



# BARGE "TMTB 103"

ULLAGE (HERMETIC)

|        | 1 FT.      |              | 2 FT.      |              | 3 FT.      |              | 4 FT.      |              | 5 FT.      |              | 6 FT.      |              |
|--------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|
|        | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> |
| 1 PORT | 00-1/4     | - 00-1/4     | 00-1/2     | - 00-1/2     | 00-3/4     | - 00-3/4     | 00-7/8     | - 00-7/8     | 01-1/8     | - 01-1/8     | 01-3/8     | - 01-3/8     |
| 1 STBD | 00-1/4     | - 00-1/4     | 00-1/2     | - 00-1/2     | 00-3/4     | - 00-3/4     | 00-7/8     | - 00-7/8     | 01-1/8     | - 01-1/8     | 01-3/8     | - 01-3/8     |
| 2 PORT | 00-1/4     | - 00-1/4     | 00-3/8     | - 00-3/8     | 00-5/8     | - 00-5/8     | 00-3/4     | - 00-3/4     | 01-0/8     | - 01-0/8     | 01-1/4     | - 01-1/4     |
| 2 STBD | 00-1/4     | - 00-1/4     | 00-3/8     | - 00-3/8     | 00-5/8     | - 00-5/8     | 00-7/8     | - 00-7/8     | 01-0/8     | - 01-0/8     | 01-1/4     | - 01-1/4     |
| 3 PORT | 00-1/8     | - 00-1/8     | 00-1/4     | - 00-1/4     | 00-1/4     | - 00-1/4     | 00-3/8     | - 00-3/8     | 00-1/2     | - 00-1/2     | 00-5/8     | - 00-5/8     |
| 3 STBD | 00-1/8     | - 00-1/8     | 00-1/4     | - 00-1/4     | 00-1/4     | - 00-1/4     | 00-3/8     | - 00-3/8     | 00-1/2     | - 00-1/2     | 00-5/8     | - 00-5/8     |

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 4'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 01-0/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11"

LENGTH BETWEEN DRAFT MARKS: 236'-00"

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PRECISION MEASUREMENT  
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# BARGE "TMTB 103"

## 1 PORT ULLAGE TABLE

### HERMETIC GAUGE HEIGHT 15'-06 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

| IN  | 0 FT. | IN  | 1 FT.    | IN  | 2 FT.    | IN  | 3 FT.    | IN  | 4 FT.    | IN  | 5 FT.    | IN  | 6 FT.    | IN  | 7 FT.    | IN  | 8 FT.    | IN  | 9 FT.    |
|-----|-------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| 0   |       | 0   |          | 0   | 4,306.33 | 0   | 3,997.48 | 0   | 3,672.17 | 0   | 3,340.61 | 0   | 3,009.06 | 0   | 2,677.50 | 0   | 2,345.95 | 0   | 2,014.39 |
| 1/4 |       | 1/4 |          | 1/4 | 4,300.07 | 1/4 | 3,990.86 | 1/4 | 3,665.26 | 1/4 | 3,333.70 | 1/4 | 3,002.15 | 1/4 | 2,670.59 | 1/4 | 2,339.04 | 1/4 | 2,007.48 |
| 1/2 |       | 1/2 | 4,593.12 | 1/2 | 4,293.80 | 1/2 | 3,984.23 | 1/2 | 3,658.35 | 1/2 | 3,326.80 | 1/2 | 2,995.24 | 1/2 | 2,663.69 | 1/2 | 2,332.13 | 1/2 | 2,000.57 |
| 3/4 |       | 3/4 | 4,587.73 | 3/4 | 4,287.51 | 3/4 | 3,977.59 | 3/4 | 3,651.44 | 3/4 | 3,319.89 | 3/4 | 2,988.33 | 3/4 | 2,656.78 | 3/4 | 2,325.22 | 3/4 | 1,993.66 |
| 1   |       | 1   | 4,582.34 | 1   | 4,281.21 | 1   | 3,970.94 | 1   | 3,644.54 | 1   | 3,312.98 | 1   | 2,981.43 | 1   | 2,649.87 | 1   | 2,318.32 | 1   | 1,986.75 |
| 1/4 |       | 1/4 | 4,576.94 | 1/4 | 4,274.92 | 1/4 | 3,964.29 | 1/4 | 3,637.63 | 1/4 | 3,306.07 | 1/4 | 2,974.52 | 1/4 | 2,642.96 | 1/4 | 2,311.41 | 1/4 | 1,979.84 |
| 1/2 |       | 1/2 | 4,571.55 | 1/2 | 4,268.63 | 1/2 | 3,957.64 | 1/2 | 3,630.72 | 1/2 | 3,299.17 | 1/2 | 2,967.61 | 1/2 | 2,636.06 | 1/2 | 2,304.50 | 1/2 | 1,972.93 |
| 3/4 |       | 3/4 | 4,565.12 | 3/4 | 4,262.31 | 3/4 | 3,950.97 | 3/4 | 3,623.81 | 3/4 | 3,292.26 | 3/4 | 2,960.70 | 3/4 | 2,629.15 | 3/4 | 2,297.59 | 3/4 | 1,966.02 |
| 2   |       | 2   | 4,558.70 | 2   | 4,255.99 | 2   | 3,944.29 | 2   | 3,616.91 | 2   | 3,285.35 | 2   | 2,953.80 | 2   | 2,622.24 | 2   | 2,290.69 | 2   | 1,959.11 |
| 1/4 |       | 1/4 | 4,552.27 | 1/4 | 4,249.67 | 1/4 | 3,937.62 | 1/4 | 3,610.00 | 1/4 | 3,278.44 | 1/4 | 2,946.89 | 1/4 | 2,615.33 | 1/4 | 2,283.78 | 1/4 | 1,952.20 |
| 1/2 |       | 1/2 | 4,545.84 | 1/2 | 4,243.35 | 1/2 | 3,930.94 | 1/2 | 3,603.09 | 1/2 | 3,271.54 | 1/2 | 2,939.98 | 1/2 | 2,608.43 | 1/2 | 2,276.87 | 1/2 | 1,945.29 |
| 3/4 |       | 3/4 | 4,539.07 | 3/4 | 4,237.00 | 3/4 | 3,924.24 | 3/4 | 3,596.18 | 3/4 | 3,264.63 | 3/4 | 2,933.07 | 3/4 | 2,601.52 | 3/4 | 2,269.96 | 3/4 | 1,938.38 |
| 3   |       | 3   | 4,532.30 | 3   | 4,230.66 | 3   | 3,917.54 | 3   | 3,589.28 | 3   | 3,257.72 | 3   | 2,926.17 | 3   | 2,594.61 | 3   | 2,262.06 | 3   | 1,931.47 |
| 1/4 |       | 1/4 | 4,525.53 | 1/4 | 4,224.31 | 1/4 | 3,910.84 | 1/4 | 3,582.37 | 1/4 | 3,250.81 | 1/4 | 2,919.26 | 1/4 | 2,587.70 | 1/4 | 2,256.15 | 1/4 | 1,924.56 |
| 1/2 |       | 1/2 | 4,518.75 | 1/2 | 4,217.97 | 1/2 | 3,904.14 | 1/2 | 3,575.46 | 1/2 | 3,243.91 | 1/2 | 2,912.35 | 1/2 | 2,580.80 | 1/2 | 2,249.24 | 1/2 | 1,917.65 |
| 3/4 |       | 3/4 | 4,511.98 | 3/4 | 4,211.59 | 3/4 | 3,897.41 | 3/4 | 3,568.55 | 3/4 | 3,237.00 | 3/4 | 2,905.44 | 3/4 | 2,573.89 | 3/4 | 2,242.33 | 3/4 | 1,910.74 |
| 4   |       | 4   | 4,505.21 | 4   | 4,205.22 | 4   | 3,890.69 | 4   | 3,561.65 | 4   | 3,230.09 | 4   | 2,898.54 | 4   | 2,566.98 | 4   | 2,235.43 | 4   | 1,903.83 |
| 1/4 |       | 1/4 | 4,498.44 | 1/4 | 4,198.85 | 1/4 | 3,883.96 | 1/4 | 3,554.74 | 1/4 | 3,223.18 | 1/4 | 2,891.63 | 1/4 | 2,560.07 | 1/4 | 2,228.52 | 1/4 | 1,896.92 |
| 1/2 |       | 1/2 | 4,491.67 | 1/2 | 4,192.48 | 1/2 | 3,877.23 | 1/2 | 3,547.83 | 1/2 | 3,216.28 | 1/2 | 2,884.72 | 1/2 | 2,553.17 | 1/2 | 2,221.61 | 1/2 | 1,890.01 |
| 3/4 |       | 3/4 | 4,485.28 | 3/4 | 4,186.08 | 3/4 | 3,870.48 | 3/4 | 3,540.93 | 3/4 | 3,209.37 | 3/4 | 2,877.81 | 3/4 | 2,546.26 | 3/4 | 2,214.70 | 3/4 | 1,883.10 |
| 5   |       | 5   | 4,478.89 | 5   | 4,179.68 | 5   | 3,863.73 | 5   | 3,534.02 | 5   | 3,202.46 | 5   | 2,870.91 | 5   | 2,539.35 | 5   | 2,207.80 | 5   | 1,876.19 |
| 1/4 |       | 1/4 | 4,472.51 | 1/4 | 4,173.28 | 1/4 | 3,856.97 | 1/4 | 3,527.11 | 1/4 | 3,195.56 | 1/4 | 2,864.00 | 1/4 | 2,532.44 | 1/4 | 2,200.89 | 1/4 | 1,869.28 |
| 1/2 |       | 1/2 | 4,466.12 | 1/2 | 4,166.89 | 1/2 | 3,850.22 | 1/2 | 3,520.20 | 1/2 | 3,188.65 | 1/2 | 2,857.09 | 1/2 | 2,525.54 | 1/2 | 2,193.98 | 1/2 | 1,862.37 |
| 3/4 |       | 3/4 | 4,460.11 | 3/4 | 4,160.46 | 3/4 | 3,843.44 | 3/4 | 3,513.30 | 3/4 | 3,181.74 | 3/4 | 2,850.19 | 3/4 | 2,518.63 | 3/4 | 2,187.07 | 3/4 | 1,855.46 |
| 6   |       | 6   | 4,454.09 | 6   | 4,154.04 | 6   | 3,836.66 | 6   | 3,506.39 | 6   | 3,174.83 | 6   | 2,843.28 | 6   | 2,511.72 | 6   | 2,180.17 | 6   | 1,848.55 |
| 1/4 |       | 1/4 | 4,448.08 | 1/4 | 4,147.61 | 1/4 | 3,829.88 | 1/4 | 3,499.48 | 1/4 | 3,167.93 | 1/4 | 2,836.37 | 1/4 | 2,504.82 | 1/4 | 2,173.26 | 1/4 | 1,841.65 |
| 1/2 |       | 1/2 | 4,442.06 | 1/2 | 4,141.19 | 1/2 | 3,823.10 | 1/2 | 3,492.57 | 1/2 | 3,161.02 | 1/2 | 2,829.46 | 1/2 | 2,497.91 | 1/2 | 2,166.35 | 1/2 | 1,834.74 |
| 3/4 |       | 3/4 | 4,436.02 | 3/4 | 4,134.74 | 3/4 | 3,816.30 | 3/4 | 3,485.67 | 3/4 | 3,154.11 | 3/4 | 2,822.56 | 3/4 | 2,491.00 | 3/4 | 2,159.45 | 3/4 | 1,827.83 |
| 7   |       | 7   | 4,429.98 | 7   | 4,128.29 | 7   | 3,809.49 | 7   | 3,478.76 | 7   | 3,147.20 | 7   | 2,815.65 | 7   | 2,484.09 | 7   | 2,152.54 | 7   | 1,820.92 |
| 1/4 |       | 1/4 | 4,423.94 | 1/4 | 4,121.83 | 1/4 | 3,802.69 | 1/4 | 3,471.85 | 1/4 | 3,140.30 | 1/4 | 2,808.74 | 1/4 | 2,477.19 | 1/4 | 2,145.63 | 1/4 | 1,814.01 |
| 1/2 |       | 1/2 | 4,417.90 | 1/2 | 4,115.38 | 1/2 | 3,795.88 | 1/2 | 3,464.94 | 1/2 | 3,133.39 | 1/2 | 2,801.83 | 1/2 | 2,470.28 | 1/2 | 2,138.72 | 1/2 | 1,807.10 |
| 3/4 |       | 3/4 | 4,411.79 | 3/4 | 4,108.91 | 3/4 | 3,789.05 | 3/4 | 3,458.04 | 3/4 | 3,126.48 | 3/4 | 2,794.93 | 3/4 | 2,463.37 | 3/4 | 2,131.82 | 3/4 | 1,800.19 |
| 8   |       | 8   | 4,405.67 | 8   | 4,102.43 | 8   | 3,782.22 | 8   | 3,451.13 | 8   | 3,119.57 | 8   | 2,788.02 | 8   | 2,456.46 | 8   | 2,124.91 | 8   | 1,793.28 |
| 1/4 |       | 1/4 | 4,399.56 | 1/4 | 4,095.95 | 1/4 | 3,775.38 | 1/4 | 3,444.22 | 1/4 | 3,112.67 | 1/4 | 2,781.11 | 1/4 | 2,449.56 | 1/4 | 2,118.00 | 1/4 | 1,786.37 |
| 1/2 |       | 1/2 | 4,393.44 | 1/2 | 4,089.48 | 1/2 | 3,768.55 | 1/2 | 3,437.31 | 1/2 | 3,105.76 | 1/2 | 2,774.20 | 1/2 | 2,442.65 | 1/2 | 2,111.09 | 1/2 | 1,779.46 |
| 3/4 |       | 3/4 | 4,387.26 | 3/4 | 4,082.95 | 3/4 | 3,761.69 | 3/4 | 3,430.41 | 3/4 | 3,098.85 | 3/4 | 2,767.30 | 3/4 | 2,435.74 | 3/4 | 2,104.19 | 3/4 | 1,772.55 |
| 9   |       | 9   | 4,381.07 | 9   | 4,076.43 | 9   | 3,754.84 | 9   | 3,423.50 | 9   | 3,091.94 | 9   | 2,760.39 | 9   | 2,428.83 | 9   | 2,097.28 | 9   | 1,765.64 |
| 1/4 |       | 1/4 | 4,374.88 | 1/4 | 4,069.91 | 1/4 | 3,747.98 | 1/4 | 3,416.59 | 1/4 | 3,085.04 | 1/4 | 2,753.48 | 1/4 | 2,421.93 | 1/4 | 2,090.37 | 1/4 | 1,758.73 |
| 1/2 |       | 1/2 | 4,368.69 | 1/2 | 4,063.38 | 1/2 | 3,741.12 | 1/2 | 3,409.68 | 1/2 | 3,078.13 | 1/2 | 2,746.57 | 1/2 | 2,415.02 | 1/2 | 2,083.46 | 1/2 | 1,751.82 |
| 3/4 |       | 3/4 | 4,362.48 | 3/4 | 4,056.81 | 3/4 | 3,734.24 | 3/4 | 3,402.78 | 3/4 | 3,071.22 | 3/4 | 2,739.67 | 3/4 | 2,408.11 | 3/4 | 2,076.56 | 3/4 | 1,744.91 |
| 10  |       | 10  | 4,356.26 | 10  | 4,050.24 | 10  | 3,727.35 | 10  | 3,395.87 | 10  | 3,064.31 | 10  | 2,732.76 | 10  | 2,401.20 | 10  | 2,069.65 | 10  | 1,738.00 |
| 1/4 |       | 1/4 | 4,350.05 | 1/4 | 4,043.67 | 1/4 | 3,720.47 | 1/4 | 3,388.96 | 1/4 | 3,057.41 | 1/4 | 2,725.85 | 1/4 | 2,394.30 | 1/4 | 2,062.74 | 1/4 | 1,731.09 |
| 1/2 |       | 1/2 | 4,343.83 | 1/2 | 4,037.11 | 1/2 | 3,713.58 | 1/2 | 3,382.06 | 1/2 | 3,050.50 | 1/2 | 2,718.94 | 1/2 | 2,387.39 | 1/2 | 2,055.83 | 1/2 | 1,724.18 |
| 3/4 |       | 3/4 | 4,337.59 | 3/4 | 4,030.51 | 3/4 | 3,706.68 | 3/4 | 3,375.15 | 3/4 | 3,043.59 | 3/4 | 2,712.04 | 3/4 | 2,380.48 | 3/4 | 2,048.93 | 3/4 | 1,717.27 |
| 11  |       | 11  | 4,331.35 | 11  | 4,023.91 | 11  | 3,699.78 | 11  | 3,368.24 | 11  | 3,036.69 | 11  | 2,705.13 | 11  | 2,373.57 | 11  | 2,042.02 | 11  | 1,710.36 |
| 1/4 |       | 1/4 | 4,325.11 | 1/4 | 4,017.32 | 1/4 | 3,692.88 | 1/4 | 3,361.33 | 1/4 | 3,029.78 | 1/4 | 2,698.22 | 1/4 | 2,366.67 | 1/4 | 2,035.11 | 1/4 | 1,703.45 |
| 1/2 |       | 1/2 | 4,318.87 | 1/2 | 4,010.72 | 1/2 | 3,685.98 | 1/2 | 3,354.43 | 1/2 | 3,022.87 | 1/2 | 2,691.32 | 1/2 | 2,359.76 | 1/2 | 2,028.21 | 1/2 | 1,696.54 |
| 3/4 |       | 3/4 | 4,312.60 | 3/4 | 4,004.10 | 3/4 | 3,679.07 | 3/4 | 3,347.52 | 3/4 | 3,015.96 | 3/4 | 2,684.41 | 3/4 | 2,352.85 | 3/4 | 2,021.30 | 3/4 | 1,689.63 |

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

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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# BARGE "TMTB 103"

## 1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06 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   | 1,682.72 | 0   | 1,351.06 | 0   | 1,019.93 | 0   | 703.87 | 0   | 410.57 | 0   | 138.59 | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 1,675.81 | 1/4 | 1,344.15 | 1/4 | 1,013.11 | 1/4 | 697.52 | 1/4 | 404.68 | 1/4 | 133.16 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,668.90 | 1/2 | 1,337.24 | 1/2 | 1,006.30 | 1/2 | 691.16 | 1/2 | 398.78 | 1/2 | 127.72 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,661.99 | 3/4 | 1,330.33 | 3/4 | 999.52   | 3/4 | 684.84 | 3/4 | 392.92 | 3/4 | 122.32 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 1,655.08 | 1   | 1,323.42 | 1   | 992.75   | 1   | 678.53 | 1   | 387.07 | 1   | 116.92 | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 1,648.17 | 1/4 | 1,316.51 | 1/4 | 985.97   | 1/4 | 672.21 | 1/4 | 381.21 | 1/4 | 111.52 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,641.26 | 1/2 | 1,309.60 | 1/2 | 979.20   | 1/2 | 665.89 | 1/2 | 375.35 | 1/2 | 106.13 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,634.35 | 3/4 | 1,302.69 | 3/4 | 972.46   | 3/4 | 659.61 | 3/4 | 369.53 | 3/4 | 100.76 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 1,627.44 | 2   | 1,295.78 | 2   | 965.72   | 2   | 653.34 | 2   | 363.71 | 2   | 95.40  | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 1,620.53 | 1/4 | 1,288.87 | 1/4 | 958.98   | 1/4 | 647.06 | 1/4 | 357.89 | 1/4 | 90.04  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,613.63 | 1/2 | 1,281.96 | 1/2 | 952.25   | 1/2 | 640.78 | 1/2 | 352.07 | 1/2 | 84.68  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,606.72 | 3/4 | 1,275.05 | 3/4 | 945.55   | 3/4 | 634.55 | 3/4 | 346.29 | 3/4 | 79.36  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 1,599.81 | 3   | 1,268.14 | 3   | 938.85   | 3   | 628.32 | 3   | 340.51 | 3   | 74.04  | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 1,592.90 | 1/4 | 1,261.23 | 1/4 | 932.15   | 1/4 | 622.09 | 1/4 | 334.73 | 1/4 | 68.72  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,585.99 | 1/2 | 1,254.32 | 1/2 | 925.45   | 1/2 | 615.86 | 1/2 | 328.95 | 1/2 | 63.40  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,579.08 | 3/4 | 1,247.41 | 3/4 | 918.79   | 3/4 | 609.68 | 3/4 | 323.21 | 3/4 | 58.11  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 1,572.17 | 4   | 1,240.50 | 4   | 912.13   | 4   | 603.50 | 4   | 317.47 | 4   | 52.83  | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 1,565.26 | 1/4 | 1,233.59 | 1/4 | 905.47   | 1/4 | 597.33 | 1/4 | 311.72 | 1/4 | 47.54  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,558.35 | 1/2 | 1,226.68 | 1/2 | 898.80   | 1/2 | 591.15 | 1/2 | 305.98 | 1/2 | 42.26  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,551.44 | 3/4 | 1,219.77 | 3/4 | 892.18   | 3/4 | 585.01 | 3/4 | 300.28 | 3/4 | 37.59  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 1,544.53 | 5   | 1,212.86 | 5   | 885.56   | 5   | 578.86 | 5   | 294.57 | 5   | 32.92  | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 1,537.62 | 1/4 | 1,205.95 | 1/4 | 878.94   | 1/4 | 572.72 | 1/4 | 288.87 | 1/4 | 28.25  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,530.71 | 1/2 | 1,199.04 | 1/2 | 872.31   | 1/2 | 566.58 | 1/2 | 283.16 | 1/2 | 23.58  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,523.80 | 3/4 | 1,192.13 | 3/4 | 865.73   | 3/4 | 560.48 | 3/4 | 277.50 | 3/4 | 20.24  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 1,516.89 | 6   | 1,185.22 | 6   | 859.14   | 6   | 554.38 | 6   | 271.83 | 6   | 16.90  | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 1,509.98 | 1/4 | 1,178.31 | 1/4 | 852.56   | 1/4 | 548.27 | 1/4 | 266.16 | 1/4 | 13.56  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,503.07 | 1/2 | 1,171.40 | 1/2 | 845.98   | 1/2 | 542.17 | 1/2 | 260.50 | 1/2 | 10.23  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,496.16 | 3/4 | 1,164.49 | 3/4 | 839.43   | 3/4 | 536.11 | 3/4 | 254.87 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 1,489.25 | 7   | 1,157.58 | 7   | 832.88   | 7   | 530.04 | 7   | 249.24 | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 1,482.34 | 1/4 | 1,150.68 | 1/4 | 826.34   | 1/4 | 523.98 | 1/4 | 243.61 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,475.43 | 1/2 | 1,143.77 | 1/2 | 819.79   | 1/2 | 517.91 | 1/2 | 237.98 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,468.52 | 3/4 | 1,136.86 | 3/4 | 813.28   | 3/4 | 511.89 | 3/4 | 232.39 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 1,461.61 | 8   | 1,129.95 | 8   | 806.77   | 8   | 505.86 | 8   | 226.81 | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 1,454.70 | 1/4 | 1,123.04 | 1/4 | 800.27   | 1/4 | 499.83 | 1/4 | 221.22 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,447.79 | 1/2 | 1,116.13 | 1/2 | 793.76   | 1/2 | 493.81 | 1/2 | 215.63 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,440.88 | 3/4 | 1,109.22 | 3/4 | 787.29   | 3/4 | 487.82 | 3/4 | 210.07 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 1,433.97 | 9   | 1,102.32 | 9   | 780.82   | 9   | 481.83 | 9   | 204.52 | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 1,427.06 | 1/4 | 1,095.41 | 1/4 | 774.35   | 1/4 | 475.84 | 1/4 | 198.97 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,420.15 | 1/2 | 1,088.51 | 1/2 | 767.88   | 1/2 | 469.86 | 1/2 | 193.42 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,413.24 | 3/4 | 1,081.62 | 3/4 | 761.45   | 3/4 | 463.91 | 3/4 | 187.91 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 1,406.33 | 10  | 1,074.74 | 10  | 755.02   | 10  | 457.96 | 10  | 182.39 | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 1,399.42 | 1/4 | 1,067.85 | 1/4 | 748.58   | 1/4 | 452.01 | 1/4 | 176.88 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,392.51 | 1/2 | 1,060.96 | 1/2 | 742.15   | 1/2 | 446.06 | 1/2 | 171.37 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,385.60 | 3/4 | 1,054.11 | 3/4 | 735.76   | 3/4 | 440.13 | 3/4 | 165.89 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 1,378.70 | 11  | 1,047.26 | 11  | 729.37   | 11  | 434.21 | 11  | 160.42 | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 1,371.79 | 1/4 | 1,040.41 | 1/4 | 722.97   | 1/4 | 428.29 | 1/4 | 154.94 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,364.88 | 1/2 | 1,033.55 | 1/2 | 716.58   | 1/2 | 422.37 | 1/2 | 149.47 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,357.97 | 3/4 | 1,026.74 | 3/4 | 710.23   | 3/4 | 416.47 | 3/4 | 144.03 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/02/2020 CL  
CALCULATED: 11/02/2020 CL  
PRINTED: 11/02/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2020

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "TMTB 103"

## 1 STBD ULLAGE TABLE

### HERMETIC GAUGE HEIGHT 15'-06 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

| IN  | 0 FT. | IN  | 1 FT.    | IN  | 2 FT.    | IN  | 3 FT.    | IN  | 4 FT.    | IN  | 5 FT.    | IN  | 6 FT.    | IN  | 7 FT.    | IN  | 8 FT.    | IN  | 9 FT.    |
|-----|-------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| 0   |       | 0   |          | 0   | 4,293.09 | 0   | 3,984.29 | 0   | 3,659.13 | 0   | 3,328.04 | 0   | 2,996.94 | 0   | 2,665.85 | 0   | 2,334.75 | 0   | 2,003.65 |
| 1/4 |       | 1/4 | 4,585.77 | 1/4 | 4,286.83 | 1/4 | 3,977.68 | 1/4 | 3,652.23 | 1/4 | 3,321.14 | 1/4 | 2,990.04 | 1/4 | 2,658.95 | 1/4 | 2,327.85 | 1/4 | 1,996.75 |
| 1/2 |       | 1/2 | 4,580.38 | 1/2 | 4,280.55 | 1/2 | 3,971.04 | 1/2 | 3,645.33 | 1/2 | 3,314.24 | 1/2 | 2,983.15 | 1/2 | 2,652.05 | 1/2 | 2,320.96 | 1/2 | 1,989.85 |
| 3/4 |       | 3/4 | 4,575.00 | 3/4 | 4,274.26 | 3/4 | 3,964.40 | 3/4 | 3,638.44 | 3/4 | 3,307.34 | 3/4 | 2,976.25 | 3/4 | 2,645.15 | 3/4 | 2,314.06 | 3/4 | 1,982.95 |
| 1   |       | 1   | 4,569.61 | 1   | 4,267.98 | 1   | 3,957.76 | 1   | 3,631.54 | 1   | 3,300.44 | 1   | 2,969.35 | 1   | 2,638.26 | 1   | 2,307.16 | 1   | 1,976.05 |
| 1/4 |       | 1/4 | 4,564.23 | 1/4 | 4,261.69 | 1/4 | 3,951.12 | 1/4 | 3,624.64 | 1/4 | 3,293.55 | 1/4 | 2,962.45 | 1/4 | 2,631.36 | 1/4 | 2,300.26 | 1/4 | 1,969.15 |
| 1/2 |       | 1/2 | 4,557.81 | 1/2 | 4,255.38 | 1/2 | 3,944.45 | 1/2 | 3,617.74 | 1/2 | 3,286.65 | 1/2 | 2,955.55 | 1/2 | 2,624.46 | 1/2 | 2,293.37 | 1/2 | 1,962.25 |
| 3/4 |       | 3/4 | 4,551.39 | 3/4 | 4,249.07 | 3/4 | 3,937.79 | 3/4 | 3,610.85 | 3/4 | 3,279.75 | 3/4 | 2,948.66 | 3/4 | 2,617.56 | 3/4 | 2,286.47 | 3/4 | 1,955.35 |
| 2   |       | 2   | 4,544.97 | 2   | 4,242.76 | 2   | 3,931.12 | 2   | 3,603.95 | 2   | 3,272.85 | 2   | 2,941.76 | 2   | 2,610.66 | 2   | 2,279.57 | 2   | 1,948.45 |
| 1/4 |       | 1/4 | 4,538.55 | 1/4 | 4,236.45 | 1/4 | 3,924.46 | 1/4 | 3,597.05 | 1/4 | 3,265.96 | 1/4 | 2,934.86 | 1/4 | 2,603.77 | 1/4 | 2,272.67 | 1/4 | 1,941.55 |
| 1/2 |       | 1/2 | 4,531.79 | 1/2 | 4,230.11 | 1/2 | 3,917.77 | 1/2 | 3,590.15 | 1/2 | 3,259.06 | 1/2 | 2,927.96 | 1/2 | 2,596.87 | 1/2 | 2,265.77 | 1/2 | 1,934.65 |
| 3/4 |       | 3/4 | 4,525.02 | 3/4 | 4,223.77 | 3/4 | 3,911.07 | 3/4 | 3,583.25 | 3/4 | 3,252.16 | 3/4 | 2,921.07 | 3/4 | 2,589.97 | 3/4 | 2,258.88 | 3/4 | 1,927.75 |
| 3   |       | 3   | 4,518.26 | 3   | 4,217.44 | 3   | 3,904.38 | 3   | 3,576.36 | 3   | 3,245.26 | 3   | 2,914.17 | 3   | 2,583.07 | 3   | 2,251.98 | 3   | 1,920.85 |
| 1/4 |       | 1/4 | 4,511.50 | 1/4 | 4,211.10 | 1/4 | 3,897.69 | 1/4 | 3,569.46 | 1/4 | 3,238.36 | 1/4 | 2,907.27 | 1/4 | 2,576.18 | 1/4 | 2,245.08 | 1/4 | 1,913.95 |
| 1/2 |       | 1/2 | 4,504.73 | 1/2 | 4,204.73 | 1/2 | 3,890.97 | 1/2 | 3,562.56 | 1/2 | 3,231.47 | 1/2 | 2,900.37 | 1/2 | 2,569.28 | 1/2 | 2,238.18 | 1/2 | 1,907.05 |
| 3/4 |       | 3/4 | 4,497.97 | 3/4 | 4,198.37 | 3/4 | 3,884.26 | 3/4 | 3,555.66 | 3/4 | 3,224.57 | 3/4 | 2,893.47 | 3/4 | 2,562.38 | 3/4 | 2,231.29 | 3/4 | 1,900.15 |
| 4   |       | 4   | 4,491.21 | 4   | 4,192.01 | 4   | 3,877.54 | 4   | 3,548.76 | 4   | 3,217.67 | 4   | 2,886.58 | 4   | 2,555.48 | 4   | 2,224.39 | 4   | 1,893.25 |
| 1/4 |       | 1/4 | 4,484.45 | 1/4 | 4,185.64 | 1/4 | 3,870.82 | 1/4 | 3,541.87 | 1/4 | 3,210.77 | 1/4 | 2,879.68 | 1/4 | 2,548.58 | 1/4 | 2,217.49 | 1/4 | 1,886.35 |
| 1/2 |       | 1/2 | 4,478.07 | 1/2 | 4,179.25 | 1/2 | 3,864.08 | 1/2 | 3,534.97 | 1/2 | 3,203.87 | 1/2 | 2,872.78 | 1/2 | 2,541.69 | 1/2 | 2,210.59 | 1/2 | 1,879.45 |
| 3/4 |       | 3/4 | 4,471.69 | 3/4 | 4,172.86 | 3/4 | 3,857.33 | 3/4 | 3,528.07 | 3/4 | 3,196.98 | 3/4 | 2,865.88 | 3/4 | 2,534.79 | 3/4 | 2,203.69 | 3/4 | 1,872.55 |
| 5   |       | 5   | 4,465.31 | 5   | 4,166.47 | 5   | 3,850.59 | 5   | 3,521.17 | 5   | 3,190.08 | 5   | 2,858.98 | 5   | 2,527.89 | 5   | 2,196.80 | 5   | 1,865.65 |
| 1/4 |       | 1/4 | 4,458.93 | 1/4 | 4,160.08 | 1/4 | 3,843.84 | 1/4 | 3,514.28 | 1/4 | 3,183.18 | 1/4 | 2,852.09 | 1/4 | 2,520.99 | 1/4 | 2,189.90 | 1/4 | 1,858.75 |
| 1/2 |       | 1/2 | 4,452.93 | 1/2 | 4,153.67 | 1/2 | 3,837.07 | 1/2 | 3,507.38 | 1/2 | 3,176.28 | 1/2 | 2,845.19 | 1/2 | 2,514.09 | 1/2 | 2,183.00 | 1/2 | 1,851.85 |
| 3/4 |       | 3/4 | 4,446.92 | 3/4 | 4,147.25 | 3/4 | 3,830.30 | 3/4 | 3,500.48 | 3/4 | 3,169.39 | 3/4 | 2,838.29 | 3/4 | 2,507.20 | 3/4 | 2,176.10 | 3/4 | 1,844.95 |
| 6   |       | 6   | 4,440.91 | 6   | 4,140.84 | 6   | 3,823.53 | 6   | 3,493.58 | 6   | 3,162.49 | 6   | 2,831.39 | 6   | 2,500.30 | 6   | 2,169.20 | 6   | 1,838.05 |
| 1/4 |       | 1/4 | 4,434.91 | 1/4 | 4,134.42 | 1/4 | 3,816.76 | 1/4 | 3,486.68 | 1/4 | 3,155.59 | 1/4 | 2,824.50 | 1/4 | 2,493.40 | 1/4 | 2,162.31 | 1/4 | 1,831.15 |
| 1/2 |       | 1/2 | 4,428.87 | 1/2 | 4,127.98 | 1/2 | 3,809.97 | 1/2 | 3,479.79 | 1/2 | 3,148.69 | 1/2 | 2,817.60 | 1/2 | 2,486.50 | 1/2 | 2,155.41 | 1/2 | 1,824.25 |
| 3/4 |       | 3/4 | 4,422.84 | 3/4 | 4,121.53 | 3/4 | 3,803.17 | 3/4 | 3,472.89 | 3/4 | 3,141.79 | 3/4 | 2,810.70 | 3/4 | 2,479.61 | 3/4 | 2,148.51 | 3/4 | 1,817.35 |
| 7   |       | 7   | 4,416.81 | 7   | 4,115.09 | 7   | 3,796.38 | 7   | 3,465.99 | 7   | 3,134.90 | 7   | 2,803.80 | 7   | 2,472.71 | 7   | 2,141.61 | 7   | 1,810.45 |
| 1/4 |       | 1/4 | 4,410.77 | 1/4 | 4,108.65 | 1/4 | 3,789.58 | 1/4 | 3,459.09 | 1/4 | 3,128.00 | 1/4 | 2,796.90 | 1/4 | 2,465.81 | 1/4 | 2,134.72 | 1/4 | 1,803.55 |
| 1/2 |       | 1/2 | 4,404.67 | 1/2 | 4,102.18 | 1/2 | 3,782.76 | 1/2 | 3,452.20 | 1/2 | 3,121.10 | 1/2 | 2,790.01 | 1/2 | 2,458.91 | 1/2 | 2,127.82 | 1/2 | 1,796.65 |
| 3/4 |       | 3/4 | 4,398.56 | 3/4 | 4,095.71 | 3/4 | 3,775.93 | 3/4 | 3,445.30 | 3/4 | 3,114.20 | 3/4 | 2,783.11 | 3/4 | 2,452.01 | 3/4 | 2,120.92 | 3/4 | 1,789.75 |
| 8   |       | 8   | 4,392.45 | 8   | 4,089.24 | 8   | 3,769.11 | 8   | 3,438.40 | 8   | 3,107.31 | 8   | 2,776.21 | 8   | 2,445.12 | 8   | 2,114.02 | 8   | 1,782.85 |
| 1/4 |       | 1/4 | 4,386.35 | 1/4 | 4,082.78 | 1/4 | 3,762.29 | 1/4 | 3,431.50 | 1/4 | 3,100.41 | 1/4 | 2,769.31 | 1/4 | 2,438.22 | 1/4 | 2,107.12 | 1/4 | 1,775.95 |
| 1/2 |       | 1/2 | 4,380.17 | 1/2 | 4,076.26 | 1/2 | 3,755.44 | 1/2 | 3,424.60 | 1/2 | 3,093.51 | 1/2 | 2,762.42 | 1/2 | 2,431.32 | 1/2 | 2,100.23 | 1/2 | 1,769.05 |
| 3/4 |       | 3/4 | 4,373.99 | 3/4 | 4,069.75 | 3/4 | 3,748.59 | 3/4 | 3,417.71 | 3/4 | 3,086.61 | 3/4 | 2,755.52 | 3/4 | 2,424.42 | 3/4 | 2,093.33 | 3/4 | 1,762.15 |
| 9   |       | 9   | 4,367.81 | 9   | 4,063.23 | 9   | 3,741.74 | 9   | 3,410.81 | 9   | 3,079.71 | 9   | 2,748.62 | 9   | 2,417.53 | 9   | 2,086.43 | 9   | 1,755.25 |
| 1/4 |       | 1/4 | 4,361.63 | 1/4 | 4,056.72 | 1/4 | 3,734.89 | 1/4 | 3,403.91 | 1/4 | 3,072.82 | 1/4 | 2,741.72 | 1/4 | 2,410.63 | 1/4 | 2,079.53 | 1/4 | 1,748.35 |
| 1/2 |       | 1/2 | 4,355.42 | 1/2 | 4,050.16 | 1/2 | 3,728.02 | 1/2 | 3,397.01 | 1/2 | 3,065.92 | 1/2 | 2,734.82 | 1/2 | 2,403.73 | 1/2 | 2,072.64 | 1/2 | 1,741.45 |
| 3/4 |       | 3/4 | 4,349.21 | 3/4 | 4,043.60 | 3/4 | 3,721.14 | 3/4 | 3,390.12 | 3/4 | 3,059.02 | 3/4 | 2,727.93 | 3/4 | 2,396.83 | 3/4 | 2,065.74 | 3/4 | 1,734.55 |
| 10  |       | 10  | 4,343.01 | 10  | 4,037.04 | 10  | 3,714.27 | 10  | 3,383.22 | 10  | 3,052.12 | 10  | 2,721.03 | 10  | 2,389.93 | 10  | 2,058.84 | 10  | 1,727.65 |
| 1/4 |       | 1/4 | 4,336.80 | 1/4 | 4,030.48 | 1/4 | 3,707.39 | 1/4 | 3,376.32 | 1/4 | 3,045.23 | 1/4 | 2,714.13 | 1/4 | 2,383.04 | 1/4 | 2,051.94 | 1/4 | 1,720.75 |
| 1/2 |       | 1/2 | 4,330.57 | 1/2 | 4,023.89 | 1/2 | 3,700.50 | 1/2 | 3,369.42 | 1/2 | 3,038.33 | 1/2 | 2,707.23 | 1/2 | 2,376.14 | 1/2 | 2,045.04 | 1/2 | 1,713.85 |
| 3/4 |       | 3/4 | 4,324.33 | 3/4 | 4,017.30 | 3/4 | 3,693.61 | 3/4 | 3,362.52 | 3/4 | 3,031.43 | 3/4 | 2,700.34 | 3/4 | 2,369.24 | 3/4 | 2,038.15 | 3/4 | 1,706.95 |
| 11  |       | 11  | 4,318.10 | 11  | 4,010.72 | 11  | 3,686.72 | 11  | 3,355.63 | 11  | 3,024.53 | 11  | 2,693.44 | 11  | 2,362.34 | 11  | 2,031.25 | 11  | 1,700.05 |
| 1/4 |       | 1/4 | 4,311.87 | 1/4 | 4,004.13 | 1/4 | 3,679.82 | 1/4 | 3,348.73 | 1/4 | 3,017.63 | 1/4 | 2,686.54 | 1/4 | 2,355.45 | 1/4 | 2,024.35 | 1/4 | 1,693.15 |
| 1/2 |       | 1/2 | 4,305.61 | 1/2 | 3,997.52 | 1/2 | 3,672.93 | 1/2 | 3,341.83 | 1/2 | 3,010.74 | 1/2 | 2,679.64 | 1/2 | 2,348.55 | 1/2 | 2,017.45 | 1/2 | 1,686.25 |
| 3/4 |       | 3/4 | 4,299.35 | 3/4 | 3,990.90 | 3/4 | 3,666.03 | 3/4 | 3,334.93 | 3/4 | 3,003.84 | 3/4 | 2,672.74 | 3/4 | 2,341.65 | 3/4 | 2,010.55 | 3/4 | 1,679.34 |

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "TMTB 103"

1 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 15'-06 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   | 1,672.44 | 0   | 1,341.24 | 0   | 1,010.67 | 0   | 695.61 | 0   | 404.21 | 0   | 133.01 | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 1,665.54 | 1/4 | 1,334.34 | 1/4 | 1,003.86 | 1/4 | 689.29 | 1/4 | 398.32 | 1/4 | 127.58 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |        |
| 1/2 | 1,658.64 | 1/2 | 1,327.44 | 1/2 | 997.09   | 1/2 | 683.01 | 1/2 | 392.47 | 1/2 | 122.18 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |        |
| 3/4 | 1,651.74 | 3/4 | 1,320.54 | 3/4 | 990.33   | 3/4 | 676.72 | 3/4 | 386.62 | 3/4 | 116.79 | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |        |
| 1   | 1,644.84 | 1   | 1,313.64 | 1   | 983.56   | 1   | 670.44 | 1   | 380.77 | 1   | 111.40 | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 1,637.94 | 1/4 | 1,306.74 | 1/4 | 976.79   | 1/4 | 664.16 | 1/4 | 374.92 | 1/4 | 106.01 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |        |
| 1/2 | 1,631.04 | 1/2 | 1,299.84 | 1/2 | 970.07   | 1/2 | 657.91 | 1/2 | 369.11 | 1/2 | 100.65 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |        |
| 3/4 | 1,624.14 | 3/4 | 1,292.94 | 3/4 | 963.34   | 3/4 | 651.66 | 3/4 | 363.29 | 3/4 | 95.30  | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |        |
| 2   | 1,617.24 | 2   | 1,286.04 | 2   | 956.61   | 2   | 645.42 | 2   | 357.48 | 2   | 89.94  | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 1,610.34 | 1/4 | 1,279.14 | 1/4 | 949.88   | 1/4 | 639.17 | 1/4 | 351.67 | 1/4 | 84.59  | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |        |
| 1/2 | 1,603.44 | 1/2 | 1,272.24 | 1/2 | 943.19   | 1/2 | 632.98 | 1/2 | 345.90 | 1/2 | 79.27  | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |        |
| 3/4 | 1,596.54 | 3/4 | 1,265.34 | 3/4 | 936.50   | 3/4 | 626.78 | 3/4 | 340.12 | 3/4 | 73.96  | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |        |
| 3   | 1,589.64 | 3   | 1,258.44 | 3   | 929.81   | 3   | 620.58 | 3   | 334.35 | 3   | 68.64  | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 1,582.74 | 1/4 | 1,251.54 | 1/4 | 923.12   | 1/4 | 614.39 | 1/4 | 328.57 | 1/4 | 63.33  | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |        |
| 1/2 | 1,575.84 | 1/2 | 1,244.64 | 1/2 | 916.47   | 1/2 | 608.24 | 1/2 | 322.84 | 1/2 | 58.05  | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |        |
| 3/4 | 1,568.94 | 3/4 | 1,237.74 | 3/4 | 909.82   | 3/4 | 602.10 | 3/4 | 317.10 | 3/4 | 52.77  | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |        |
| 4   | 1,562.04 | 4   | 1,230.84 | 4   | 903.16   | 4   | 595.95 | 4   | 311.37 | 4   | 47.49  | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 1,555.14 | 1/4 | 1,223.94 | 1/4 | 896.51   | 1/4 | 589.80 | 1/4 | 305.63 | 1/4 | 42.21  | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |        |
| 1/2 | 1,548.24 | 1/2 | 1,217.04 | 1/2 | 889.90   | 1/2 | 583.69 | 1/2 | 299.93 | 1/2 | 37.55  | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |        |
| 3/4 | 1,541.34 | 3/4 | 1,210.14 | 3/4 | 883.28   | 3/4 | 577.58 | 3/4 | 294.23 | 3/4 | 32.88  | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |        |
| 5   | 1,534.44 | 5   | 1,203.24 | 5   | 876.67   | 5   | 571.48 | 5   | 288.54 | 5   | 28.22  | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 1,527.54 | 1/4 | 1,196.34 | 1/4 | 870.06   | 1/4 | 565.37 | 1/4 | 282.84 | 1/4 | 23.56  | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |        |
| 1/2 | 1,520.64 | 1/2 | 1,189.44 | 1/2 | 863.48   | 1/2 | 559.30 | 1/2 | 277.18 | 1/2 | 20.22  | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |        |
| 3/4 | 1,513.74 | 3/4 | 1,182.54 | 3/4 | 856.91   | 3/4 | 553.23 | 3/4 | 271.52 | 3/4 | 16.88  | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |        |
| 6   | 1,506.84 | 6   | 1,175.64 | 6   | 850.33   | 6   | 547.16 | 6   | 265.86 | 6   | 13.55  | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 1,499.94 | 1/4 | 1,168.74 | 1/4 | 843.75   | 1/4 | 541.09 | 1/4 | 260.20 | 1/4 | 10.21  | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |        |
| 1/2 | 1,493.04 | 1/2 | 1,161.84 | 1/2 | 837.22   | 1/2 | 535.05 | 1/2 | 254.58 | 1/2 |        | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |        |
| 3/4 | 1,486.14 | 3/4 | 1,154.94 | 3/4 | 830.68   | 3/4 | 529.02 | 3/4 | 248.96 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |        |
| 7   | 1,479.24 | 7   | 1,148.04 | 7   | 824.14   | 7   | 522.99 | 7   | 243.34 | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 1,472.34 | 1/4 | 1,141.14 | 1/4 | 817.60   | 1/4 | 516.96 | 1/4 | 237.72 | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |        |
| 1/2 | 1,465.44 | 1/2 | 1,134.24 | 1/2 | 811.10   | 1/2 | 510.96 | 1/2 | 232.13 | 1/2 |        | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |        |
| 3/4 | 1,458.54 | 3/4 | 1,127.34 | 3/4 | 804.61   | 3/4 | 504.97 | 3/4 | 226.55 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |        |
| 8   | 1,451.64 | 8   | 1,120.44 | 8   | 798.11   | 8   | 498.98 | 8   | 220.97 | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 1,444.74 | 1/4 | 1,113.54 | 1/4 | 791.61   | 1/4 | 492.98 | 1/4 | 215.38 | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |        |
| 1/2 | 1,437.84 | 1/2 | 1,106.64 | 1/2 | 785.15   | 1/2 | 487.03 | 1/2 | 209.84 | 1/2 |        | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |        |
| 3/4 | 1,430.94 | 3/4 | 1,099.75 | 3/4 | 778.68   | 3/4 | 481.07 | 3/4 | 204.29 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |        |
| 9   | 1,424.04 | 9   | 1,092.85 | 9   | 772.22   | 9   | 475.11 | 9   | 198.75 | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 1,417.14 | 1/4 | 1,085.96 | 1/4 | 765.76   | 1/4 | 469.16 | 1/4 | 193.20 | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |        |
| 1/2 | 1,410.24 | 1/2 | 1,079.08 | 1/2 | 759.34   | 1/2 | 463.24 | 1/2 | 187.69 | 1/2 |        | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |        |
| 3/4 | 1,403.34 | 3/4 | 1,072.20 | 3/4 | 752.92   | 3/4 | 457.32 | 3/4 | 182.19 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |        |
| 10  | 1,396.44 | 10  | 1,065.33 | 10  | 746.49   | 10  | 451.40 | 10  | 176.68 | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 1,389.54 | 1/4 | 1,058.45 | 1/4 | 740.07   | 1/4 | 445.49 | 1/4 | 171.17 | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |        |
| 1/2 | 1,382.64 | 1/2 | 1,051.61 | 1/2 | 733.70   | 1/2 | 439.58 | 1/2 | 165.71 | 1/2 |        | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |        |
| 3/4 | 1,375.74 | 3/4 | 1,044.76 | 3/4 | 727.32   | 3/4 | 433.68 | 3/4 | 160.24 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |        |
| 11  | 1,368.84 | 11  | 1,037.92 | 11  | 720.95   | 11  | 427.78 | 11  | 154.77 | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 1,361.94 | 1/4 | 1,031.08 | 1/4 | 714.58   | 1/4 | 421.87 | 1/4 | 149.30 | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |        |
| 1/2 | 1,355.04 | 1/2 | 1,024.27 | 1/2 | 708.26   | 1/2 | 415.99 | 1/2 | 143.87 | 1/2 |        | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |        |
| 3/4 | 1,348.14 | 3/4 | 1,017.47 | 3/4 | 701.94   | 3/4 | 410.10 | 3/4 | 138.44 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/02/2020 CL  
CALCULATED: 11/02/2020 CL  
PRINTED: 11/02/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2020

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& ANALYSIS, INC.

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



# BARGE "TMTB 103"

## 2 PORT ULLAGE TABLE

### HERMETIC GAUGE HEIGHT 15'-06 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

| IN  | 0 FT. | IN  | 1 FT.    | IN  | 2 FT.    | IN  | 3 FT.    | IN  | 4 FT.    | IN  | 5 FT.    | IN  | 6 FT.    | IN  | 7 FT.    | IN  | 8 FT.    | IN  | 9 FT.    |
|-----|-------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| 0   |       | 0   |          | 0   | 5,226.50 | 0   | 4,864.42 | 0   | 4,483.30 | 0   | 4,094.89 | 0   | 3,706.48 | 0   | 3,318.07 | 0   | 2,929.66 | 0   | 2,541.24 |
| 1/4 |       | 1/4 |          | 1/4 | 5,219.15 | 1/4 | 4,856.66 | 1/4 | 4,475.21 | 1/4 | 4,086.80 | 1/4 | 3,698.39 | 1/4 | 3,309.98 | 1/4 | 2,921.57 | 1/4 | 2,533.15 |
| 1/2 |       | 1/2 | 5,563.30 | 1/2 | 5,211.81 | 1/2 | 4,848.90 | 1/2 | 4,467.12 | 1/2 | 4,078.71 | 1/2 | 3,690.30 | 1/2 | 3,301.89 | 1/2 | 2,913.47 | 1/2 | 2,525.06 |
| 3/4 |       | 3/4 | 5,556.96 | 3/4 | 5,204.43 | 3/4 | 4,841.11 | 3/4 | 4,459.03 | 3/4 | 4,070.62 | 3/4 | 3,682.21 | 3/4 | 3,293.79 | 3/4 | 2,905.38 | 3/4 | 2,516.96 |
| 1   |       | 1   | 5,550.62 | 1   | 5,197.05 | 1   | 4,833.32 | 1   | 4,450.94 | 1   | 4,062.52 | 1   | 3,674.11 | 1   | 3,285.70 | 1   | 2,897.29 | 1   | 2,508.87 |
| 1/4 |       | 1/4 | 5,544.28 | 1/4 | 5,189.67 | 1/4 | 4,825.53 | 1/4 | 4,442.84 | 1/4 | 4,054.43 | 1/4 | 3,666.02 | 1/4 | 3,277.61 | 1/4 | 2,889.20 | 1/4 | 2,500.77 |
| 1/2 |       | 1/2 | 5,537.94 | 1/2 | 5,182.29 | 1/2 | 4,817.75 | 1/2 | 4,434.75 | 1/2 | 4,046.34 | 1/2 | 3,657.93 | 1/2 | 3,269.52 | 1/2 | 2,881.11 | 1/2 | 2,492.68 |
| 3/4 |       | 3/4 | 5,530.39 | 3/4 | 5,174.88 | 3/4 | 4,809.93 | 3/4 | 4,426.66 | 3/4 | 4,038.25 | 3/4 | 3,649.84 | 3/4 | 3,261.43 | 3/4 | 2,873.02 | 3/4 | 2,484.58 |
| 2   |       | 2   | 5,522.83 | 2   | 5,167.46 | 2   | 4,802.11 | 2   | 4,418.57 | 2   | 4,030.16 | 2   | 3,641.75 | 2   | 3,253.33 | 2   | 2,864.92 | 2   | 2,476.49 |
| 1/4 |       | 1/4 | 5,515.28 | 1/4 | 5,160.05 | 1/4 | 4,794.29 | 1/4 | 4,410.48 | 1/4 | 4,022.07 | 1/4 | 3,633.65 | 1/4 | 3,245.24 | 1/4 | 2,856.83 | 1/4 | 2,468.40 |
| 1/2 |       | 1/2 | 5,507.73 | 1/2 | 5,152.64 | 1/2 | 4,786.47 | 1/2 | 4,402.38 | 1/2 | 4,013.97 | 1/2 | 3,625.56 | 1/2 | 3,237.15 | 1/2 | 2,848.74 | 1/2 | 2,460.30 |
| 3/4 |       | 3/4 | 5,499.77 | 3/4 | 5,145.20 | 3/4 | 4,778.62 | 3/4 | 4,394.29 | 3/4 | 4,005.88 | 3/4 | 3,617.47 | 3/4 | 3,229.06 | 3/4 | 2,840.65 | 3/4 | 2,452.21 |
| 3   |       | 3   | 5,491.81 | 3   | 5,137.76 | 3   | 4,770.77 | 3   | 4,386.20 | 3   | 3,997.79 | 3   | 3,609.38 | 3   | 3,220.97 | 3   | 2,832.56 | 3   | 2,444.11 |
| 1/4 |       | 1/4 | 5,483.85 | 1/4 | 5,130.32 | 1/4 | 4,762.92 | 1/4 | 4,378.11 | 1/4 | 3,989.70 | 1/4 | 3,601.29 | 1/4 | 3,212.88 | 1/4 | 2,824.46 | 1/4 | 2,436.02 |
| 1/2 |       | 1/2 | 5,475.90 | 1/2 | 5,122.88 | 1/2 | 4,755.07 | 1/2 | 4,370.02 | 1/2 | 3,981.61 | 1/2 | 3,593.19 | 1/2 | 3,204.78 | 1/2 | 2,816.37 | 1/2 | 2,427.92 |
| 3/4 |       | 3/4 | 5,467.94 | 3/4 | 5,115.41 | 3/4 | 4,747.19 | 3/4 | 4,361.92 | 3/4 | 3,973.51 | 3/4 | 3,585.10 | 3/4 | 3,196.69 | 3/4 | 2,808.28 | 3/4 | 2,419.83 |
| 4   |       | 4   | 5,459.98 | 4   | 5,107.93 | 4   | 4,739.31 | 4   | 4,353.83 | 4   | 3,965.42 | 4   | 3,577.01 | 4   | 3,188.60 | 4   | 2,800.19 | 4   | 2,411.74 |
| 1/4 |       | 1/4 | 5,452.03 | 1/4 | 5,100.46 | 1/4 | 4,731.43 | 1/4 | 4,345.74 | 1/4 | 3,957.33 | 1/4 | 3,568.92 | 1/4 | 3,180.51 | 1/4 | 2,792.10 | 1/4 | 2,403.64 |
| 1/2 |       | 1/2 | 5,444.07 | 1/2 | 5,092.99 | 1/2 | 4,723.55 | 1/2 | 4,337.65 | 1/2 | 3,949.24 | 1/2 | 3,560.83 | 1/2 | 3,172.42 | 1/2 | 2,784.00 | 1/2 | 2,395.55 |
| 3/4 |       | 3/4 | 5,436.57 | 3/4 | 5,085.49 | 3/4 | 4,715.64 | 3/4 | 4,329.56 | 3/4 | 3,941.15 | 3/4 | 3,552.73 | 3/4 | 3,164.32 | 3/4 | 2,775.91 | 3/4 | 2,387.45 |
| 5   |       | 5   | 5,429.06 | 5   | 5,077.98 | 5   | 4,707.72 | 5   | 4,321.47 | 5   | 3,933.05 | 5   | 3,544.64 | 5   | 3,156.23 | 5   | 2,767.82 | 5   | 2,379.36 |
| 1/4 |       | 1/4 | 5,421.55 | 1/4 | 5,070.48 | 1/4 | 4,699.81 | 1/4 | 4,313.37 | 1/4 | 3,924.96 | 1/4 | 3,536.55 | 1/4 | 3,148.14 | 1/4 | 2,759.73 | 1/4 | 2,371.27 |
| 1/2 |       | 1/2 | 5,414.05 | 1/2 | 5,062.98 | 1/2 | 4,691.90 | 1/2 | 4,305.28 | 1/2 | 3,916.87 | 1/2 | 3,528.46 | 1/2 | 3,140.05 | 1/2 | 2,751.64 | 1/2 | 2,363.17 |
| 3/4 |       | 3/4 | 5,406.98 | 3/4 | 5,055.44 | 3/4 | 4,683.96 | 3/4 | 4,297.19 | 3/4 | 3,908.78 | 3/4 | 3,520.37 | 3/4 | 3,131.96 | 3/4 | 2,743.54 | 3/4 | 2,355.08 |
| 6   |       | 6   | 5,399.91 | 6   | 5,047.91 | 6   | 4,676.02 | 6   | 4,289.10 | 6   | 3,900.69 | 6   | 3,512.28 | 6   | 3,123.86 | 6   | 2,735.45 | 6   | 2,346.98 |
| 1/4 |       | 1/4 | 5,392.84 | 1/4 | 5,040.38 | 1/4 | 4,668.08 | 1/4 | 4,281.01 | 1/4 | 3,892.59 | 1/4 | 3,504.18 | 1/4 | 3,115.77 | 1/4 | 2,727.36 | 1/4 | 2,338.89 |
| 1/2 |       | 1/2 | 5,385.77 | 1/2 | 5,032.84 | 1/2 | 4,660.13 | 1/2 | 4,272.91 | 1/2 | 3,884.50 | 1/2 | 3,496.09 | 1/2 | 3,107.68 | 1/2 | 2,719.27 | 1/2 | 2,330.79 |
| 3/4 |       | 3/4 | 5,378.67 | 3/4 | 5,025.28 | 3/4 | 4,652.16 | 3/4 | 4,264.82 | 3/4 | 3,876.41 | 3/4 | 3,488.00 | 3/4 | 3,099.59 | 3/4 | 2,711.18 | 3/4 | 2,322.70 |
| 7   |       | 7   | 5,371.57 | 7   | 5,017.72 | 7   | 4,644.19 | 7   | 4,256.73 | 7   | 3,868.32 | 7   | 3,479.91 | 7   | 3,091.50 | 7   | 2,703.09 | 7   | 2,314.61 |
| 1/4 |       | 1/4 | 5,364.47 | 1/4 | 5,010.15 | 1/4 | 4,636.21 | 1/4 | 4,248.64 | 1/4 | 3,860.23 | 1/4 | 3,471.82 | 1/4 | 3,083.40 | 1/4 | 2,694.99 | 1/4 | 2,306.51 |
| 1/2 |       | 1/2 | 5,357.37 | 1/2 | 5,002.59 | 1/2 | 4,628.24 | 1/2 | 4,240.55 | 1/2 | 3,852.14 | 1/2 | 3,463.72 | 1/2 | 3,075.31 | 1/2 | 2,686.90 | 1/2 | 2,298.42 |
| 3/4 |       | 3/4 | 5,350.19 | 3/4 | 4,994.99 | 3/4 | 4,620.24 | 3/4 | 4,232.45 | 3/4 | 3,844.04 | 3/4 | 3,455.63 | 3/4 | 3,067.22 | 3/4 | 2,678.81 | 3/4 | 2,290.32 |
| 8   |       | 8   | 5,343.01 | 8   | 4,987.40 | 8   | 4,612.24 | 8   | 4,224.36 | 8   | 3,835.95 | 8   | 3,447.54 | 8   | 3,059.13 | 8   | 2,670.72 | 8   | 2,282.23 |
| 1/4 |       | 1/4 | 5,335.83 | 1/4 | 4,979.80 | 1/4 | 4,604.23 | 1/4 | 4,216.27 | 1/4 | 3,827.86 | 1/4 | 3,439.45 | 1/4 | 3,051.04 | 1/4 | 2,662.63 | 1/4 | 2,274.14 |
| 1/2 |       | 1/2 | 5,328.65 | 1/2 | 4,972.21 | 1/2 | 4,596.23 | 1/2 | 4,208.18 | 1/2 | 3,819.77 | 1/2 | 3,431.36 | 1/2 | 3,042.95 | 1/2 | 2,654.53 | 1/2 | 2,266.04 |
| 3/4 |       | 3/4 | 5,321.40 | 3/4 | 4,964.56 | 3/4 | 4,588.19 | 3/4 | 4,200.09 | 3/4 | 3,811.68 | 3/4 | 3,423.26 | 3/4 | 3,034.85 | 3/4 | 2,646.44 | 3/4 | 2,257.95 |
| 9   |       | 9   | 5,314.14 | 9   | 4,956.92 | 9   | 4,580.16 | 9   | 4,191.99 | 9   | 3,803.58 | 9   | 3,415.17 | 9   | 3,026.76 | 9   | 2,638.35 | 9   | 2,249.85 |
| 1/4 |       | 1/4 | 5,306.88 | 1/4 | 4,949.27 | 1/4 | 4,572.13 | 1/4 | 4,183.90 | 1/4 | 3,795.49 | 1/4 | 3,407.08 | 1/4 | 3,018.67 | 1/4 | 2,630.26 | 1/4 | 2,241.76 |
| 1/2 |       | 1/2 | 5,299.63 | 1/2 | 4,941.63 | 1/2 | 4,564.09 | 1/2 | 4,175.81 | 1/2 | 3,787.40 | 1/2 | 3,398.99 | 1/2 | 3,010.58 | 1/2 | 2,622.17 | 1/2 | 2,233.66 |
| 3/4 |       | 3/4 | 5,292.34 | 3/4 | 4,933.93 | 3/4 | 4,556.03 | 3/4 | 4,167.72 | 3/4 | 3,779.31 | 3/4 | 3,390.90 | 3/4 | 3,002.49 | 3/4 | 2,614.07 | 3/4 | 2,225.57 |
| 10  |       | 10  | 5,285.05 | 10  | 4,926.23 | 10  | 4,547.96 | 10  | 4,159.63 | 10  | 3,771.22 | 10  | 3,382.81 | 10  | 2,994.39 | 10  | 2,605.98 | 10  | 2,217.48 |
| 1/4 |       | 1/4 | 5,277.76 | 1/4 | 4,918.54 | 1/4 | 4,539.90 | 1/4 | 4,151.54 | 1/4 | 3,763.12 | 1/4 | 3,374.71 | 1/4 | 2,986.30 | 1/4 | 2,597.89 | 1/4 | 2,209.38 |
| 1/2 |       | 1/2 | 5,270.48 | 1/2 | 4,910.84 | 1/2 | 4,531.83 | 1/2 | 4,143.44 | 1/2 | 3,755.03 | 1/2 | 3,366.62 | 1/2 | 2,978.21 | 1/2 | 2,589.80 | 1/2 | 2,201.29 |
| 3/4 |       | 3/4 | 5,263.16 | 3/4 | 4,903.11 | 3/4 | 4,523.74 | 3/4 | 4,135.35 | 3/4 | 3,746.94 | 3/4 | 3,358.53 | 3/4 | 2,970.12 | 3/4 | 2,581.71 | 3/4 | 2,193.19 |
| 11  |       | 11  | 5,255.84 | 11  | 4,895.39 | 11  | 4,515.66 | 11  | 4,127.26 | 11  | 3,738.85 | 11  | 3,350.44 | 11  | 2,962.03 | 11  | 2,573.62 | 11  | 2,185.10 |
| 1/4 |       | 1/4 | 5,248.52 | 1/4 | 4,887.66 | 1/4 | 4,507.57 | 1/4 | 4,119.17 | 1/4 | 3,730.76 | 1/4 | 3,342.35 | 1/4 | 2,953.93 | 1/4 | 2,565.52 | 1/4 | 2,177.00 |
| 1/2 |       | 1/2 | 5,241.20 | 1/2 | 4,879.93 | 1/2 | 4,499.49 | 1/2 | 4,111.08 | 1/2 | 3,722.66 | 1/2 | 3,334.25 | 1/2 | 2,945.84 | 1/2 | 2,557.43 | 1/2 | 2,168.91 |
| 3/4 |       | 3/4 | 5,233.85 | 3/4 | 4,872.17 | 3/4 | 4,491.40 | 3/4 | 4,102.98 | 3/4 | 3,714.57 | 3/4 | 3,326.16 | 3/4 | 2,937.75 | 3/4 | 2,549.34 | 3/4 | 2,160.82 |

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 50'-06" 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 103"

## 2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06 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   | 2,152.72 | 0   | 1,764.20 | 0   | 1,375.68 | 0   | 987.16 | 0   | 599.37 | 0   | 210.85 | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 2,144.63 | 1/4 | 1,756.11 | 1/4 | 1,367.58 | 1/4 | 979.06 | 1/4 | 591.27 | 1/4 | 202.76 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 2,136.53 | 1/2 | 1,748.01 | 1/2 | 1,359.49 | 1/2 | 970.97 | 1/2 | 583.18 | 1/2 | 194.67 | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 2,128.44 | 3/4 | 1,739.92 | 3/4 | 1,351.40 | 3/4 | 962.87 | 3/4 | 575.08 | 3/4 | 186.57 | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 1   | 2,120.35 | 1   | 1,731.82 | 1   | 1,343.30 | 1   | 954.78 | 1   | 566.99 | 1   | 178.48 | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 2,112.25 | 1/4 | 1,723.73 | 1/4 | 1,335.21 | 1/4 | 946.69 | 1/4 | 558.90 | 1/4 | 170.38 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 2,104.16 | 1/2 | 1,715.64 | 1/2 | 1,327.11 | 1/2 | 938.59 | 1/2 | 550.80 | 1/2 | 162.29 | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 2,096.06 | 3/4 | 1,707.54 | 3/4 | 1,319.02 | 3/4 | 930.50 | 3/4 | 542.71 | 3/4 | 154.20 | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 2   | 2,087.97 | 2   | 1,699.45 | 2   | 1,310.93 | 2   | 922.40 | 2   | 534.61 | 2   | 146.10 | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 2,079.87 | 1/4 | 1,691.35 | 1/4 | 1,302.83 | 1/4 | 914.31 | 1/4 | 526.52 | 1/4 | 138.01 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 2,071.78 | 1/2 | 1,683.26 | 1/2 | 1,294.74 | 1/2 | 906.22 | 1/2 | 518.43 | 1/2 | 129.91 | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 2,063.69 | 3/4 | 1,675.16 | 3/4 | 1,286.64 | 3/4 | 898.13 | 3/4 | 510.33 | 3/4 | 121.82 | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 3   | 2,055.59 | 3   | 1,667.07 | 3   | 1,278.55 | 3   | 890.05 | 3   | 502.24 | 3   | 113.73 | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 2,047.50 | 1/4 | 1,658.98 | 1/4 | 1,270.45 | 1/4 | 881.97 | 1/4 | 494.14 | 1/4 | 105.63 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 2,039.40 | 1/2 | 1,650.88 | 1/2 | 1,262.36 | 1/2 | 873.88 | 1/2 | 486.05 | 1/2 | 97.54  | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 2,031.31 | 3/4 | 1,642.79 | 3/4 | 1,254.27 | 3/4 | 865.81 | 3/4 | 477.96 | 3/4 | 89.44  | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 4   | 2,023.21 | 4   | 1,634.69 | 4   | 1,246.17 | 4   | 857.74 | 4   | 469.86 | 4   | 81.35  | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 2,015.12 | 1/4 | 1,626.60 | 1/4 | 1,238.08 | 1/4 | 849.67 | 1/4 | 461.77 | 1/4 | 73.26  | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 2,007.03 | 1/2 | 1,618.50 | 1/2 | 1,229.98 | 1/2 | 841.60 | 1/2 | 453.67 | 1/2 | 65.16  | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,998.93 | 3/4 | 1,610.41 | 3/4 | 1,221.89 | 3/4 | 833.53 | 3/4 | 445.58 | 3/4 | 57.74  | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 5   | 1,990.84 | 5   | 1,602.32 | 5   | 1,213.79 | 5   | 825.45 | 5   | 437.49 | 5   | 50.32  | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 1,982.74 | 1/4 | 1,594.22 | 1/4 | 1,205.70 | 1/4 | 817.38 | 1/4 | 429.39 | 1/4 | 42.90  | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,974.65 | 1/2 | 1,586.13 | 1/2 | 1,197.61 | 1/2 | 809.31 | 1/2 | 421.30 | 1/2 | 35.48  | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,966.56 | 3/4 | 1,578.03 | 3/4 | 1,189.51 | 3/4 | 801.24 | 3/4 | 413.20 | 3/4 | 30.09  | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 6   | 1,958.46 | 6   | 1,569.94 | 6   | 1,181.42 | 6   | 793.17 | 6   | 405.11 | 6   | 24.69  | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 1,950.37 | 1/4 | 1,561.85 | 1/4 | 1,173.32 | 1/4 | 785.10 | 1/4 | 397.02 | 1/4 | 19.30  | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,942.27 | 1/2 | 1,553.75 | 1/2 | 1,165.23 | 1/2 | 777.03 | 1/2 | 388.92 | 1/2 | 13.90  | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,934.18 | 3/4 | 1,545.66 | 3/4 | 1,157.14 | 3/4 | 768.95 | 3/4 | 380.83 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 7   | 1,926.08 | 7   | 1,537.56 | 7   | 1,149.04 | 7   | 760.88 | 7   | 372.73 | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 1,917.99 | 1/4 | 1,529.47 | 1/4 | 1,140.95 | 1/4 | 752.81 | 1/4 | 364.64 | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,909.90 | 1/2 | 1,521.37 | 1/2 | 1,132.85 | 1/2 | 744.74 | 1/2 | 356.55 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,901.80 | 3/4 | 1,513.28 | 3/4 | 1,124.76 | 3/4 | 736.67 | 3/4 | 348.45 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 8   | 1,893.71 | 8   | 1,505.19 | 8   | 1,116.66 | 8   | 728.60 | 8   | 340.36 | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 1,885.61 | 1/4 | 1,497.09 | 1/4 | 1,108.57 | 1/4 | 720.53 | 1/4 | 332.26 | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,877.52 | 1/2 | 1,489.00 | 1/2 | 1,100.48 | 1/2 | 712.45 | 1/2 | 324.17 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,869.43 | 3/4 | 1,480.90 | 3/4 | 1,092.38 | 3/4 | 704.38 | 3/4 | 316.08 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 9   | 1,861.33 | 9   | 1,472.81 | 9   | 1,084.29 | 9   | 696.31 | 9   | 307.98 | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 1,853.24 | 1/4 | 1,464.72 | 1/4 | 1,076.19 | 1/4 | 688.24 | 1/4 | 299.89 | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,845.14 | 1/2 | 1,456.62 | 1/2 | 1,068.10 | 1/2 | 680.17 | 1/2 | 291.79 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,837.05 | 3/4 | 1,448.53 | 3/4 | 1,060.01 | 3/4 | 672.10 | 3/4 | 283.70 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 10  | 1,828.95 | 10  | 1,440.43 | 10  | 1,051.91 | 10  | 664.02 | 10  | 275.61 | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 1,820.86 | 1/4 | 1,432.34 | 1/4 | 1,043.82 | 1/4 | 655.95 | 1/4 | 267.51 | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,812.77 | 1/2 | 1,424.24 | 1/2 | 1,035.72 | 1/2 | 647.88 | 1/2 | 259.42 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,804.67 | 3/4 | 1,416.15 | 3/4 | 1,027.63 | 3/4 | 639.80 | 3/4 | 251.32 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 11  | 1,796.58 | 11  | 1,408.06 | 11  | 1,019.53 | 11  | 631.72 | 11  | 243.23 | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 1,788.48 | 1/4 | 1,399.96 | 1/4 | 1,011.44 | 1/4 | 623.64 | 1/4 | 235.14 | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,780.39 | 1/2 | 1,391.87 | 1/2 | 1,003.35 | 1/2 | 615.55 | 1/2 | 227.04 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,772.29 | 3/4 | 1,383.77 | 3/4 | 995.25   | 3/4 | 607.46 | 3/4 | 218.95 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/02/2020 CL  
CALCULATED: 11/02/2020 CL  
PRINTED: 11/02/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2020

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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# BARGE "TMTB 103"

## 2 STBD ULLAGE TABLE

### HERMETIC GAUGE HEIGHT 15'-06 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

| IN  | 0 FT. | IN  | 1 FT.    | IN  | 2 FT.    | IN  | 3 FT.    | IN  | 4 FT.    | IN  | 5 FT.    | IN  | 6 FT.    | IN  | 7 FT.    | IN  | 8 FT.    | IN  | 9 FT.    |
|-----|-------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| 0   |       | 0   |          | 0   | 5,192.05 | 0   | 4,830.36 | 0   | 4,449.79 | 0   | 4,062.29 | 0   | 3,674.78 | 0   | 3,287.28 | 0   | 2,899.78 | 0   | 2,512.27 |
| 1/4 |       | 1/4 | 5,535.44 | 1/4 | 5,184.72 | 1/4 | 4,822.62 | 1/4 | 4,441.72 | 1/4 | 4,054.22 | 1/4 | 3,666.71 | 1/4 | 3,279.21 | 1/4 | 2,891.70 | 1/4 | 2,504.19 |
| 1/2 |       | 1/2 | 5,529.11 | 1/2 | 5,177.35 | 1/2 | 4,814.85 | 1/2 | 4,433.65 | 1/2 | 4,046.14 | 1/2 | 3,658.64 | 1/2 | 3,271.13 | 1/2 | 2,883.63 | 1/2 | 2,496.11 |
| 3/4 |       | 3/4 | 5,522.79 | 3/4 | 5,169.99 | 3/4 | 4,807.08 | 3/4 | 4,425.57 | 3/4 | 4,038.07 | 3/4 | 3,650.57 | 3/4 | 3,263.06 | 3/4 | 2,875.56 | 3/4 | 2,488.04 |
| 1   |       | 1   | 5,516.46 | 1   | 5,162.63 | 1   | 4,799.31 | 1   | 4,417.50 | 1   | 4,030.00 | 1   | 3,642.49 | 1   | 3,254.99 | 1   | 2,867.48 | 1   | 2,479.96 |
| 1/4 |       | 1/4 | 5,510.13 | 1/4 | 5,155.26 | 1/4 | 4,791.54 | 1/4 | 4,409.43 | 1/4 | 4,021.92 | 1/4 | 3,634.42 | 1/4 | 3,246.92 | 1/4 | 2,859.41 | 1/4 | 2,471.89 |
| 1/2 |       | 1/2 | 5,502.60 | 1/2 | 5,147.87 | 1/2 | 4,783.74 | 1/2 | 4,401.35 | 1/2 | 4,013.85 | 1/2 | 3,626.35 | 1/2 | 3,238.84 | 1/2 | 2,851.34 | 1/2 | 2,463.81 |
| 3/4 |       | 3/4 | 5,495.06 | 3/4 | 5,140.47 | 3/4 | 4,775.94 | 3/4 | 4,393.28 | 3/4 | 4,005.78 | 3/4 | 3,618.27 | 3/4 | 3,230.77 | 3/4 | 2,843.27 | 3/4 | 2,455.74 |
| 2   |       | 2   | 5,487.53 | 2   | 5,133.08 | 2   | 4,768.13 | 2   | 4,385.21 | 2   | 3,997.70 | 2   | 3,610.20 | 2   | 3,222.70 | 2   | 2,835.19 | 2   | 2,447.66 |
| 1/4 |       | 1/4 | 5,479.99 | 1/4 | 5,125.69 | 1/4 | 4,760.33 | 1/4 | 4,377.14 | 1/4 | 3,989.63 | 1/4 | 3,602.13 | 1/4 | 3,214.62 | 1/4 | 2,827.12 | 1/4 | 2,439.59 |
| 1/2 |       | 1/2 | 5,472.05 | 1/2 | 5,118.26 | 1/2 | 4,752.50 | 1/2 | 4,369.06 | 1/2 | 3,981.56 | 1/2 | 3,594.05 | 1/2 | 3,206.55 | 1/2 | 2,819.05 | 1/2 | 2,431.51 |
| 3/4 |       | 3/4 | 5,464.11 | 3/4 | 5,110.84 | 3/4 | 4,744.67 | 3/4 | 4,360.99 | 3/4 | 3,973.49 | 3/4 | 3,585.98 | 3/4 | 3,198.48 | 3/4 | 2,810.97 | 3/4 | 2,423.44 |
| 3   |       | 3   | 5,456.18 | 3   | 5,103.41 | 3   | 4,736.84 | 3   | 4,352.92 | 3   | 3,965.41 | 3   | 3,577.91 | 3   | 3,190.40 | 3   | 2,802.90 | 3   | 2,415.36 |
| 1/4 |       | 1/4 | 5,448.24 | 1/4 | 5,095.99 | 1/4 | 4,729.00 | 1/4 | 4,344.84 | 1/4 | 3,957.34 | 1/4 | 3,569.84 | 1/4 | 3,182.33 | 1/4 | 2,794.83 | 1/4 | 2,407.29 |
| 1/2 |       | 1/2 | 5,440.30 | 1/2 | 5,088.53 | 1/2 | 4,721.14 | 1/2 | 4,336.77 | 1/2 | 3,949.27 | 1/2 | 3,561.76 | 1/2 | 3,174.26 | 1/2 | 2,786.75 | 1/2 | 2,399.21 |
| 3/4 |       | 3/4 | 5,432.36 | 3/4 | 5,081.07 | 3/4 | 4,713.28 | 3/4 | 4,328.70 | 3/4 | 3,941.19 | 3/4 | 3,553.69 | 3/4 | 3,166.19 | 3/4 | 2,778.68 | 3/4 | 2,391.14 |
| 4   |       | 4   | 5,424.42 | 4   | 5,073.62 | 4   | 4,705.42 | 4   | 4,320.62 | 4   | 3,933.12 | 4   | 3,545.62 | 4   | 3,158.11 | 4   | 2,770.61 | 4   | 2,383.06 |
| 1/4 |       | 1/4 | 5,416.48 | 1/4 | 5,066.16 | 1/4 | 4,697.55 | 1/4 | 4,312.55 | 1/4 | 3,925.05 | 1/4 | 3,537.54 | 1/4 | 3,150.04 | 1/4 | 2,762.54 | 1/4 | 2,374.99 |
| 1/2 |       | 1/2 | 5,408.99 | 1/2 | 5,058.68 | 1/2 | 4,689.66 | 1/2 | 4,304.48 | 1/2 | 3,916.97 | 1/2 | 3,529.47 | 1/2 | 3,141.97 | 1/2 | 2,754.46 | 1/2 | 2,366.91 |
| 3/4 |       | 3/4 | 5,401.51 | 3/4 | 5,051.19 | 3/4 | 4,681.77 | 3/4 | 4,296.41 | 3/4 | 3,908.90 | 3/4 | 3,521.40 | 3/4 | 3,133.89 | 3/4 | 2,746.39 | 3/4 | 2,358.83 |
| 5   |       | 5   | 5,394.02 | 5   | 5,043.71 | 5   | 4,673.87 | 5   | 4,288.33 | 5   | 3,900.83 | 5   | 3,513.32 | 5   | 3,125.82 | 5   | 2,738.32 | 5   | 2,350.76 |
| 1/4 |       | 1/4 | 5,386.53 | 1/4 | 5,036.22 | 1/4 | 4,665.98 | 1/4 | 4,280.26 | 1/4 | 3,892.76 | 1/4 | 3,505.25 | 1/4 | 3,117.75 | 1/4 | 2,730.24 | 1/4 | 2,342.68 |
| 1/2 |       | 1/2 | 5,379.47 | 1/2 | 5,028.70 | 1/2 | 4,658.06 | 1/2 | 4,272.19 | 1/2 | 3,884.68 | 1/2 | 3,497.18 | 1/2 | 3,109.67 | 1/2 | 2,722.17 | 1/2 | 2,334.61 |
| 3/4 |       | 3/4 | 5,372.42 | 3/4 | 5,021.19 | 3/4 | 4,650.13 | 3/4 | 4,264.11 | 3/4 | 3,876.61 | 3/4 | 3,489.11 | 3/4 | 3,101.60 | 3/4 | 2,714.10 | 3/4 | 2,326.53 |
| 6   |       | 6   | 5,365.36 | 6   | 5,013.67 | 6   | 4,642.21 | 6   | 4,256.04 | 6   | 3,868.54 | 6   | 3,481.03 | 6   | 3,093.53 | 6   | 2,706.02 | 6   | 2,318.46 |
| 1/4 |       | 1/4 | 5,358.31 | 1/4 | 5,006.15 | 1/4 | 4,634.29 | 1/4 | 4,247.97 | 1/4 | 3,860.46 | 1/4 | 3,472.96 | 1/4 | 3,085.46 | 1/4 | 2,697.95 | 1/4 | 2,310.38 |
| 1/2 |       | 1/2 | 5,351.22 | 1/2 | 4,998.60 | 1/2 | 4,626.33 | 1/2 | 4,239.89 | 1/2 | 3,852.39 | 1/2 | 3,464.89 | 1/2 | 3,077.38 | 1/2 | 2,689.88 | 1/2 | 2,302.31 |
| 3/4 |       | 3/4 | 5,344.14 | 3/4 | 4,991.06 | 3/4 | 4,618.38 | 3/4 | 4,231.82 | 3/4 | 3,844.32 | 3/4 | 3,456.81 | 3/4 | 3,069.31 | 3/4 | 2,681.81 | 3/4 | 2,294.23 |
| 7   |       | 7   | 5,337.05 | 7   | 4,983.51 | 7   | 4,610.42 | 7   | 4,223.75 | 7   | 3,836.24 | 7   | 3,448.74 | 7   | 3,061.24 | 7   | 2,673.73 | 7   | 2,286.16 |
| 1/4 |       | 1/4 | 5,329.97 | 1/4 | 4,975.96 | 1/4 | 4,602.47 | 1/4 | 4,215.68 | 1/4 | 3,828.17 | 1/4 | 3,440.67 | 1/4 | 3,053.16 | 1/4 | 2,665.66 | 1/4 | 2,278.08 |
| 1/2 |       | 1/2 | 5,322.80 | 1/2 | 4,968.38 | 1/2 | 4,594.48 | 1/2 | 4,207.60 | 1/2 | 3,820.10 | 1/2 | 3,432.59 | 1/2 | 3,045.09 | 1/2 | 2,657.59 | 1/2 | 2,270.01 |
| 3/4 |       | 3/4 | 5,315.64 | 3/4 | 4,960.81 | 3/4 | 4,586.50 | 3/4 | 4,199.53 | 3/4 | 3,812.03 | 3/4 | 3,424.52 | 3/4 | 3,037.02 | 3/4 | 2,649.51 | 3/4 | 2,261.93 |
| 8   |       | 8   | 5,308.48 | 8   | 4,953.23 | 8   | 4,578.51 | 8   | 4,191.46 | 8   | 3,803.95 | 8   | 3,416.45 | 8   | 3,028.94 | 8   | 2,641.44 | 8   | 2,253.86 |
| 1/4 |       | 1/4 | 5,301.31 | 1/4 | 4,945.65 | 1/4 | 4,570.53 | 1/4 | 4,183.38 | 1/4 | 3,795.88 | 1/4 | 3,408.38 | 1/4 | 3,020.87 | 1/4 | 2,633.37 | 1/4 | 2,245.78 |
| 1/2 |       | 1/2 | 5,294.07 | 1/2 | 4,938.02 | 1/2 | 4,562.51 | 1/2 | 4,175.31 | 1/2 | 3,787.81 | 1/2 | 3,400.30 | 1/2 | 3,012.80 | 1/2 | 2,625.29 | 1/2 | 2,237.71 |
| 3/4 |       | 3/4 | 5,286.83 | 3/4 | 4,930.39 | 3/4 | 4,554.50 | 3/4 | 4,167.24 | 3/4 | 3,779.73 | 3/4 | 3,392.23 | 3/4 | 3,004.73 | 3/4 | 2,617.22 | 3/4 | 2,229.63 |
| 9   |       | 9   | 5,279.59 | 9   | 4,922.76 | 9   | 4,546.48 | 9   | 4,159.16 | 9   | 3,771.66 | 9   | 3,384.16 | 9   | 2,996.65 | 9   | 2,609.15 | 9   | 2,221.55 |
| 1/4 |       | 1/4 | 5,272.35 | 1/4 | 4,915.14 | 1/4 | 4,538.47 | 1/4 | 4,151.09 | 1/4 | 3,763.59 | 1/4 | 3,376.08 | 1/4 | 2,988.58 | 1/4 | 2,601.08 | 1/4 | 2,213.48 |
| 1/2 |       | 1/2 | 5,265.08 | 1/2 | 4,907.46 | 1/2 | 4,530.42 | 1/2 | 4,143.02 | 1/2 | 3,755.51 | 1/2 | 3,368.01 | 1/2 | 2,980.51 | 1/2 | 2,593.00 | 1/2 | 2,205.40 |
| 3/4 |       | 3/4 | 5,257.80 | 3/4 | 4,899.78 | 3/4 | 4,522.37 | 3/4 | 4,134.95 | 3/4 | 3,747.44 | 3/4 | 3,359.94 | 3/4 | 2,972.43 | 3/4 | 2,584.93 | 3/4 | 2,197.33 |
| 10  |       | 10  | 5,250.53 | 10  | 4,892.10 | 10  | 4,514.33 | 10  | 4,126.87 | 10  | 3,739.37 | 10  | 3,351.86 | 10  | 2,964.36 | 10  | 2,576.86 | 10  | 2,189.25 |
| 1/4 |       | 1/4 | 5,243.26 | 1/4 | 4,884.42 | 1/4 | 4,506.28 | 1/4 | 4,118.80 | 1/4 | 3,731.30 | 1/4 | 3,343.79 | 1/4 | 2,956.29 | 1/4 | 2,568.78 | 1/4 | 2,181.18 |
| 1/2 |       | 1/2 | 5,235.96 | 1/2 | 4,876.71 | 1/2 | 4,498.21 | 1/2 | 4,110.73 | 1/2 | 3,723.22 | 1/2 | 3,335.72 | 1/2 | 2,948.21 | 1/2 | 2,560.71 | 1/2 | 2,173.10 |
| 3/4 |       | 3/4 | 5,228.66 | 3/4 | 4,869.00 | 3/4 | 4,490.15 | 3/4 | 4,102.65 | 3/4 | 3,715.15 | 3/4 | 3,327.65 | 3/4 | 2,940.14 | 3/4 | 2,552.64 | 3/4 | 2,165.03 |
| 11  |       | 11  | 5,221.35 | 11  | 4,861.29 | 11  | 4,482.08 | 11  | 4,094.58 | 11  | 3,707.08 | 11  | 3,319.57 | 11  | 2,932.07 | 11  | 2,544.56 | 11  | 2,156.95 |
| 1/4 |       | 1/4 | 5,214.05 | 1/4 | 4,853.58 | 1/4 | 4,474.01 | 1/4 | 4,086.51 | 1/4 | 3,699.00 | 1/4 | 3,311.50 | 1/4 | 2,924.00 | 1/4 | 2,536.49 | 1/4 | 2,148.88 |
| 1/2 |       | 1/2 | 5,206.72 | 1/2 | 4,845.84 | 1/2 | 4,465.94 | 1/2 | 4,078.43 | 1/2 | 3,690.93 | 1/2 | 3,303.43 | 1/2 | 2,915.92 | 1/2 | 2,528.42 | 1/2 | 2,140.80 |
| 3/4 |       | 3/4 | 5,199.38 | 3/4 | 4,838.10 | 3/4 | 4,457.87 | 3/4 | 4,070.36 | 3/4 | 3,682.86 | 3/4 | 3,295.35 | 3/4 | 2,907.85 | 3/4 | 2,520.34 | 3/4 | 2,132.73 |

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 50'-06" 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 103"

2 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 15'-06 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   | 2,124.65 | 0   | 1,737.04 | 0   | 1,349.42 | 0   | 963.37 | 0   | 589.88 | 0   | 202.28 | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 2,116.58 | 1/4 | 1,728.96 | 1/4 | 1,341.35 | 1/4 | 955.60 | 1/4 | 581.81 | 1/4 | 194.21 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,108.50 | 1/2 | 1,720.89 | 1/2 | 1,333.27 | 1/2 | 947.84 | 1/2 | 573.73 | 1/2 | 186.13 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,100.43 | 3/4 | 1,712.81 | 3/4 | 1,325.20 | 3/4 | 940.08 | 3/4 | 565.66 | 3/4 | 178.06 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 2,092.35 | 1   | 1,704.74 | 1   | 1,317.12 | 1   | 932.31 | 1   | 557.58 | 1   | 169.98 | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 2,084.27 | 1/4 | 1,696.66 | 1/4 | 1,309.05 | 1/4 | 924.55 | 1/4 | 549.51 | 1/4 | 161.91 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,076.20 | 1/2 | 1,688.58 | 1/2 | 1,300.97 | 1/2 | 916.79 | 1/2 | 541.43 | 1/2 | 153.83 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,068.12 | 3/4 | 1,680.51 | 3/4 | 1,292.90 | 3/4 | 909.02 | 3/4 | 533.36 | 3/4 | 145.76 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 2,060.05 | 2   | 1,672.43 | 2   | 1,284.82 | 2   | 901.26 | 2   | 525.28 | 2   | 137.68 | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 2,051.97 | 1/4 | 1,664.36 | 1/4 | 1,276.74 | 1/4 | 893.50 | 1/4 | 517.21 | 1/4 | 129.61 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,043.90 | 1/2 | 1,656.28 | 1/2 | 1,268.67 | 1/2 | 885.74 | 1/2 | 509.13 | 1/2 | 121.53 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,035.82 | 3/4 | 1,648.21 | 3/4 | 1,260.59 | 3/4 | 877.99 | 3/4 | 501.06 | 3/4 | 113.46 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 2,027.75 | 3   | 1,640.13 | 3   | 1,252.52 | 3   | 870.24 | 3   | 492.98 | 3   | 105.38 | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 2,019.67 | 1/4 | 1,632.06 | 1/4 | 1,244.44 | 1/4 | 862.49 | 1/4 | 484.91 | 1/4 | 97.31  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,011.60 | 1/2 | 1,623.98 | 1/2 | 1,236.37 | 1/2 | 854.75 | 1/2 | 476.83 | 1/2 | 89.23  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,003.52 | 3/4 | 1,615.91 | 3/4 | 1,228.29 | 3/4 | 847.01 | 3/4 | 468.76 | 3/4 | 81.16  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 1,995.45 | 4   | 1,607.83 | 4   | 1,220.22 | 4   | 839.26 | 4   | 460.68 | 4   | 73.08  | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 1,987.37 | 1/4 | 1,599.76 | 1/4 | 1,212.14 | 1/4 | 831.52 | 1/4 | 452.61 | 1/4 | 65.01  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,979.30 | 1/2 | 1,591.68 | 1/2 | 1,204.07 | 1/2 | 823.78 | 1/2 | 444.53 | 1/2 | 57.61  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,971.22 | 3/4 | 1,583.61 | 3/4 | 1,195.99 | 3/4 | 816.04 | 3/4 | 436.46 | 3/4 | 50.21  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 1,963.15 | 5   | 1,575.53 | 5   | 1,187.92 | 5   | 808.30 | 5   | 428.38 | 5   | 42.80  | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 1,955.07 | 1/4 | 1,567.46 | 1/4 | 1,179.84 | 1/4 | 800.56 | 1/4 | 420.31 | 1/4 | 35.40  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,946.99 | 1/2 | 1,559.38 | 1/2 | 1,171.77 | 1/2 | 792.82 | 1/2 | 412.23 | 1/2 | 30.02  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,938.92 | 3/4 | 1,551.30 | 3/4 | 1,163.69 | 3/4 | 785.08 | 3/4 | 404.16 | 3/4 | 24.63  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 1,930.84 | 6   | 1,543.23 | 6   | 1,155.62 | 6   | 777.34 | 6   | 396.08 | 6   | 19.25  | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 1,922.77 | 1/4 | 1,535.15 | 1/4 | 1,147.54 | 1/4 | 769.60 | 1/4 | 388.01 | 1/4 | 13.87  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,914.69 | 1/2 | 1,527.08 | 1/2 | 1,139.46 | 1/2 | 761.86 | 1/2 | 379.93 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,906.62 | 3/4 | 1,519.00 | 3/4 | 1,131.39 | 3/4 | 754.12 | 3/4 | 371.86 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 1,898.54 | 7   | 1,510.93 | 7   | 1,123.31 | 7   | 746.38 | 7   | 363.78 | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 1,890.47 | 1/4 | 1,502.85 | 1/4 | 1,115.24 | 1/4 | 738.63 | 1/4 | 355.71 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,882.39 | 1/2 | 1,494.78 | 1/2 | 1,107.16 | 1/2 | 730.89 | 1/2 | 347.63 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,874.32 | 3/4 | 1,486.70 | 3/4 | 1,099.09 | 3/4 | 723.15 | 3/4 | 339.56 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 1,866.24 | 8   | 1,478.63 | 8   | 1,091.01 | 8   | 715.41 | 8   | 331.48 | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 1,858.17 | 1/4 | 1,470.55 | 1/4 | 1,082.94 | 1/4 | 707.67 | 1/4 | 323.41 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,850.09 | 1/2 | 1,462.48 | 1/2 | 1,074.86 | 1/2 | 699.93 | 1/2 | 315.33 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,842.02 | 3/4 | 1,454.40 | 3/4 | 1,066.79 | 3/4 | 692.19 | 3/4 | 307.26 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 1,833.94 | 9   | 1,446.33 | 9   | 1,058.71 | 9   | 684.45 | 9   | 299.18 | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 1,825.86 | 1/4 | 1,438.25 | 1/4 | 1,050.64 | 1/4 | 676.71 | 1/4 | 291.11 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,817.79 | 1/2 | 1,430.18 | 1/2 | 1,042.56 | 1/2 | 668.97 | 1/2 | 283.03 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,809.71 | 3/4 | 1,422.10 | 3/4 | 1,034.49 | 3/4 | 661.23 | 3/4 | 274.96 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 1,801.64 | 10  | 1,414.02 | 10  | 1,026.41 | 10  | 653.49 | 10  | 266.88 | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 1,793.56 | 1/4 | 1,405.95 | 1/4 | 1,018.33 | 1/4 | 645.74 | 1/4 | 258.81 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,785.49 | 1/2 | 1,397.87 | 1/2 | 1,010.42 | 1/2 | 637.84 | 1/2 | 250.73 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,777.41 | 3/4 | 1,389.80 | 3/4 | 1,002.50 | 3/4 | 629.93 | 3/4 | 242.66 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 1,769.34 | 11  | 1,381.72 | 11  | 994.58   | 11  | 622.02 | 11  | 234.58 | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 1,761.26 | 1/4 | 1,373.65 | 1/4 | 986.66   | 1/4 | 614.11 | 1/4 | 226.51 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,753.19 | 1/2 | 1,365.57 | 1/2 | 978.89   | 1/2 | 606.03 | 1/2 | 218.43 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,745.11 | 3/4 | 1,357.50 | 3/4 | 971.13   | 3/4 | 597.96 | 3/4 | 210.36 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/02/2020 CL  
CALCULATED: 11/02/2020 CL  
PRINTED: 11/02/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2020

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "TMTB 103"

## 3 PORT ULLAGE TABLE

### HERMETIC GAUGE HEIGHT 15'-06 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

| IN  | 0 FT. | IN  | 1 FT.    | IN  | 2 FT.    | IN  | 3 FT.    | IN  | 4 FT.    | IN  | 5 FT.    | IN  | 6 FT.    | IN  | 7 FT.    | IN  | 8 FT.    | IN  | 9 FT.    |
|-----|-------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| 0   |       | 0   |          | 0   | 4,532.56 | 0   | 4,284.66 | 0   | 4,022.39 | 0   | 3,755.34 | 0   | 3,438.99 | 0   | 3,077.93 | 0   | 2,717.00 | 0   | 2,356.06 |
| 1/4 |       | 1/4 | 4,765.54 | 1/4 | 4,527.55 | 1/4 | 4,279.33 | 1/4 | 4,016.83 | 1/4 | 3,749.78 | 1/4 | 3,431.45 | 1/4 | 3,070.41 | 1/4 | 2,709.48 | 1/4 | 2,348.54 |
| 1/2 |       | 1/2 | 4,761.62 | 1/2 | 4,522.51 | 1/2 | 4,273.97 | 1/2 | 4,011.27 | 1/2 | 3,744.21 | 1/2 | 3,423.92 | 1/2 | 3,062.90 | 1/2 | 2,701.96 | 1/2 | 2,341.02 |
| 3/4 |       | 3/4 | 4,757.69 | 3/4 | 4,517.48 | 3/4 | 4,268.62 | 3/4 | 4,005.70 | 3/4 | 3,738.65 | 3/4 | 3,416.38 | 3/4 | 3,055.38 | 3/4 | 2,694.44 | 3/4 | 2,333.50 |
| 1   |       | 1   | 4,753.76 | 1   | 4,512.44 | 1   | 4,263.26 | 1   | 4,000.14 | 1   | 3,733.09 | 1   | 3,408.84 | 1   | 3,047.86 | 1   | 2,686.92 | 1   | 2,325.98 |
| 1/4 |       | 1/4 | 4,749.83 | 1/4 | 4,507.40 | 1/4 | 4,257.91 | 1/4 | 3,994.57 | 1/4 | 3,727.52 | 1/4 | 3,401.31 | 1/4 | 3,040.34 | 1/4 | 2,679.40 | 1/4 | 2,318.46 |
| 1/2 |       | 1/2 | 4,744.77 | 1/2 | 4,502.35 | 1/2 | 4,252.53 | 1/2 | 3,989.01 | 1/2 | 3,721.96 | 1/2 | 3,393.78 | 1/2 | 3,032.82 | 1/2 | 2,671.88 | 1/2 | 2,310.95 |
| 3/4 |       | 3/4 | 4,739.71 | 3/4 | 4,497.29 | 3/4 | 4,247.16 | 3/4 | 3,983.45 | 3/4 | 3,716.39 | 3/4 | 3,386.25 | 3/4 | 3,025.30 | 3/4 | 2,664.36 | 3/4 | 2,303.43 |
| 2   |       | 2   | 4,734.65 | 2   | 4,492.23 | 2   | 4,241.78 | 2   | 3,977.88 | 2   | 3,710.83 | 2   | 3,378.72 | 2   | 3,017.78 | 2   | 2,656.84 | 2   | 2,295.91 |
| 1/4 |       | 1/4 | 4,729.59 | 1/4 | 4,487.18 | 1/4 | 4,236.40 | 1/4 | 3,972.32 | 1/4 | 3,705.27 | 1/4 | 3,371.19 | 1/4 | 3,010.26 | 1/4 | 2,649.32 | 1/4 | 2,288.39 |
| 1/2 |       | 1/2 | 4,724.15 | 1/2 | 4,482.10 | 1/2 | 4,231.01 | 1/2 | 3,966.76 | 1/2 | 3,699.70 | 1/2 | 3,363.68 | 1/2 | 3,002.74 | 1/2 | 2,641.80 | 1/2 | 2,280.87 |
| 3/4 |       | 3/4 | 4,718.71 | 3/4 | 4,477.02 | 3/4 | 4,225.61 | 3/4 | 3,961.19 | 3/4 | 3,694.14 | 3/4 | 3,356.16 | 3/4 | 2,995.22 | 3/4 | 2,634.28 | 3/4 | 2,273.35 |
| 3   |       | 3   | 4,713.27 | 3   | 4,471.94 | 3   | 4,220.21 | 3   | 3,955.63 | 3   | 3,688.58 | 3   | 3,348.64 | 3   | 2,987.70 | 3   | 2,626.76 | 3   | 2,265.83 |
| 1/4 |       | 1/4 | 4,707.84 | 1/4 | 4,466.86 | 1/4 | 4,214.81 | 1/4 | 3,950.07 | 1/4 | 3,683.01 | 1/4 | 3,341.12 | 1/4 | 2,980.18 | 1/4 | 2,619.24 | 1/4 | 2,258.31 |
| 1/2 |       | 1/2 | 4,702.40 | 1/2 | 4,461.76 | 1/2 | 4,209.40 | 1/2 | 3,944.50 | 1/2 | 3,677.45 | 1/2 | 3,333.60 | 1/2 | 2,972.66 | 1/2 | 2,611.73 | 1/2 | 2,250.78 |
| 3/4 |       | 3/4 | 4,696.96 | 3/4 | 4,456.66 | 3/4 | 4,203.98 | 3/4 | 3,938.94 | 3/4 | 3,671.89 | 3/4 | 3,326.08 | 3/4 | 2,965.14 | 3/4 | 2,604.21 | 3/4 | 2,243.26 |
| 4   |       | 4   | 4,691.52 | 4   | 4,451.57 | 4   | 4,198.56 | 4   | 3,933.38 | 4   | 3,666.32 | 4   | 3,318.56 | 4   | 2,957.62 | 4   | 2,596.69 | 4   | 2,235.73 |
| 1/4 |       | 1/4 | 4,686.09 | 1/4 | 4,446.47 | 1/4 | 4,193.14 | 1/4 | 3,927.81 | 1/4 | 3,660.76 | 1/4 | 3,311.04 | 1/4 | 2,950.10 | 1/4 | 2,589.17 | 1/4 | 2,228.21 |
| 1/2 |       | 1/2 | 4,680.96 | 1/2 | 4,441.35 | 1/2 | 4,187.70 | 1/2 | 3,922.25 | 1/2 | 3,655.20 | 1/2 | 3,303.52 | 1/2 | 2,942.58 | 1/2 | 2,581.65 | 1/2 | 2,220.68 |
| 3/4 |       | 3/4 | 4,675.83 | 3/4 | 4,436.22 | 3/4 | 4,182.26 | 3/4 | 3,916.68 | 3/4 | 3,649.63 | 3/4 | 3,296.00 | 3/4 | 2,935.06 | 3/4 | 2,574.13 | 3/4 | 2,213.15 |
| 5   |       | 5   | 4,670.71 | 5   | 4,431.10 | 5   | 4,176.82 | 5   | 3,911.12 | 5   | 3,644.07 | 5   | 3,288.48 | 5   | 2,927.54 | 5   | 2,566.61 | 5   | 2,205.63 |
| 1/4 |       | 1/4 | 4,665.58 | 1/4 | 4,425.98 | 1/4 | 4,171.38 | 1/4 | 3,905.56 | 1/4 | 3,638.50 | 1/4 | 3,280.96 | 1/4 | 2,920.02 | 1/4 | 2,559.09 | 1/4 | 2,198.10 |
| 1/2 |       | 1/2 | 4,660.75 | 1/2 | 4,420.84 | 1/2 | 4,165.92 | 1/2 | 3,899.99 | 1/2 | 3,632.94 | 1/2 | 3,273.44 | 1/2 | 2,912.51 | 1/2 | 2,551.57 | 1/2 | 2,190.57 |
| 3/4 |       | 3/4 | 4,655.93 | 3/4 | 4,415.70 | 3/4 | 4,160.46 | 3/4 | 3,894.43 | 3/4 | 3,627.38 | 3/4 | 3,265.92 | 3/4 | 2,904.99 | 3/4 | 2,544.05 | 3/4 | 2,183.05 |
| 6   |       | 6   | 4,651.10 | 6   | 4,410.56 | 6   | 4,155.00 | 6   | 3,888.87 | 6   | 3,619.84 | 6   | 3,258.40 | 6   | 2,897.47 | 6   | 2,536.53 | 6   | 2,175.52 |
| 1/4 |       | 1/4 | 4,646.27 | 1/4 | 4,405.42 | 1/4 | 4,149.54 | 1/4 | 3,883.30 | 1/4 | 3,612.31 | 1/4 | 3,250.88 | 1/4 | 2,889.95 | 1/4 | 2,529.01 | 1/4 | 2,167.99 |
| 1/2 |       | 1/2 | 4,641.42 | 1/2 | 4,400.25 | 1/2 | 4,144.06 | 1/2 | 3,877.74 | 1/2 | 3,604.77 | 1/2 | 3,243.36 | 1/2 | 2,882.43 | 1/2 | 2,521.49 | 1/2 | 2,160.47 |
| 3/4 |       | 3/4 | 4,636.57 | 3/4 | 4,395.09 | 3/4 | 4,138.58 | 3/4 | 3,872.18 | 3/4 | 3,597.23 | 3/4 | 3,235.84 | 3/4 | 2,874.91 | 3/4 | 2,513.97 | 3/4 | 2,152.94 |
| 7   |       | 7   | 4,631.73 | 7   | 4,389.93 | 7   | 4,133.09 | 7   | 3,866.61 | 7   | 3,589.70 | 7   | 3,228.32 | 7   | 2,867.39 | 7   | 2,506.45 | 7   | 2,145.41 |
| 1/4 |       | 1/4 | 4,626.88 | 1/4 | 4,384.77 | 1/4 | 4,127.61 | 1/4 | 3,861.05 | 1/4 | 3,582.16 | 1/4 | 3,220.80 | 1/4 | 2,859.87 | 1/4 | 2,498.93 | 1/4 | 2,137.89 |
| 1/2 |       | 1/2 | 4,621.98 | 1/2 | 4,379.58 | 1/2 | 4,122.11 | 1/2 | 3,855.48 | 1/2 | 3,574.63 | 1/2 | 3,213.29 | 1/2 | 2,852.35 | 1/2 | 2,491.41 | 1/2 | 2,130.36 |
| 3/4 |       | 3/4 | 4,617.08 | 3/4 | 4,374.40 | 3/4 | 4,116.61 | 3/4 | 3,849.92 | 3/4 | 3,567.09 | 3/4 | 3,205.77 | 3/4 | 2,844.83 | 3/4 | 2,483.89 | 3/4 | 2,122.83 |
| 8   |       | 8   | 4,612.18 | 8   | 4,369.21 | 8   | 4,111.10 | 8   | 3,844.36 | 8   | 3,559.56 | 8   | 3,198.25 | 8   | 2,837.31 | 8   | 2,476.37 | 8   | 2,115.31 |
| 1/4 |       | 1/4 | 4,607.28 | 1/4 | 4,364.03 | 1/4 | 4,105.60 | 1/4 | 3,838.79 | 1/4 | 3,552.02 | 1/4 | 3,190.73 | 1/4 | 2,829.79 | 1/4 | 2,468.85 | 1/4 | 2,107.78 |
| 1/2 |       | 1/2 | 4,602.33 | 1/2 | 4,358.79 | 1/2 | 4,100.08 | 1/2 | 3,833.23 | 1/2 | 3,544.49 | 1/2 | 3,183.21 | 1/2 | 2,822.27 | 1/2 | 2,461.34 | 1/2 | 2,100.25 |
| 3/4 |       | 3/4 | 4,597.38 | 3/4 | 4,353.56 | 3/4 | 4,094.55 | 3/4 | 3,827.67 | 3/4 | 3,536.95 | 3/4 | 3,175.69 | 3/4 | 2,814.75 | 3/4 | 2,453.82 | 3/4 | 2,092.73 |
| 9   |       | 9   | 4,592.43 | 9   | 4,348.32 | 9   | 4,089.03 | 9   | 3,822.10 | 9   | 3,529.41 | 9   | 3,168.17 | 9   | 2,807.23 | 9   | 2,446.30 | 9   | 2,085.20 |
| 1/4 |       | 1/4 | 4,587.47 | 1/4 | 4,343.08 | 1/4 | 4,083.51 | 1/4 | 3,816.54 | 1/4 | 3,521.88 | 1/4 | 3,160.65 | 1/4 | 2,799.71 | 1/4 | 2,438.78 | 1/4 | 2,077.67 |
| 1/2 |       | 1/2 | 4,582.50 | 1/2 | 4,337.79 | 1/2 | 4,077.96 | 1/2 | 3,810.98 | 1/2 | 3,514.34 | 1/2 | 3,153.13 | 1/2 | 2,792.19 | 1/2 | 2,431.26 | 1/2 | 2,070.15 |
| 3/4 |       | 3/4 | 4,577.53 | 3/4 | 4,332.50 | 3/4 | 4,072.42 | 3/4 | 3,805.41 | 3/4 | 3,506.81 | 3/4 | 3,145.61 | 3/4 | 2,784.67 | 3/4 | 2,423.74 | 3/4 | 2,062.62 |
| 10  |       | 10  | 4,572.56 | 10  | 4,327.20 | 10  | 4,066.87 | 10  | 3,799.85 | 10  | 3,499.27 | 10  | 3,138.09 | 10  | 2,777.15 | 10  | 2,416.22 | 10  | 2,055.09 |
| 1/4 |       | 1/4 | 4,567.58 | 1/4 | 4,321.91 | 1/4 | 4,061.33 | 1/4 | 3,794.29 | 1/4 | 3,491.74 | 1/4 | 3,130.57 | 1/4 | 2,769.63 | 1/4 | 2,408.70 | 1/4 | 2,047.57 |
| 1/2 |       | 1/2 | 4,562.59 | 1/2 | 4,316.60 | 1/2 | 4,055.76 | 1/2 | 3,788.72 | 1/2 | 3,484.20 | 1/2 | 3,123.05 | 1/2 | 2,762.12 | 1/2 | 2,401.18 | 1/2 | 2,040.04 |
| 3/4 |       | 3/4 | 4,557.60 | 3/4 | 4,311.29 | 3/4 | 4,050.20 | 3/4 | 3,783.16 | 3/4 | 3,476.67 | 3/4 | 3,115.53 | 3/4 | 2,754.60 | 3/4 | 2,393.66 | 3/4 | 2,032.51 |
| 11  |       | 11  | 4,552.60 | 11  | 4,305.98 | 11  | 4,044.64 | 11  | 3,777.59 | 11  | 3,469.13 | 11  | 3,108.01 | 11  | 2,747.08 | 11  | 2,386.14 | 11  | 2,024.99 |
| 1/4 |       | 1/4 | 4,547.61 | 1/4 | 4,300.66 | 1/4 | 4,039.08 | 1/4 | 3,772.03 | 1/4 | 3,461.59 | 1/4 | 3,100.49 | 1/4 | 2,739.56 | 1/4 | 2,378.62 | 1/4 | 2,017.46 |
| 1/2 |       | 1/2 | 4,542.59 | 1/2 | 4,295.33 | 1/2 | 4,033.52 | 1/2 | 3,766.47 | 1/2 | 3,454.06 | 1/2 | 3,092.97 | 1/2 | 2,732.04 | 1/2 | 2,371.10 | 1/2 | 2,009.93 |
| 3/4 |       | 3/4 | 4,537.58 | 3/4 | 4,290.00 | 3/4 | 4,027.96 | 3/4 | 3,760.90 | 3/4 | 3,446.52 | 3/4 | 3,085.45 | 3/4 | 2,724.52 | 3/4 | 2,363.58 | 3/4 | 2,002.40 |

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 45'-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 103"

## 3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06 1/4"

| IN  | 10 FT.   | IN  | 11 FT.   | IN  | 12 FT.   | IN  | 13 FT. | IN  | 14 FT. | IN  | 15 FT. | IN  | 16 FT. | IN  | 17 FT. | IN  | 18 FT. | IN  | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0   | 1,994.88 | 0   | 1,633.60 | 0   | 1,272.25 | 0   | 911.45 | 0   | 550.49 | 0   | 188.79 | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 1,987.35 | 1/4 | 1,626.07 | 1/4 | 1,264.71 | 1/4 | 903.93 | 1/4 | 542.95 | 1/4 | 181.26 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,979.82 | 1/2 | 1,618.54 | 1/2 | 1,257.18 | 1/2 | 896.40 | 1/2 | 535.42 | 1/2 | 173.72 | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,972.30 | 3/4 | 1,611.02 | 3/4 | 1,249.65 | 3/4 | 888.86 | 3/4 | 527.88 | 3/4 | 166.19 | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 1   | 1,964.77 | 1   | 1,603.49 | 1   | 1,242.11 | 1   | 881.33 | 1   | 520.35 | 1   | 158.65 | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 1,957.24 | 1/4 | 1,595.96 | 1/4 | 1,234.58 | 1/4 | 873.79 | 1/4 | 512.81 | 1/4 | 151.12 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,949.72 | 1/2 | 1,588.44 | 1/2 | 1,227.04 | 1/2 | 866.26 | 1/2 | 505.28 | 1/2 | 143.58 | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,942.19 | 3/4 | 1,580.91 | 3/4 | 1,219.51 | 3/4 | 858.72 | 3/4 | 497.74 | 3/4 | 136.05 | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 2   | 1,934.66 | 2   | 1,573.38 | 2   | 1,211.98 | 2   | 851.18 | 2   | 490.21 | 2   | 128.51 | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 1,927.14 | 1/4 | 1,565.86 | 1/4 | 1,204.44 | 1/4 | 843.65 | 1/4 | 482.67 | 1/4 | 120.98 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,919.61 | 1/2 | 1,558.33 | 1/2 | 1,196.91 | 1/2 | 836.12 | 1/2 | 475.14 | 1/2 | 113.44 | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,912.08 | 3/4 | 1,550.80 | 3/4 | 1,189.37 | 3/4 | 828.60 | 3/4 | 467.60 | 3/4 | 105.90 | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 3   | 1,904.56 | 3   | 1,543.28 | 3   | 1,181.84 | 3   | 821.08 | 3   | 460.07 | 3   | 98.37  | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 1,897.03 | 1/4 | 1,535.75 | 1/4 | 1,174.31 | 1/4 | 813.55 | 1/4 | 452.53 | 1/4 | 90.83  | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,889.50 | 1/2 | 1,528.22 | 1/2 | 1,166.79 | 1/2 | 806.04 | 1/2 | 444.99 | 1/2 | 83.30  | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,881.98 | 3/4 | 1,520.70 | 3/4 | 1,159.26 | 3/4 | 798.53 | 3/4 | 437.46 | 3/4 | 75.76  | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 4   | 1,874.45 | 4   | 1,513.17 | 4   | 1,151.74 | 4   | 791.01 | 4   | 429.92 | 4   | 68.23  | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 1,866.92 | 1/4 | 1,505.64 | 1/4 | 1,144.22 | 1/4 | 783.50 | 1/4 | 422.39 | 1/4 | 60.69  | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,859.40 | 1/2 | 1,498.12 | 1/2 | 1,136.72 | 1/2 | 775.99 | 1/2 | 414.85 | 1/2 | 53.79  | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,851.87 | 3/4 | 1,490.59 | 3/4 | 1,129.21 | 3/4 | 768.48 | 3/4 | 407.32 | 3/4 | 46.88  | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 5   | 1,844.34 | 5   | 1,483.06 | 5   | 1,121.70 | 5   | 760.96 | 5   | 399.78 | 5   | 39.97  | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 1,836.82 | 1/4 | 1,475.54 | 1/4 | 1,114.19 | 1/4 | 753.45 | 1/4 | 392.25 | 1/4 | 33.06  | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,829.29 | 1/2 | 1,468.01 | 1/2 | 1,106.69 | 1/2 | 745.94 | 1/2 | 384.71 | 1/2 | 28.04  | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,821.76 | 3/4 | 1,460.48 | 3/4 | 1,099.18 | 3/4 | 738.42 | 3/4 | 377.18 | 3/4 | 23.02  | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 6   | 1,814.24 | 6   | 1,452.96 | 6   | 1,091.67 | 6   | 730.91 | 6   | 369.64 | 6   | 17.99  | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 1,806.71 | 1/4 | 1,445.43 | 1/4 | 1,084.17 | 1/4 | 723.40 | 1/4 | 362.11 | 1/4 | 12.97  | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,799.18 | 1/2 | 1,437.90 | 1/2 | 1,076.66 | 1/2 | 715.89 | 1/2 | 354.57 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,791.66 | 3/4 | 1,430.38 | 3/4 | 1,069.15 | 3/4 | 708.37 | 3/4 | 347.04 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 7   | 1,784.13 | 7   | 1,422.85 | 7   | 1,061.64 | 7   | 700.86 | 7   | 339.50 | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 1,776.60 | 1/4 | 1,415.32 | 1/4 | 1,054.14 | 1/4 | 693.35 | 1/4 | 331.97 | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,769.08 | 1/2 | 1,407.80 | 1/2 | 1,046.63 | 1/2 | 685.83 | 1/2 | 323.44 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,761.55 | 3/4 | 1,400.27 | 3/4 | 1,039.12 | 3/4 | 678.32 | 3/4 | 314.92 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 8   | 1,754.02 | 8   | 1,392.74 | 8   | 1,031.61 | 8   | 670.81 | 8   | 308.37 | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 1,746.50 | 1/4 | 1,385.22 | 1/4 | 1,024.11 | 1/4 | 663.29 | 1/4 | 301.82 | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,738.97 | 1/2 | 1,377.69 | 1/2 | 1,016.60 | 1/2 | 655.78 | 1/2 | 294.29 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,731.44 | 3/4 | 1,370.16 | 3/4 | 1,009.09 | 3/4 | 648.27 | 3/4 | 286.75 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 9   | 1,723.92 | 9   | 1,362.64 | 9   | 1,001.58 | 9   | 640.76 | 9   | 279.22 | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 1,716.39 | 1/4 | 1,355.11 | 1/4 | 994.08   | 1/4 | 633.24 | 1/4 | 271.68 | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,708.86 | 1/2 | 1,347.58 | 1/2 | 986.57   | 1/2 | 625.73 | 1/2 | 264.15 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,701.34 | 3/4 | 1,340.05 | 3/4 | 979.06   | 3/4 | 618.22 | 3/4 | 256.61 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 10  | 1,693.81 | 10  | 1,332.52 | 10  | 971.56   | 10  | 610.70 | 10  | 249.08 | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 1,686.28 | 1/4 | 1,324.99 | 1/4 | 964.05   | 1/4 | 603.19 | 1/4 | 241.54 | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,678.76 | 1/2 | 1,317.45 | 1/2 | 956.54   | 1/2 | 595.67 | 1/2 | 234.01 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,671.23 | 3/4 | 1,309.92 | 3/4 | 949.03   | 3/4 | 588.14 | 3/4 | 226.47 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 11  | 1,663.70 | 11  | 1,302.38 | 11  | 941.53   | 11  | 580.62 | 11  | 218.93 | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 1,656.18 | 1/4 | 1,294.85 | 1/4 | 934.02   | 1/4 | 573.09 | 1/4 | 211.40 | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,648.65 | 1/2 | 1,287.32 | 1/2 | 926.50   | 1/2 | 565.56 | 1/2 | 203.86 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,641.12 | 3/4 | 1,279.78 | 3/4 | 918.98   | 3/4 | 558.02 | 3/4 | 196.33 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/02/2020 CL  
CALCULATED: 11/02/2020 CL  
PRINTED: 11/02/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2020

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "TMTB 103"

## 3 STBD ULLAGE TABLE

### HERMETIC GAUGE HEIGHT 15'-06 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

| IN  | 0 FT. | IN  | 1 FT.    | IN  | 2 FT.    | IN  | 3 FT.    | IN  | 4 FT.    | IN  | 5 FT.    | IN  | 6 FT.    | IN  | 7 FT.    | IN  | 8 FT.    | IN  | 9 FT.    |
|-----|-------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| 0   |       | 0   |          | 0   | 4,510.40 | 0   | 4,262.41 | 0   | 4,000.10 | 0   | 3,733.02 | 0   | 3,416.85 | 0   | 3,056.34 | 0   | 2,695.89 | 0   | 2,335.48 |
| 1/4 |       | 1/4 | 4,743.49 | 1/4 | 4,505.38 | 1/4 | 4,257.08 | 1/4 | 3,994.54 | 1/4 | 3,727.46 | 1/4 | 3,409.33 | 1/4 | 3,048.83 | 1/4 | 2,688.38 | 1/4 | 2,327.97 |
| 1/2 |       | 1/2 | 4,739.55 | 1/2 | 4,500.34 | 1/2 | 4,251.72 | 1/2 | 3,988.97 | 1/2 | 3,721.89 | 1/2 | 3,401.81 | 1/2 | 3,041.32 | 1/2 | 2,680.87 | 1/2 | 2,320.45 |
| 3/4 |       | 3/4 | 4,735.62 | 3/4 | 4,495.31 | 3/4 | 4,246.36 | 3/4 | 3,983.41 | 3/4 | 3,716.33 | 3/4 | 3,394.30 | 3/4 | 3,033.81 | 3/4 | 2,673.36 | 3/4 | 2,312.94 |
| 1   |       | 1   | 4,731.69 | 1   | 4,490.27 | 1   | 4,241.01 | 1   | 3,977.85 | 1   | 3,710.76 | 1   | 3,386.78 | 1   | 3,026.30 | 1   | 2,665.85 | 1   | 2,305.43 |
| 1/4 |       | 1/4 | 4,727.75 | 1/4 | 4,485.23 | 1/4 | 4,235.65 | 1/4 | 3,972.28 | 1/4 | 3,705.20 | 1/4 | 3,379.26 | 1/4 | 3,018.79 | 1/4 | 2,658.35 | 1/4 | 2,297.92 |
| 1/2 |       | 1/2 | 4,722.69 | 1/2 | 4,480.17 | 1/2 | 4,230.27 | 1/2 | 3,966.72 | 1/2 | 3,699.64 | 1/2 | 3,371.75 | 1/2 | 3,011.28 | 1/2 | 2,650.84 | 1/2 | 2,290.40 |
| 3/4 |       | 3/4 | 4,717.63 | 3/4 | 4,475.11 | 3/4 | 4,224.90 | 3/4 | 3,961.15 | 3/4 | 3,694.07 | 3/4 | 3,364.23 | 3/4 | 3,003.77 | 3/4 | 2,643.33 | 3/4 | 2,282.89 |
| 2   |       | 2   | 4,712.57 | 2   | 4,470.05 | 2   | 4,219.52 | 2   | 3,955.59 | 2   | 3,688.51 | 2   | 3,356.72 | 2   | 2,996.26 | 2   | 2,635.82 | 2   | 2,275.38 |
| 1/4 |       | 1/4 | 4,707.50 | 1/4 | 4,464.99 | 1/4 | 4,214.14 | 1/4 | 3,950.02 | 1/4 | 3,682.94 | 1/4 | 3,349.20 | 1/4 | 2,988.75 | 1/4 | 2,628.32 | 1/4 | 2,267.86 |
| 1/2 |       | 1/2 | 4,702.07 | 1/2 | 4,459.91 | 1/2 | 4,208.74 | 1/2 | 3,944.46 | 1/2 | 3,677.38 | 1/2 | 3,341.70 | 1/2 | 2,981.24 | 1/2 | 2,620.81 | 1/2 | 2,260.35 |
| 3/4 |       | 3/4 | 4,696.63 | 3/4 | 4,454.83 | 3/4 | 4,203.35 | 3/4 | 3,938.90 | 3/4 | 3,671.81 | 3/4 | 3,334.19 | 3/4 | 2,973.73 | 3/4 | 2,613.30 | 3/4 | 2,252.84 |
| 3   |       | 3   | 4,691.19 | 3   | 4,449.75 | 3   | 4,197.95 | 3   | 3,933.33 | 3   | 3,666.25 | 3   | 3,326.68 | 3   | 2,966.23 | 3   | 2,605.80 | 3   | 2,245.33 |
| 1/4 |       | 1/4 | 4,685.75 | 1/4 | 4,444.67 | 1/4 | 4,192.55 | 1/4 | 3,927.77 | 1/4 | 3,660.69 | 1/4 | 3,319.17 | 1/4 | 2,958.72 | 1/4 | 2,598.29 | 1/4 | 2,237.81 |
| 1/2 |       | 1/2 | 4,680.31 | 1/2 | 4,439.57 | 1/2 | 4,187.13 | 1/2 | 3,922.20 | 1/2 | 3,655.12 | 1/2 | 3,311.66 | 1/2 | 2,951.21 | 1/2 | 2,590.78 | 1/2 | 2,230.30 |
| 3/4 |       | 3/4 | 4,674.87 | 3/4 | 4,434.47 | 3/4 | 4,181.71 | 3/4 | 3,916.64 | 3/4 | 3,649.56 | 3/4 | 3,304.15 | 3/4 | 2,943.70 | 3/4 | 2,583.27 | 3/4 | 2,222.78 |
| 4   |       | 4   | 4,669.44 | 4   | 4,429.37 | 4   | 4,176.29 | 4   | 3,911.08 | 4   | 3,643.99 | 4   | 3,296.64 | 4   | 2,936.19 | 4   | 2,575.77 | 4   | 2,215.27 |
| 1/4 |       | 1/4 | 4,664.00 | 1/4 | 4,424.27 | 1/4 | 4,170.87 | 1/4 | 3,905.51 | 1/4 | 3,638.43 | 1/4 | 3,289.13 | 1/4 | 2,928.68 | 1/4 | 2,568.26 | 1/4 | 2,207.75 |
| 1/2 |       | 1/2 | 4,658.87 | 1/2 | 4,419.14 | 1/2 | 4,165.43 | 1/2 | 3,899.95 | 1/2 | 3,632.87 | 1/2 | 3,281.62 | 1/2 | 2,921.17 | 1/2 | 2,560.75 | 1/2 | 2,200.27 |
| 3/4 |       | 3/4 | 4,653.74 | 3/4 | 4,414.02 | 3/4 | 4,159.99 | 3/4 | 3,894.38 | 3/4 | 3,627.30 | 3/4 | 3,274.11 | 3/4 | 2,913.66 | 3/4 | 2,553.25 | 3/4 | 2,192.79 |
| 5   |       | 5   | 4,648.61 | 5   | 4,408.90 | 5   | 4,154.55 | 5   | 3,888.82 | 5   | 3,621.74 | 5   | 3,266.60 | 5   | 2,906.15 | 5   | 2,545.74 | 5   | 2,185.31 |
| 1/4 |       | 1/4 | 4,643.48 | 1/4 | 4,403.78 | 1/4 | 4,149.11 | 1/4 | 3,883.25 | 1/4 | 3,616.17 | 1/4 | 3,259.09 | 1/4 | 2,898.64 | 1/4 | 2,538.23 | 1/4 | 2,177.83 |
| 1/2 |       | 1/2 | 4,638.65 | 1/2 | 4,398.63 | 1/2 | 4,143.65 | 1/2 | 3,877.69 | 1/2 | 3,609.63 | 1/2 | 3,251.58 | 1/2 | 2,891.13 | 1/2 | 2,530.72 | 1/2 | 2,170.39 |
| 3/4 |       | 3/4 | 4,633.82 | 3/4 | 4,393.49 | 3/4 | 4,138.19 | 3/4 | 3,872.13 | 3/4 | 3,603.08 | 3/4 | 3,244.07 | 3/4 | 2,883.62 | 3/4 | 2,523.22 | 3/4 | 2,162.95 |
| 6   |       | 6   | 4,628.99 | 6   | 4,388.35 | 6   | 4,132.73 | 6   | 3,866.56 | 6   | 3,596.53 | 6   | 3,236.56 | 6   | 2,876.11 | 6   | 2,515.71 | 6   | 2,155.51 |
| 1/4 |       | 1/4 | 4,624.16 | 1/4 | 4,383.20 | 1/4 | 4,127.26 | 1/4 | 3,861.00 | 1/4 | 3,589.98 | 1/4 | 3,229.05 | 1/4 | 2,868.60 | 1/4 | 2,508.20 | 1/4 | 2,148.07 |
| 1/2 |       | 1/2 | 4,619.31 | 1/2 | 4,378.04 | 1/2 | 4,121.78 | 1/2 | 3,855.43 | 1/2 | 3,582.45 | 1/2 | 3,221.54 | 1/2 | 2,861.09 | 1/2 | 2,500.69 | 1/2 | 2,140.63 |
| 3/4 |       | 3/4 | 4,614.46 | 3/4 | 4,372.87 | 3/4 | 4,116.30 | 3/4 | 3,849.87 | 3/4 | 3,574.92 | 3/4 | 3,214.04 | 3/4 | 2,853.58 | 3/4 | 2,493.19 | 3/4 | 2,133.20 |
| 7   |       | 7   | 4,609.61 | 7   | 4,367.71 | 7   | 4,110.82 | 7   | 3,844.30 | 7   | 3,567.39 | 7   | 3,206.53 | 7   | 2,846.07 | 7   | 2,485.68 | 7   | 2,125.76 |
| 1/4 |       | 1/4 | 4,604.76 | 1/4 | 4,362.54 | 1/4 | 4,105.33 | 1/4 | 3,838.74 | 1/4 | 3,559.86 | 1/4 | 3,199.02 | 1/4 | 2,838.57 | 1/4 | 2,478.17 | 1/4 | 2,118.32 |
| 1/2 |       | 1/2 | 4,599.86 | 1/2 | 4,357.36 | 1/2 | 4,099.83 | 1/2 | 3,833.18 | 1/2 | 3,552.33 | 1/2 | 3,191.51 | 1/2 | 2,831.06 | 1/2 | 2,470.67 | 1/2 | 2,110.88 |
| 3/4 |       | 3/4 | 4,594.96 | 3/4 | 4,352.17 | 3/4 | 4,094.33 | 3/4 | 3,827.61 | 3/4 | 3,544.80 | 3/4 | 3,184.00 | 3/4 | 2,823.55 | 3/4 | 2,463.16 | 3/4 | 2,103.44 |
| 8   |       | 8   | 4,590.05 | 8   | 4,346.99 | 8   | 4,088.82 | 8   | 3,822.05 | 8   | 3,537.27 | 8   | 3,176.49 | 8   | 2,816.04 | 8   | 2,455.65 | 8   | 2,096.00 |
| 1/4 |       | 1/4 | 4,585.15 | 1/4 | 4,341.80 | 1/4 | 4,083.32 | 1/4 | 3,816.48 | 1/4 | 3,529.74 | 1/4 | 3,168.98 | 1/4 | 2,808.53 | 1/4 | 2,448.14 | 1/4 | 2,088.56 |
| 1/2 |       | 1/2 | 4,580.20 | 1/2 | 4,336.56 | 1/2 | 4,077.79 | 1/2 | 3,810.92 | 1/2 | 3,522.21 | 1/2 | 3,161.47 | 1/2 | 2,801.02 | 1/2 | 2,440.64 | 1/2 | 2,081.12 |
| 3/4 |       | 3/4 | 4,575.24 | 3/4 | 4,331.32 | 3/4 | 4,072.27 | 3/4 | 3,805.36 | 3/4 | 3,514.68 | 3/4 | 3,153.96 | 3/4 | 2,793.51 | 3/4 | 2,433.13 | 3/4 | 2,073.68 |
| 9   |       | 9   | 4,570.29 | 9   | 4,326.08 | 9   | 4,066.75 | 9   | 3,799.79 | 9   | 3,507.15 | 9   | 3,146.45 | 9   | 2,786.00 | 9   | 2,425.62 | 9   | 2,066.25 |
| 1/4 |       | 1/4 | 4,565.33 | 1/4 | 4,320.84 | 1/4 | 4,061.22 | 1/4 | 3,794.23 | 1/4 | 3,499.62 | 1/4 | 3,138.94 | 1/4 | 2,778.49 | 1/4 | 2,418.11 | 1/4 | 2,058.81 |
| 1/2 |       | 1/2 | 4,560.36 | 1/2 | 4,315.55 | 1/2 | 4,055.67 | 1/2 | 3,788.66 | 1/2 | 3,492.09 | 1/2 | 3,131.43 | 1/2 | 2,770.98 | 1/2 | 2,410.60 | 1/2 | 2,051.37 |
| 3/4 |       | 3/4 | 4,555.38 | 3/4 | 4,310.26 | 3/4 | 4,050.13 | 3/4 | 3,783.10 | 3/4 | 3,484.56 | 3/4 | 3,123.92 | 3/4 | 2,763.47 | 3/4 | 2,403.09 | 3/4 | 2,043.93 |
| 10  |       | 10  | 4,550.41 | 10  | 4,304.97 | 10  | 4,044.58 | 10  | 3,777.53 | 10  | 3,477.03 | 10  | 3,116.41 | 10  | 2,755.96 | 10  | 2,395.58 | 10  | 2,036.49 |
| 1/4 |       | 1/4 | 4,545.44 | 1/4 | 4,299.67 | 1/4 | 4,039.04 | 1/4 | 3,771.97 | 1/4 | 3,469.50 | 1/4 | 3,108.90 | 1/4 | 2,748.45 | 1/4 | 2,388.07 | 1/4 | 2,029.05 |
| 1/2 |       | 1/2 | 4,540.44 | 1/2 | 4,294.36 | 1/2 | 4,033.48 | 1/2 | 3,766.41 | 1/2 | 3,461.98 | 1/2 | 3,101.39 | 1/2 | 2,740.94 | 1/2 | 2,380.55 | 1/2 | 2,021.61 |
| 3/4 |       | 3/4 | 4,535.44 | 3/4 | 4,289.04 | 3/4 | 4,027.92 | 3/4 | 3,760.84 | 3/4 | 3,454.45 | 3/4 | 3,093.89 | 3/4 | 2,733.43 | 3/4 | 2,373.04 | 3/4 | 2,014.17 |
| 11  |       | 11  | 4,530.45 | 11  | 4,283.73 | 11  | 4,022.36 | 11  | 3,755.28 | 11  | 3,446.93 | 11  | 3,086.38 | 11  | 2,725.92 | 11  | 2,365.53 | 11  | 2,006.73 |
| 1/4 |       | 1/4 | 4,525.45 | 1/4 | 4,278.42 | 1/4 | 4,016.80 | 1/4 | 3,749.71 | 1/4 | 3,439.41 | 1/4 | 3,078.87 | 1/4 | 2,718.42 | 1/4 | 2,358.02 | 1/4 | 1,999.30 |
| 1/2 |       | 1/2 | 4,520.43 | 1/2 | 4,273.08 | 1/2 | 4,011.23 | 1/2 | 3,744.15 | 1/2 | 3,431.89 | 1/2 | 3,071.36 | 1/2 | 2,710.91 | 1/2 | 2,350.50 | 1/2 | 1,991.86 |
| 3/4 |       | 3/4 | 4,515.42 | 3/4 | 4,267.75 | 3/4 | 4,005.67 | 3/4 | 3,738.59 | 3/4 | 3,424.37 | 3/4 | 3,063.85 | 3/4 | 2,703.40 | 3/4 | 2,342.99 | 3/4 | 1,984.42 |

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 45'-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 103"

3 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 15'-06 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   | 1,976.98 | 0   | 1,617.66 | 0   | 1,256.85 | 0   | 897.43 | 0   | 549.60 | 0   | 188.64 | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 1,969.54 | 1/4 | 1,610.14 | 1/4 | 1,249.34 | 1/4 | 890.19 | 1/4 | 542.08 | 1/4 | 181.12 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |        |
| 1/2 | 1,962.10 | 1/2 | 1,602.62 | 1/2 | 1,241.82 | 1/2 | 882.95 | 1/2 | 534.56 | 1/2 | 173.60 | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |        |
| 3/4 | 1,954.66 | 3/4 | 1,595.11 | 3/4 | 1,234.30 | 3/4 | 875.71 | 3/4 | 527.04 | 3/4 | 166.08 | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |        |
| 1   | 1,947.22 | 1   | 1,587.59 | 1   | 1,226.79 | 1   | 868.47 | 1   | 519.52 | 1   | 158.55 | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 1,939.78 | 1/4 | 1,580.07 | 1/4 | 1,219.27 | 1/4 | 861.23 | 1/4 | 512.00 | 1/4 | 151.03 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |        |
| 1/2 | 1,932.35 | 1/2 | 1,572.56 | 1/2 | 1,211.75 | 1/2 | 853.99 | 1/2 | 504.48 | 1/2 | 143.50 | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |        |
| 3/4 | 1,924.91 | 3/4 | 1,565.04 | 3/4 | 1,204.24 | 3/4 | 846.75 | 3/4 | 496.96 | 3/4 | 135.97 | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |        |
| 2   | 1,917.47 | 2   | 1,557.52 | 2   | 1,196.72 | 2   | 839.51 | 2   | 489.44 | 2   | 128.45 | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 1,910.03 | 1/4 | 1,550.01 | 1/4 | 1,189.20 | 1/4 | 832.27 | 1/4 | 481.92 | 1/4 | 120.92 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |        |
| 1/2 | 1,902.59 | 1/2 | 1,542.49 | 1/2 | 1,181.68 | 1/2 | 825.05 | 1/2 | 474.40 | 1/2 | 113.39 | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |        |
| 3/4 | 1,895.15 | 3/4 | 1,534.97 | 3/4 | 1,174.17 | 3/4 | 817.83 | 3/4 | 466.88 | 3/4 | 105.85 | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |        |
| 3   | 1,887.71 | 3   | 1,527.46 | 3   | 1,166.65 | 3   | 810.60 | 3   | 459.36 | 3   | 98.32  | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 1,880.27 | 1/4 | 1,519.94 | 1/4 | 1,159.13 | 1/4 | 803.38 | 1/4 | 451.84 | 1/4 | 90.79  | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |        |
| 1/2 | 1,872.83 | 1/2 | 1,512.42 | 1/2 | 1,151.62 | 1/2 | 796.18 | 1/2 | 444.32 | 1/2 | 83.26  | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |        |
| 3/4 | 1,865.39 | 3/4 | 1,504.91 | 3/4 | 1,144.10 | 3/4 | 788.97 | 3/4 | 436.80 | 3/4 | 75.73  | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |        |
| 4   | 1,857.96 | 4   | 1,497.39 | 4   | 1,136.58 | 4   | 781.76 | 4   | 429.28 | 4   | 68.19  | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 1,850.52 | 1/4 | 1,489.87 | 1/4 | 1,129.07 | 1/4 | 774.56 | 1/4 | 421.76 | 1/4 | 60.66  | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |        |
| 1/2 | 1,843.04 | 1/2 | 1,482.36 | 1/2 | 1,121.55 | 1/2 | 767.35 | 1/2 | 414.24 | 1/2 | 53.76  | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |        |
| 3/4 | 1,835.56 | 3/4 | 1,474.84 | 3/4 | 1,114.03 | 3/4 | 760.14 | 3/4 | 406.72 | 3/4 | 46.86  | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |        |
| 5   | 1,828.08 | 5   | 1,467.32 | 5   | 1,106.52 | 5   | 752.94 | 5   | 399.20 | 5   | 39.95  | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 1,820.61 | 1/4 | 1,459.81 | 1/4 | 1,099.00 | 1/4 | 745.73 | 1/4 | 391.68 | 1/4 | 33.05  | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |        |
| 1/2 | 1,813.09 | 1/2 | 1,452.29 | 1/2 | 1,091.48 | 1/2 | 738.53 | 1/2 | 384.16 | 1/2 | 28.03  | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |        |
| 3/4 | 1,805.57 | 3/4 | 1,444.77 | 3/4 | 1,083.96 | 3/4 | 731.32 | 3/4 | 376.64 | 3/4 | 23.00  | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |        |
| 6   | 1,798.06 | 6   | 1,437.26 | 6   | 1,076.45 | 6   | 724.11 | 6   | 369.12 | 6   | 17.98  | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 1,790.54 | 1/4 | 1,429.74 | 1/4 | 1,068.93 | 1/4 | 716.91 | 1/4 | 361.60 | 1/4 | 12.96  | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |        |
| 1/2 | 1,783.02 | 1/2 | 1,422.22 | 1/2 | 1,061.41 | 1/2 | 709.70 | 1/2 | 354.08 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |        |
| 3/4 | 1,775.51 | 3/4 | 1,414.71 | 3/4 | 1,053.90 | 3/4 | 702.49 | 3/4 | 346.56 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |        |
| 7   | 1,767.99 | 7   | 1,407.19 | 7   | 1,046.38 | 7   | 695.29 | 7   | 339.04 | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 1,760.47 | 1/4 | 1,399.67 | 1/4 | 1,038.86 | 1/4 | 688.08 | 1/4 | 331.52 | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |        |
| 1/2 | 1,752.96 | 1/2 | 1,392.16 | 1/2 | 1,031.35 | 1/2 | 680.88 | 1/2 | 324.00 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |        |
| 3/4 | 1,745.44 | 3/4 | 1,384.64 | 3/4 | 1,023.83 | 3/4 | 673.67 | 3/4 | 316.48 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |        |
| 8   | 1,737.92 | 8   | 1,377.12 | 8   | 1,016.31 | 8   | 666.46 | 8   | 308.96 | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 1,730.41 | 1/4 | 1,369.61 | 1/4 | 1,008.80 | 1/4 | 659.26 | 1/4 | 301.44 | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |        |
| 1/2 | 1,722.89 | 1/2 | 1,362.09 | 1/2 | 1,001.28 | 1/2 | 652.05 | 1/2 | 293.92 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |        |
| 3/4 | 1,715.37 | 3/4 | 1,354.57 | 3/4 | 993.76   | 3/4 | 644.85 | 3/4 | 286.40 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |        |
| 9   | 1,707.86 | 9   | 1,347.06 | 9   | 986.25   | 9   | 637.64 | 9   | 278.88 | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 1,700.34 | 1/4 | 1,339.54 | 1/4 | 978.73   | 1/4 | 630.43 | 1/4 | 271.36 | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |        |
| 1/2 | 1,692.82 | 1/2 | 1,332.02 | 1/2 | 971.21   | 1/2 | 623.23 | 1/2 | 263.84 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |        |
| 3/4 | 1,685.31 | 3/4 | 1,324.51 | 3/4 | 963.69   | 3/4 | 616.02 | 3/4 | 256.32 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |        |
| 10  | 1,677.79 | 10  | 1,316.99 | 10  | 956.18   | 10  | 608.81 | 10  | 248.80 | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 1,670.27 | 1/4 | 1,309.47 | 1/4 | 948.66   | 1/4 | 601.61 | 1/4 | 241.28 | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |        |
| 1/2 | 1,662.76 | 1/2 | 1,301.96 | 1/2 | 941.28   | 1/2 | 594.25 | 1/2 | 233.76 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |        |
| 3/4 | 1,655.24 | 3/4 | 1,294.44 | 3/4 | 933.90   | 3/4 | 586.88 | 3/4 | 226.24 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |        |
| 11  | 1,647.72 | 11  | 1,286.92 | 11  | 926.53   | 11  | 579.52 | 11  | 218.72 | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 1,640.21 | 1/4 | 1,279.40 | 1/4 | 919.15   | 1/4 | 572.16 | 1/4 | 211.20 | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 |        |
| 1/2 | 1,632.69 | 1/2 | 1,271.89 | 1/2 | 911.91   | 1/2 | 564.64 | 1/2 | 203.68 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 |        |
| 3/4 | 1,625.17 | 3/4 | 1,264.37 | 3/4 | 904.67   | 3/4 | 557.12 | 3/4 | 196.16 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/02/2020 CL  
CALCULATED: 11/02/2020 CL  
PRINTED: 11/02/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2020

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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