/4	959.82	1/4	605.96	1/4	246.97	1/4		1/4		1/4	
1/2	2,378.94	1/2	2,019.96	1/2	1,660.97	1/2	1,301.98	1/2	952.65	1/2	598.48	1/2	239.49	1/2		1/2		1/2	
3/4	2,371.46	3/4	2,012.48	3/4	1,653.49	3/4	1,294.50	3/4	945.48	3/4	591.00	3/4	232.01	3/4		3/4		3/4	
10	2,363.98	10	2,005.00	10	1,646.01	10	1,287.02	10	938.31	10	583.52	10	224.53	10		10		10	
1/4	2,356.51	1/4	1,997.52	1/4	1,638.53	1/4	1,279.54	1/4	931.13	1/4	576.04	1/4	217.05	1/4		1/4		1/4	
1/2	2,349.03	1/2	1,990.04	1/2	1,631.05	1/2	1,272.07	1/2	923.96	1/2	568.56	1/2	209.57	1/2		1/2		1/2	
3/4	2,341.55	3/4	1,982.56	3/4	1,623.57	3/4	1,264.59	3/4	916.79	3/4	561.08	3/4	202.10	3/4		3/4		3/4	
11	2,334.07	11	1,975.08	11	1,616.09	11	1,257.11	11	909.62	11	553.60	11	194.62	11		11		11	
1/4	2,326.59	1/4	1,967.60	1/4	1,608.62	1/4	1,249.63	1/4	902.45	1/4	546.12	1/4	187.14	1/4		1/4		1/4	
1/2	2,319.11	1/2	1,960.12	1/2	1,601.14	1/2	1,242.15	1/2	895.27	1/2	538.65	1/2	179.66	1/2		1/2		1/2	
3/4	2,311.63	3/4	1,952.64	3/4	1,593.66	3/4	1,234.67	3/4	888.10	3/4	531.17	3/4	172.18	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/28/2020 CL
CALCULATED: 10/29/2020 CL
PRINTED: 10/29/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "TMTB 109"

2 STBD ULLAGE TABLE

10" HATCH GAUGE HEIGHT 17'-07"

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	5,125.25	0	4,827.81	0	4,470.00	0	4,112.19	0	3,753.46	0	3,394.60	0	3,035.75
1/4		1/4		1/4		1/4	5,123.16	1/4	4,820.35	1/4	4,462.54	1/4	4,104.73	1/4	3,745.99	1/4	3,387.13	1/4	3,028.27
1/2		1/2		1/2		1/2	5,121.08	1/2	4,812.90	1/2	4,455.09	1/2	4,097.28	1/2	3,738.51	1/2	3,379.65	1/2	3,020.79
3/4		3/4		3/4		3/4	5,118.99	3/4	4,805.44	3/4	4,447.63	3/4	4,089.82	3/4	3,731.03	3/4	3,372.18	3/4	3,013.32
1		1		1		1	5,116.91	1	4,797.99	1	4,440.18	1	4,082.37	1	3,723.56	1	3,364.70	1	3,005.84
1/4		1/4		1/4		1/4	5,113.58	1/4	4,790.54	1/4	4,432.72	1/4	4,074.90	1/4	3,716.08	1/4	3,357.22	1/4	2,998.37
1/2		1/2		1/2		1/2	5,110.24	1/2	4,783.08	1/2	4,425.27	1/2	4,067.44	1/2	3,708.61	1/2	3,349.75	1/2	2,990.89
3/4		3/4		3/4		3/4	5,106.91	3/4	4,775.63	3/4	4,417.82	3/4	4,059.97	3/4	3,701.13	3/4	3,342.27	3/4	2,983.41
2		2		2		2	5,103.58	2	4,768.17	2	4,410.36	2	4,052.51	2	3,693.65	2	3,334.80	2	2,975.94
1/4		1/4		1/4		1/4	5,099.00	1/4	4,760.72	1/4	4,402.91	1/4	4,045.03	1/4	3,686.18	1/4	3,327.32	1/4	2,968.46
1/2		1/2		1/2		1/2	5,094.42	1/2	4,753.26	1/2	4,395.45	1/2	4,037.56	1/2	3,678.70	1/2	3,319.84	1/2	2,960.99
3/4		3/4		3/4		3/4	5,089.84	3/4	4,745.81	3/4	4,388.00	3/4	4,030.08	3/4	3,671.22	3/4	3,312.37	3/4	2,953.51
3		3		3		3	5,085.27	3	4,738.36	3	4,380.54	3	4,022.61	3	3,663.75	3	3,304.89	3	2,946.03
1/4		1/4		1/4		1/4	5,079.44	1/4	4,730.90	1/4	4,373.09	1/4	4,015.13	1/4	3,656.27	1/4	3,297.41	1/4	2,938.56
1/2		1/2		1/2		1/2	5,073.62	1/2	4,723.45	1/2	4,365.64	1/2	4,007.65	1/2	3,648.80	1/2	3,289.94	1/2	2,931.08
3/4		3/4		3/4		3/4	5,067.79	3/4	4,715.99	3/4	4,358.18	3/4	4,000.18	3/4	3,641.32	3/4	3,282.46	3/4	2,923.60
4		4		4		4	5,061.97	4	4,708.54	4	4,350.73	4	3,992.70	4	3,633.84	4	3,274.99	4	2,916.13
1/4		1/4		1/4		1/4	5,055.09	1/4	4,701.08	1/4	4,343.27	1/4	3,985.22	1/4	3,626.37	1/4	3,267.51	1/4	2,908.65
1/2		1/2		1/2		1/2	5,048.21	1/2	4,693.63	1/2	4,335.82	1/2	3,977.75	1/2	3,618.89	1/2	3,260.03	1/2	2,901.18
3/4		3/4		3/4		3/4	5,041.33	3/4	4,686.17	3/4	4,328.36	3/4	3,970.27	3/4	3,611.41	3/4	3,252.56	3/4	2,893.70
5		5		5		5	5,034.45	5	4,678.72	5	4,320.91	5	3,962.80	5	3,603.94	5	3,245.08	5	2,886.22
1/4		1/4		1/4		1/4	5,027.11	1/4	4,671.27	1/4	4,313.45	1/4	3,955.32	1/4	3,596.46	1/4	3,237.60	1/4	2,878.75
1/2		1/2		1/2		1/2	5,019.77	1/2	4,663.81	1/2	4,306.00	1/2	3,947.84	1/2	3,588.99	1/2	3,230.13	1/2	2,871.27
3/4		3/4		3/4		3/4	5,012.43	3/4	4,656.36	3/4	4,298.55	3/4	3,940.37	3/4	3,581.51	3/4	3,222.65	3/4	2,863.79
6		6		6		6	5,005.09	6	4,648.90	6	4,291.09	6	3,932.89	6	3,574.03	6	3,215.18	6	2,856.32
1/4		1/4		1/4		1/4	4,997.71	1/4	4,641.45	1/4	4,283.64	1/4	3,925.42	1/4	3,566.56	1/4	3,207.70	1/4	2,848.84
1/2		1/2		1/2		1/2	4,990.34	1/2	4,633.99	1/2	4,276.18	1/2	3,917.94	1/2	3,559.08	1/2	3,200.22	1/2	2,841.37
3/4		3/4		3/4		3/4	4,982.96	3/4	4,626.54	3/4	4,268.73	3/4	3,910.46	3/4	3,551.61	3/4	3,192.75	3/4	2,833.89
7		7		7		7	4,975.59	7	4,619.08	7	4,261.27	7	3,902.99	7	3,544.13	7	3,185.27	7	2,826.41
1/4		1/4		1/4		1/4	4,968.20	1/4	4,611.63	1/4	4,253.82	1/4	3,895.51	1/4	3,536.65	1/4	3,177.80	1/4	2,818.94
1/2		1/2		1/2		1/2	4,960.82	1/2	4,604.18	1/2	4,246.36	1/2	3,888.03	1/2	3,529.18	1/2	3,170.32	1/2	2,811.46
3/4		3/4		3/4		3/4	4,953.44	3/4	4,596.72	3/4	4,238.91	3/4	3,880.56	3/4	3,521.70	3/4	3,162.84	3/4	2,803.99
8		8		8		8	4,946.06	8	4,589.27	8	4,231.46	8	3,873.08	8	3,514.22	8	3,155.37	8	2,796.51
1/4		1/4		1/4		1/4	4,938.68	1/4	4,581.81	1/4	4,224.00	1/4	3,865.61	1/4	3,506.75	1/4	3,147.89	1/4	2,789.03
1/2		1/2		1/2		1/2	4,931.30	1/2	4,574.36	1/2	4,216.55	1/2	3,858.13	1/2	3,499.27	1/2	3,140.41	1/2	2,781.56
3/4		3/4		3/4		3/4	4,923.91	3/4	4,566.90	3/4	4,209.09	3/4	3,850.65	3/4	3,491.80	3/4	3,132.94	3/4	2,774.08
9		9		9		9	4,916.53	9	4,559.45	9	4,201.64	9	3,843.18	9	3,484.32	9	3,125.46	9	2,766.60
1/4		1/4		1/4		1/4	4,909.15	1/4	4,552.00	1/4	4,194.18	1/4	3,835.70	1/4	3,476.84	1/4	3,117.99	1/4	2,759.13
1/2		1/2		1/2		1/2	4,901.77	1/2	4,544.54	1/2	4,186.73	1/2	3,828.22	1/2	3,469.37	1/2	3,110.51	1/2	2,751.65
3/4		3/4		3/4		3/4	4,894.39	3/4	4,537.09	3/4	4,179.28	3/4	3,820.75	3/4	3,461.89	3/4	3,103.03	3/4	2,744.18
10		10		10		10	4,887.01	10	4,529.63	10	4,171.82	10	3,813.27	10	3,454.41	10	3,095.56	10	2,736.70
1/4		1/4		1/4		1/4	4,879.63	1/4	4,522.18	1/4	4,164.37	1/4	3,805.80	1/4	3,446.94	1/4	3,088.08	1/4	2,729.22
1/2		1/2		1/2		1/2	4,872.25	1/2	4,514.72	1/2	4,156.91	1/2	3,798.32	1/2	3,439.46	1/2	3,080.60	1/2	2,721.75
3/4		3/4		3/4		3/4	4,864.87	3/4	4,507.27	3/4	4,149.46	3/4	3,790.84	3/4	3,431.99	3/4	3,073.13	3/4	2,714.27
11		11		11		11	4,857.49	11	4,499.81	11	4,142.00	11	3,783.37	11	3,424.51	11	3,065.65	11	2,706.79
1/4		1/4		1/4		1/4	4,850.07	1/4	4,492.36	1/4	4,134.55	1/4	3,775.89	1/4	3,417.03	1/4	3,058.18	1/4	2,699.32
1/2		1/2		1/2		1/2	4,842.65	1/2	4,484.91	1/2	4,127.09	1/2	3,768.41	1/2	3,409.56	1/2	3,050.70	1/2	2,691.84
3/4		3/4		3/4		3/4	4,835.23	3/4	4,477.45	3/4	4,119.64	3/4	3,760.94	3/4	3,402.08	3/4	3,043.22	3/4	2,684.37

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 10" HATCH ON EXPANSION DOME.

GAUGE POINT: (10" HATCH) LOCATED 3'-00" OFF CENTERLINE AND 3'-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 109"

2 STBD

ULLAGE TABLE

10" HATCH

GAUGE HEIGHT 17'-07"

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	2,676.89	0	2,317.94	0	1,958.98	0	1,600.02	0	1,241.07	0	882.58	0	523.65	0	164.69	0		0	
1/4	2,669.41	1/4	2,310.46	1/4	1,951.50	1/4	1,592.55	1/4	1,233.59	1/4	875.11	1/4	516.17	1/4	157.21	1/4		1/4	
1/2	2,661.94	1/2	2,302.98	1/2	1,944.03	1/2	1,585.07	1/2	1,226.11	1/2	867.64	1/2	508.69	1/2	149.74	1/2		1/2	
3/4	2,654.46	3/4	2,295.51	3/4	1,936.55	3/4	1,577.59	3/4	1,218.63	3/4	860.17	3/4	501.21	3/4	142.26	3/4		3/4	
1	2,646.99	1	2,288.03	1	1,929.07	1	1,570.11	1	1,211.15	1	852.69	1	493.74	1	134.78	1		1	
1/4	2,639.51	1/4	2,280.55	1/4	1,921.59	1/4	1,562.63	1/4	1,203.67	1/4	845.22	1/4	486.26	1/4	127.31	1/4		1/4	
1/2	2,632.03	1/2	2,273.07	1/2	1,914.11	1/2	1,555.15	1/2	1,196.20	1/2	837.74	1/2	478.78	1/2	119.84	1/2		1/2	
3/4	2,624.55	3/4	2,265.59	3/4	1,906.63	3/4	1,547.68	3/4	1,188.72	3/4	830.26	3/4	471.30	3/4	112.36	3/4		3/4	
2	2,617.07	2	2,258.11	2	1,899.16	2	1,540.20	2	1,181.24	2	822.78	2	463.82	2	104.89	2		2	
1/4	2,609.59	1/4	2,250.64	1/4	1,891.68	1/4	1,532.72	1/4	1,173.76	1/4	815.30	1/4	456.34	1/4	97.44	1/4		1/4	
1/2	2,602.12	1/2	2,243.16	1/2	1,884.20	1/2	1,525.24	1/2	1,166.29	1/2	807.82	1/2	448.87	1/2	89.98	1/2		1/2	
3/4	2,594.64	3/4	2,235.68	3/4	1,876.72	3/4	1,517.76	3/4	1,158.81	3/4	800.35	3/4	441.39	3/4	82.53	3/4		3/4	
3	2,587.16	3	2,228.20	3	1,869.24	3	1,510.28	3	1,151.34	3	792.87	3	433.91	3	75.07	3		3	
1/4	2,579.68	1/4	2,220.72	1/4	1,861.76	1/4	1,502.81	1/4	1,143.86	1/4	785.39	1/4	426.43	1/4	68.08	1/4		1/4	
1/2	2,572.20	1/2	2,213.24	1/2	1,854.29	1/2	1,495.33	1/2	1,136.39	1/2	777.91	1/2	418.95	1/2	61.09	1/2		1/2	
3/4	2,564.72	3/4	2,205.77	3/4	1,846.81	3/4	1,487.85	3/4	1,128.92	3/4	770.43	3/4	411.47	3/4	54.10	3/4		3/4	
4	2,557.25	4	2,198.29	4	1,839.33	4	1,480.37	4	1,121.45	4	762.95	4	404.00	4	47.10	4		4	
1/4	2,549.77	1/4	2,190.81	1/4	1,831.85	1/4	1,472.89	1/4	1,113.98	1/4	755.48	1/4	396.52	1/4	41.50	1/4		1/4	
1/2	2,542.29	1/2	2,183.33	1/2	1,824.37	1/2	1,465.41	1/2	1,106.51	1/2	748.00	1/2	389.04	1/2	35.89	1/2		1/2	
3/4	2,534.81	3/4	2,175.85	3/4	1,816.89	3/4	1,457.94	3/4	1,099.04	3/4	740.52	3/4	381.56	3/4	30.28	3/4		3/4	
5	2,527.33	5	2,168.37	5	1,809.42	5	1,450.46	5	1,091.57	5	733.04	5	374.08	5	24.67	5		5	
1/4	2,519.85	1/4	2,160.90	1/4	1,801.94	1/4	1,442.98	1/4	1,084.11	1/4	725.56	1/4	366.60	1/4	20.93	1/4		1/4	
1/2	2,512.38	1/2	2,153.42	1/2	1,794.46	1/2	1,435.50	1/2	1,076.64	1/2	718.09	1/2	359.13	1/2	17.19	1/2		1/2	
3/4	2,504.90	3/4	2,145.94	3/4	1,786.98	3/4	1,428.02	3/4	1,069.18	3/4	710.61	3/4	351.65	3/4	13.46	3/4		3/4	
6	2,497.42	6	2,138.46	6	1,779.50	6	1,420.54	6	1,061.72	6	703.13	6	344.17	6	9.72	6		6	
1/4	2,489.94	1/4	2,130.98	1/4	1,772.02	1/4	1,413.07	1/4	1,054.25	1/4	695.65	1/4	336.69	1/4	7.85	1/4		1/4	
1/2	2,482.46	1/2	2,123.50	1/2	1,764.55	1/2	1,405.59	1/2	1,046.79	1/2	688.17	1/2	329.21	1/2	5.98	1/2		1/2	
3/4	2,474.98	3/4	2,116.03	3/4	1,757.07	3/4	1,398.11	3/4	1,039.32	3/4	680.69	3/4	321.74	3/4	4.11	3/4		3/4	
7	2,467.51	7	2,108.55	7	1,749.59	7	1,390.63	7	1,031.86	7	673.22	7	314.26	7	2.24	7		7	
1/4	2,460.03	1/4	2,101.07	1/4	1,742.11	1/4	1,383.15	1/4	1,024.40	1/4	665.74	1/4	306.78	1/4		1/4		1/4	
1/2	2,452.55	1/2	2,093.59	1/2	1,734.63	1/2	1,375.67	1/2	1,016.93	1/2	658.26	1/2	299.30	1/2		1/2		1/2	
3/4	2,445.07	3/4	2,086.11	3/4	1,727.15	3/4	1,368.20	3/4	1,009.47	3/4	650.78	3/4	291.82	3/4		3/4		3/4	
8	2,437.59	8	2,078.63	8	1,719.68	8	1,360.72	8	1,002.00	8	643.30	8	284.34	8		8		8	
1/4	2,430.11	1/4	2,071.16	1/4	1,712.20	1/4	1,353.24	1/4	994.54	1/4	635.82	1/4	276.87	1/4		1/4		1/4	
1/2	2,422.64	1/2	2,063.68	1/2	1,704.72	1/2	1,345.76	1/2	987.07	1/2	628.35	1/2	269.39	1/2		1/2		1/2	
3/4	2,415.16	3/4	2,056.20	3/4	1,697.24	3/4	1,338.28	3/4	979.61	3/4	620.87	3/4	261.91	3/4		3/4		3/4	
9	2,407.68	9	2,048.72	9	1,689.76	9	1,330.80	9	972.15	9	613.39	9	254.43	9		9		9	
1/4	2,400.20	1/4	2,041.24	1/4	1,682.28	1/4	1,323.33	1/4	964.68	1/4	605.91	1/4	246.95	1/4		1/4		1/4	
1/2	2,392.72	1/2	2,033.77	1/2	1,674.81	1/2	1,315.85	1/2	957.22	1/2	598.43	1/2	239.47	1/2		1/2		1/2	
3/4	2,385.25	3/4	2,026.29	3/4	1,667.33	3/4	1,308.37	3/4	949.75	3/4	590.95	3/4	232.00	3/4		3/4		3/4	
10	2,377.77	10	2,018.81	10	1,659.85	10	1,300.89	10	942.29	10	583.48	10	224.52	10		10		10	
1/4	2,370.29	1/4	2,011.33	1/4	1,652.37	1/4	1,293.41	1/4	934.83	1/4	576.00	1/4	217.04	1/4		1/4		1/4	
1/2	2,362.81	1/2	2,003.85	1/2	1,644.89	1/2	1,285.94	1/2	927.36	1/2	568.52	1/2	209.56	1/2		1/2		1/2	
3/4	2,355.33	3/4	1,996.37	3/4	1,637.42	3/4	1,278.46	3/4	919.90	3/4	561.04	3/4	202.08	3/4		3/4		3/4	
11	2,347.85	11	1,988.90	11	1,629.94	11	1,270.98	11	912.43	11	553.56	11	194.60	11		11		11	
1/4	2,340.38	1/4	1,981.42	1/4	1,622.46	1/4	1,263.50	1/4	904.97	1/4	546.08	1/4	187.13	1/4		1/4		1/4	
1/2	2,332.90	1/2	1,973.94	1/2	1,614.98	1/2	1,256.02	1/2	897.51	1/2	538.61	1/2	179.65	1/2		1/2		1/2	
3/4	2,325.42	3/4	1,966.46	3/4	1,607.50	3/4	1,248.54	3/4	890.04	3/4	531.13	3/4	172.17	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/28/2020 CL
CALCULATED: 10/29/2020 CL
PRINTED: 10/29/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "TMTB 109"

3 PORT ULLAGE TABLE

10" HATCH GAUGE HEIGHT 17'-07 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		0		0	4,296.84	0	4,077.96	0	3,859.04	0	3,639.61	0	3,375.24	0	3,019.50
1/4		1/4		1/4		1/4		1/4	4,292.30	1/4	4,073.40	1/4	3,854.48	1/4	3,635.04	1/4	3,367.85	1/4	3,012.08
1/2		1/2		1/2		1/2	4,469.75	1/2	4,287.76	1/2	4,068.84	1/2	3,849.92	1/2	3,630.47	1/2	3,360.46	1/2	3,004.65
3/4		3/4		3/4		3/4	4,468.47	3/4	4,283.20	3/4	4,064.28	3/4	3,845.36	3/4	3,625.89	3/4	3,353.06	3/4	2,997.23
1		1		1		1	4,467.20	1	4,278.64	1	4,059.72	1	3,840.80	1	3,621.32	1	3,345.67	1	2,989.80
1/4		1/4		1/4		1/4	4,465.92	1/4	4,274.08	1/4	4,055.16	1/4	3,836.24	1/4	3,616.75	1/4	3,338.27	1/4	2,982.37
1/2		1/2		1/2		1/2	4,464.64	1/2	4,269.51	1/2	4,050.60	1/2	3,831.68	1/2	3,612.17	1/2	3,330.88	1/2	2,974.95
3/4		3/4		3/4		3/4	4,462.61	3/4	4,264.95	3/4	4,046.04	3/4	3,827.11	3/4	3,607.60	3/4	3,323.48	3/4	2,967.52
2		2		2		2	4,460.57	2	4,260.39	2	4,041.47	2	3,822.54	2	3,603.02	2	3,316.08	2	2,960.10
1/4		1/4		1/4		1/4	4,458.53	1/4	4,255.83	1/4	4,036.91	1/4	3,817.97	1/4	3,598.45	1/4	3,308.68	1/4	2,952.67
1/2		1/2		1/2		1/2	4,456.49	1/2	4,251.27	1/2	4,032.35	1/2	3,813.41	1/2	3,593.88	1/2	3,301.29	1/2	2,945.24
3/4		3/4		3/4		3/4	4,453.69	3/4	4,246.71	3/4	4,027.79	3/4	3,808.83	3/4	3,589.30	3/4	3,293.89	3/4	2,937.82
3		3		3		3	4,450.89	3	4,242.15	3	4,023.23	3	3,804.26	3	3,584.73	3	3,286.49	3	2,930.39
1/4		1/4		1/4		1/4	4,448.08	1/4	4,237.59	1/4	4,018.67	1/4	3,799.69	1/4	3,580.16	1/4	3,279.10	1/4	2,922.97
1/2		1/2		1/2		1/2	4,445.28	1/2	4,233.03	1/2	4,014.11	1/2	3,795.11	1/2	3,575.58	1/2	3,271.70	1/2	2,915.54
3/4		3/4		3/4		3/4	4,441.72	3/4	4,228.47	3/4	4,009.55	3/4	3,790.54	3/4	3,571.01	3/4	3,264.30	3/4	2,908.12
4		4		4		4	4,438.16	4	4,223.91	4	4,004.99	4	3,785.96	4	3,566.44	4	3,256.90	4	2,900.69
1/4		1/4		1/4		1/4	4,434.59	1/4	4,219.35	1/4	4,000.43	1/4	3,781.39	1/4	3,561.86	1/4	3,249.51	1/4	2,893.26
1/2		1/2		1/2		1/2	4,431.03	1/2	4,214.78	1/2	3,995.87	1/2	3,776.82	1/2	3,557.29	1/2	3,242.11	1/2	2,885.84
3/4		3/4		3/4		3/4	4,426.82	3/4	4,210.22	3/4	3,991.31	3/4	3,772.24	3/4	3,552.60	3/4	3,234.71	3/4	2,878.41
5		5		5		5	4,422.61	5	4,205.66	5	3,986.74	5	3,767.67	5	3,547.90	5	3,227.31	5	2,870.99
1/4		1/4		1/4		1/4	4,418.40	1/4	4,201.10	1/4	3,982.18	1/4	3,763.10	1/4	3,543.21	1/4	3,219.92	1/4	2,863.56
1/2		1/2		1/2		1/2	4,414.19	1/2	4,196.54	1/2	3,977.62	1/2	3,758.52	1/2	3,538.52	1/2	3,212.52	1/2	2,856.13
3/4		3/4		3/4		3/4	4,409.70	3/4	4,191.98	3/4	3,973.06	3/4	3,753.95	3/4	3,533.48	3/4	3,205.11	3/4	2,848.71
6		6		6		6	4,405.21	6	4,187.42	6	3,968.50	6	3,749.38	6	3,528.45	6	3,197.70	6	2,841.28
1/4		1/4		1/4		1/4	4,400.72	1/4	4,182.86	1/4	3,963.94	1/4	3,744.80	1/4	3,523.41	1/4	3,190.28	1/4	2,833.86
1/2		1/2		1/2		1/2	4,396.23	1/2	4,178.30	1/2	3,959.38	1/2	3,740.23	1/2	3,518.38	1/2	3,182.87	1/2	2,826.43
3/4		3/4		3/4		3/4	4,391.71	3/4	4,173.74	3/4	3,954.82	3/4	3,735.66	3/4	3,512.88	3/4	3,175.45	3/4	2,819.00
7		7		7		7	4,387.20	7	4,169.18	7	3,950.26	7	3,731.08	7	3,507.39	7	3,168.02	7	2,811.58
1/4		1/4		1/4		1/4	4,382.69	1/4	4,164.62	1/4	3,945.70	1/4	3,726.51	1/4	3,501.90	1/4	3,160.60	1/4	2,804.15
1/2		1/2		1/2		1/2	4,378.18	1/2	4,160.06	1/2	3,941.14	1/2	3,721.94	1/2	3,496.40	1/2	3,153.17	1/2	2,796.73
3/4		3/4		3/4		3/4	4,373.66	3/4	4,155.49	3/4	3,936.58	3/4	3,717.36	3/4	3,490.43	3/4	3,145.74	3/4	2,789.30
8		8		8		8	4,369.14	8	4,150.93	8	3,932.02	8	3,712.79	8	3,484.46	8	3,138.32	8	2,781.87
1/4		1/4		1/4		1/4	4,364.63	1/4	4,146.37	1/4	3,927.45	1/4	3,708.22	1/4	3,478.50	1/4	3,130.89	1/4	2,774.45
1/2		1/2		1/2		1/2	4,360.11	1/2	4,141.81	1/2	3,922.89	1/2	3,703.64	1/2	3,472.53	1/2	3,123.47	1/2	2,767.02
3/4		3/4		3/4		3/4	4,355.59	3/4	4,137.25	3/4	3,918.33	3/4	3,699.07	3/4	3,466.09	3/4	3,116.04	3/4	2,759.60
9		9		9		9	4,351.08	9	4,132.69	9	3,913.77	9	3,694.49	9	3,459.65	9	3,108.61	9	2,752.17
1/4		1/4		1/4		1/4	4,346.56	1/4	4,128.13	1/4	3,909.21	1/4	3,689.92	1/4	3,453.21	1/4	3,101.19	1/4	2,744.75
1/2		1/2		1/2		1/2	4,342.04	1/2	4,123.57	1/2	3,904.65	1/2	3,685.35	1/2	3,446.77	1/2	3,093.76	1/2	2,737.32
3/4		3/4		3/4		3/4	4,337.53	3/4	4,119.01	3/4	3,900.09	3/4	3,680.77	3/4	3,439.85	3/4	3,086.34	3/4	2,729.89
10		10		10		10	4,333.01	10	4,114.45	10	3,895.53	10	3,676.20	10	3,432.93	10	3,078.91	10	2,722.47
1/4		1/4		1/4		1/4	4,328.50	1/4	4,109.89	1/4	3,890.97	1/4	3,671.63	1/4	3,426.01	1/4	3,071.49	1/4	2,715.04
1/2		1/2		1/2		1/2	4,323.98	1/2	4,105.33	1/2	3,886.41	1/2	3,667.05	1/2	3,419.09	1/2	3,064.06	1/2	2,707.62
3/4		3/4		3/4		3/4	4,319.46	3/4	4,100.76	3/4	3,881.85	3/4	3,662.48	3/4	3,411.82	3/4	3,056.63	3/4	2,700.19
11		11		11		11	4,314.95	11	4,096.20	11	3,877.29	11	3,657.91	11	3,404.55	11	3,049.21	11	2,692.76
1/4		1/4		1/4		1/4	4,310.43	1/4	4,091.64	1/4	3,872.72	1/4	3,653.33	1/4	3,397.28	1/4	3,041.78	1/4	2,685.34
1/2		1/2		1/2		1/2	4,305.92	1/2	4,087.08	1/2	3,868.16	1/2	3,648.76	1/2	3,390.01	1/2	3,034.36	1/2	2,677.91
3/4		3/4		3/4		3/4	4,301.38	3/4	4,082.52	3/4	3,863.60	3/4	3,644.19	3/4	3,382.62	3/4	3,026.93	3/4	2,670.49

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.

GAUGE POINT: (10" HATCH) LOCATED 3'-00" OFF CENTERLINE AND 82'-09" 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 109"

3 PORT ULLAGE TABLE 10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-07 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,663.06	0	2,306.42	0	1,950.05	0	1,593.68	0	1,236.85	0	890.77	0	536.24	0	178.98	0		0	
1/4	2,655.63	1/4	2,298.98	1/4	1,942.63	1/4	1,586.25	1/4	1,229.41	1/4	883.63	1/4	528.80	1/4	171.53	1/4		1/4	
1/2	2,648.21	1/2	2,291.55	1/2	1,935.22	1/2	1,578.81	1/2	1,221.98	1/2	876.49	1/2	521.36	1/2	164.08	1/2		1/2	
3/4	2,640.78	3/4	2,284.11	3/4	1,927.80	3/4	1,571.38	3/4	1,214.55	3/4	869.33	3/4	513.92	3/4	156.63	3/4		3/4	
1	2,633.36	1	2,276.68	1	1,920.38	1	1,563.94	1	1,207.11	1	862.18	1	506.48	1	149.18	1		1	
1/4	2,625.93	1/4	2,269.25	1/4	1,912.96	1/4	1,556.51	1/4	1,199.68	1/4	855.03	1/4	499.04	1/4	141.73	1/4		1/4	
1/2	2,618.50	1/2	2,261.82	1/2	1,905.55	1/2	1,549.08	1/2	1,192.24	1/2	847.87	1/2	491.60	1/2	134.28	1/2		1/2	
3/4	2,611.08	3/4	2,254.39	3/4	1,898.13	3/4	1,541.64	3/4	1,184.91	3/4	840.60	3/4	484.17	3/4	126.84	3/4		3/4	
2	2,603.65	2	2,246.95	2	1,890.71	2	1,534.21	2	1,177.58	2	833.33	2	476.73	2	119.39	2		2	
1/4	2,596.22	1/4	2,239.52	1/4	1,883.29	1/4	1,526.77	1/4	1,170.25	1/4	826.06	1/4	469.29	1/4	111.95	1/4		1/4	
1/2	2,588.79	1/2	2,232.09	1/2	1,875.87	1/2	1,519.34	1/2	1,162.92	1/2	818.79	1/2	461.85	1/2	104.51	1/2		1/2	
3/4	2,581.37	3/4	2,224.66	3/4	1,868.46	3/4	1,511.91	3/4	1,155.70	3/4	811.38	3/4	454.41	3/4	97.08	3/4		3/4	
3	2,573.94	3	2,217.23	3	1,861.04	3	1,504.47	3	1,148.48	3	803.98	3	446.97	3	89.65	3		3	
1/4	2,566.51	1/4	2,209.80	1/4	1,853.62	1/4	1,497.04	1/4	1,141.26	1/4	796.57	1/4	439.53	1/4	82.22	1/4		1/4	
1/2	2,559.09	1/2	2,202.37	1/2	1,846.20	1/2	1,489.60	1/2	1,134.04	1/2	789.16	1/2	432.09	1/2	74.80	1/2		1/2	
3/4	2,551.66	3/4	2,194.94	3/4	1,838.79	3/4	1,482.17	3/4	1,126.83	3/4	781.72	3/4	424.65	3/4	67.83	3/4		3/4	
4	2,544.23	4	2,187.51	4	1,831.37	4	1,474.74	4	1,119.62	4	774.28	4	417.22	4	60.86	4		4	
1/4	2,536.80	1/4	2,180.08	1/4	1,823.95	1/4	1,467.30	1/4	1,112.40	1/4	766.84	1/4	409.78	1/4	53.90	1/4		1/4	
1/2	2,529.38	1/2	2,172.65	1/2	1,816.53	1/2	1,459.87	1/2	1,105.19	1/2	759.41	1/2	402.34	1/2	46.93	1/2		1/2	
3/4	2,521.95	3/4	2,165.22	3/4	1,809.12	3/4	1,452.43	3/4	1,098.01	3/4	751.97	3/4	394.90	3/4	41.35	3/4		3/4	
5	2,514.52	5	2,157.79	5	1,801.70	5	1,445.00	5	1,090.83	5	744.53	5	387.46	5	35.76	5		5	
1/4	2,507.10	1/4	2,150.36	1/4	1,794.28	1/4	1,437.57	1/4	1,083.66	1/4	737.09	1/4	380.02	1/4	30.17	1/4		1/4	
1/2	2,499.67	1/2	2,142.93	1/2	1,786.86	1/2	1,430.13	1/2	1,076.48	1/2	729.65	1/2	372.58	1/2	24.58	1/2		1/2	
3/4	2,492.24	3/4	2,135.50	3/4	1,779.45	3/4	1,422.70	3/4	1,069.34	3/4	722.21	3/4	365.14	3/4	20.86	3/4		3/4	
6	2,484.81	6	2,128.07	6	1,772.03	6	1,415.26	6	1,062.19	6	714.77	6	357.70	6	17.13	6		6	
1/4	2,477.39	1/4	2,120.63	1/4	1,764.61	1/4	1,407.83	1/4	1,055.05	1/4	707.33	1/4	350.27	1/4	13.41	1/4		1/4	
1/2	2,469.96	1/2	2,113.20	1/2	1,757.19	1/2	1,400.40	1/2	1,047.91	1/2	699.89	1/2	342.83	1/2	9.68	1/2		1/2	
3/4	2,462.53	3/4	2,105.78	3/4	1,749.77	3/4	1,392.96	3/4	1,040.77	3/4	692.46	3/4	335.39	3/4	7.82	3/4		3/4	
7	2,455.11	7	2,098.36	7	1,742.34	7	1,385.53	7	1,033.62	7	685.02	7	327.95	7	5.96	7		7	
1/4	2,447.68	1/4	2,090.94	1/4	1,734.92	1/4	1,378.09	1/4	1,026.48	1/4	677.58	1/4	320.51	1/4	4.10	1/4		1/4	
1/2	2,440.25	1/2	2,083.52	1/2	1,727.49	1/2	1,370.66	1/2	1,019.34	1/2	670.14	1/2	313.07	1/2	2.23	1/2		1/2	
3/4	2,432.82	3/4	2,076.11	3/4	1,720.06	3/4	1,363.23	3/4	1,012.20	3/4	662.70	3/4	305.63	3/4		3/4		3/4	
8	2,425.39	8	2,068.70	8	1,712.62	8	1,355.79	8	1,005.05	8	655.26	8	298.18	8		8		8	
1/4	2,417.96	1/4	2,061.29	1/4	1,705.19	1/4	1,348.36	1/4	997.91	1/4	647.82	1/4	290.74	1/4		1/4		1/4	
1/2	2,410.53	1/2	2,053.88	1/2	1,697.76	1/2	1,340.92	1/2	990.77	1/2	640.38	1/2	283.29	1/2		1/2		1/2	
3/4	2,403.09	3/4	2,046.47	3/4	1,690.32	3/4	1,333.49	3/4	983.63	3/4	632.94	3/4	275.84	3/4		3/4		3/4	
9	2,395.65	9	2,039.05	9	1,682.89	9	1,326.06	9	976.48	9	625.50	9	268.39	9		9		9	
1/4	2,388.22	1/4	2,031.64	1/4	1,675.45	1/4	1,318.62	1/4	969.34	1/4	618.07	1/4	260.94	1/4		1/4		1/4	
1/2	2,380.78	1/2	2,024.23	1/2	1,668.02	1/2	1,311.19	1/2	962.20	1/2	610.63	1/2	253.49	1/2		1/2		1/2	
3/4	2,373.35	3/4	2,016.81	3/4	1,660.59	3/4	1,303.75	3/4	955.06	3/4	603.19	3/4	246.04	3/4		3/4		3/4	
10	2,365.91	10	2,009.39	10	1,653.15	10	1,296.32	10	947.91	10	595.75	10	238.59	10		10		10	
1/4	2,358.47	1/4	2,001.97	1/4	1,645.72	1/4	1,288.89	1/4	940.77	1/4	588.31	1/4	231.14	1/4		1/4		1/4	
1/2	2,351.04	1/2	1,994.56	1/2	1,638.28	1/2	1,281.45	1/2	933.63	1/2	580.87	1/2	223.69	1/2		1/2		1/2	
3/4	2,343.60	3/4	1,987.14	3/4	1,630.85	3/4	1,274.02	3/4	926.49	3/4	573.43	3/4	216.24	3/4		3/4		3/4	
11	2,336.16	11	1,979.72	11	1,623.42	11	1,266.58	11	919.34	11	565.99	11	208.79	11		11		11	
1/4	2,328.73	1/4	1,972.30	1/4	1,615.98	1/4	1,259.15	1/4	912.20	1/4	558.55	1/4	201.34	1/4		1/4		1/4	
1/2	2,321.29	1/2	1,964.89	1/2	1,608.55	1/2	1,251.72	1/2	905.06	1/2	551.12	1/2	193.89	1/2		1/2		1/2	
3/4	2,313.86	3/4	1,957.47	3/4	1,601.11	3/4	1,244.28	3/4	897.92	3/4	543.68	3/4	186.43	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/28/2020 CL
CALCULATED: 10/29/2020 CL
PRINTED: 10/29/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "TMTB 109"

3 STBD ULLAGE TABLE

10" HATCH
GAUGE HEIGHT 17'-07 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	4,311.11	0	4,092.25	0	3,873.37	0	3,653.97	0	3,386.61	0	3,030.26
1/4		1/4		1/4		1/4	4,488.51	1/4	4,306.57	1/4	4,087.69	1/4	3,868.81	1/4	3,649.40	1/4	3,379.21	1/4	3,022.83
1/2		1/2		1/2		1/2	4,487.23	1/2	4,302.01	1/2	4,083.13	1/2	3,864.25	1/2	3,644.83	1/2	3,371.80	1/2	3,015.39
3/4		3/4		3/4		3/4	4,485.96	3/4	4,297.45	3/4	4,078.57	3/4	3,859.69	3/4	3,640.25	3/4	3,364.40	3/4	3,007.95
1		1		1		1	4,484.68	1	4,292.89	1	4,074.01	1	3,855.13	1	3,635.68	1	3,356.99	1	3,000.51
1/4		1/4		1/4		1/4	4,483.40	1/4	4,288.33	1/4	4,069.45	1/4	3,850.57	1/4	3,631.11	1/4	3,349.58	1/4	2,993.07
1/2		1/2		1/2		1/2	4,481.37	1/2	4,283.77	1/2	4,064.89	1/2	3,846.00	1/2	3,626.53	1/2	3,342.17	1/2	2,985.64
3/4		3/4		3/4		3/4	4,479.33	3/4	4,279.21	3/4	4,060.33	3/4	3,841.44	3/4	3,621.96	3/4	3,334.76	3/4	2,978.20
2		2		2		2	4,477.29	2	4,274.65	2	4,055.77	2	3,836.87	2	3,617.39	2	3,327.35	2	2,970.76
1/4		1/4		1/4		1/4	4,475.25	1/4	4,270.09	1/4	4,051.21	1/4	3,832.31	1/4	3,612.82	1/4	3,319.94	1/4	2,963.32
1/2		1/2		1/2		1/2	4,472.45	1/2	4,265.53	1/2	4,046.65	1/2	3,827.73	1/2	3,608.24	1/2	3,312.53	1/2	2,955.88
3/4		3/4		3/4		3/4	4,469.65	3/4	4,260.97	3/4	4,042.09	3/4	3,823.16	3/4	3,603.67	3/4	3,305.12	3/4	2,948.45
3		3		3		3	4,466.85	3	4,256.41	3	4,037.53	3	3,818.59	3	3,599.10	3	3,297.72	3	2,941.01
1/4		1/4		1/4		1/4	4,464.05	1/4	4,251.85	1/4	4,032.97	1/4	3,814.02	1/4	3,594.53	1/4	3,290.31	1/4	2,933.57
1/2		1/2		1/2		1/2	4,460.48	1/2	4,247.29	1/2	4,028.41	1/2	3,809.44	1/2	3,589.95	1/2	3,282.90	1/2	2,926.13
3/4		3/4		3/4		3/4	4,456.92	3/4	4,242.73	3/4	4,023.85	3/4	3,804.87	3/4	3,585.38	3/4	3,275.49	3/4	2,918.70
4		4		4		4	4,453.36	4	4,238.17	4	4,019.29	4	3,800.30	4	3,580.81	4	3,268.08	4	2,911.26
1/4		1/4		1/4		1/4	4,449.79	1/4	4,233.61	1/4	4,014.73	1/4	3,795.72	1/4	3,576.24	1/4	3,260.67	1/4	2,903.82
1/2		1/2		1/2		1/2	4,445.59	1/2	4,229.05	1/2	4,010.17	1/2	3,791.15	1/2	3,571.54	1/2	3,253.26	1/2	2,896.38
3/4		3/4		3/4		3/4	4,441.38	3/4	4,224.49	3/4	4,005.61	3/4	3,786.58	3/4	3,566.85	3/4	3,245.85	3/4	2,888.94
5		5		5		5	4,437.17	5	4,219.93	5	4,001.05	5	3,782.01	5	3,562.16	5	3,238.44	5	2,881.51
1/4		1/4		1/4		1/4	4,432.96	1/4	4,215.37	1/4	3,996.49	1/4	3,777.43	1/4	3,557.47	1/4	3,231.03	1/4	2,874.07
1/2		1/2		1/2		1/2	4,428.47	1/2	4,210.81	1/2	3,991.93	1/2	3,772.86	1/2	3,552.43	1/2	3,223.61	1/2	2,866.63
3/4		3/4		3/4		3/4	4,423.98	3/4	4,206.25	3/4	3,987.37	3/4	3,768.29	3/4	3,547.40	3/4	3,216.18	3/4	2,859.19
6		6		6		6	4,419.49	6	4,201.69	6	3,982.81	6	3,763.72	6	3,542.37	6	3,208.76	6	2,851.75
1/4		1/4		1/4		1/4	4,415.00	1/4	4,197.13	1/4	3,978.25	1/4	3,759.14	1/4	3,537.33	1/4	3,201.34	1/4	2,844.32
1/2		1/2		1/2		1/2	4,410.49	1/2	4,192.57	1/2	3,973.69	1/2	3,754.57	1/2	3,531.84	1/2	3,193.90	1/2	2,836.88
3/4		3/4		3/4		3/4	4,405.98	3/4	4,188.01	3/4	3,969.13	3/4	3,750.00	3/4	3,526.35	3/4	3,186.46	3/4	2,829.44
7		7		7		7	4,401.47	7	4,183.45	7	3,964.57	7	3,745.43	7	3,520.85	7	3,179.02	7	2,822.00
1/4		1/4		1/4		1/4	4,396.96	1/4	4,178.89	1/4	3,960.01	1/4	3,740.85	1/4	3,515.36	1/4	3,171.58	1/4	2,814.56
1/2		1/2		1/2		1/2	4,392.44	1/2	4,174.33	1/2	3,955.45	1/2	3,736.28	1/2	3,509.39	1/2	3,164.15	1/2	2,807.13
3/4		3/4		3/4		3/4	4,387.93	3/4	4,169.77	3/4	3,950.89	3/4	3,731.71	3/4	3,503.42	3/4	3,156.71	3/4	2,799.69
8		8		8		8	4,383.41	8	4,165.21	8	3,946.33	8	3,727.13	8	3,497.44	8	3,149.27	8	2,792.25
1/4		1/4		1/4		1/4	4,378.90	1/4	4,160.65	1/4	3,941.77	1/4	3,722.56	1/4	3,491.47	1/4	3,141.83	1/4	2,784.81
1/2		1/2		1/2		1/2	4,374.38	1/2	4,156.09	1/2	3,937.21	1/2	3,717.99	1/2	3,485.02	1/2	3,134.39	1/2	2,777.38
3/4		3/4		3/4		3/4	4,369.87	3/4	4,151.53	3/4	3,932.65	3/4	3,713.42	3/4	3,478.57	3/4	3,126.96	3/4	2,769.94
9		9		9		9	4,365.35	9	4,146.97	9	3,928.09	9	3,708.84	9	3,472.12	9	3,119.52	9	2,762.50
1/4		1/4		1/4		1/4	4,360.83	1/4	4,142.41	1/4	3,923.53	1/4	3,704.27	1/4	3,465.67	1/4	3,112.08	1/4	2,755.06
1/2		1/2		1/2		1/2	4,356.32	1/2	4,137.85	1/2	3,918.97	1/2	3,699.70	1/2	3,458.74	1/2	3,104.64	1/2	2,747.62
3/4		3/4		3/4		3/4	4,351.80	3/4	4,133.29	3/4	3,914.41	3/4	3,695.13	3/4	3,451.80	3/4	3,097.20	3/4	2,740.19
10		10		10		10	4,347.29	10	4,128.73	10	3,909.85	10	3,690.55	10	3,444.87	10	3,089.77	10	2,732.75
1/4		1/4		1/4		1/4	4,342.78	1/4	4,124.17	1/4	3,905.29	1/4	3,685.98	1/4	3,437.94	1/4	3,082.33	1/4	2,725.31
1/2		1/2		1/2		1/2	4,338.26	1/2	4,119.61	1/2	3,900.73	1/2	3,681.41	1/2	3,430.66	1/2	3,074.89	1/2	2,717.87
3/4		3/4		3/4		3/4	4,333.75	3/4	4,115.05	3/4	3,896.17	3/4	3,676.83	3/4	3,423.38	3/4	3,067.45	3/4	2,710.43
11		11		11		11	4,329.23	11	4,110.49	11	3,891.61	11	3,672.26	11	3,416.10	11	3,060.02	11	2,703.00
1/4		1/4		1/4		1/4	4,324.72	1/4	4,105.93	1/4	3,887.05	1/4	3,667.69	1/4	3,408.81	1/4	3,052.58	1/4	2,695.56
1/2		1/2		1/2		1/2	4,320.18	1/2	4,101.37	1/2	3,882.49	1/2	3,663.12	1/2	3,401.41	1/2	3,045.14	1/2	2,688.12
3/4		3/4		3/4		3/4	4,315.64	3/4	4,096.81	3/4	3,877.93	3/4	3,658.54	3/4	3,394.01	3/4	3,037.70	3/4	2,680.68

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 10" HATCH ON EXPANSION DOME.

GAUGE POINT: (10" HATCH) LOCATED 3'-00" OFF CENTERLINE AND 82'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "TMTB 109"

3 STBD

ULLAGE TABLE

10" HATCH

GAUGE HEIGHT 17'-07 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	2,673.24	0	2,316.02	0	1,958.51	0	1,600.99	0	1,243.48	0	886.43	0	528.97	0	171.47	0		0	
1/4	2,665.81	1/4	2,308.57	1/4	1,951.06	1/4	1,593.55	1/4	1,236.03	1/4	879.00	1/4	521.52	1/4	164.02	1/4		1/4	
1/2	2,658.37	1/2	2,301.12	1/2	1,943.61	1/2	1,586.10	1/2	1,228.58	1/2	871.55	1/2	514.07	1/2	156.57	1/2		1/2	
3/4	2,650.93	3/4	2,293.68	3/4	1,936.16	3/4	1,578.65	3/4	1,221.14	3/4	864.11	3/4	506.62	3/4	149.13	3/4		3/4	
1	2,643.49	1	2,286.23	1	1,928.71	1	1,571.20	1	1,213.69	1	856.67	1	499.18	1	141.68	1		1	
1/4	2,636.05	1/4	2,278.78	1/4	1,921.27	1/4	1,563.75	1/4	1,206.24	1/4	849.23	1/4	491.73	1/4	134.23	1/4		1/4	
1/2	2,628.61	1/2	2,271.33	1/2	1,913.82	1/2	1,556.30	1/2	1,198.79	1/2	841.78	1/2	484.28	1/2	126.79	1/2		1/2	
3/4	2,621.17	3/4	2,263.88	3/4	1,906.37	3/4	1,548.86	3/4	1,191.34	3/4	834.33	3/4	476.83	3/4	119.35	3/4		3/4	
2	2,613.74	2	2,256.44	2	1,898.92	2	1,541.41	2	1,183.89	2	826.88	2	469.39	2	111.91	2		2	
1/4	2,606.30	1/4	2,248.99	1/4	1,891.47	1/4	1,533.96	1/4	1,176.45	1/4	819.44	1/4	461.94	1/4	104.46	1/4		1/4	
1/2	2,598.86	1/2	2,241.54	1/2	1,884.03	1/2	1,526.51	1/2	1,169.00	1/2	811.99	1/2	454.49	1/2	97.04	1/2		1/2	
3/4	2,591.42	3/4	2,234.09	3/4	1,876.58	3/4	1,519.06	3/4	1,161.56	3/4	804.54	3/4	447.04	3/4	89.62	3/4		3/4	
3	2,583.98	3	2,226.64	3	1,869.13	3	1,511.62	3	1,154.11	3	797.09	3	439.59	3	82.19	3		3	
1/4	2,576.54	1/4	2,219.19	1/4	1,861.68	1/4	1,504.17	1/4	1,146.67	1/4	789.65	1/4	432.15	1/4	74.77	1/4		1/4	
1/2	2,569.10	1/2	2,211.75	1/2	1,854.23	1/2	1,496.72	1/2	1,139.22	1/2	782.20	1/2	424.70	1/2	67.80	1/2		1/2	
3/4	2,561.66	3/4	2,204.30	3/4	1,846.78	3/4	1,489.27	3/4	1,131.78	3/4	774.75	3/4	417.25	3/4	60.84	3/4		3/4	
4	2,554.22	4	2,196.85	4	1,839.34	4	1,481.82	4	1,124.34	4	767.30	4	409.80	4	53.88	4		4	
1/4	2,546.78	1/4	2,189.40	1/4	1,831.89	1/4	1,474.37	1/4	1,116.90	1/4	759.85	1/4	402.35	1/4	46.91	1/4		1/4	
1/2	2,539.34	1/2	2,181.95	1/2	1,824.44	1/2	1,466.93	1/2	1,109.46	1/2	752.41	1/2	394.91	1/2	41.33	1/2		1/2	
3/4	2,531.90	3/4	2,174.51	3/4	1,816.99	3/4	1,459.48	3/4	1,102.02	3/4	744.96	3/4	387.46	3/4	35.74	3/4		3/4	
5	2,524.47	5	2,167.06	5	1,809.54	5	1,452.03	5	1,094.58	5	737.51	5	380.01	5	30.16	5		5	
1/4	2,517.03	1/4	2,159.61	1/4	1,802.10	1/4	1,444.58	1/4	1,087.14	1/4	730.06	1/4	372.56	1/4	24.57	1/4		1/4	
1/2	2,509.59	1/2	2,152.16	1/2	1,794.65	1/2	1,437.13	1/2	1,079.71	1/2	722.61	1/2	365.11	1/2	20.85	1/2		1/2	
3/4	2,502.15	3/4	2,144.71	3/4	1,787.20	3/4	1,429.69	3/4	1,072.28	3/4	715.17	3/4	357.67	3/4	17.12	3/4		3/4	
6	2,494.71	6	2,137.26	6	1,779.75	6	1,422.24	6	1,064.84	6	707.72	6	350.22	6	13.40	6		6	
1/4	2,487.27	1/4	2,129.82	1/4	1,772.30	1/4	1,414.79	1/4	1,057.41	1/4	700.27	1/4	342.77	1/4	9.68	1/4		1/4	
1/2	2,479.83	1/2	2,122.37	1/2	1,764.85	1/2	1,407.34	1/2	1,049.97	1/2	692.82	1/2	335.32	1/2	7.81	1/2		1/2	
3/4	2,472.39	3/4	2,114.92	3/4	1,757.41	3/4	1,399.89	3/4	1,042.54	3/4	685.37	3/4	327.88	3/4	5.95	3/4		3/4	
7	2,464.95	7	2,107.47	7	1,749.96	7	1,392.44	7	1,035.11	7	677.93	7	320.43	7	4.09	7		7	
1/4	2,457.51	1/4	2,100.02	1/4	1,742.51	1/4	1,385.00	1/4	1,027.67	1/4	670.48	1/4	312.98	1/4	2.23	1/4		1/4	
1/2	2,450.07	1/2	2,092.58	1/2	1,735.06	1/2	1,377.55	1/2	1,020.24	1/2	663.03	1/2	305.53	1/2		1/2		1/2	
3/4	2,442.63	3/4	2,085.13	3/4	1,727.61	3/4	1,370.10	3/4	1,012.80	3/4	655.58	3/4	298.08	3/4		3/4		3/4	
8	2,435.19	8	2,077.68	8	1,720.17	8	1,362.65	8	1,005.37	8	648.14	8	290.64	8		8		8	
1/4	2,427.74	1/4	2,070.23	1/4	1,712.72	1/4	1,355.20	1/4	997.94	1/4	640.69	1/4	283.19	1/4		1/4		1/4	
1/2	2,420.30	1/2	2,062.78	1/2	1,705.27	1/2	1,347.76	1/2	990.50	1/2	633.24	1/2	275.74	1/2		1/2		1/2	
3/4	2,412.85	3/4	2,055.33	3/4	1,697.82	3/4	1,340.31	3/4	983.07	3/4	625.79	3/4	268.29	3/4		3/4		3/4	
9	2,405.40	9	2,047.89	9	1,690.37	9	1,332.86	9	975.64	9	618.34	9	260.84	9		9		9	
1/4	2,397.95	1/4	2,040.44	1/4	1,682.92	1/4	1,325.41	1/4	968.20	1/4	610.90	1/4	253.40	1/4		1/4		1/4	
1/2	2,390.50	1/2	2,032.99	1/2	1,675.48	1/2	1,317.96	1/2	960.77	1/2	603.45	1/2	245.95	1/2		1/2		1/2	
3/4	2,383.06	3/4	2,025.54	3/4	1,668.03	3/4	1,310.51	3/4	953.33	3/4	596.00	3/4	238.50	3/4		3/4		3/4	
10	2,375.61	10	2,018.09	10	1,660.58	10	1,303.07	10	945.90	10	588.55	10	231.05	10		10		10	
1/4	2,368.16	1/4	2,010.65	1/4	1,653.13	1/4	1,295.62	1/4	938.47	1/4	581.10	1/4	223.60	1/4		1/4		1/4	
1/2	2,360.71	1/2	2,003.20	1/2	1,645.68	1/2	1,288.17	1/2	931.03	1/2	573.66	1/2	216.16	1/2		1/2		1/2	
3/4	2,353.26	3/4	1,995.75	3/4	1,638.24	3/4	1,280.72	3/4	923.60	3/4	566.21	3/4	208.71	3/4		3/4		3/4	
11	2,345.81	11	1,988.30	11	1,630.79	11	1,273.27	11	916.17	11	558.76	11	201.26	11		11		11	
1/4	2,338.37	1/4	1,980.85	1/4	1,623.34	1/4	1,265.83	1/4	908.73	1/4	551.31	1/4	193.81	1/4		1/4		1/4	
1/2	2,330.92	1/2	1,973.40	1/2	1,615.89	1/2	1,258.38	1/2	901.30	1/2	543.86	1/2	186.37	1/2		1/2		1/2	
3/4	2,323.47	3/4	1,965.96	3/4	1,608.44	3/4	1,250.93	3/4	893.86	3/4	536.42	3/4	178.92	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/28/2020 CL
CALCULATED: 10/29/2020 CL
PRINTED: 10/29/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

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<http://www.pmacorp.net>

P. Mac



BARGE "TMTB 109"

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	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
2 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8
3 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
3 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 8'-00"
 DIFF. = 6'-00" (DOWN BY STERN)

THE CORRECTION FOR 6'-00" TRIM DOWN BY STERN FOR 2 PORT IS - 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 235'-09"

October 28, 2020

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

<http://www.pmacorp.net>



BARGE "TMTB 109"

1 PORT ULLAGE TABLE

HERMETIC GAUGE HEIGHT 15'-09 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	4,875.40	0	4,519.61	0	4,162.72	0	3,805.29	0	3,447.36	0	3,089.43	0	2,731.49	0	2,373.50
1/4		1/4		1/4	4,868.04	1/4	4,512.17	1/4	4,155.29	1/4	3,797.83	1/4	3,439.90	1/4	3,081.97	1/4	2,724.04	1/4	2,366.04
1/2		1/2		1/2	4,860.68	1/2	4,504.74	1/2	4,147.85	1/2	3,790.37	1/2	3,432.44	1/2	3,074.51	1/2	2,716.58	1/2	2,358.58
3/4		3/4		3/4	4,853.31	3/4	4,497.30	3/4	4,140.41	3/4	3,782.92	3/4	3,424.99	3/4	3,067.06	3/4	2,709.12	3/4	2,351.12
1		1		1	4,845.95	1	4,489.87	1	4,132.98	1	3,775.46	1	3,417.53	1	3,059.60	1	2,701.67	1	2,343.66
1/4		1/4		1/4	4,838.59	1/4	4,482.43	1/4	4,125.54	1/4	3,768.00	1/4	3,410.07	1/4	3,052.14	1/4	2,694.21	1/4	2,336.20
1/2		1/2		1/2	4,831.23	1/2	4,475.00	1/2	4,118.11	1/2	3,760.55	1/2	3,402.62	1/2	3,044.68	1/2	2,686.75	1/2	2,328.75
3/4		3/4		3/4	4,823.87	3/4	4,467.56	3/4	4,110.67	3/4	3,753.09	3/4	3,395.16	3/4	3,037.23	3/4	2,679.30	3/4	2,321.29
2		2		2	4,816.50	2	4,460.13	2	4,103.24	2	3,745.63	2	3,387.70	2	3,029.77	2	2,671.84	2	2,313.83
1/4		1/4		1/4	4,809.14	1/4	4,452.69	1/4	4,095.80	1/4	3,738.18	1/4	3,380.25	1/4	3,022.31	1/4	2,664.38	1/4	2,306.37
1/2		1/2		1/2	4,801.78	1/2	4,445.26	1/2	4,088.37	1/2	3,730.72	1/2	3,372.79	1/2	3,014.86	1/2	2,656.93	1/2	2,298.91
3/4		3/4		3/4	4,794.42	3/4	4,437.82	3/4	4,080.93	3/4	3,723.26	3/4	3,365.33	3/4	3,007.40	3/4	2,649.47	3/4	2,291.45
3		3		3	4,787.06	3	4,430.39	3	4,073.50	3	3,715.81	3	3,357.87	3	2,999.94	3	2,642.01	3	2,283.99
1/4		1/4		1/4	4,779.70	1/4	4,422.95	1/4	4,066.06	1/4	3,708.35	1/4	3,350.42	1/4	2,992.49	1/4	2,634.55	1/4	2,276.53
1/2		1/2		1/2	4,772.33	1/2	4,415.52	1/2	4,058.63	1/2	3,700.89	1/2	3,342.96	1/2	2,985.03	1/2	2,627.10	1/2	2,269.07
3/4		3/4		3/4	4,764.97	3/4	4,408.08	3/4	4,051.19	3/4	3,693.43	3/4	3,335.50	3/4	2,977.57	3/4	2,619.64	3/4	2,261.61
4		4		4	4,757.54	4	4,400.65	4	4,043.76	4	3,685.98	4	3,328.05	4	2,970.12	4	2,612.18	4	2,254.15
1/4		1/4		1/4	4,750.10	1/4	4,393.21	1/4	4,036.32	1/4	3,678.52	1/4	3,320.59	1/4	2,962.66	1/4	2,604.73	1/4	2,246.69
1/2		1/2		1/2	4,742.67	1/2	4,385.78	1/2	4,028.89	1/2	3,671.06	1/2	3,313.13	1/2	2,955.20	1/2	2,597.27	1/2	2,239.24
3/4		3/4		3/4	4,735.23	3/4	4,378.34	3/4	4,021.45	3/4	3,663.61	3/4	3,305.68	3/4	2,947.74	3/4	2,589.81	3/4	2,231.78
5		5		5	4,727.80	5	4,370.91	5	4,014.02	5	3,656.15	5	3,298.22	5	2,940.29	5	2,582.35	5	2,224.32
1/4		1/4		1/4	4,720.36	1/4	4,363.47	1/4	4,006.58	1/4	3,648.69	1/4	3,290.76	1/4	2,932.83	1/4	2,574.90	1/4	2,216.86
1/2		1/2		1/2	4,712.93	1/2	4,356.04	1/2	3,999.15	1/2	3,641.24	1/2	3,283.31	1/2	2,925.37	1/2	2,567.44	1/2	2,209.40
3/4		3/4		3/4	4,705.49	3/4	4,348.60	3/4	3,991.71	3/4	3,633.78	3/4	3,275.85	3/4	2,917.92	3/4	2,559.98	3/4	2,201.94
6		6		6	4,698.05	6	4,341.17	6	3,984.25	6	3,626.32	6	3,268.39	6	2,910.46	6	2,552.52	6	2,194.48
1/4		1/4		1/4	4,690.62	1/4	4,333.73	1/4	3,976.80	1/4	3,618.87	1/4	3,260.93	1/4	2,903.00	1/4	2,545.06	1/4	2,187.02
1/2		1/2		1/2	4,683.18	1/2	4,326.29	1/2	3,969.34	1/2	3,611.41	1/2	3,253.48	1/2	2,895.55	1/2	2,537.60	1/2	2,179.56
3/4		3/4		3/4	5,017.25	3/4	4,675.75	3/4	4,318.86	3/4	3,961.88	3/4	3,603.95	3/4	3,246.02	3/4	2,888.09	3/4	2,172.10
7		7		7	5,012.06	7	4,668.31	7	4,311.42	7	3,954.43	7	3,596.50	7	3,238.56	7	2,880.63	7	2,164.64
1/4		1/4		1/4	5,006.87	1/4	4,660.88	1/4	4,303.99	1/4	3,946.97	1/4	3,589.04	1/4	3,231.11	1/4	2,873.18	1/4	2,157.19
1/2		1/2		1/2	5,001.69	1/2	4,653.44	1/2	4,296.55	1/2	3,939.51	1/2	3,581.58	1/2	3,223.65	1/2	2,865.72	1/2	2,149.73
3/4		3/4		3/4	4,996.50	3/4	4,646.01	3/4	4,289.12	3/4	3,932.06	3/4	3,574.12	3/4	3,216.19	3/4	2,858.26	3/4	2,142.27
8		8		8	4,990.07	8	4,638.57	8	4,281.68	8	3,924.60	8	3,566.67	8	3,208.74	8	2,850.81	8	2,134.81
1/4		1/4		1/4	4,983.64	1/4	4,631.14	1/4	4,274.25	1/4	3,917.14	1/4	3,559.21	1/4	3,201.28	1/4	2,843.35	1/4	2,127.35
1/2		1/2		1/2	4,977.20	1/2	4,623.70	1/2	4,266.81	1/2	3,909.68	1/2	3,551.75	1/2	3,193.82	1/2	2,835.89	1/2	2,119.89
3/4		3/4		3/4	4,970.77	3/4	4,616.27	3/4	4,259.38	3/4	3,902.23	3/4	3,544.30	3/4	3,186.37	3/4	2,828.43	3/4	2,112.43
9		9		9	4,963.48	9	4,608.83	9	4,251.94	9	3,894.77	9	3,536.84	9	3,178.91	9	2,820.98	9	2,104.97
1/4		1/4		1/4	4,956.19	1/4	4,601.40	1/4	4,244.51	1/4	3,887.31	1/4	3,529.38	1/4	3,171.45	1/4	2,813.52	1/4	2,097.51
1/2		1/2		1/2	4,948.89	1/2	4,593.96	1/2	4,237.07	1/2	3,879.86	1/2	3,521.93	1/2	3,163.99	1/2	2,806.06	1/2	2,090.05
3/4		3/4		3/4	4,941.60	3/4	4,586.53	3/4	4,229.64	3/4	3,872.40	3/4	3,514.47	3/4	3,156.54	3/4	2,798.61	3/4	2,082.59
10		10		10	4,934.25	10	4,579.09	10	4,222.20	10	3,864.94	10	3,507.01	10	3,149.08	10	2,791.15	10	2,075.14
1/4		1/4		1/4	4,926.90	1/4	4,571.66	1/4	4,214.77	1/4	3,857.49	1/4	3,499.56	1/4	3,141.62	1/4	2,783.69	1/4	2,067.68
1/2		1/2		1/2	4,919.55	1/2	4,564.22	1/2	4,207.33	1/2	3,850.03	1/2	3,492.10	1/2	3,134.17	1/2	2,776.24	1/2	2,060.22
3/4		3/4		3/4	4,912.20	3/4	4,556.79	3/4	4,199.90	3/4	3,842.57	3/4	3,484.64	3/4	3,126.71	3/4	2,768.78	3/4	2,052.76
11		11		11	4,904.85	11	4,549.35	11	4,192.46	11	3,835.12	11	3,477.18	11	3,119.25	11	2,761.32	11	2,045.30
1/4		1/4		1/4	4,897.49	1/4	4,541.92	1/4	4,185.03	1/4	3,827.66	1/4	3,469.73	1/4	3,111.80	1/4	2,753.87	1/4	2,037.84
1/2		1/2		1/2	4,890.13	1/2	4,534.48	1/2	4,177.59	1/2	3,820.20	1/2	3,462.27	1/2	3,104.34	1/2	2,746.41	1/2	2,030.38
3/4		3/4		3/4	4,882.77	3/4	4,527.05	3/4	4,170.16	3/4	3,812.75	3/4	3,454.81	3/4	3,096.88	3/4	2,738.95	3/4	2,022.92

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 12'-09" OFF CENTERLINE AND 43'-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 109"

1 PORT ULLAGE TABLE HERMETIC GAUGE HEIGHT 15'-09 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	2,015.46	0	1,657.43	0	1,299.39	0	942.57	0	585.87	0	242.89	0		0		0		0	
1/4	2,008.00	1/4	1,649.97	1/4	1,291.93	1/4	935.17	1/4	578.42	1/4	236.26	1/4		1/4		1/4		1/4	
1/2	2,000.54	1/2	1,642.51	1/2	1,284.47	1/2	927.77	1/2	570.96	1/2	229.63	1/2		1/2		1/2		1/2	
3/4	1,993.09	3/4	1,635.05	3/4	1,277.01	3/4	920.37	3/4	563.51	3/4	223.01	3/4		3/4		3/4		3/4	
1	1,985.63	1	1,627.59	1	1,269.55	1	912.97	1	556.06	1	216.47	1		1		1		1	
1/4	1,978.17	1/4	1,620.13	1/4	1,262.09	1/4	905.57	1/4	548.60	1/4	209.93	1/4		1/4		1/4		1/4	
1/2	1,970.71	1/2	1,612.67	1/2	1,254.63	1/2	898.17	1/2	541.15	1/2	203.39	1/2		1/2		1/2		1/2	
3/4	1,963.25	3/4	1,605.21	3/4	1,247.18	3/4	890.77	3/4	533.70	3/4	196.85	3/4		3/4		3/4		3/4	
2	1,955.79	2	1,597.75	2	1,239.72	2	883.37	2	526.24	2	190.39	2		2		2		2	
1/4	1,948.33	1/4	1,590.29	1/4	1,232.26	1/4	875.97	1/4	518.78	1/4	183.94	1/4		1/4		1/4		1/4	
1/2	1,940.87	1/2	1,582.84	1/2	1,224.80	1/2	868.57	1/2	511.32	1/2	177.49	1/2		1/2		1/2		1/2	
3/4	1,933.41	3/4	1,575.38	3/4	1,217.34	3/4	861.17	3/4	503.86	3/4	171.04	3/4		3/4		3/4		3/4	
3	1,925.95	3	1,567.92	3	1,209.88	3	853.77	3	496.44	3	164.67	3		3		3		3	
1/4	1,918.49	1/4	1,560.46	1/4	1,202.42	1/4	846.37	1/4	489.03	1/4	158.31	1/4		1/4		1/4		1/4	
1/2	1,911.04	1/2	1,553.00	1/2	1,194.96	1/2	838.97	1/2	481.61	1/2	151.94	1/2		1/2		1/2		1/2	
3/4	1,903.58	3/4	1,545.54	3/4	1,187.50	3/4	831.57	3/4	474.20	3/4	145.58	3/4		3/4		3/4		3/4	
4	1,896.12	4	1,538.08	4	1,180.04	4	824.17	4	466.87	4	139.30	4		4		4		4	
1/4	1,888.66	1/4	1,530.62	1/4	1,172.58	1/4	816.77	1/4	459.54	1/4	133.02	1/4		1/4		1/4		1/4	
1/2	1,881.20	1/2	1,523.16	1/2	1,165.13	1/2	809.37	1/2	452.22	1/2	126.74	1/2		1/2		1/2		1/2	
3/4	1,873.74	3/4	1,515.70	3/4	1,157.67	3/4	801.97	3/4	444.89	3/4	120.47	3/4		3/4		3/4		3/4	
5	1,866.28	5	1,508.24	5	1,150.21	5	794.56	5	437.65	5	114.28	5		5		5		5	
1/4	1,858.82	1/4	1,500.78	1/4	1,142.75	1/4	787.15	1/4	430.41	1/4	108.09	1/4		1/4		1/4		1/4	
1/2	1,851.36	1/2	1,493.33	1/2	1,135.29	1/2	779.75	1/2	423.17	1/2	101.90	1/2		1/2		1/2		1/2	
3/4	1,843.90	3/4	1,485.87	3/4	1,127.83	3/4	772.34	3/4	415.93	3/4	95.71	3/4		3/4		3/4		3/4	
6	1,836.44	6	1,478.41	6	1,120.40	6	764.88	6	408.78	6	89.62	6		6		6		6	
1/4	1,828.99	1/4	1,470.95	1/4	1,112.97	1/4	757.42	1/4	401.62	1/4	83.53	1/4		1/4		1/4		1/4	
1/2	1,821.53	1/2	1,463.49	1/2	1,105.55	1/2	749.96	1/2	394.47	1/2	77.44	1/2		1/2		1/2		1/2	
3/4	1,814.07	3/4	1,456.03	3/4	1,098.12	3/4	742.50	3/4	387.32	3/4	71.34	3/4		3/4		3/4		3/4	
7	1,806.61	7	1,448.57	7	1,090.69	7	735.04	7	380.25	7	65.37	7		7		7		7	
1/4	1,799.15	1/4	1,441.11	1/4	1,083.26	1/4	727.58	1/4	373.19	1/4	59.39	1/4		1/4		1/4		1/4	
1/2	1,791.69	1/2	1,433.65	1/2	1,075.84	1/2	720.12	1/2	366.12	1/2	53.41	1/2		1/2		1/2		1/2	
3/4	1,784.23	3/4	1,426.19	3/4	1,068.41	3/4	712.67	3/4	359.06	3/4	47.43	3/4		3/4		3/4		3/4	
8	1,776.77	8	1,418.73	8	1,061.00	8	705.21	8	352.08	8	42.44	8		8		8		8	
1/4	1,769.31	1/4	1,411.28	1/4	1,053.59	1/4	697.75	1/4	345.10	1/4	37.44	1/4		1/4		1/4		1/4	
1/2	1,761.85	1/2	1,403.82	1/2	1,046.18	1/2	690.29	1/2	338.12	1/2	32.45	1/2		1/2		1/2		1/2	
3/4	1,754.39	3/4	1,396.36	3/4	1,038.77	3/4	682.83	3/4	331.15	3/4	27.45	3/4		3/4		3/4		3/4	
9	1,746.94	9	1,388.90	9	1,031.37	9	675.37	9	324.26	9	24.41	9		9		9		9	
1/4	1,739.48	1/4	1,381.44	1/4	1,023.97	1/4	667.91	1/4	317.37	1/4	21.37	1/4		1/4		1/4		1/4	
1/2	1,732.02	1/2	1,373.98	1/2	1,016.57	1/2	660.45	1/2	310.48	1/2	18.33	1/2		1/2		1/2		1/2	
3/4	1,724.56	3/4	1,366.52	3/4	1,009.17	3/4	652.99	3/4	303.59	3/4	15.28	3/4		3/4		3/4		3/4	
10	1,717.10	10	1,359.06	10	1,001.77	10	645.54	10	296.78	10		10		10		10		10	
1/4	1,709.64	1/4	1,351.60	1/4	994.37	1/4	638.08	1/4	289.98	1/4		1/4		1/4		1/4		1/4	
1/2	1,702.18	1/2	1,344.14	1/2	986.97	1/2	630.62	1/2	283.18	1/2		1/2		1/2		1/2		1/2	
3/4	1,694.72	3/4	1,336.68	3/4	979.57	3/4	623.16	3/4	276.38	3/4		3/4		3/4		3/4		3/4	
11	1,687.26	11	1,329.23	11	972.17	11	615.70	11	269.66	11		11		11		11		11	
1/4	1,679.80	1/4	1,321.77	1/4	964.77	1/4	608.24	1/4	262.95	1/4		1/4		1/4		1/4		1/4	
1/2	1,672.34	1/2	1,314.31	1/2	957.37	1/2	600.78	1/2	256.23	1/2		1/2		1/2		1/2		1/2	
3/4	1,664.89	3/4	1,306.85	3/4	949.97	3/4	593.32	3/4	249.52	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/28/2020 CL
CALCULATED: 10/29/2020 CL
PRINTED: 10/29/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "TMTB 109"

1 STBD ULLAGE TABLE

HERMETIC GAUGE HEIGHT 15'-09 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	4,878.58	0	4,522.71	0	4,165.74	0	3,808.23	0	3,450.21	0	3,092.20	0	2,734.19	0	2,376.11
1/4		1/4		1/4	4,871.22	1/4	4,515.27	1/4	4,158.30	1/4	3,800.77	1/4	3,442.76	1/4	3,084.74	1/4	2,726.73	1/4	2,368.65
1/2		1/2		1/2	4,863.85	1/2	4,507.84	1/2	4,150.87	1/2	3,793.31	1/2	3,435.30	1/2	3,077.28	1/2	2,719.27	1/2	2,361.19
3/4		3/4		3/4	4,856.49	3/4	4,500.40	3/4	4,143.43	3/4	3,785.85	3/4	3,427.84	3/4	3,069.83	3/4	2,711.81	3/4	2,353.73
1		1		1	4,849.12	1	4,492.96	1	4,135.99	1	3,778.39	1	3,420.38	1	3,062.37	1	2,704.35	1	2,346.27
1/4		1/4		1/4	4,841.76	1/4	4,485.53	1/4	4,128.56	1/4	3,770.93	1/4	3,412.92	1/4	3,054.91	1/4	2,696.90	1/4	2,338.81
1/2		1/2		1/2	4,834.40	1/2	4,478.09	1/2	4,121.12	1/2	3,763.48	1/2	3,405.46	1/2	3,047.45	1/2	2,689.44	1/2	2,331.35
3/4		3/4		3/4	4,827.03	3/4	4,470.65	3/4	4,113.68	3/4	3,756.02	3/4	3,398.00	3/4	3,039.99	3/4	2,681.98	3/4	2,323.89
2		2		2	4,819.67	2	4,463.22	2	4,106.25	2	3,748.56	2	3,390.55	2	3,032.53	2	2,674.52	2	2,316.43
1/4		1/4		1/4	4,812.31	1/4	4,455.78	1/4	4,098.81	1/4	3,741.10	1/4	3,383.09	1/4	3,025.07	1/4	2,667.06	1/4	2,308.96
1/2		1/2		1/2	4,804.95	1/2	4,448.34	1/2	4,091.37	1/2	3,733.64	1/2	3,375.63	1/2	3,017.62	1/2	2,659.60	1/2	2,301.50
3/4		3/4		3/4	4,797.58	3/4	4,440.91	3/4	4,083.93	3/4	3,726.18	3/4	3,368.17	3/4	3,010.16	3/4	2,652.14	3/4	2,294.04
3		3		3	4,790.22	3	4,433.47	3	4,076.50	3	3,718.72	3	3,360.71	3	3,002.70	3	2,644.69	3	2,286.58
1/4		1/4		1/4	4,782.86	1/4	4,426.03	1/4	4,069.06	1/4	3,711.26	1/4	3,353.25	1/4	2,995.24	1/4	2,637.23	1/4	2,279.12
1/2		1/2		1/2	4,775.49	1/2	4,418.59	1/2	4,061.62	1/2	3,703.81	1/2	3,345.79	1/2	2,987.78	1/2	2,629.77	1/2	2,271.66
3/4		3/4		3/4	4,768.13	3/4	4,411.16	3/4	4,054.19	3/4	3,696.35	3/4	3,338.33	3/4	2,980.32	3/4	2,622.31	3/4	2,264.20
4		4		4	4,760.69	4	4,403.72	4	4,046.75	4	3,688.89	4	3,330.88	4	2,972.86	4	2,614.85	4	2,256.74
1/4		1/4		1/4	4,753.26	1/4	4,396.28	1/4	4,039.31	1/4	3,681.43	1/4	3,323.42	1/4	2,965.40	1/4	2,607.39	1/4	2,249.28
1/2		1/2		1/2	4,745.82	1/2	4,388.85	1/2	4,031.88	1/2	3,673.97	1/2	3,315.96	1/2	2,957.95	1/2	2,599.93	1/2	2,241.82
3/4		3/4		3/4	4,738.38	3/4	4,381.41	3/4	4,024.44	3/4	3,666.51	3/4	3,308.50	3/4	2,950.49	3/4	2,592.47	3/4	2,234.36
5		5		5	4,730.94	5	4,373.97	5	4,017.00	5	3,659.05	5	3,301.04	5	2,943.03	5	2,585.01	5	2,226.90
1/4		1/4		1/4	4,723.51	1/4	4,366.54	1/4	4,009.57	1/4	3,651.60	1/4	3,293.58	1/4	2,935.57	1/4	2,577.55	1/4	2,219.43
1/2		1/2		1/2	4,716.07	1/2	4,359.10	1/2	4,002.13	1/2	3,644.14	1/2	3,286.12	1/2	2,928.11	1/2	2,570.09	1/2	2,211.97
3/4		3/4		3/4	4,708.63	3/4	4,351.66	3/4	3,994.69	3/4	3,636.68	3/4	3,278.67	3/4	2,920.65	3/4	2,562.63	3/4	2,204.51
6		6		6	4,701.20	6	4,344.23	6	3,987.23	6	3,629.22	6	3,271.21	6	2,913.19	6	2,555.17	6	2,197.05
1/4		1/4		1/4	4,693.76	1/4	4,336.79	1/4	3,979.77	1/4	3,621.76	1/4	3,263.75	1/4	2,905.74	1/4	2,547.71	1/4	2,189.59
1/2		1/2		1/2	4,686.32	1/2	4,329.35	1/2	3,972.32	1/2	3,614.30	1/2	3,256.29	1/2	2,898.28	1/2	2,540.25	1/2	2,182.13
3/4		3/4		3/4	5,020.46	3/4	4,678.89	3/4	4,321.92	3/4	3,964.86	3/4	3,606.84	3/4	3,248.83	3/4	2,890.82	3/4	2,174.67
7		7		7	5,015.27	7	4,671.45	7	4,314.48	7	3,957.40	7	3,599.39	7	3,241.37	7	2,883.36	7	2,167.21
1/4		1/4		1/4	5,010.08	1/4	4,664.01	1/4	4,307.04	1/4	3,949.94	1/4	3,591.93	1/4	3,233.91	1/4	2,875.90	1/4	2,159.75
1/2		1/2		1/2	5,004.89	1/2	4,656.58	1/2	4,299.60	1/2	3,942.48	1/2	3,584.47	1/2	3,226.46	1/2	2,868.44	1/2	2,152.29
3/4		3/4		3/4	4,999.70	3/4	4,649.14	3/4	4,292.17	3/4	3,935.02	3/4	3,577.01	3/4	3,219.00	3/4	2,860.98	3/4	2,144.83
8		8		8	4,993.27	8	4,641.70	8	4,284.73	8	3,927.56	8	3,569.55	8	3,211.54	8	2,853.53	8	2,137.37
1/4		1/4		1/4	4,986.84	1/4	4,634.27	1/4	4,277.29	1/4	3,920.11	1/4	3,562.09	1/4	3,204.08	1/4	2,846.07	1/4	2,129.91
1/2		1/2		1/2	4,980.41	1/2	4,626.83	1/2	4,269.86	1/2	3,912.65	1/2	3,554.63	1/2	3,196.62	1/2	2,838.61	1/2	2,122.44
3/4		3/4		3/4	4,973.97	3/4	4,619.39	3/4	4,262.42	3/4	3,905.19	3/4	3,547.18	3/4	3,189.16	3/4	2,831.15	3/4	2,114.98
9		9		9	4,966.68	9	4,611.95	9	4,254.98	9	3,897.73	9	3,539.72	9	3,181.70	9	2,823.69	9	2,107.52
1/4		1/4		1/4	4,959.38	1/4	4,604.52	1/4	4,247.55	1/4	3,890.27	1/4	3,532.26	1/4	3,174.25	1/4	2,816.23	1/4	2,100.06
1/2		1/2		1/2	4,952.09	1/2	4,597.08	1/2	4,240.11	1/2	3,882.81	1/2	3,524.80	1/2	3,166.79	1/2	2,808.77	1/2	2,092.60
3/4		3/4		3/4	4,944.80	3/4	4,589.64	3/4	4,232.67	3/4	3,875.35	3/4	3,517.34	3/4	3,159.33	3/4	2,801.32	3/4	2,085.14
10		10		10	4,937.44	10	4,582.21	10	4,225.24	10	3,867.90	10	3,509.88	10	3,151.87	10	2,793.86	10	2,077.68
1/4		1/4		1/4	4,930.09	1/4	4,574.77	1/4	4,217.80	1/4	3,860.44	1/4	3,502.42	1/4	3,144.41	1/4	2,786.40	1/4	2,070.22
1/2		1/2		1/2	4,922.74	1/2	4,567.33	1/2	4,210.36	1/2	3,852.98	1/2	3,494.97	1/2	3,136.95	1/2	2,778.94	1/2	2,062.76
3/4		3/4		3/4	4,915.39	3/4	4,559.90	3/4	4,202.92	3/4	3,845.52	3/4	3,487.51	3/4	3,129.49	3/4	2,771.48	3/4	2,055.30
11		11		11	4,908.03	11	4,552.46	11	4,195.49	11	3,838.06	11	3,480.05	11	3,122.04	11	2,764.02	11	2,047.84
1/4		1/4		1/4	4,900.67	1/4	4,545.02	1/4	4,188.05	1/4	3,830.60	1/4	3,472.59	1/4	3,114.58	1/4	2,756.56	1/4	2,040.38
1/2		1/2		1/2	4,893.31	1/2	4,537.59	1/2	4,180.61	1/2	3,823.14	1/2	3,465.13	1/2	3,107.12	1/2	2,749.11	1/2	2,032.91
3/4		3/4		3/4	4,885.95	3/4	4,530.15	3/4	4,173.18	3/4	3,815.69	3/4	3,457.67	3/4	3,099.66	3/4	2,741.65	3/4	2,025.45

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 12'-09" OFF CENTERLINE AND 43'-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 109"

1 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 15'-09 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	2,017.99	0	1,659.87	0	1,301.76	0	943.87	0	586.02	0	242.93	0		0		0		0	
1/4	2,010.53	1/4	1,652.41	1/4	1,294.30	1/4	936.42	1/4	578.56	1/4	236.30	1/4		1/4		1/4		1/4	
1/2	2,003.07	1/2	1,644.95	1/2	1,286.83	1/2	928.98	1/2	571.10	1/2	229.67	1/2		1/2		1/2		1/2	
3/4	1,995.61	3/4	1,637.49	3/4	1,279.37	3/4	921.53	3/4	563.64	3/4	223.04	3/4		3/4		3/4		3/4	
1	1,988.15	1	1,630.03	1	1,271.91	1	914.08	1	556.18	1	216.50	1		1		1		1	
1/4	1,980.69	1/4	1,622.57	1/4	1,264.45	1/4	906.64	1/4	548.72	1/4	209.96	1/4		1/4		1/4		1/4	
1/2	1,973.23	1/2	1,615.11	1/2	1,256.99	1/2	899.19	1/2	541.26	1/2	203.42	1/2		1/2		1/2		1/2	
3/4	1,965.77	3/4	1,607.65	3/4	1,249.53	3/4	891.74	3/4	533.80	3/4	196.87	3/4		3/4		3/4		3/4	
2	1,958.31	2	1,600.19	2	1,242.07	2	884.30	2	526.34	2	190.42	2		2		2		2	
1/4	1,950.85	1/4	1,592.73	1/4	1,234.61	1/4	876.85	1/4	518.87	1/4	183.97	1/4		1/4		1/4		1/4	
1/2	1,943.39	1/2	1,585.27	1/2	1,227.15	1/2	869.40	1/2	511.41	1/2	177.51	1/2		1/2		1/2		1/2	
3/4	1,935.92	3/4	1,577.81	3/4	1,219.69	3/4	861.96	3/4	503.95	3/4	171.06	3/4		3/4		3/4		3/4	
3	1,928.46	3	1,570.35	3	1,212.23	3	854.51	3	496.54	3	164.69	3		3		3		3	
1/4	1,921.00	1/4	1,562.88	1/4	1,204.77	1/4	847.06	1/4	489.12	1/4	158.33	1/4		1/4		1/4		1/4	
1/2	1,913.54	1/2	1,555.42	1/2	1,197.31	1/2	839.62	1/2	481.70	1/2	151.96	1/2		1/2		1/2		1/2	
3/4	1,906.08	3/4	1,547.96	3/4	1,189.84	3/4	832.17	3/4	474.29	3/4	145.60	3/4		3/4		3/4		3/4	
4	1,898.62	4	1,540.50	4	1,182.38	4	824.72	4	466.96	4	139.32	4		4		4		4	
1/4	1,891.16	1/4	1,533.04	1/4	1,174.92	1/4	817.28	1/4	459.63	1/4	133.04	1/4		1/4		1/4		1/4	
1/2	1,883.70	1/2	1,525.58	1/2	1,167.46	1/2	809.83	1/2	452.30	1/2	126.76	1/2		1/2		1/2		1/2	
3/4	1,876.24	3/4	1,518.12	3/4	1,160.00	3/4	802.39	3/4	444.97	3/4	120.48	3/4		3/4		3/4		3/4	
5	1,868.78	5	1,510.66	5	1,152.54	5	794.92	5	437.73	5	114.29	5		5		5		5	
1/4	1,861.32	1/4	1,503.20	1/4	1,145.08	1/4	787.46	1/4	430.48	1/4	108.10	1/4		1/4		1/4		1/4	
1/2	1,853.86	1/2	1,495.74	1/2	1,137.62	1/2	780.00	1/2	423.24	1/2	101.91	1/2		1/2		1/2		1/2	
3/4	1,846.39	3/4	1,488.28	3/4	1,130.16	3/4	772.54	3/4	416.00	3/4	95.72	3/4		3/4		3/4		3/4	
6	1,838.93	6	1,480.82	6	1,122.70	6	765.08	6	408.85	6	89.63	6		6		6		6	
1/4	1,831.47	1/4	1,473.35	1/4	1,115.24	1/4	757.62	1/4	401.69	1/4	83.54	1/4		1/4		1/4		1/4	
1/2	1,824.01	1/2	1,465.89	1/2	1,107.78	1/2	750.16	1/2	394.54	1/2	77.45	1/2		1/2		1/2		1/2	
3/4	1,816.55	3/4	1,458.43	3/4	1,100.31	3/4	742.70	3/4	387.38	3/4	71.35	3/4		3/4		3/4		3/4	
7	1,809.09	7	1,450.97	7	1,092.86	7	735.24	7	380.32	7	65.38	7		7		7		7	
1/4	1,801.63	1/4	1,443.51	1/4	1,085.40	1/4	727.78	1/4	373.25	1/4	59.40	1/4		1/4		1/4		1/4	
1/2	1,794.17	1/2	1,436.05	1/2	1,077.95	1/2	720.32	1/2	366.18	1/2	53.42	1/2		1/2		1/2		1/2	
3/4	1,786.71	3/4	1,428.59	3/4	1,070.49	3/4	712.86	3/4	359.12	3/4	47.44	3/4		3/4		3/4		3/4	
8	1,779.25	8	1,421.13	8	1,063.04	8	705.39	8	352.14	8	42.44	8		8		8		8	
1/4	1,771.79	1/4	1,413.67	1/4	1,055.58	1/4	697.93	1/4	345.16	1/4	37.45	1/4		1/4		1/4		1/4	
1/2	1,764.33	1/2	1,406.21	1/2	1,048.13	1/2	690.47	1/2	338.18	1/2	32.45	1/2		1/2		1/2		1/2	
3/4	1,756.87	3/4	1,398.75	3/4	1,040.67	3/4	683.01	3/4	331.20	3/4	27.46	3/4		3/4		3/4		3/4	
9	1,749.40	9	1,391.29	9	1,033.23	9	675.55	9	324.31	9	24.42	9		9		9		9	
1/4	1,741.94	1/4	1,383.83	1/4	1,025.78	1/4	668.09	1/4	317.42	1/4	21.38	1/4		1/4		1/4		1/4	
1/2	1,734.48	1/2	1,376.36	1/2	1,018.33	1/2	660.63	1/2	310.53	1/2	18.33	1/2		1/2		1/2		1/2	
3/4	1,727.02	3/4	1,368.90	3/4	1,010.89	3/4	653.17	3/4	303.64	3/4	15.29	3/4		3/4		3/4		3/4	
10	1,719.56	10	1,361.44	10	1,003.44	10	645.71	10	296.83	10		10		10		10		10	
1/4	1,712.10	1/4	1,353.98	1/4	995.99	1/4	638.25	1/4	290.03	1/4		1/4		1/4		1/4		1/4	
1/2	1,704.64	1/2	1,346.52	1/2	988.55	1/2	630.79	1/2	283.22	1/2		1/2		1/2		1/2		1/2	
3/4	1,697.18	3/4	1,339.06	3/4	981.10	3/4	623.33	3/4	276.42	3/4		3/4		3/4		3/4		3/4	
11	1,689.72	11	1,331.60	11	973.65	11	615.87	11	269.70	11		11		11		11		11	
1/4	1,682.26	1/4	1,324.14	1/4	966.21	1/4	608.40	1/4	262.99	1/4		1/4		1/4		1/4		1/4	
1/2	1,674.80	1/2	1,316.68	1/2	958.76	1/2	600.94	1/2	256.27	1/2		1/2		1/2		1/2		1/2	
3/4	1,667.34	3/4	1,309.22	3/4	951.32	3/4	593.48	3/4	249.55	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/28/2020 CL
CALCULATED: 10/29/2020 CL
PRINTED: 10/29/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "TMTB 109"

2 PORT ULLAGE TABLE

HERMETIC GAUGE HEIGHT 15'-09 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	4,925.83	0	4,568.75	0	4,210.81	0	3,852.28	0	3,493.30	0	3,134.31	0	2,775.32	0	2,416.33
1/4		1/4		1/4	4,918.44	1/4	4,561.29	1/4	4,203.35	1/4	3,844.80	1/4	3,485.82	1/4	3,126.83	1/4	2,767.84	1/4	2,408.86
1/2		1/2		1/2	4,911.05	1/2	4,553.83	1/2	4,195.90	1/2	3,837.33	1/2	3,478.34	1/2	3,119.35	1/2	2,760.36	1/2	2,401.38
3/4		3/4		3/4	4,903.66	3/4	4,546.38	3/4	4,188.44	3/4	3,829.85	3/4	3,470.86	3/4	3,111.87	3/4	2,752.88	3/4	2,393.90
1		1		1	4,896.26	1	4,538.92	1	4,180.98	1	3,822.37	1	3,463.38	1	3,104.39	1	2,745.41	1	2,386.42
1/4		1/4		1/4	4,888.87	1/4	4,531.46	1/4	4,173.53	1/4	3,814.89	1/4	3,455.90	1/4	3,096.91	1/4	2,737.93	1/4	2,378.94
1/2		1/2		1/2	4,881.48	1/2	4,524.00	1/2	4,166.07	1/2	3,807.41	1/2	3,448.42	1/2	3,089.44	1/2	2,730.45	1/2	2,371.46
3/4		3/4		3/4	4,874.09	3/4	4,516.55	3/4	4,158.61	3/4	3,799.93	3/4	3,440.94	3/4	3,081.96	3/4	2,722.97	3/4	2,363.98
2		2		2	4,866.70	2	4,509.09	2	4,151.15	2	3,792.45	2	3,433.46	2	3,074.48	2	2,715.49	2	2,356.50
1/4		1/4		1/4	4,859.31	1/4	4,501.63	1/4	4,143.70	1/4	3,784.97	1/4	3,425.99	1/4	3,067.00	1/4	2,708.01	1/4	2,349.02
1/2		1/2		1/2	4,851.92	1/2	4,494.18	1/2	4,136.24	1/2	3,777.49	1/2	3,418.51	1/2	3,059.52	1/2	2,700.53	1/2	2,341.55
3/4		3/4		3/4	4,844.52	3/4	4,486.72	3/4	4,128.78	3/4	3,770.01	3/4	3,411.03	3/4	3,052.04	3/4	2,693.05	3/4	2,334.07
3		3		3	4,837.13	3	4,479.26	3	4,121.33	3	3,762.54	3	3,403.55	3	3,044.56	3	2,685.57	3	2,326.59
1/4		1/4		1/4	4,829.74	1/4	4,471.81	1/4	4,113.87	1/4	3,755.06	1/4	3,396.07	1/4	3,037.08	1/4	2,678.10	1/4	2,319.11
1/2		1/2		1/2	4,822.28	1/2	4,464.35	1/2	4,106.41	1/2	3,747.58	1/2	3,388.59	1/2	3,029.60	1/2	2,670.62	1/2	2,311.63
3/4		3/4		3/4	4,814.83	3/4	4,456.89	3/4	4,098.96	3/4	3,740.10	3/4	3,381.11	3/4	3,022.12	3/4	2,663.14	3/4	2,304.15
4		4		4	4,807.37	4	4,449.43	4	4,091.50	4	3,732.62	4	3,373.63	4	3,014.65	4	2,655.66	4	2,296.67
1/4		1/4		1/4	4,799.91	1/4	4,441.98	1/4	4,084.04	1/4	3,725.14	1/4	3,366.15	1/4	3,007.17	1/4	2,648.18	1/4	2,289.19
1/2		1/2		1/2	4,792.46	1/2	4,434.52	1/2	4,076.58	1/2	3,717.66	1/2	3,358.68	1/2	2,999.69	1/2	2,640.70	1/2	2,281.71
3/4		3/4		3/4	4,785.00	3/4	4,427.06	3/4	4,069.13	3/4	3,710.18	3/4	3,351.20	3/4	2,992.21	3/4	2,633.22	3/4	2,274.23
5		5		5	4,777.54	5	4,419.61	5	4,061.67	5	3,702.70	5	3,343.72	5	2,984.73	5	2,625.74	5	2,266.76
1/4		1/4		1/4	4,770.09	1/4	4,412.15	1/4	4,054.21	1/4	3,695.23	1/4	3,336.24	1/4	2,977.25	1/4	2,618.26	1/4	2,259.28
1/2		1/2		1/2	4,762.63	1/2	4,404.69	1/2	4,046.73	1/2	3,687.75	1/2	3,328.76	1/2	2,969.77	1/2	2,610.79	1/2	2,251.80
3/4		3/4		3/4	4,755.17	3/4	4,397.24	3/4	4,039.26	3/4	3,680.27	3/4	3,321.28	3/4	2,962.29	3/4	2,603.31	3/4	2,244.32
6		6		6	4,747.71	6	4,389.78	6	4,031.78	6	3,672.79	6	3,313.80	6	2,954.81	6	2,595.83	6	2,236.84
1/4		1/4	5,083.00	1/4	4,740.26	1/4	4,382.32	1/4	4,024.30	1/4	3,665.31	1/4	3,306.32	1/4	2,947.34	1/4	2,588.35	1/4	2,229.36
1/2		1/2	5,077.79	1/2	4,732.80	1/2	4,374.86	1/2	4,016.82	1/2	3,657.83	1/2	3,298.84	1/2	2,939.86	1/2	2,580.87	1/2	2,221.88
3/4		3/4	5,072.58	3/4	4,725.34	3/4	4,367.41	3/4	4,009.34	3/4	3,650.35	3/4	3,291.37	3/4	2,932.38	3/4	2,573.39	3/4	2,214.40
7		7	5,067.37	7	4,717.89	7	4,359.95	7	4,001.86	7	3,642.87	7	3,283.89	7	2,924.90	7	2,565.91	7	2,206.92
1/4		1/4	5,062.16	1/4	4,710.43	1/4	4,352.49	1/4	3,994.38	1/4	3,635.39	1/4	3,276.41	1/4	2,917.42	1/4	2,558.43	1/4	2,199.45
1/2		1/2	5,055.71	1/2	4,702.97	1/2	4,345.04	1/2	3,986.90	1/2	3,627.92	1/2	3,268.93	1/2	2,909.94	1/2	2,550.95	1/2	2,191.97
3/4		3/4	5,049.25	3/4	4,695.52	3/4	4,337.58	3/4	3,979.42	3/4	3,620.44	3/4	3,261.45	3/4	2,902.46	3/4	2,543.48	3/4	2,184.49
8		8	5,042.79	8	4,688.06	8	4,330.12	8	3,971.95	8	3,612.96	8	3,253.97	8	2,894.98	8	2,536.00	8	2,177.01
1/4		1/4	5,036.34	1/4	4,680.60	1/4	4,322.67	1/4	3,964.47	1/4	3,605.48	1/4	3,246.49	1/4	2,887.50	1/4	2,528.52	1/4	2,169.53
1/2		1/2	5,029.02	1/2	4,673.14	1/2	4,315.21	1/2	3,956.99	1/2	3,598.00	1/2	3,239.01	1/2	2,880.03	1/2	2,521.04	1/2	2,162.05
3/4		3/4	5,021.70	3/4	4,665.69	3/4	4,307.75	3/4	3,949.51	3/4	3,590.52	3/4	3,231.53	3/4	2,872.55	3/4	2,513.56	3/4	2,154.57
9		9	5,014.38	9	4,658.23	9	4,300.29	9	3,942.03	9	3,583.04	9	3,224.06	9	2,865.07	9	2,506.08	9	2,147.09
1/4		1/4	5,007.06	1/4	4,650.77	1/4	4,292.84	1/4	3,934.55	1/4	3,575.56	1/4	3,216.58	1/4	2,857.59	1/4	2,498.60	1/4	2,139.61
1/2		1/2	4,999.68	1/2	4,643.32	1/2	4,285.38	1/2	3,927.07	1/2	3,568.08	1/2	3,209.10	1/2	2,850.11	1/2	2,491.12	1/2	2,132.14
3/4		3/4	4,992.30	3/4	4,635.86	3/4	4,277.92	3/4	3,919.59	3/4	3,560.61	3/4	3,201.62	3/4	2,842.63	3/4	2,483.64	3/4	2,124.66
10		10	4,984.93	10	4,628.40	10	4,270.47	10	3,912.11	10	3,553.13	10	3,194.14	10	2,835.15	10	2,476.17	10	2,117.18
1/4		1/4	4,977.55	1/4	4,620.95	1/4	4,263.01	1/4	3,904.64	1/4	3,545.65	1/4	3,186.66	1/4	2,827.67	1/4	2,468.69	1/4	2,109.70
1/2		1/2	4,970.16	1/2	4,613.49	1/2	4,255.55	1/2	3,897.16	1/2	3,538.17	1/2	3,179.18	1/2	2,820.19	1/2	2,461.21	1/2	2,102.22
3/4		3/4	4,962.78	3/4	4,606.03	3/4	4,248.10	3/4	3,889.68	3/4	3,530.69	3/4	3,171.70	3/4	2,812.72	3/4	2,453.73	3/4	2,094.74
11		11	4,955.39	11	4,598.57	11	4,240.64	11	3,882.20	11	3,523.21	11	3,164.22	11	2,805.24	11	2,446.25	11	2,087.26
1/4		1/4	4,948.00	1/4	4,591.12	1/4	4,233.18	1/4	3,874.72	1/4	3,515.73	1/4	3,156.75	1/4	2,797.76	1/4	2,438.77	1/4	2,079.78
1/2		1/2	4,940.61	1/2	4,583.66	1/2	4,225.72	1/2	3,867.24	1/2	3,508.25	1/2	3,149.27	1/2	2,790.28	1/2	2,431.29	1/2	2,072.30
3/4		3/4	4,933.22	3/4	4,576.20	3/4	4,218.27	3/4	3,859.76	3/4	3,500.77	3/4	3,141.79	3/4	2,782.80	3/4	2,423.81	3/4	2,064.83

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 12'-09" OFF CENTERLINE AND 43'-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 109"

2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09 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	2,057.35	0	1,698.36	0	1,339.37	0	988.51	0	635.87	0	276.88	0		0		0		0	
1/4	2,049.87	1/4	1,690.88	1/4	1,331.89	1/4	981.34	1/4	628.39	1/4	269.40	1/4		1/4		1/4		1/4	
1/2	2,042.39	1/2	1,683.40	1/2	1,324.41	1/2	974.16	1/2	620.91	1/2	261.92	1/2		1/2		1/2		1/2	
3/4	2,034.91	3/4	1,675.92	3/4	1,316.94	3/4	966.99	3/4	613.43	3/4	254.45	3/4		3/4		3/4		3/4	
1	2,027.43	1	1,668.44	1	1,309.46	1	959.82	1	605.95	1	246.97	1		1		1		1	
1/4	2,019.95	1/4	1,660.97	1/4	1,301.98	1/4	952.65	1/4	598.47	1/4	239.49	1/4		1/4		1/4		1/4	
1/2	2,012.47	1/2	1,653.49	1/2	1,294.50	1/2	945.48	1/2	591.00	1/2	232.01	1/2		1/2		1/2		1/2	
3/4	2,004.99	3/4	1,646.01	3/4	1,287.02	3/4	938.30	3/4	583.52	3/4	224.53	3/4		3/4		3/4		3/4	
2	1,997.52	2	1,638.53	2	1,279.54	2	931.13	2	576.04	2	217.05	2		2		2		2	
1/4	1,990.04	1/4	1,631.05	1/4	1,272.06	1/4	923.96	1/4	568.56	1/4	209.57	1/4		1/4		1/4		1/4	
1/2	1,982.56	1/2	1,623.57	1/2	1,264.58	1/2	916.79	1/2	561.08	1/2	202.09	1/2		1/2		1/2		1/2	
3/4	1,975.08	3/4	1,616.09	3/4	1,257.10	3/4	909.62	3/4	553.60	3/4	194.61	3/4		3/4		3/4		3/4	
3	1,967.60	3	1,608.61	3	1,249.63	3	902.44	3	546.12	3	187.14	3		3		3		3	
1/4	1,960.12	1/4	1,601.13	1/4	1,242.15	1/4	895.27	1/4	538.64	1/4	179.66	1/4		1/4		1/4		1/4	
1/2	1,952.64	1/2	1,593.66	1/2	1,234.67	1/2	888.10	1/2	531.16	1/2	172.18	1/2		1/2		1/2		1/2	
3/4	1,945.16	3/4	1,586.18	3/4	1,227.19	3/4	880.93	3/4	523.69	3/4	164.70	3/4		3/4		3/4		3/4	
4	1,937.68	4	1,578.70	4	1,219.71	4	873.76	4	516.21	4	157.22	4		4		4		4	
1/4	1,930.21	1/4	1,571.22	1/4	1,212.23	1/4	866.58	1/4	508.73	1/4	149.74	1/4		1/4		1/4		1/4	
1/2	1,922.73	1/2	1,563.74	1/2	1,204.75	1/2	859.39	1/2	501.25	1/2	142.26	1/2		1/2		1/2		1/2	
3/4	1,915.25	3/4	1,556.26	3/4	1,197.27	3/4	852.19	3/4	493.77	3/4	134.79	3/4		3/4		3/4		3/4	
5	1,907.77	5	1,548.78	5	1,189.79	5	845.00	5	486.29	5	127.31	5		5		5		5	
1/4	1,900.29	1/4	1,541.30	1/4	1,182.32	1/4	837.80	1/4	478.81	1/4	119.83	1/4		1/4		1/4		1/4	
1/2	1,892.81	1/2	1,533.82	1/2	1,175.12	1/2	830.32	1/2	471.33	1/2	112.36	1/2		1/2		1/2		1/2	
3/4	1,885.33	3/4	1,526.34	3/4	1,167.92	3/4	822.84	3/4	463.85	3/4	104.89	3/4		3/4		3/4		3/4	
6	1,877.85	6	1,518.87	6	1,160.73	6	815.36	6	456.38	6	97.43	6		6		6		6	
1/4	1,870.37	1/4	1,511.39	1/4	1,153.53	1/4	807.88	1/4	448.90	1/4	89.96	1/4		1/4		1/4		1/4	
1/2	1,862.90	1/2	1,503.91	1/2	1,146.35	1/2	800.41	1/2	441.42	1/2	82.52	1/2		1/2		1/2		1/2	
3/4	1,855.42	3/4	1,496.43	3/4	1,139.17	3/4	792.93	3/4	433.94	3/4	75.07	3/4		3/4		3/4		3/4	
7	1,847.94	7	1,488.95	7	1,131.99	7	785.45	7	426.46	7	67.63	7		7		7		7	
1/4	1,840.46	1/4	1,481.47	1/4	1,124.81	1/4	777.97	1/4	418.98	1/4	60.19	1/4		1/4		1/4		1/4	
1/2	1,832.98	1/2	1,473.99	1/2	1,117.63	1/2	770.49	1/2	411.50	1/2	53.65	1/2		1/2		1/2		1/2	
3/4	1,825.50	3/4	1,466.51	3/4	1,110.45	3/4	763.01	3/4	404.02	3/4	47.10	3/4		3/4		3/4		3/4	
8	1,818.02	8	1,459.03	8	1,103.27	8	755.53	8	396.54	8	40.56	8		8		8		8	
1/4	1,810.54	1/4	1,451.56	1/4	1,096.09	1/4	748.05	1/4	389.07	1/4	34.02	1/4		1/4		1/4		1/4	
1/2	1,803.06	1/2	1,444.08	1/2	1,088.92	1/2	740.57	1/2	381.59	1/2	29.34	1/2		1/2		1/2		1/2	
3/4	1,795.59	3/4	1,436.60	3/4	1,081.74	3/4	733.09	3/4	374.11	3/4	24.67	3/4		3/4		3/4		3/4	
9	1,788.11	9	1,429.12	9	1,074.57	9	725.62	9	366.63	9	19.99	9		9		9		9	
1/4	1,780.63	1/4	1,421.64	1/4	1,067.40	1/4	718.14	1/4	359.15	1/4	15.32	1/4		1/4		1/4		1/4	
1/2	1,773.15	1/2	1,414.16	1/2	1,060.23	1/2	710.66	1/2	351.67	1/2		1/2		1/2		1/2		1/2	
3/4	1,765.67	3/4	1,406.68	3/4	1,053.06	3/4	703.18	3/4	344.19	3/4		3/4		3/4		3/4		3/4	
10	1,758.19	10	1,399.20	10	1,045.88	10	695.70	10	336.71	10		10		10		10		10	
1/4	1,750.71	1/4	1,391.72	1/4	1,038.71	1/4	688.22	1/4	329.23	1/4		1/4		1/4		1/4		1/4	
1/2	1,743.23	1/2	1,384.25	1/2	1,031.54	1/2	680.74	1/2	321.76	1/2		1/2		1/2		1/2		1/2	
3/4	1,735.75	3/4	1,376.77	3/4	1,024.37	3/4	673.26	3/4	314.28	3/4		3/4		3/4		3/4		3/4	
11	1,728.28	11	1,369.29	11	1,017.20	11	665.78	11	306.80	11		11		11		11		11	
1/4	1,720.80	1/4	1,361.81	1/4	1,010.02	1/4	658.31	1/4	299.32	1/4		1/4		1/4		1/4		1/4	
1/2	1,713.32	1/2	1,354.33	1/2	1,002.85	1/2	650.83	1/2	291.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,705.84	3/4	1,346.85	3/4	995.68	3/4	643.35	3/4	284.36	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/28/2020 CL
CALCULATED: 10/29/2020 CL
PRINTED: 10/29/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "TMTB 109"

2 STBD ULLAGE TABLE

HERMETIC GAUGE HEIGHT 15'-09 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	4,946.06	0	4,589.27	0	4,231.45	0	3,873.07	0	3,514.22	0	3,155.36	0	2,796.51	0	2,437.59
1/4		1/4		1/4	4,938.68	1/4	4,581.82	1/4	4,224.00	1/4	3,865.59	1/4	3,506.74	1/4	3,147.89	1/4	2,789.04	1/4	2,430.11
1/2		1/2		1/2	4,931.29	1/2	4,574.36	1/2	4,216.54	1/2	3,858.12	1/2	3,499.27	1/2	3,140.41	1/2	2,781.56	1/2	2,422.64
3/4		3/4		3/4	4,923.91	3/4	4,566.91	3/4	4,209.09	3/4	3,850.64	3/4	3,491.79	3/4	3,132.94	3/4	2,774.08	3/4	2,415.16
1		1		1	4,916.53	1	4,559.45	1	4,201.63	1	3,843.17	1	3,484.31	1	3,125.46	1	2,766.61	1	2,407.68
1/4		1/4		1/4	4,909.15	1/4	4,552.00	1/4	4,194.18	1/4	3,835.69	1/4	3,476.84	1/4	3,117.98	1/4	2,759.13	1/4	2,400.20
1/2		1/2		1/2	4,901.77	1/2	4,544.54	1/2	4,186.72	1/2	3,828.21	1/2	3,469.36	1/2	3,110.51	1/2	2,751.66	1/2	2,392.72
3/4		3/4		3/4	4,894.39	3/4	4,537.09	3/4	4,179.27	3/4	3,820.74	3/4	3,461.88	3/4	3,103.03	3/4	2,744.18	3/4	2,385.24
2		2		2	4,887.01	2	4,529.63	2	4,171.81	2	3,813.26	2	3,454.41	2	3,095.56	2	2,736.70	2	2,377.77
1/4		1/4		1/4	4,879.63	1/4	4,522.18	1/4	4,164.36	1/4	3,805.79	1/4	3,446.93	1/4	3,088.08	1/4	2,729.23	1/4	2,370.29
1/2		1/2		1/2	4,872.25	1/2	4,514.72	1/2	4,156.90	1/2	3,798.31	1/2	3,439.46	1/2	3,080.60	1/2	2,721.75	1/2	2,362.81
3/4		3/4		3/4	4,864.87	3/4	4,507.27	3/4	4,149.45	3/4	3,790.83	3/4	3,431.98	3/4	3,073.13	3/4	2,714.27	3/4	2,355.33
3		3		3	4,857.49	3	4,499.82	3	4,141.99	3	3,783.36	3	3,424.50	3	3,065.65	3	2,706.80	3	2,347.85
1/4		1/4		1/4	4,850.11	1/4	4,492.36	1/4	4,134.54	1/4	3,775.88	1/4	3,417.03	1/4	3,058.18	1/4	2,699.32	1/4	2,340.38
1/2		1/2		1/2	4,842.73	1/2	4,484.91	1/2	4,127.09	1/2	3,768.40	1/2	3,409.55	1/2	3,050.70	1/2	2,691.85	1/2	2,332.90
3/4		3/4		3/4	4,835.27	3/4	4,477.45	3/4	4,119.63	3/4	3,760.93	3/4	3,402.08	3/4	3,043.22	3/4	2,684.37	3/4	2,325.42
4		4		4	4,827.82	4	4,470.00	4	4,112.18	4	3,753.45	4	3,394.60	4	3,035.75	4	2,676.89	4	2,317.94
1/4		1/4		1/4	4,820.36	1/4	4,462.54	1/4	4,104.72	1/4	3,745.98	1/4	3,387.12	1/4	3,028.27	1/4	2,669.42	1/4	2,310.46
1/2		1/2		1/2	4,812.91	1/2	4,455.09	1/2	4,097.27	1/2	3,738.50	1/2	3,379.65	1/2	3,020.79	1/2	2,661.94	1/2	2,302.98
3/4		3/4		3/4	4,805.45	3/4	4,447.63	3/4	4,089.81	3/4	3,731.02	3/4	3,372.17	3/4	3,013.32	3/4	2,654.46	3/4	2,295.51
5		5		5	4,798.00	5	4,440.18	5	4,082.36	5	3,723.55	5	3,364.70	5	3,005.84	5	2,646.99	5	2,288.03
1/4		1/4		1/4	4,790.55	1/4	4,432.72	1/4	4,074.90	1/4	3,716.07	1/4	3,357.22	1/4	2,998.37	1/4	2,639.51	1/4	2,280.55
1/2		1/2		1/2	4,783.09	1/2	4,425.27	1/2	4,067.45	1/2	3,708.60	1/2	3,349.74	1/2	2,990.89	1/2	2,632.03	1/2	2,273.07
3/4		3/4		3/4	4,775.64	3/4	4,417.82	3/4	4,059.97	3/4	3,701.12	3/4	3,342.27	3/4	2,983.41	3/4	2,624.55	3/4	2,265.59
6		6		6	4,768.18	6	4,410.36	6	4,052.50	6	3,693.64	6	3,334.79	6	2,975.94	6	2,617.07	6	2,258.11
1/4		1/4		1/4	4,760.73	1/4	4,402.91	1/4	4,045.02	1/4	3,686.17	1/4	3,327.31	1/4	2,968.46	1/4	2,609.59	1/4	2,250.64
1/2		1/2		1/2	5,095.67	1/2	4,753.27	1/2	4,395.45	1/2	4,037.54	1/2	3,678.69	1/2	3,319.84	1/2	2,960.99	1/2	2,602.12
3/4		3/4		3/4	5,090.47	3/4	4,745.82	3/4	4,388.00	3/4	4,030.07	3/4	3,671.22	3/4	3,312.36	3/4	2,953.51	3/4	2,594.64
7		7		7	5,085.27	7	4,738.36	7	4,380.54	7	4,022.59	7	3,663.74	7	3,304.89	7	2,946.03	7	2,587.16
1/4		1/4		1/4	5,080.07	1/4	4,730.91	1/4	4,373.09	1/4	4,015.12	1/4	3,656.26	1/4	3,297.41	1/4	2,938.56	1/4	2,579.68
1/2		1/2		1/2	5,074.86	1/2	4,723.45	1/2	4,365.63	1/2	4,007.64	1/2	3,648.79	1/2	3,289.93	1/2	2,931.08	1/2	2,572.20
3/4		3/4		3/4	5,068.42	3/4	4,716.00	3/4	4,358.18	3/4	4,000.16	3/4	3,641.31	3/4	3,282.46	3/4	2,923.61	3/4	2,564.72
8		8		8	5,061.97	8	4,708.54	8	4,350.72	8	3,992.69	8	3,633.84	8	3,274.98	8	2,916.13	8	2,557.25
1/4		1/4		1/4	5,055.52	1/4	4,701.09	1/4	4,343.27	1/4	3,985.21	1/4	3,626.36	1/4	3,267.51	1/4	2,908.65	1/4	2,549.77
1/2		1/2		1/2	5,049.07	1/2	4,693.64	1/2	4,335.81	1/2	3,977.74	1/2	3,618.88	1/2	3,260.03	1/2	2,901.18	1/2	2,542.29
3/4		3/4		3/4	5,041.76	3/4	4,686.18	3/4	4,328.36	3/4	3,970.26	3/4	3,611.41	3/4	3,252.55	3/4	2,893.70	3/4	2,534.81
9		9		9	5,034.45	9	4,678.73	9	4,320.91	9	3,962.78	9	3,603.93	9	3,245.08	9	2,886.23	9	2,527.33
1/4		1/4		1/4	5,027.13	1/4	4,671.27	1/4	4,313.45	1/4	3,955.31	1/4	3,596.45	1/4	3,237.60	1/4	2,878.75	1/4	2,519.85
1/2		1/2		1/2	5,019.82	1/2	4,663.82	1/2	4,306.00	1/2	3,947.83	1/2	3,588.98	1/2	3,230.13	1/2	2,871.27	1/2	2,512.38
3/4		3/4		3/4	5,012.45	3/4	4,656.36	3/4	4,298.54	3/4	3,940.36	3/4	3,581.50	3/4	3,222.65	3/4	2,863.80	3/4	2,504.90
10		10		10	5,005.09	10	4,648.91	10	4,291.09	10	3,932.88	10	3,574.03	10	3,215.17	10	2,856.32	10	2,497.42
1/4		1/4		1/4	4,997.72	1/4	4,641.45	1/4	4,283.63	1/4	3,925.40	1/4	3,566.55	1/4	3,207.70	1/4	2,848.84	1/4	2,489.94
1/2		1/2		1/2	4,990.35	1/2	4,634.00	1/2	4,276.18	1/2	3,917.93	1/2	3,559.07	1/2	3,200.22	1/2	2,841.37	1/2	2,482.46
3/4		3/4		3/4	4,982.97	3/4	4,626.54	3/4	4,268.72	3/4	3,910.45	3/4	3,551.60	3/4	3,192.75	3/4	2,833.89	3/4	2,474.98
11		11		11	4,975.59	11	4,619.09	11	4,261.27	11	3,902.97	11	3,544.12	11	3,185.27	11	2,826.42	11	2,467.51
1/4		1/4		1/4	4,968.21	1/4	4,611.63	1/4	4,253.81	1/4	3,895.50	1/4	3,536.65	1/4	3,177.79	1/4	2,818.94	1/4	2,460.03
1/2		1/2		1/2	4,960.82	1/2	4,604.18	1/2	4,246.36	1/2	3,888.02	1/2	3,529.17	1/2	3,170.32	1/2	2,811.46	1/2	2,452.55
3/4		3/4		3/4	4,953.44	3/4	4,596.73	3/4	4,238.90	3/4	3,880.55	3/4	3,521.69	3/4	3,162.84	3/4	2,803.99	3/4	2,445.07

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 12'-09" OFF CENTERLINE AND 43'-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 109"

2 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 15'-09 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	2,078.63	0	1,719.68	0	1,360.72	0	1,002.00	0	643.30	0	284.34	0		0		0		0	
1/4	2,071.16	1/4	1,712.20	1/4	1,353.24	1/4	994.54	1/4	635.82	1/4	276.87	1/4		1/4		1/4		1/4	
1/2	2,063.68	1/2	1,704.72	1/2	1,345.76	1/2	987.08	1/2	628.35	1/2	269.39	1/2		1/2		1/2		1/2	
3/4	2,056.20	3/4	1,697.24	3/4	1,338.28	3/4	979.61	3/4	620.87	3/4	261.91	3/4		3/4		3/4		3/4	
1	2,048.72	1	1,689.76	1	1,330.80	1	972.15	1	613.39	1	254.43	1		1		1		1	
1/4	2,041.24	1/4	1,682.28	1/4	1,323.33	1/4	964.68	1/4	605.91	1/4	246.95	1/4		1/4		1/4		1/4	
1/2	2,033.76	1/2	1,674.81	1/2	1,315.85	1/2	957.22	1/2	598.43	1/2	239.47	1/2		1/2		1/2		1/2	
3/4	2,026.29	3/4	1,667.33	3/4	1,308.37	3/4	949.76	3/4	590.95	3/4	232.00	3/4		3/4		3/4		3/4	
2	2,018.81	2	1,659.85	2	1,300.89	2	942.29	2	583.48	2	224.52	2		2		2		2	
1/4	2,011.33	1/4	1,652.37	1/4	1,293.41	1/4	934.83	1/4	576.00	1/4	217.04	1/4		1/4		1/4		1/4	
1/2	2,003.85	1/2	1,644.89	1/2	1,285.93	1/2	927.36	1/2	568.52	1/2	209.56	1/2		1/2		1/2		1/2	
3/4	1,996.37	3/4	1,637.41	3/4	1,278.46	3/4	919.90	3/4	561.04	3/4	202.08	3/4		3/4		3/4		3/4	
3	1,988.90	3	1,629.94	3	1,270.98	3	912.44	3	553.56	3	194.60	3		3		3		3	
1/4	1,981.42	1/4	1,622.46	1/4	1,263.50	1/4	904.97	1/4	546.08	1/4	187.13	1/4		1/4		1/4		1/4	
1/2	1,973.94	1/2	1,614.98	1/2	1,256.02	1/2	897.51	1/2	538.61	1/2	179.65	1/2		1/2		1/2		1/2	
3/4	1,966.46	3/4	1,607.50	3/4	1,248.54	3/4	890.04	3/4	531.13	3/4	172.17	3/4		3/4		3/4		3/4	
4	1,958.98	4	1,600.02	4	1,241.07	4	882.58	4	523.65	4	164.69	4		4		4		4	
1/4	1,951.50	1/4	1,592.55	1/4	1,233.59	1/4	875.12	1/4	516.17	1/4	157.21	1/4		1/4		1/4		1/4	
1/2	1,944.03	1/2	1,585.07	1/2	1,226.11	1/2	867.65	1/2	508.69	1/2	149.73	1/2		1/2		1/2		1/2	
3/4	1,936.55	3/4	1,577.59	3/4	1,218.63	3/4	860.17	3/4	501.21	3/4	142.26	3/4		3/4		3/4		3/4	
5	1,929.07	5	1,570.11	5	1,211.15	5	852.70	5	493.74	5	134.78	5		5		5		5	
1/4	1,921.59	1/4	1,562.63	1/4	1,203.67	1/4	845.22	1/4	486.26	1/4	127.30	1/4		1/4		1/4		1/4	
1/2	1,914.11	1/2	1,555.15	1/2	1,196.20	1/2	837.74	1/2	478.78	1/2	119.83	1/2		1/2		1/2		1/2	
3/4	1,906.63	3/4	1,547.68	3/4	1,188.72	3/4	830.26	3/4	471.30	3/4	112.36	3/4		3/4		3/4		3/4	
6	1,899.16	6	1,540.20	6	1,181.24	6	822.78	6	463.82	6	104.89	6		6		6		6	
1/4	1,891.68	1/4	1,532.72	1/4	1,173.76	1/4	815.30	1/4	456.35	1/4	97.42	1/4		1/4		1/4		1/4	
1/2	1,884.20	1/2	1,525.24	1/2	1,166.28	1/2	807.83	1/2	448.87	1/2	89.96	1/2		1/2		1/2		1/2	
3/4	1,876.72	3/4	1,517.76	3/4	1,158.81	3/4	800.35	3/4	441.39	3/4	82.51	3/4		3/4		3/4		3/4	
7	1,869.24	7	1,510.28	7	1,151.34	7	792.87	7	433.91	7	75.07	7		7		7		7	
1/4	1,861.76	1/4	1,502.81	1/4	1,143.86	1/4	785.39	1/4	426.43	1/4	67.63	1/4		1/4		1/4		1/4	
1/2	1,854.29	1/2	1,495.33	1/2	1,136.39	1/2	777.91	1/2	418.95	1/2	60.19	1/2		1/2		1/2		1/2	
3/4	1,846.81	3/4	1,487.85	3/4	1,128.92	3/4	770.43	3/4	411.48	3/4	53.65	3/4		3/4		3/4		3/4	
8	1,839.33	8	1,480.37	8	1,121.45	8	762.96	8	404.00	8	47.10	8		8		8		8	
1/4	1,831.85	1/4	1,472.89	1/4	1,113.97	1/4	755.48	1/4	396.52	1/4	40.56	1/4		1/4		1/4		1/4	
1/2	1,824.37	1/2	1,465.41	1/2	1,106.50	1/2	748.00	1/2	389.04	1/2	34.02	1/2		1/2		1/2		1/2	
3/4	1,816.89	3/4	1,457.94	3/4	1,099.04	3/4	740.52	3/4	381.56	3/4	29.35	3/4		3/4		3/4		3/4	
9	1,809.42	9	1,450.46	9	1,091.57	9	733.04	9	374.08	9	24.67	9		9		9		9	
1/4	1,801.94	1/4	1,442.98	1/4	1,084.11	1/4	725.56	1/4	366.61	1/4	20.00	1/4		1/4		1/4		1/4	
1/2	1,794.46	1/2	1,435.50	1/2	1,076.64	1/2	718.09	1/2	359.13	1/2	15.32	1/2		1/2		1/2		1/2	
3/4	1,786.98	3/4	1,428.02	3/4	1,069.18	3/4	710.61	3/4	351.65	3/4		3/4		3/4		3/4		3/4	
10	1,779.50	10	1,420.54	10	1,061.72	10	703.13	10	344.17	10		10		10		10		10	
1/4	1,772.02	1/4	1,413.07	1/4	1,054.25	1/4	695.65	1/4	336.69	1/4		1/4		1/4		1/4		1/4	
1/2	1,764.55	1/2	1,405.59	1/2	1,046.79	1/2	688.17	1/2	329.21	1/2		1/2		1/2		1/2		1/2	
3/4	1,757.07	3/4	1,398.11	3/4	1,039.32	3/4	680.69	3/4	321.74	3/4		3/4		3/4		3/4		3/4	
11	1,749.59	11	1,390.63	11	1,031.86	11	673.22	11	314.26	11		11		11		11		11	
1/4	1,742.11	1/4	1,383.15	1/4	1,024.40	1/4	665.74	1/4	306.78	1/4		1/4		1/4		1/4		1/4	
1/2	1,734.63	1/2	1,375.67	1/2	1,016.93	1/2	658.26	1/2	299.30	1/2		1/2		1/2		1/2		1/2	
3/4	1,727.15	3/4	1,368.20	3/4	1,009.47	3/4	650.78	3/4	291.82	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/28/2020 CL
CALCULATED: 10/29/2020 CL
PRINTED: 10/29/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "TMTB 109"

3 PORT ULLAGE TABLE

HERMETIC GAUGE HEIGHT 15'-09 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	4,360.10	0	4,141.81	0	3,922.88	0	3,703.63	0	3,472.52	0	3,123.45	0	2,767.01	0	2,410.52
1/4		1/4		1/4	4,355.58	1/4	4,137.25	1/4	3,918.32	1/4	3,699.06	1/4	3,466.32	1/4	3,116.03	1/4	2,759.59	1/4	2,403.08
1/2		1/2		1/2	4,351.07	1/2	4,132.69	1/2	3,913.76	1/2	3,694.49	1/2	3,460.11	1/2	3,108.60	1/2	2,752.16	1/2	2,395.65
3/4		3/4		3/4	4,346.55	3/4	4,128.12	3/4	3,909.20	3/4	3,689.91	3/4	3,453.44	3/4	3,101.18	3/4	2,744.74	3/4	2,388.21
1		1		1	4,342.03	1	4,123.56	1	3,904.64	1	3,685.34	1	3,446.76	1	3,093.75	1	2,737.31	1	2,380.77
1/4		1/4		1/4	4,337.52	1/4	4,119.00	1/4	3,900.08	1/4	3,680.77	1/4	3,440.08	1/4	3,086.32	1/4	2,729.89	1/4	2,373.34
1/2		1/2		1/2	4,333.00	1/2	4,114.44	1/2	3,895.52	1/2	3,676.19	1/2	3,433.40	1/2	3,078.90	1/2	2,722.46	1/2	2,365.90
3/4		3/4		3/4	4,328.49	3/4	4,109.88	3/4	3,890.96	3/4	3,671.62	3/4	3,426.24	3/4	3,071.47	3/4	2,715.03	3/4	2,358.47
2		2		2	4,323.97	2	4,105.32	2	3,886.40	2	3,667.05	2	3,419.09	2	3,064.05	2	2,707.61	2	2,351.03
1/4		1/4		1/4	4,319.46	1/4	4,100.76	1/4	3,881.84	1/4	3,662.47	1/4	3,411.93	1/4	3,056.62	1/4	2,700.18	1/4	2,343.59
1/2		1/2		1/2	4,314.94	1/2	4,096.20	1/2	3,877.28	1/2	3,657.90	1/2	3,404.77	1/2	3,049.19	1/2	2,692.76	1/2	2,336.16
3/4		3/4		3/4	4,310.42	3/4	4,091.64	3/4	3,872.71	3/4	3,653.32	3/4	3,397.39	3/4	3,041.77	3/4	2,685.33	3/4	2,328.72
3		3		3	4,305.91	3	4,087.08	3	3,868.15	3	3,648.75	3	3,390.00	3	3,034.34	3	2,677.90	3	2,321.29
1/4		1/4		1/4	4,301.39	1/4	4,082.52	1/4	3,863.59	1/4	3,644.18	1/4	3,382.62	1/4	3,026.92	1/4	2,670.48	1/4	2,313.85
1/2		1/2		1/2	4,296.88	1/2	4,077.95	1/2	3,859.03	1/2	3,639.60	1/2	3,375.24	1/2	3,019.49	1/2	2,663.05	1/2	2,306.41
3/4		3/4		3/4	4,292.32	3/4	4,073.39	3/4	3,854.47	3/4	3,635.03	3/4	3,367.84	3/4	3,012.07	3/4	2,655.63	3/4	2,298.98
4		4		4	4,287.76	4	4,068.83	4	3,849.91	4	3,630.46	4	3,360.45	4	3,004.64	4	2,648.20	4	2,291.54
1/4		1/4		1/4	4,283.20	1/4	4,064.27	1/4	3,845.35	1/4	3,625.88	1/4	3,353.06	1/4	2,997.21	1/4	2,640.78	1/4	2,284.11
1/2		1/2		1/2	4,278.63	1/2	4,059.71	1/2	3,840.79	1/2	3,621.31	1/2	3,345.66	1/2	2,989.79	1/2	2,633.35	1/2	2,276.67
3/4		3/4		3/4	4,274.07	3/4	4,055.15	3/4	3,836.23	3/4	3,616.74	3/4	3,338.27	3/4	2,982.36	3/4	2,625.92	3/4	2,269.24
5		5		5	4,269.51	5	4,050.59	5	3,831.67	5	3,612.16	5	3,330.87	5	2,974.94	5	2,618.50	5	2,261.81
1/4		1/4		1/4	4,264.95	1/4	4,046.03	1/4	3,827.11	1/4	3,607.59	1/4	3,323.47	1/4	2,967.51	1/4	2,611.07	1/4	2,254.38
1/2		1/2		1/2	4,260.39	1/2	4,041.47	1/2	3,822.54	1/2	3,603.02	1/2	3,316.07	1/2	2,960.09	1/2	2,603.64	1/2	2,246.95
3/4		3/4		3/4	4,255.83	3/4	4,036.91	3/4	3,817.97	3/4	3,598.44	3/4	3,308.68	3/4	2,952.66	3/4	2,596.21	3/4	2,239.52
6		6		6	4,251.27	6	4,032.35	6	3,813.40	6	3,593.87	6	3,301.28	6	2,945.23	6	2,588.79	6	2,232.09
1/4		1/4		1/4	4,246.71	1/4	4,027.78	1/4	3,808.82	1/4	3,589.30	1/4	3,293.88	1/4	2,937.81	1/4	2,581.36	1/4	2,224.66
1/2		1/2		1/2	4,451.64	1/2	4,242.15	1/2	4,023.22	1/2	3,804.25	1/2	3,584.72	1/2	2,930.38	1/2	2,573.93	1/2	2,217.22
3/4		3/4		3/4	4,448.46	3/4	4,237.59	3/4	4,018.66	3/4	3,799.68	3/4	3,580.15	3/4	2,922.96	3/4	2,566.51	3/4	2,209.79
7		7		7	4,445.27	7	4,233.03	7	4,014.10	7	3,795.10	7	3,575.58	7	3,271.69	7	2,915.53	7	2,202.36
1/4		1/4		1/4	4,442.09	1/4	4,228.46	1/4	4,009.54	1/4	3,790.53	1/4	3,571.00	1/4	3,264.29	1/4	2,908.10	1/4	2,194.93
1/2		1/2		1/2	4,438.91	1/2	4,223.90	1/2	4,004.98	1/2	3,785.96	1/2	3,566.43	1/2	2,900.68	1/2	2,544.22	1/2	2,187.50
3/4		3/4		3/4	4,434.96	3/4	4,219.34	3/4	4,000.42	3/4	3,781.38	3/4	3,561.85	3/4	2,893.25	3/4	2,536.80	3/4	2,180.07
8		8		8	4,431.02	8	4,214.78	8	3,995.86	8	3,776.81	8	3,557.28	8	3,242.10	8	2,885.83	8	2,172.64
1/4		1/4		1/4	4,427.07	1/4	4,210.22	1/4	3,991.30	1/4	3,772.24	1/4	3,552.71	1/4	3,234.70	1/4	2,878.40	1/4	2,165.21
1/2		1/2		1/2	4,423.13	1/2	4,205.66	1/2	3,986.74	1/2	3,767.66	1/2	3,548.13	1/2	3,227.30	1/2	2,870.98	1/2	2,157.78
3/4		3/4		3/4	4,418.66	3/4	4,201.10	3/4	3,982.18	3/4	3,763.09	3/4	3,543.32	3/4	3,219.90	3/4	2,863.55	3/4	2,150.35
9		9		9	4,414.18	9	4,196.54	9	3,977.61	9	3,758.52	9	3,538.51	9	3,212.51	9	2,856.12	9	2,142.92
1/4		1/4		1/4	4,409.71	1/4	4,191.98	1/4	3,973.05	1/4	3,753.94	1/4	3,533.69	1/4	3,205.11	1/4	2,848.70	1/4	2,135.49
1/2		1/2		1/2	4,405.23	1/2	4,187.42	1/2	3,968.49	1/2	3,749.37	1/2	3,528.88	1/2	3,197.71	1/2	2,841.27	1/2	2,128.06
3/4		3/4		3/4	4,400.73	3/4	4,182.86	3/4	3,963.93	3/4	3,744.79	3/4	3,523.63	3/4	3,190.28	3/4	2,833.85	3/4	2,120.63
10		10		10	4,396.22	10	4,178.29	10	3,959.37	10	3,740.22	10	3,518.37	10	3,182.86	10	2,826.42	10	2,113.20
1/4		1/4		1/4	4,391.71	1/4	4,173.73	1/4	3,954.81	1/4	3,735.65	1/4	3,513.12	1/4	3,175.43	1/4	2,818.99	1/4	2,105.77
1/2		1/2		1/2	4,387.20	1/2	4,169.17	1/2	3,950.25	1/2	3,731.07	1/2	3,507.86	1/2	3,168.01	1/2	2,811.57	1/2	2,098.33
3/4		3/4		3/4	4,382.68	3/4	4,164.61	3/4	3,945.69	3/4	3,726.50	3/4	3,502.13	3/4	3,160.58	3/4	2,804.14	3/4	2,090.92
11		11		11	4,378.17	11	4,160.05	11	3,941.13	11	3,721.93	11	3,496.39	11	3,153.16	11	2,796.72	11	2,083.51
1/4		1/4		1/4	4,373.65	1/4	4,155.49	1/4	3,936.57	1/4	3,717.35	1/4	3,490.66	1/4	3,145.73	1/4	2,789.29	1/4	2,076.10
1/2		1/2		1/2	4,369.13	1/2	4,150.93	1/2	3,932.01	1/2	3,712.78	1/2	3,484.92	1/2	3,138.30	1/2	2,781.87	1/2	2,068.69
3/4		3/4		3/4	4,364.62	3/4	4,146.37	3/4	3,927.45	3/4	3,708.21	3/4	3,478.72	3/4	3,130.88	3/4	2,774.44	3/4	2,061.28

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 12'-09" OFF CENTERLINE AND 43'-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 109"

3 PORT ULLAGE TABLE HERMETIC GAUGE HEIGHT 15'-09 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	2,053.87	0	1,697.75	0	1,340.92	0	990.76	0	640.38	0	283.28	0		0		0		0	
1/4	2,046.46	1/4	1,690.31	1/4	1,333.48	1/4	983.62	1/4	632.94	1/4	275.83	1/4		1/4		1/4		1/4	
1/2	2,039.05	1/2	1,682.88	1/2	1,326.05	1/2	976.48	1/2	625.50	1/2	268.38	1/2		1/2		1/2		1/2	
3/4	2,031.63	3/4	1,675.45	3/4	1,318.61	3/4	969.33	3/4	618.06	3/4	260.93	3/4		3/4		3/4		3/4	
1	2,024.22	1	1,668.01	1	1,311.18	1	962.19	1	610.62	1	253.48	1		1		1		1	
1/4	2,016.80	1/4	1,660.58	1/4	1,303.75	1/4	955.05	1/4	603.18	1/4	246.03	1/4		1/4		1/4		1/4	
1/2	2,009.38	1/2	1,653.14	1/2	1,296.31	1/2	947.91	1/2	595.74	1/2	238.58	1/2		1/2		1/2		1/2	
3/4	2,001.96	3/4	1,645.71	3/4	1,288.88	3/4	940.76	3/4	588.30	3/4	231.13	3/4		3/4		3/4		3/4	
2	1,994.55	2	1,638.28	2	1,281.44	2	933.62	2	580.87	2	223.68	2		2		2		2	
1/4	1,987.13	1/4	1,630.84	1/4	1,274.01	1/4	926.48	1/4	573.43	1/4	216.23	1/4		1/4		1/4		1/4	
1/2	1,979.71	1/2	1,623.41	1/2	1,266.58	1/2	919.34	1/2	565.99	1/2	208.78	1/2		1/2		1/2		1/2	
3/4	1,972.29	3/4	1,615.97	3/4	1,259.14	3/4	912.19	3/4	558.55	3/4	201.33	3/4		3/4		3/4		3/4	
3	1,964.88	3	1,608.54	3	1,251.71	3	905.05	3	551.11	3	193.88	3		3		3		3	
1/4	1,957.46	1/4	1,601.11	1/4	1,244.27	1/4	897.91	1/4	543.67	1/4	186.43	1/4		1/4		1/4		1/4	
1/2	1,950.04	1/2	1,593.67	1/2	1,236.84	1/2	890.77	1/2	536.23	1/2	178.98	1/2		1/2		1/2		1/2	
3/4	1,942.62	3/4	1,586.24	3/4	1,229.41	3/4	883.62	3/4	528.79	3/4	171.53	3/4		3/4		3/4		3/4	
4	1,935.21	4	1,578.80	4	1,221.97	4	876.48	4	521.35	4	164.07	4		4		4		4	
1/4	1,927.79	1/4	1,571.37	1/4	1,214.54	1/4	869.34	1/4	513.91	1/4	156.62	1/4		1/4		1/4		1/4	
1/2	1,920.37	1/2	1,563.94	1/2	1,207.10	1/2	862.20	1/2	506.48	1/2	149.17	1/2		1/2		1/2		1/2	
3/4	1,912.95	3/4	1,556.50	3/4	1,199.67	3/4	855.03	3/4	499.04	3/4	141.72	3/4		3/4		3/4		3/4	
5	1,905.54	5	1,549.07	5	1,192.24	5	847.86	5	491.60	5	134.28	5		5		5		5	
1/4	1,898.12	1/4	1,541.63	1/4	1,184.80	1/4	840.70	1/4	484.16	1/4	126.83	1/4		1/4		1/4		1/4	
1/2	1,890.70	1/2	1,534.20	1/2	1,177.37	1/2	833.53	1/2	476.72	1/2	119.38	1/2		1/2		1/2		1/2	
3/4	1,883.28	3/4	1,526.77	3/4	1,170.14	3/4	826.16	3/4	469.28	3/4	111.94	3/4		3/4		3/4		3/4	
6	1,875.87	6	1,519.33	6	1,162.91	6	818.79	6	461.84	6	104.50	6		6		6		6	
1/4	1,868.45	1/4	1,511.90	1/4	1,155.69	1/4	811.41	1/4	454.40	1/4	97.06	1/4		1/4		1/4		1/4	
1/2	1,861.03	1/2	1,504.46	1/2	1,148.46	1/2	804.04	1/2	446.96	1/2	89.62	1/2		1/2		1/2		1/2	
3/4	1,853.61	3/4	1,497.03	3/4	1,141.25	3/4	796.60	3/4	439.52	3/4	82.20	3/4		3/4		3/4		3/4	
7	1,846.20	7	1,489.60	7	1,134.03	7	789.16	7	432.09	7	74.79	7		7		7		7	
1/4	1,838.78	1/4	1,482.16	1/4	1,126.82	1/4	781.72	1/4	424.65	1/4	67.37	1/4		1/4		1/4		1/4	
1/2	1,831.36	1/2	1,474.73	1/2	1,119.61	1/2	774.28	1/2	417.21	1/2	59.96	1/2		1/2		1/2		1/2	
3/4	1,823.94	3/4	1,467.29	3/4	1,112.39	3/4	766.84	3/4	409.77	3/4	53.44	3/4		3/4		3/4		3/4	
8	1,816.53	8	1,459.86	8	1,105.18	8	759.40	8	402.33	8	46.92	8		8		8		8	
1/4	1,809.11	1/4	1,452.43	1/4	1,097.97	1/4	751.96	1/4	394.89	1/4	40.41	1/4		1/4		1/4		1/4	
1/2	1,801.69	1/2	1,444.99	1/2	1,090.76	1/2	744.52	1/2	387.45	1/2	33.89	1/2		1/2		1/2		1/2	
3/4	1,794.27	3/4	1,437.56	3/4	1,083.61	3/4	737.08	3/4	380.01	3/4	29.23	3/4		3/4		3/4		3/4	
9	1,786.86	9	1,430.12	9	1,076.47	9	729.65	9	372.57	9	24.57	9		9		9		9	
1/4	1,779.44	1/4	1,422.69	1/4	1,069.33	1/4	722.21	1/4	365.13	1/4	19.92	1/4		1/4		1/4		1/4	
1/2	1,772.02	1/2	1,415.26	1/2	1,062.19	1/2	714.77	1/2	357.70	1/2	15.27	1/2		1/2		1/2		1/2	
3/4	1,764.60	3/4	1,407.82	3/4	1,055.04	3/4	707.33	3/4	350.26	3/4		3/4		3/4		3/4		3/4	
10	1,757.19	10	1,400.39	10	1,047.90	10	699.89	10	342.82	10		10		10		10		10	
1/4	1,749.77	1/4	1,392.95	1/4	1,040.76	1/4	692.45	1/4	335.38	1/4		1/4		1/4		1/4		1/4	
1/2	1,742.35	1/2	1,385.52	1/2	1,033.62	1/2	685.01	1/2	327.94	1/2		1/2		1/2		1/2		1/2	
3/4	1,734.92	3/4	1,378.09	3/4	1,026.47	3/4	677.57	3/4	320.50	3/4		3/4		3/4		3/4		3/4	
11	1,727.48	11	1,370.65	11	1,019.33	11	670.13	11	313.06	11		11		11		11		11	
1/4	1,720.05	1/4	1,363.22	1/4	1,012.19	1/4	662.69	1/4	305.62	1/4		1/4		1/4		1/4		1/4	
1/2	1,712.62	1/2	1,355.78	1/2	1,005.05	1/2	655.26	1/2	298.18	1/2		1/2		1/2		1/2		1/2	
3/4	1,705.18	3/4	1,348.35	3/4	997.90	3/4	647.82	3/4	290.73	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/28/2020 CL
CALCULATED: 10/29/2020 CL
PRINTED: 10/29/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "TMTB 109"

3 STBD ULLAGE TABLE

HERMETIC GAUGE HEIGHT 15'-09"

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	4,369.86	0	4,151.52	0	3,932.64	0	3,713.41	0	3,479.05	0	3,126.95	0	2,769.93	0	2,412.85
1/4		1/4		1/4	4,365.35	1/4	4,146.96	1/4	3,928.08	1/4	3,708.84	1/4	3,472.35	1/4	3,119.52	1/4	2,762.50	1/4	2,405.40
1/2		1/2		1/2	4,360.83	1/2	4,142.40	1/2	3,923.52	1/2	3,704.27	1/2	3,465.66	1/2	3,112.08	1/2	2,755.06	1/2	2,397.95
3/4		3/4		3/4	4,356.32	3/4	4,137.84	3/4	3,918.96	3/4	3,699.69	3/4	3,458.97	3/4	3,104.64	3/4	2,747.62	3/4	2,390.50
1		1		1	4,351.80	1	4,133.28	1	3,914.40	1	3,695.12	1	3,452.28	1	3,097.20	1	2,740.18	1	2,383.05
1/4		1/4		1/4	4,347.29	1/4	4,128.72	1/4	3,909.84	1/4	3,690.55	1/4	3,445.11	1/4	3,089.76	1/4	2,732.75	1/4	2,375.61
1/2		1/2		1/2	4,342.77	1/2	4,124.16	1/2	3,905.28	1/2	3,685.98	1/2	3,437.94	1/2	3,082.33	1/2	2,725.31	1/2	2,368.16
3/4		3/4		3/4	4,338.26	3/4	4,119.60	3/4	3,900.72	3/4	3,681.40	3/4	3,430.77	3/4	3,074.89	3/4	2,717.87	3/4	2,360.71
2		2		2	4,333.74	2	4,115.04	2	3,896.16	2	3,676.83	2	3,423.60	2	3,067.45	2	2,710.43	2	2,353.26
1/4		1/4		1/4	4,329.23	1/4	4,110.48	1/4	3,891.60	1/4	3,672.26	1/4	3,416.21	1/4	3,060.01	1/4	2,702.99	1/4	2,345.81
1/2		1/2		1/2	4,324.71	1/2	4,105.92	1/2	3,887.04	1/2	3,667.69	1/2	3,408.81	1/2	3,052.57	1/2	2,695.56	1/2	2,338.36
3/4		3/4		3/4	4,320.20	3/4	4,101.36	3/4	3,882.48	3/4	3,663.11	3/4	3,401.42	3/4	3,045.14	3/4	2,688.12	3/4	2,330.92
3		3		3	4,315.68	3	4,096.80	3	3,877.92	3	3,658.54	3	3,394.02	3	3,037.70	3	2,680.68	3	2,323.47
1/4		1/4		1/4	4,311.12	1/4	4,092.24	1/4	3,873.36	1/4	3,653.97	1/4	3,386.62	1/4	3,030.26	1/4	2,673.24	1/4	2,316.02
1/2		1/2		1/2	4,306.56	1/2	4,087.68	1/2	3,868.80	1/2	3,649.40	1/2	3,379.21	1/2	3,022.82	1/2	2,665.80	1/2	2,308.57
3/4		3/4		3/4	4,302.00	3/4	4,083.12	3/4	3,864.24	3/4	3,644.82	3/4	3,371.80	3/4	3,015.39	3/4	2,658.37	3/4	2,301.12
4		4		4	4,297.44	4	4,078.56	4	3,859.68	4	3,640.25	4	3,364.40	4	3,007.95	4	2,650.93	4	2,293.68
1/4		1/4		1/4	4,292.88	1/4	4,074.00	1/4	3,855.12	1/4	3,635.68	1/4	3,356.99	1/4	3,000.51	1/4	2,643.49	1/4	2,286.23
1/2		1/2		1/2	4,288.32	1/2	4,069.44	1/2	3,850.56	1/2	3,631.10	1/2	3,349.58	1/2	2,993.07	1/2	2,636.05	1/2	2,278.78
3/4		3/4		3/4	4,283.76	3/4	4,064.88	3/4	3,846.00	3/4	3,626.53	3/4	3,342.17	3/4	2,985.63	3/4	2,628.61	3/4	2,271.33
5		5		5	4,279.20	5	4,060.32	5	3,841.44	5	3,621.96	5	3,334.76	5	2,978.20	5	2,621.17	5	2,263.88
1/4		1/4		1/4	4,274.64	1/4	4,055.76	1/4	3,836.87	1/4	3,617.39	1/4	3,327.35	1/4	2,970.76	1/4	2,613.73	1/4	2,256.43
1/2		1/2		1/2	4,270.08	1/2	4,051.20	1/2	3,832.30	1/2	3,612.81	1/2	3,319.94	1/2	2,963.32	1/2	2,606.29	1/2	2,248.99
3/4		3/4		3/4	4,265.52	3/4	4,046.64	3/4	3,827.73	3/4	3,608.24	3/4	3,312.53	3/4	2,955.88	3/4	2,598.86	3/4	2,241.54
6		6	4,470.41	6	4,260.96	6	4,042.08	6	3,823.15	6	3,603.67	6	3,305.12	6	2,948.44	6	2,591.42	6	2,234.09
1/4		1/4	4,467.23	1/4	4,256.40	1/4	4,037.52	1/4	3,818.58	1/4	3,599.10	1/4	3,297.71	1/4	2,941.01	1/4	2,583.98	1/4	2,226.64
1/2		1/2	4,464.05	1/2	4,251.84	1/2	4,032.96	1/2	3,814.01	1/2	3,594.52	1/2	3,290.30	1/2	2,933.57	1/2	2,576.54	1/2	2,219.19
3/4		3/4	4,460.86	3/4	4,247.28	3/4	4,028.40	3/4	3,809.44	3/4	3,589.95	3/4	3,282.89	3/4	2,926.13	3/4	2,569.10	3/4	2,211.74
7		7	4,457.68	7	4,242.72	7	4,023.84	7	3,804.86	7	3,585.38	7	3,275.48	7	2,918.69	7	2,561.66	7	2,204.30
1/4		1/4	4,453.74	1/4	4,238.16	1/4	4,019.28	1/4	3,800.29	1/4	3,580.81	1/4	3,268.08	1/4	2,911.25	1/4	2,554.22	1/4	2,196.85
1/2		1/2	4,449.79	1/2	4,233.60	1/2	4,014.72	1/2	3,795.72	1/2	3,576.23	1/2	3,260.67	1/2	2,903.82	1/2	2,546.78	1/2	2,189.40
3/4		3/4	4,445.85	3/4	4,229.04	3/4	4,010.16	3/4	3,791.15	3/4	3,571.66	3/4	3,253.26	3/4	2,896.38	3/4	2,539.34	3/4	2,181.95
8		8	4,441.90	8	4,224.48	8	4,005.60	8	3,786.57	8	3,567.09	8	3,245.85	8	2,888.94	8	2,531.91	8	2,174.50
1/4		1/4	4,437.43	1/4	4,219.92	1/4	4,001.04	1/4	3,782.00	1/4	3,562.28	1/4	3,238.44	1/4	2,881.50	1/4	2,524.47	1/4	2,167.06
1/2		1/2	4,432.96	1/2	4,215.36	1/2	3,996.48	1/2	3,777.43	1/2	3,557.46	1/2	3,231.03	1/2	2,874.07	1/2	2,517.03	1/2	2,159.61
3/4		3/4	4,428.49	3/4	4,210.80	3/4	3,991.92	3/4	3,772.86	3/4	3,552.65	3/4	3,223.62	3/4	2,866.63	3/4	2,509.59	3/4	2,152.16
9		9	4,424.01	9	4,206.24	9	3,987.36	9	3,768.28	9	3,547.84	9	3,216.21	9	2,859.19	9	2,502.15	9	2,144.71
1/4		1/4	4,419.51	1/4	4,201.68	1/4	3,982.80	1/4	3,763.71	1/4	3,542.59	1/4	3,208.77	1/4	2,851.75	1/4	2,494.71	1/4	2,137.26
1/2		1/2	4,415.00	1/2	4,197.12	1/2	3,978.24	1/2	3,759.14	1/2	3,537.33	1/2	3,201.33	1/2	2,844.31	1/2	2,487.27	1/2	2,129.81
3/4		3/4	4,410.49	3/4	4,192.56	3/4	3,973.68	3/4	3,754.56	3/4	3,532.08	3/4	3,193.90	3/4	2,836.88	3/4	2,479.83	3/4	2,122.37
10		10	4,405.98	10	4,188.00	10	3,969.12	10	3,749.99	10	3,526.82	10	3,186.46	10	2,829.44	10	2,472.39	10	2,114.92
1/4		1/4	4,401.47	1/4	4,183.44	1/4	3,964.56	1/4	3,745.42	1/4	3,521.09	1/4	3,179.02	1/4	2,822.00	1/4	2,464.96	1/4	2,107.47
1/2		1/2	4,396.96	1/2	4,178.88	1/2	3,960.00	1/2	3,740.85	1/2	3,515.36	1/2	3,171.58	1/2	2,814.56	1/2	2,457.52	1/2	2,100.02
3/4		3/4	4,392.44	3/4	4,174.32	3/4	3,955.44	3/4	3,736.27	3/4	3,509.63	3/4	3,164.14	3/4	2,807.12	3/4	2,450.08	3/4	2,092.57
11		11	4,387.93	11	4,169.76	11	3,950.88	11	3,731.70	11	3,503.89	11	3,156.71	11	2,799.69	11	2,442.64	11	2,085.13
1/4		1/4	4,383.41	1/4	4,165.20	1/4	3,946.32	1/4	3,727.13	1/4	3,497.68	1/4	3,149.27	1/4	2,792.25	1/4	2,435.19	1/4	2,077.68
1/2		1/2	4,378.89	1/2	4,160.64	1/2	3,941.76	1/2	3,722.56	1/2	3,491.47	1/2	3,141.83	1/2	2,784.81	1/2	2,427.74	1/2	2,070.23
3/4		3/4	4,374.38	3/4	4,156.08	3/4	3,937.20	3/4	3,717.98	3/4	3,485.26	3/4	3,134.39	3/4	2,777.37	3/4	2,420.29	3/4	2,062.78

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-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 109"

3 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 15'-09"

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	2,055.33	0	1,697.82	0	1,340.31	0	983.07	0	625.80	0	268.29	0		0		0		0	
1/4	2,047.88	1/4	1,690.37	1/4	1,332.86	1/4	975.64	1/4	618.35	1/4	260.84	1/4		1/4		1/4		1/4	
1/2	2,040.44	1/2	1,682.92	1/2	1,325.41	1/2	968.20	1/2	610.90	1/2	253.40	1/2		1/2		1/2		1/2	
3/4	2,032.99	3/4	1,675.47	3/4	1,317.96	3/4	960.77	3/4	603.45	3/4	245.95	3/4		3/4		3/4		3/4	
1	2,025.54	1	1,668.03	1	1,310.51	1	953.34	1	596.00	1	238.50	1		1		1		1	
1/4	2,018.09	1/4	1,660.58	1/4	1,303.06	1/4	945.90	1/4	588.56	1/4	231.05	1/4		1/4		1/4		1/4	
1/2	2,010.64	1/2	1,653.13	1/2	1,295.62	1/2	938.47	1/2	581.11	1/2	223.60	1/2		1/2		1/2		1/2	
3/4	2,003.20	3/4	1,645.68	3/4	1,288.17	3/4	931.03	3/4	573.66	3/4	216.16	3/4		3/4		3/4		3/4	
2	1,995.75	2	1,638.23	2	1,280.72	2	923.60	2	566.21	2	208.71	2		2		2		2	
1/4	1,988.30	1/4	1,630.79	1/4	1,273.27	1/4	916.17	1/4	558.76	1/4	201.26	1/4		1/4		1/4		1/4	
1/2	1,980.85	1/2	1,623.34	1/2	1,265.82	1/2	908.73	1/2	551.32	1/2	193.81	1/2		1/2		1/2		1/2	
3/4	1,973.40	3/4	1,615.89	3/4	1,258.38	3/4	901.30	3/4	543.87	3/4	186.36	3/4		3/4		3/4		3/4	
3	1,965.95	3	1,608.44	3	1,250.93	3	893.87	3	536.42	3	178.92	3		3		3		3	
1/4	1,958.51	1/4	1,600.99	1/4	1,243.48	1/4	886.43	1/4	528.97	1/4	171.47	1/4		1/4		1/4		1/4	
1/2	1,951.06	1/2	1,593.54	1/2	1,236.03	1/2	879.00	1/2	521.52	1/2	164.02	1/2		1/2		1/2		1/2	
3/4	1,943.61	3/4	1,586.10	3/4	1,228.58	3/4	871.57	3/4	514.08	3/4	156.57	3/4		3/4		3/4		3/4	
4	1,936.16	4	1,578.65	4	1,221.13	4	864.13	4	506.63	4	149.12	4		4		4		4	
1/4	1,928.71	1/4	1,571.20	1/4	1,213.69	1/4	856.68	1/4	499.18	1/4	141.68	1/4		1/4		1/4		1/4	
1/2	1,921.27	1/2	1,563.75	1/2	1,206.24	1/2	849.24	1/2	491.73	1/2	134.23	1/2		1/2		1/2		1/2	
3/4	1,913.82	3/4	1,556.30	3/4	1,198.79	3/4	841.79	3/4	484.28	3/4	126.78	3/4		3/4		3/4		3/4	
5	1,906.37	5	1,548.86	5	1,191.34	5	834.34	5	476.84	5	119.34	5		5		5		5	
1/4	1,898.92	1/4	1,541.41	1/4	1,183.89	1/4	826.89	1/4	469.39	1/4	111.90	1/4		1/4		1/4		1/4	
1/2	1,891.47	1/2	1,533.96	1/2	1,176.45	1/2	819.44	1/2	461.94	1/2	104.46	1/2		1/2		1/2		1/2	
3/4	1,884.02	3/4	1,526.51	3/4	1,169.00	3/4	812.00	3/4	454.49	3/4	97.03	3/4		3/4		3/4		3/4	
6	1,876.58	6	1,519.06	6	1,161.55	6	804.55	6	447.04	6	89.59	6		6		6		6	
1/4	1,869.13	1/4	1,511.61	1/4	1,154.11	1/4	797.10	1/4	439.60	1/4	82.18	1/4		1/4		1/4		1/4	
1/2	1,861.68	1/2	1,504.17	1/2	1,146.66	1/2	789.65	1/2	432.15	1/2	74.76	1/2		1/2		1/2		1/2	
3/4	1,854.23	3/4	1,496.72	3/4	1,139.22	3/4	782.20	3/4	424.70	3/4	67.35	3/4		3/4		3/4		3/4	
7	1,846.78	7	1,489.27	7	1,131.78	7	774.76	7	417.25	7	59.94	7		7		7		7	
1/4	1,839.34	1/4	1,481.82	1/4	1,124.34	1/4	767.31	1/4	409.80	1/4	53.43	1/4		1/4		1/4		1/4	
1/2	1,831.89	1/2	1,474.37	1/2	1,116.89	1/2	759.86	1/2	402.36	1/2	46.91	1/2		1/2		1/2		1/2	
3/4	1,824.44	3/4	1,466.93	3/4	1,109.45	3/4	752.41	3/4	394.91	3/4	40.39	3/4		3/4		3/4		3/4	
8	1,816.99	8	1,459.48	8	1,102.01	8	744.96	8	387.46	8	33.88	8		8		8		8	
1/4	1,809.54	1/4	1,452.03	1/4	1,094.57	1/4	737.52	1/4	380.01	1/4	29.22	1/4		1/4		1/4		1/4	
1/2	1,802.09	1/2	1,444.58	1/2	1,087.14	1/2	730.07	1/2	372.56	1/2	24.57	1/2		1/2		1/2		1/2	
3/4	1,794.65	3/4	1,437.13	3/4	1,079.71	3/4	722.62	3/4	365.12	3/4	19.91	3/4		3/4		3/4		3/4	
9	1,787.20	9	1,429.68	9	1,072.27	9	715.17	9	357.67	9	15.26	9		9		9		9	
1/4	1,779.75	1/4	1,422.24	1/4	1,064.84	1/4	707.72	1/4	350.22	1/4		1/4		1/4		1/4		1/4	
1/2	1,772.30	1/2	1,414.79	1/2	1,057.41	1/2	700.28	1/2	342.77	1/2		1/2		1/2		1/2		1/2	
3/4	1,764.85	3/4	1,407.34	3/4	1,049.97	3/4	692.83	3/4	335.32	3/4		3/4		3/4		3/4		3/4	
10	1,757.40	10	1,399.89	10	1,042.54	10	685.38	10	327.88	10		10		10		10		10	
1/4	1,749.96	1/4	1,392.44	1/4	1,035.10	1/4	677.93	1/4	320.43	1/4		1/4		1/4		1/4		1/4	
1/2	1,742.51	1/2	1,384.99	1/2	1,027.67	1/2	670.48	1/2	312.98	1/2		1/2		1/2		1/2		1/2	
3/4	1,735.06	3/4	1,377.55	3/4	1,020.24	3/4	663.04	3/4	305.53	3/4		3/4		3/4		3/4		3/4	
11	1,727.61	11	1,370.10	11	1,012.80	11	655.59	11	298.08	11		11		11		11		11	
1/4	1,720.16	1/4	1,362.65	1/4	1,005.37	1/4	648.14	1/4	290.64	1/4		1/4		1/4		1/4		1/4	
1/2	1,712.72	1/2	1,355.20	1/2	997.94	1/2	640.69	1/2	283.19	1/2		1/2		1/2		1/2		1/2	
3/4	1,705.27	3/4	1,347.75	3/4	990.50	3/4	633.24	3/4	275.74	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/28/2020 CL
CALCULATED: 10/29/2020 CL
PRINTED: 10/29/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

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