



# BARGE "TMTB 101"

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

August 17, 2020

PRECISION MEASUREMENT  
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# BARGE "TMTB 101"

## 1 PORT ULLAGE TABLE

### HERMETIC GAUGE HEIGHT 15'-06"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

| IN  | 0 FT. | IN  | 1 FT.    | IN  | 2 FT.    | IN  | 3 FT.    | IN  | 4 FT.    | IN  | 5 FT.    | IN  | 6 FT.    | IN  | 7 FT.    | IN  | 8 FT.    | IN  | 9 FT.    |
|-----|-------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| 0   |       | 0   | 4,579.18 | 0   | 4,280.77 | 0   | 3,972.14 | 0   | 3,647.24 | 0   | 3,316.70 | 0   | 2,986.15 | 0   | 2,655.60 | 0   | 2,325.05 | 0   | 1,994.50 |
| 1/4 |       | 1/4 | 4,573.80 | 1/4 | 4,274.50 | 1/4 | 3,965.52 | 1/4 | 3,640.36 | 1/4 | 3,309.81 | 1/4 | 2,979.26 | 1/4 | 2,648.71 | 1/4 | 2,318.17 | 1/4 | 1,987.61 |
| 1/2 |       | 1/2 | 4,568.43 | 1/2 | 4,268.22 | 1/2 | 3,958.89 | 1/2 | 3,633.47 | 1/2 | 3,302.92 | 1/2 | 2,972.38 | 1/2 | 2,641.83 | 1/2 | 2,311.28 | 1/2 | 1,980.72 |
| 3/4 |       | 3/4 | 4,563.05 | 3/4 | 4,261.95 | 3/4 | 3,952.26 | 3/4 | 3,626.58 | 3/4 | 3,296.04 | 3/4 | 2,965.49 | 3/4 | 2,634.94 | 3/4 | 2,304.39 | 3/4 | 1,973.83 |
| 1   |       | 1   | 4,557.68 | 1   | 4,255.67 | 1   | 3,945.63 | 1   | 3,619.70 | 1   | 3,289.15 | 1   | 2,958.60 | 1   | 2,628.06 | 1   | 2,297.51 | 1   | 1,966.94 |
| 1/4 |       | 1/4 | 4,551.27 | 1/4 | 4,249.37 | 1/4 | 3,938.98 | 1/4 | 3,612.81 | 1/4 | 3,282.26 | 1/4 | 2,951.72 | 1/4 | 2,621.17 | 1/4 | 2,290.62 | 1/4 | 1,960.05 |
| 1/2 |       | 1/2 | 4,544.86 | 1/2 | 4,243.07 | 1/2 | 3,932.32 | 1/2 | 3,605.92 | 1/2 | 3,275.38 | 1/2 | 2,944.83 | 1/2 | 2,614.28 | 1/2 | 2,283.74 | 1/2 | 1,953.16 |
| 3/4 |       | 3/4 | 4,538.46 | 3/4 | 4,236.77 | 3/4 | 3,925.67 | 3/4 | 3,599.04 | 3/4 | 3,268.49 | 3/4 | 2,937.94 | 3/4 | 2,607.40 | 3/4 | 2,276.85 | 3/4 | 1,946.28 |
| 2   |       | 2   | 4,532.05 | 2   | 4,230.47 | 2   | 3,919.02 | 2   | 3,592.15 | 2   | 3,261.60 | 2   | 2,931.06 | 2   | 2,600.51 | 2   | 2,269.96 | 2   | 1,939.39 |
| 1/4 |       | 1/4 | 4,525.30 | 1/4 | 4,224.15 | 1/4 | 3,912.34 | 1/4 | 3,585.27 | 1/4 | 3,254.72 | 1/4 | 2,924.17 | 1/4 | 2,593.62 | 1/4 | 2,263.08 | 1/4 | 1,932.50 |
| 1/2 |       | 1/2 | 4,518.54 | 1/2 | 4,217.82 | 1/2 | 3,905.66 | 1/2 | 3,578.38 | 1/2 | 3,247.83 | 1/2 | 2,917.28 | 1/2 | 2,586.74 | 1/2 | 2,256.19 | 1/2 | 1,925.61 |
| 3/4 |       | 3/4 | 4,511.79 | 3/4 | 4,211.49 | 3/4 | 3,898.97 | 3/4 | 3,571.49 | 3/4 | 3,240.95 | 3/4 | 2,910.40 | 3/4 | 2,579.85 | 3/4 | 2,249.30 | 3/4 | 1,918.72 |
| 3   |       | 3   | 4,505.04 | 3   | 4,205.17 | 3   | 3,892.29 | 3   | 3,564.61 | 3   | 3,234.06 | 3   | 2,903.51 | 3   | 2,572.96 | 3   | 2,242.42 | 3   | 1,911.83 |
| 1/4 |       | 1/4 | 4,498.29 | 1/4 | 4,198.81 | 1/4 | 3,885.59 | 1/4 | 3,557.72 | 1/4 | 3,227.17 | 1/4 | 2,896.63 | 1/4 | 2,566.08 | 1/4 | 2,235.53 | 1/4 | 1,904.94 |
| 1/2 |       | 1/2 | 4,491.54 | 1/2 | 4,192.46 | 1/2 | 3,878.88 | 1/2 | 3,550.83 | 1/2 | 3,220.29 | 1/2 | 2,889.74 | 1/2 | 2,559.19 | 1/2 | 2,228.64 | 1/2 | 1,898.05 |
| 3/4 |       | 3/4 | 4,484.79 | 3/4 | 4,186.11 | 3/4 | 3,872.17 | 3/4 | 3,543.95 | 3/4 | 3,213.40 | 3/4 | 2,882.85 | 3/4 | 2,552.31 | 3/4 | 2,221.76 | 3/4 | 1,891.17 |
| 4   |       | 4   | 4,478.04 | 4   | 4,179.76 | 4   | 3,865.47 | 4   | 3,537.06 | 4   | 3,206.51 | 4   | 2,875.97 | 4   | 2,545.42 | 4   | 2,214.87 | 4   | 1,884.28 |
| 1/4 |       | 1/4 | 4,471.67 | 1/4 | 4,173.38 | 1/4 | 3,858.74 | 1/4 | 3,530.17 | 1/4 | 3,199.63 | 1/4 | 2,869.08 | 1/4 | 2,538.53 | 1/4 | 2,207.99 | 1/4 | 1,877.39 |
| 1/2 |       | 1/2 | 4,465.30 | 1/2 | 4,167.00 | 1/2 | 3,852.00 | 1/2 | 3,523.29 | 1/2 | 3,192.74 | 1/2 | 2,862.19 | 1/2 | 2,531.65 | 1/2 | 2,201.10 | 1/2 | 1,870.50 |
| 3/4 |       | 3/4 | 4,458.93 | 3/4 | 4,160.62 | 3/4 | 3,845.27 | 3/4 | 3,516.40 | 3/4 | 3,185.85 | 3/4 | 2,855.31 | 3/4 | 2,524.76 | 3/4 | 2,194.21 | 3/4 | 1,863.61 |
| 5   |       | 5   | 4,452.57 | 5   | 4,154.24 | 5   | 3,838.54 | 5   | 3,509.51 | 5   | 3,178.97 | 5   | 2,848.42 | 5   | 2,517.87 | 5   | 2,187.33 | 5   | 1,856.72 |
| 1/4 |       | 1/4 | 4,446.57 | 1/4 | 4,147.84 | 1/4 | 3,831.78 | 1/4 | 3,502.63 | 1/4 | 3,172.08 | 1/4 | 2,841.53 | 1/4 | 2,510.99 | 1/4 | 2,180.44 | 1/4 | 1,849.83 |
| 1/2 |       | 1/2 | 4,440.58 | 1/2 | 4,141.43 | 1/2 | 3,825.02 | 1/2 | 3,495.74 | 1/2 | 3,165.19 | 1/2 | 2,834.65 | 1/2 | 2,504.10 | 1/2 | 2,173.55 | 1/2 | 1,842.95 |
| 3/4 |       | 3/4 | 4,434.58 | 3/4 | 4,135.03 | 3/4 | 3,818.26 | 3/4 | 3,488.86 | 3/4 | 3,158.31 | 3/4 | 2,827.76 | 3/4 | 2,497.21 | 3/4 | 2,166.67 | 3/4 | 1,836.06 |
| 6   |       | 6   | 4,428.58 | 6   | 4,128.62 | 6   | 3,811.50 | 6   | 3,481.97 | 6   | 3,151.42 | 6   | 2,820.87 | 6   | 2,490.33 | 6   | 2,159.78 | 6   | 1,829.17 |
| 1/4 |       | 1/4 | 4,422.56 | 1/4 | 4,122.19 | 1/4 | 3,804.72 | 1/4 | 3,475.08 | 1/4 | 3,144.54 | 1/4 | 2,813.99 | 1/4 | 2,483.44 | 1/4 | 2,152.89 | 1/4 | 1,822.28 |
| 1/2 |       | 1/2 | 4,416.54 | 1/2 | 4,115.76 | 1/2 | 3,797.93 | 1/2 | 3,468.20 | 1/2 | 3,137.65 | 1/2 | 2,807.10 | 1/2 | 2,476.55 | 1/2 | 2,146.01 | 1/2 | 1,815.39 |
| 3/4 |       | 3/4 | 4,410.52 | 3/4 | 4,109.33 | 3/4 | 3,791.15 | 3/4 | 3,461.31 | 3/4 | 3,130.76 | 3/4 | 2,800.22 | 3/4 | 2,469.67 | 3/4 | 2,139.12 | 3/4 | 1,808.50 |
| 7   |       | 7   | 4,404.49 | 7   | 4,102.90 | 7   | 3,784.36 | 7   | 3,454.42 | 7   | 3,123.88 | 7   | 2,793.33 | 7   | 2,462.78 | 7   | 2,132.23 | 7   | 1,801.61 |
| 1/4 |       | 1/4 | 4,398.40 | 1/4 | 4,096.44 | 1/4 | 3,777.55 | 1/4 | 3,447.54 | 1/4 | 3,116.99 | 1/4 | 2,786.44 | 1/4 | 2,455.90 | 1/4 | 2,125.35 | 1/4 | 1,794.72 |
| 1/2 |       | 1/2 | 4,392.30 | 1/2 | 4,089.98 | 1/2 | 3,770.74 | 1/2 | 3,440.65 | 1/2 | 3,110.10 | 1/2 | 2,779.56 | 1/2 | 2,449.01 | 1/2 | 2,118.46 | 1/2 | 1,787.84 |
| 3/4 |       | 3/4 | 4,386.21 | 3/4 | 4,083.52 | 3/4 | 3,763.93 | 3/4 | 3,433.76 | 3/4 | 3,103.22 | 3/4 | 2,772.67 | 3/4 | 2,442.12 | 3/4 | 2,111.58 | 3/4 | 1,780.95 |
| 8   |       | 8   | 4,380.11 | 8   | 4,077.07 | 8   | 3,757.12 | 8   | 3,426.88 | 8   | 3,096.33 | 8   | 2,765.78 | 8   | 2,435.24 | 8   | 2,104.69 | 8   | 1,774.06 |
| 1/4 |       | 1/4 | 4,373.94 | 1/4 | 4,070.56 | 1/4 | 3,750.28 | 1/4 | 3,419.99 | 1/4 | 3,089.44 | 1/4 | 2,758.90 | 1/4 | 2,428.35 | 1/4 | 2,097.80 | 1/4 | 1,767.17 |
| 1/2 |       | 1/2 | 4,367.77 | 1/2 | 4,064.06 | 1/2 | 3,743.44 | 1/2 | 3,413.11 | 1/2 | 3,082.56 | 1/2 | 2,752.01 | 1/2 | 2,421.46 | 1/2 | 2,090.92 | 1/2 | 1,760.28 |
| 3/4 |       | 3/4 | 4,361.60 | 3/4 | 4,057.56 | 3/4 | 3,736.61 | 3/4 | 3,406.22 | 3/4 | 3,075.67 | 3/4 | 2,745.12 | 3/4 | 2,414.58 | 3/4 | 2,084.03 | 3/4 | 1,753.39 |
| 9   |       | 9   | 4,355.43 | 9   | 4,051.05 | 9   | 3,729.77 | 9   | 3,399.33 | 9   | 3,068.79 | 9   | 2,738.24 | 9   | 2,407.69 | 9   | 2,077.14 | 9   | 1,746.50 |
| 1/4 |       | 1/4 | 4,349.24 | 1/4 | 4,044.50 | 1/4 | 3,722.90 | 1/4 | 3,392.45 | 1/4 | 3,061.90 | 1/4 | 2,731.35 | 1/4 | 2,400.80 | 1/4 | 2,070.26 | 1/4 | 1,739.61 |
| 1/2 |       | 1/2 | 4,343.04 | 1/2 | 4,037.95 | 1/2 | 3,716.04 | 1/2 | 3,385.56 | 1/2 | 3,055.01 | 1/2 | 2,724.47 | 1/2 | 2,393.92 | 1/2 | 2,063.37 | 1/2 | 1,732.73 |
| 3/4 |       | 3/4 | 4,336.85 | 3/4 | 4,031.40 | 3/4 | 3,709.18 | 3/4 | 3,378.67 | 3/4 | 3,048.13 | 3/4 | 2,717.58 | 3/4 | 2,387.03 | 3/4 | 2,056.48 | 3/4 | 1,725.84 |
| 10  |       | 10  | 4,330.65 | 10  | 4,024.85 | 10  | 3,702.31 | 10  | 3,371.79 | 10  | 3,041.24 | 10  | 2,710.69 | 10  | 2,380.15 | 10  | 2,049.60 | 10  | 1,718.95 |
| 1/4 |       | 1/4 | 4,324.43 | 1/4 | 4,018.28 | 1/4 | 3,695.43 | 1/4 | 3,364.90 | 1/4 | 3,034.35 | 1/4 | 2,703.81 | 1/4 | 2,373.26 | 1/4 | 2,042.71 | 1/4 | 1,712.06 |
| 1/2 |       | 1/2 | 4,318.21 | 1/2 | 4,011.70 | 1/2 | 3,688.55 | 1/2 | 3,358.01 | 1/2 | 3,027.47 | 1/2 | 2,696.92 | 1/2 | 2,366.37 | 1/2 | 2,035.82 | 1/2 | 1,705.17 |
| 3/4 |       | 3/4 | 4,311.98 | 3/4 | 4,005.13 | 3/4 | 3,681.67 | 3/4 | 3,351.13 | 3/4 | 3,020.58 | 3/4 | 2,690.03 | 3/4 | 2,359.49 | 3/4 | 2,028.94 | 3/4 | 1,698.28 |
| 11  |       | 11  | 4,305.76 | 11  | 3,998.55 | 11  | 3,674.79 | 11  | 3,344.24 | 11  | 3,013.69 | 11  | 2,683.15 | 11  | 2,352.60 | 11  | 2,022.05 | 11  | 1,691.39 |
| 1/4 |       | 1/4 | 4,299.51 | 1/4 | 3,991.95 | 1/4 | 3,667.90 | 1/4 | 3,337.35 | 1/4 | 3,006.81 | 1/4 | 2,676.26 | 1/4 | 2,345.71 | 1/4 | 2,015.16 | 1/4 | 1,684.50 |
| 1/2 |       | 1/2 | 4,293.27 | 1/2 | 3,985.35 | 1/2 | 3,661.02 | 1/2 | 3,330.47 | 1/2 | 2,999.92 | 1/2 | 2,669.37 | 1/2 | 2,338.83 | 1/2 | 2,008.27 | 1/2 | 1,677.62 |
| 3/4 |       | 3/4 | 4,287.02 | 3/4 | 3,978.75 | 3/4 | 3,654.13 | 3/4 | 3,323.58 | 3/4 | 2,993.03 | 3/4 | 2,662.49 | 3/4 | 2,331.94 | 3/4 | 2,001.39 | 3/4 | 1,670.73 |

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 11'-09" OFF CENTERLINE AND 44'-02 3/4" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
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# BARGE "TMTB 101"

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

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

| IN  | 10 FT.   | IN  | 11 FT.   | IN  | 12 FT.   | IN  | 13 FT. | IN  | 14 FT. | IN  | 15 FT. | IN  | 16 FT. | IN  | 17 FT. | IN  | 18 FT. | IN  | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0   | 1,663.84 | 0   | 1,333.18 | 0   | 1,003.25 | 0   | 689.07 | 0   | 397.58 | 0   | 127.34 | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 1,656.95 | 1/4 | 1,326.29 | 1/4 | 996.49   | 1/4 | 682.77 | 1/4 | 391.74 | 1/4 | 121.95 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,650.06 | 1/2 | 1,319.40 | 1/2 | 989.74   | 1/2 | 676.47 | 1/2 | 385.90 | 1/2 | 116.57 | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,643.17 | 3/4 | 1,312.52 | 3/4 | 982.98   | 3/4 | 670.17 | 3/4 | 380.06 | 3/4 | 111.19 | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 1   | 1,636.28 | 1   | 1,305.63 | 1   | 976.23   | 1   | 663.88 | 1   | 374.22 | 1   | 105.81 | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 1,629.40 | 1/4 | 1,298.74 | 1/4 | 969.51   | 1/4 | 657.62 | 1/4 | 368.42 | 1/4 | 100.46 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,622.51 | 1/2 | 1,291.85 | 1/2 | 962.79   | 1/2 | 651.36 | 1/2 | 362.61 | 1/2 | 95.12  | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,615.62 | 3/4 | 1,284.96 | 3/4 | 956.08   | 3/4 | 645.10 | 3/4 | 356.81 | 3/4 | 89.78  | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 2   | 1,608.73 | 2   | 1,278.07 | 2   | 949.36   | 2   | 638.84 | 2   | 351.01 | 2   | 84.43  | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 1,601.84 | 1/4 | 1,271.18 | 1/4 | 942.68   | 1/4 | 632.63 | 1/4 | 345.25 | 1/4 | 79.13  | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,594.95 | 1/2 | 1,264.29 | 1/2 | 936.00   | 1/2 | 626.42 | 1/2 | 339.48 | 1/2 | 73.82  | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,588.06 | 3/4 | 1,257.41 | 3/4 | 929.32   | 3/4 | 620.21 | 3/4 | 333.72 | 3/4 | 68.51  | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 3   | 1,581.17 | 3   | 1,250.52 | 3   | 922.64   | 3   | 614.00 | 3   | 327.96 | 3   | 63.21  | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 1,574.29 | 1/4 | 1,243.63 | 1/4 | 916.00   | 1/4 | 607.84 | 1/4 | 322.23 | 1/4 | 57.94  | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,567.40 | 1/2 | 1,236.74 | 1/2 | 909.36   | 1/2 | 601.68 | 1/2 | 316.51 | 1/2 | 52.67  | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,560.51 | 3/4 | 1,229.85 | 3/4 | 902.72   | 3/4 | 595.52 | 3/4 | 310.78 | 3/4 | 47.40  | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 4   | 1,553.62 | 4   | 1,222.96 | 4   | 896.08   | 4   | 589.36 | 4   | 305.06 | 4   | 42.14  | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 1,546.73 | 1/4 | 1,216.07 | 1/4 | 889.48   | 1/4 | 583.23 | 1/4 | 299.37 | 1/4 | 37.48  | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,539.84 | 1/2 | 1,209.18 | 1/2 | 882.88   | 1/2 | 577.11 | 1/2 | 293.68 | 1/2 | 32.83  | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,532.95 | 3/4 | 1,202.30 | 3/4 | 876.27   | 3/4 | 570.99 | 3/4 | 287.99 | 3/4 | 28.17  | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 5   | 1,526.06 | 5   | 1,195.41 | 5   | 869.67   | 5   | 564.87 | 5   | 282.31 | 5   | 23.51  | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 1,519.18 | 1/4 | 1,188.52 | 1/4 | 863.11   | 1/4 | 558.78 | 1/4 | 276.66 | 1/4 | 20.19  | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,512.29 | 1/2 | 1,181.63 | 1/2 | 856.54   | 1/2 | 552.70 | 1/2 | 271.01 | 1/2 | 16.86  | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,505.40 | 3/4 | 1,174.74 | 3/4 | 849.98   | 3/4 | 546.61 | 3/4 | 265.36 | 3/4 | 13.53  | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 6   | 1,498.51 | 6   | 1,167.85 | 6   | 843.41   | 6   | 540.53 | 6   | 259.71 | 6   | 10.19  | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 1,491.62 | 1/4 | 1,160.96 | 1/4 | 836.89   | 1/4 | 534.48 | 1/4 | 254.10 | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,484.73 | 1/2 | 1,154.08 | 1/2 | 830.36   | 1/2 | 528.44 | 1/2 | 248.49 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,477.84 | 3/4 | 1,147.19 | 3/4 | 823.83   | 3/4 | 522.39 | 3/4 | 242.88 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 7   | 1,470.96 | 7   | 1,140.30 | 7   | 817.31   | 7   | 516.34 | 7   | 237.27 | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 1,464.07 | 1/4 | 1,133.41 | 1/4 | 810.82   | 1/4 | 510.34 | 1/4 | 231.69 | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,457.18 | 1/2 | 1,126.52 | 1/2 | 804.33   | 1/2 | 504.33 | 1/2 | 226.12 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,450.29 | 3/4 | 1,119.63 | 3/4 | 797.84   | 3/4 | 498.32 | 3/4 | 220.55 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 8   | 1,443.40 | 8   | 1,112.74 | 8   | 791.35   | 8   | 492.31 | 8   | 214.98 | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 1,436.51 | 1/4 | 1,105.86 | 1/4 | 784.90   | 1/4 | 486.34 | 1/4 | 209.44 | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,429.62 | 1/2 | 1,098.98 | 1/2 | 778.45   | 1/2 | 480.37 | 1/2 | 203.91 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,422.73 | 3/4 | 1,092.09 | 3/4 | 772.00   | 3/4 | 474.40 | 3/4 | 198.37 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 9   | 1,415.85 | 9   | 1,085.21 | 9   | 765.55   | 9   | 468.43 | 9   | 192.84 | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 1,408.96 | 1/4 | 1,078.34 | 1/4 | 759.14   | 1/4 | 462.50 | 1/4 | 187.34 | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,402.07 | 1/2 | 1,071.48 | 1/2 | 752.73   | 1/2 | 456.57 | 1/2 | 181.84 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,395.18 | 3/4 | 1,064.61 | 3/4 | 746.32   | 3/4 | 450.64 | 3/4 | 176.35 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 10  | 1,388.29 | 10  | 1,057.75 | 10  | 739.90   | 10  | 444.71 | 10  | 170.85 | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 1,381.40 | 1/4 | 1,050.92 | 1/4 | 733.53   | 1/4 | 438.80 | 1/4 | 165.39 | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,374.51 | 1/2 | 1,044.08 | 1/2 | 727.16   | 1/2 | 432.90 | 1/2 | 159.93 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,367.62 | 3/4 | 1,037.25 | 3/4 | 720.78   | 3/4 | 426.99 | 3/4 | 154.48 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 11  | 1,360.74 | 11  | 1,030.42 | 11  | 714.41   | 11  | 421.09 | 11  | 149.02 | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 1,353.85 | 1/4 | 1,023.63 | 1/4 | 708.07   | 1/4 | 415.21 | 1/4 | 143.60 | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,346.96 | 1/2 | 1,016.84 | 1/2 | 701.74   | 1/2 | 409.33 | 1/2 | 138.18 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,340.07 | 3/4 | 1,010.04 | 3/4 | 695.40   | 3/4 | 403.45 | 3/4 | 132.76 | 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: 08/17/2020 JS  
CALCULATED: 08/17/2020 CL  
PRINTED: 08/18/2020 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2020

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



# BARGE "TMTB 101"

## 1 STBD ULLAGE TABLE

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

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

| IN  | 0 FT. | IN  | 1 FT.    | IN  | 2 FT.    | IN  | 3 FT.    | IN  | 4 FT.    | IN  | 5 FT.    | IN  | 6 FT.    | IN  | 7 FT.    | IN  | 8 FT.    | IN  | 9 FT.    |
|-----|-------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| 0   |       | 0   |          | 0   | 4,296.19 | 0   | 3,987.96 | 0   | 3,663.32 | 0   | 3,332.47 | 0   | 3,001.62 | 0   | 2,670.77 | 0   | 2,339.92 | 0   | 2,009.06 |
| 1/4 |       | 1/4 |          | 1/4 | 4,289.93 | 1/4 | 3,981.35 | 1/4 | 3,656.43 | 1/4 | 3,325.58 | 1/4 | 2,994.73 | 1/4 | 2,663.88 | 1/4 | 2,333.03 | 1/4 | 2,002.17 |
| 1/2 |       | 1/2 | 4,582.39 | 1/2 | 4,283.68 | 1/2 | 3,974.75 | 1/2 | 3,649.54 | 1/2 | 3,318.69 | 1/2 | 2,987.84 | 1/2 | 2,656.99 | 1/2 | 2,326.14 | 1/2 | 1,995.27 |
| 3/4 |       | 3/4 | 4,577.01 | 3/4 | 4,277.40 | 3/4 | 3,968.11 | 3/4 | 3,642.64 | 3/4 | 3,311.79 | 3/4 | 2,980.94 | 3/4 | 2,650.09 | 3/4 | 2,319.24 | 3/4 | 1,988.38 |
| 1   |       | 1   | 4,571.63 | 1   | 4,271.12 | 1   | 3,961.48 | 1   | 3,635.75 | 1   | 3,304.90 | 1   | 2,974.05 | 1   | 2,643.20 | 1   | 2,312.35 | 1   | 1,981.48 |
| 1/4 |       | 1/4 | 4,566.25 | 1/4 | 4,264.83 | 1/4 | 3,954.84 | 1/4 | 3,628.86 | 1/4 | 3,298.01 | 1/4 | 2,967.16 | 1/4 | 2,636.31 | 1/4 | 2,305.46 | 1/4 | 1,974.59 |
| 1/2 |       | 1/2 | 4,560.86 | 1/2 | 4,258.55 | 1/2 | 3,948.21 | 1/2 | 3,621.96 | 1/2 | 3,291.11 | 1/2 | 2,960.27 | 1/2 | 2,629.42 | 1/2 | 2,298.57 | 1/2 | 1,967.69 |
| 3/4 |       | 3/4 | 4,554.45 | 3/4 | 4,252.25 | 3/4 | 3,941.55 | 3/4 | 3,615.07 | 3/4 | 3,284.22 | 3/4 | 2,953.37 | 3/4 | 2,622.52 | 3/4 | 2,291.67 | 3/4 | 1,960.80 |
| 2   |       | 2   | 4,548.04 | 2   | 4,245.94 | 2   | 3,934.89 | 2   | 3,608.18 | 2   | 3,277.33 | 2   | 2,946.48 | 2   | 2,615.63 | 2   | 2,284.78 | 2   | 1,953.90 |
| 1/4 |       | 1/4 | 4,541.62 | 1/4 | 4,239.63 | 1/4 | 3,928.23 | 1/4 | 3,601.29 | 1/4 | 3,270.44 | 1/4 | 2,939.59 | 1/4 | 2,608.74 | 1/4 | 2,277.89 | 1/4 | 1,947.01 |
| 1/2 |       | 1/2 | 4,535.21 | 1/2 | 4,233.33 | 1/2 | 3,921.57 | 1/2 | 3,594.39 | 1/2 | 3,263.54 | 1/2 | 2,932.69 | 1/2 | 2,601.84 | 1/2 | 2,271.00 | 1/2 | 1,940.11 |
| 3/4 |       | 3/4 | 4,528.45 | 3/4 | 4,226.99 | 3/4 | 3,914.88 | 3/4 | 3,587.50 | 3/4 | 3,256.65 | 3/4 | 2,925.80 | 3/4 | 2,594.95 | 3/4 | 2,264.10 | 3/4 | 1,933.22 |
| 3   |       | 3   | 4,521.69 | 3   | 4,220.66 | 3   | 3,908.19 | 3   | 3,580.61 | 3   | 3,249.76 | 3   | 2,918.91 | 3   | 2,588.06 | 3   | 2,257.21 | 3   | 1,926.32 |
| 1/4 |       | 1/4 | 4,514.93 | 1/4 | 4,214.33 | 1/4 | 3,901.51 | 1/4 | 3,573.72 | 1/4 | 3,242.87 | 1/4 | 2,912.02 | 1/4 | 2,581.17 | 1/4 | 2,250.32 | 1/4 | 1,919.43 |
| 1/2 |       | 1/2 | 4,508.17 | 1/2 | 4,208.00 | 1/2 | 3,894.82 | 1/2 | 3,566.82 | 1/2 | 3,235.97 | 1/2 | 2,905.12 | 1/2 | 2,574.27 | 1/2 | 2,243.42 | 1/2 | 1,912.53 |
| 3/4 |       | 3/4 | 4,501.42 | 3/4 | 4,201.64 | 3/4 | 3,888.11 | 3/4 | 3,559.93 | 3/4 | 3,229.08 | 3/4 | 2,898.23 | 3/4 | 2,567.38 | 3/4 | 2,236.53 | 3/4 | 1,905.64 |
| 4   |       | 4   | 4,494.66 | 4   | 4,195.28 | 4   | 3,881.39 | 4   | 3,553.04 | 4   | 3,222.19 | 4   | 2,891.34 | 4   | 2,560.49 | 4   | 2,229.64 | 4   | 1,898.74 |
| 1/4 |       | 1/4 | 4,487.90 | 1/4 | 4,188.92 | 1/4 | 3,874.68 | 1/4 | 3,546.14 | 1/4 | 3,215.30 | 1/4 | 2,884.45 | 1/4 | 2,553.60 | 1/4 | 2,222.75 | 1/4 | 1,891.85 |
| 1/2 |       | 1/2 | 4,481.14 | 1/2 | 4,182.56 | 1/2 | 3,867.97 | 1/2 | 3,539.25 | 1/2 | 3,208.40 | 1/2 | 2,877.55 | 1/2 | 2,546.70 | 1/2 | 2,215.85 | 1/2 | 1,884.95 |
| 3/4 |       | 3/4 | 4,474.77 | 3/4 | 4,176.17 | 3/4 | 3,861.23 | 3/4 | 3,532.36 | 3/4 | 3,201.51 | 3/4 | 2,870.66 | 3/4 | 2,539.81 | 3/4 | 2,208.96 | 3/4 | 1,878.06 |
| 5   |       | 5   | 4,468.40 | 5   | 4,169.79 | 5   | 3,854.49 | 5   | 3,525.47 | 5   | 3,194.62 | 5   | 2,863.77 | 5   | 2,532.92 | 5   | 2,202.07 | 5   | 1,871.16 |
| 1/4 |       | 1/4 | 4,462.02 | 1/4 | 4,163.40 | 1/4 | 3,847.75 | 1/4 | 3,518.57 | 1/4 | 3,187.72 | 1/4 | 2,856.87 | 1/4 | 2,526.03 | 1/4 | 2,195.18 | 1/4 | 1,864.27 |
| 1/2 |       | 1/2 | 4,455.65 | 1/2 | 4,157.02 | 1/2 | 3,841.01 | 1/2 | 3,511.68 | 1/2 | 3,180.83 | 1/2 | 2,849.98 | 1/2 | 2,519.13 | 1/2 | 2,188.28 | 1/2 | 1,857.37 |
| 3/4 |       | 3/4 | 4,449.65 | 3/4 | 4,150.61 | 3/4 | 3,834.25 | 3/4 | 3,504.79 | 3/4 | 3,173.94 | 3/4 | 2,843.09 | 3/4 | 2,512.24 | 3/4 | 2,181.39 | 3/4 | 1,850.48 |
| 6   |       | 6   | 4,443.64 | 6   | 4,144.20 | 6   | 3,827.48 | 6   | 3,497.90 | 6   | 3,167.05 | 6   | 2,836.20 | 6   | 2,505.35 | 6   | 2,174.50 | 6   | 1,843.58 |
| 1/4 |       | 1/4 | 4,437.64 | 1/4 | 4,137.79 | 1/4 | 3,820.72 | 1/4 | 3,491.00 | 1/4 | 3,160.15 | 1/4 | 2,829.30 | 1/4 | 2,498.45 | 1/4 | 2,167.60 | 1/4 | 1,836.69 |
| 1/2 |       | 1/2 | 4,431.64 | 1/2 | 4,131.37 | 1/2 | 3,813.95 | 1/2 | 3,484.11 | 1/2 | 3,153.26 | 1/2 | 2,822.41 | 1/2 | 2,491.56 | 1/2 | 2,160.71 | 1/2 | 1,829.79 |
| 3/4 |       | 3/4 | 4,425.61 | 3/4 | 4,124.94 | 3/4 | 3,807.16 | 3/4 | 3,477.22 | 3/4 | 3,146.37 | 3/4 | 2,815.52 | 3/4 | 2,484.67 | 3/4 | 2,153.82 | 3/4 | 1,822.90 |
| 7   |       | 7   | 4,419.58 | 7   | 4,118.50 | 7   | 3,800.37 | 7   | 3,470.33 | 7   | 3,139.48 | 7   | 2,808.63 | 7   | 2,477.78 | 7   | 2,146.93 | 7   | 1,816.00 |
| 1/4 |       | 1/4 | 4,413.55 | 1/4 | 4,112.06 | 1/4 | 3,793.58 | 1/4 | 3,463.43 | 1/4 | 3,132.58 | 1/4 | 2,801.73 | 1/4 | 2,470.88 | 1/4 | 2,140.03 | 1/4 | 1,809.11 |
| 1/2 |       | 1/2 | 4,407.53 | 1/2 | 4,105.62 | 1/2 | 3,786.79 | 1/2 | 3,456.54 | 1/2 | 3,125.69 | 1/2 | 2,794.84 | 1/2 | 2,463.99 | 1/2 | 2,133.14 | 1/2 | 1,802.21 |
| 3/4 |       | 3/4 | 4,401.42 | 3/4 | 4,099.16 | 3/4 | 3,779.97 | 3/4 | 3,449.65 | 3/4 | 3,118.80 | 3/4 | 2,787.95 | 3/4 | 2,457.10 | 3/4 | 2,126.25 | 3/4 | 1,795.32 |
| 8   |       | 8   | 4,395.32 | 8   | 4,092.70 | 8   | 3,773.15 | 8   | 3,442.75 | 8   | 3,111.90 | 8   | 2,781.06 | 8   | 2,450.21 | 8   | 2,119.36 | 8   | 1,788.42 |
| 1/4 |       | 1/4 | 4,389.22 | 1/4 | 4,086.23 | 1/4 | 3,766.33 | 1/4 | 3,435.86 | 1/4 | 3,105.01 | 1/4 | 2,774.16 | 1/4 | 2,443.31 | 1/4 | 2,112.46 | 1/4 | 1,781.53 |
| 1/2 |       | 1/2 | 4,383.12 | 1/2 | 4,079.77 | 1/2 | 3,759.52 | 1/2 | 3,428.97 | 1/2 | 3,098.12 | 1/2 | 2,767.27 | 1/2 | 2,436.42 | 1/2 | 2,105.57 | 1/2 | 1,774.63 |
| 3/4 |       | 3/4 | 4,376.94 | 3/4 | 4,073.26 | 3/4 | 3,752.67 | 3/4 | 3,422.08 | 3/4 | 3,091.23 | 3/4 | 2,760.38 | 3/4 | 2,429.53 | 3/4 | 2,098.68 | 3/4 | 1,767.74 |
| 9   |       | 9   | 4,370.77 | 9   | 4,066.75 | 9   | 3,745.83 | 9   | 3,415.18 | 9   | 3,084.33 | 9   | 2,753.48 | 9   | 2,422.63 | 9   | 2,091.79 | 9   | 1,760.84 |
| 1/4 |       | 1/4 | 4,364.59 | 1/4 | 4,060.24 | 1/4 | 3,738.99 | 1/4 | 3,408.29 | 1/4 | 3,077.44 | 1/4 | 2,746.59 | 1/4 | 2,415.74 | 1/4 | 2,084.89 | 1/4 | 1,753.95 |
| 1/2 |       | 1/2 | 4,358.41 | 1/2 | 4,053.73 | 1/2 | 3,732.14 | 1/2 | 3,401.40 | 1/2 | 3,070.55 | 1/2 | 2,739.70 | 1/2 | 2,408.85 | 1/2 | 2,078.00 | 1/2 | 1,747.05 |
| 3/4 |       | 3/4 | 4,352.21 | 3/4 | 4,047.17 | 3/4 | 3,725.27 | 3/4 | 3,394.51 | 3/4 | 3,063.66 | 3/4 | 2,732.81 | 3/4 | 2,401.96 | 3/4 | 2,071.11 | 3/4 | 1,740.16 |
| 10  |       | 10  | 4,346.01 | 10  | 4,040.62 | 10  | 3,718.40 | 10  | 3,387.61 | 10  | 3,056.76 | 10  | 2,725.91 | 10  | 2,395.06 | 10  | 2,064.21 | 10  | 1,733.26 |
| 1/4 |       | 1/4 | 4,339.81 | 1/4 | 4,034.06 | 1/4 | 3,711.53 | 1/4 | 3,380.72 | 1/4 | 3,049.87 | 1/4 | 2,719.02 | 1/4 | 2,388.17 | 1/4 | 2,057.32 | 1/4 | 1,726.37 |
| 1/2 |       | 1/2 | 4,333.61 | 1/2 | 4,027.51 | 1/2 | 3,704.66 | 1/2 | 3,373.83 | 1/2 | 3,042.98 | 1/2 | 2,712.13 | 1/2 | 2,381.28 | 1/2 | 2,050.43 | 1/2 | 1,719.47 |
| 3/4 |       | 3/4 | 4,327.38 | 3/4 | 4,020.92 | 3/4 | 3,697.77 | 3/4 | 3,366.93 | 3/4 | 3,036.08 | 3/4 | 2,705.24 | 3/4 | 2,374.39 | 3/4 | 2,043.53 | 3/4 | 1,712.58 |
| 11  |       | 11  | 4,321.15 | 11  | 4,014.34 | 11  | 3,690.88 | 11  | 3,360.04 | 11  | 3,029.19 | 11  | 2,698.34 | 11  | 2,367.49 | 11  | 2,036.64 | 11  | 1,705.68 |
| 1/4 |       | 1/4 | 4,314.92 | 1/4 | 4,007.76 | 1/4 | 3,684.00 | 1/4 | 3,353.15 | 1/4 | 3,022.30 | 1/4 | 2,691.45 | 1/4 | 2,360.60 | 1/4 | 2,029.75 | 1/4 | 1,698.79 |
| 1/2 |       | 1/2 | 4,308.69 | 1/2 | 4,001.18 | 1/2 | 3,677.11 | 1/2 | 3,346.26 | 1/2 | 3,015.41 | 1/2 | 2,684.56 | 1/2 | 2,353.71 | 1/2 | 2,022.85 | 1/2 | 1,691.89 |
| 3/4 |       | 3/4 | 4,302.44 | 3/4 | 3,994.57 | 3/4 | 3,670.21 | 3/4 | 3,339.36 | 3/4 | 3,008.51 | 3/4 | 2,677.66 | 3/4 | 2,346.81 | 3/4 | 2,015.96 | 3/4 | 1,685.00 |

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 11'-09" OFF CENTERLINE AND 44'-02 3/4" 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 101"

1 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 15'-06 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

| IN  | 10 FT.   | IN  | 11 FT.   | IN  | 12 FT.   | IN  | 13 FT. | IN  | 14 FT. | IN  | 15 FT. | IN  | 16 FT. | IN  | 17 FT. | IN  | 18 FT. | IN  | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0   | 1,678.10 | 0   | 1,347.14 | 0   | 1,016.72 | 0   | 701.41 | 0   | 409.79 | 0   | 138.33 | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 1,671.21 | 1/4 | 1,340.25 | 1/4 | 1,009.92 | 1/4 | 695.10 | 1/4 | 403.91 | 1/4 | 132.91 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,664.31 | 1/2 | 1,333.35 | 1/2 | 1,003.12 | 1/2 | 688.78 | 1/2 | 398.02 | 1/2 | 127.48 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,657.42 | 3/4 | 1,326.46 | 3/4 | 996.36   | 3/4 | 682.50 | 3/4 | 392.18 | 3/4 | 122.09 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 1,650.52 | 1   | 1,319.56 | 1   | 989.59   | 1   | 676.22 | 1   | 386.33 | 1   | 116.70 | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 1,643.63 | 1/4 | 1,312.67 | 1/4 | 982.83   | 1/4 | 669.94 | 1/4 | 380.48 | 1/4 | 111.31 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,636.73 | 1/2 | 1,305.77 | 1/2 | 976.07   | 1/2 | 663.66 | 1/2 | 374.64 | 1/2 | 105.92 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,629.84 | 3/4 | 1,298.88 | 3/4 | 969.35   | 3/4 | 657.42 | 3/4 | 368.83 | 3/4 | 100.57 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 1,622.94 | 2   | 1,291.98 | 2   | 962.62   | 2   | 651.18 | 2   | 363.02 | 2   | 95.22  | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 1,616.05 | 1/4 | 1,285.09 | 1/4 | 955.90   | 1/4 | 644.94 | 1/4 | 357.21 | 1/4 | 89.87  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,609.15 | 1/2 | 1,278.19 | 1/2 | 949.18   | 1/2 | 638.70 | 1/2 | 351.41 | 1/2 | 84.52  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,602.26 | 3/4 | 1,271.30 | 3/4 | 942.49   | 3/4 | 632.51 | 3/4 | 345.64 | 3/4 | 79.21  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 1,595.36 | 3   | 1,264.40 | 3   | 935.81   | 3   | 626.32 | 3   | 339.87 | 3   | 73.90  | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 1,588.47 | 1/4 | 1,257.51 | 1/4 | 929.12   | 1/4 | 620.12 | 1/4 | 334.10 | 1/4 | 68.59  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,581.57 | 1/2 | 1,250.61 | 1/2 | 922.44   | 1/2 | 613.93 | 1/2 | 328.33 | 1/2 | 63.27  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,574.68 | 3/4 | 1,243.72 | 3/4 | 915.79   | 3/4 | 607.79 | 3/4 | 322.60 | 3/4 | 58.00  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 1,567.78 | 4   | 1,236.82 | 4   | 909.14   | 4   | 601.65 | 4   | 316.86 | 4   | 52.73  | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 1,560.89 | 1/4 | 1,229.93 | 1/4 | 902.50   | 1/4 | 595.51 | 1/4 | 311.13 | 1/4 | 47.45  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,553.99 | 1/2 | 1,223.03 | 1/2 | 895.85   | 1/2 | 589.36 | 1/2 | 305.40 | 1/2 | 42.18  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,547.10 | 3/4 | 1,216.14 | 3/4 | 889.24   | 3/4 | 583.26 | 3/4 | 299.71 | 3/4 | 37.52  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 1,540.20 | 5   | 1,209.24 | 5   | 882.63   | 5   | 577.16 | 5   | 294.01 | 5   | 32.86  | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 1,533.31 | 1/4 | 1,202.35 | 1/4 | 876.02   | 1/4 | 571.05 | 1/4 | 288.32 | 1/4 | 28.19  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,526.41 | 1/2 | 1,195.45 | 1/2 | 869.41   | 1/2 | 564.95 | 1/2 | 282.63 | 1/2 | 23.53  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,519.52 | 3/4 | 1,188.56 | 3/4 | 862.84   | 3/4 | 558.88 | 3/4 | 276.97 | 3/4 | 20.20  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 1,512.62 | 6   | 1,181.66 | 6   | 856.27   | 6   | 552.82 | 6   | 271.32 | 6   | 16.87  | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 1,505.73 | 1/4 | 1,174.77 | 1/4 | 849.70   | 1/4 | 546.75 | 1/4 | 265.66 | 1/4 | 13.53  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,498.83 | 1/2 | 1,167.87 | 1/2 | 843.13   | 1/2 | 540.68 | 1/2 | 260.00 | 1/2 | 10.20  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,491.94 | 3/4 | 1,160.98 | 3/4 | 836.60   | 3/4 | 534.66 | 3/4 | 254.39 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 1,485.04 | 7   | 1,154.08 | 7   | 830.06   | 7   | 528.63 | 7   | 248.77 | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 1,478.15 | 1/4 | 1,147.19 | 1/4 | 823.53   | 1/4 | 522.60 | 1/4 | 243.15 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,471.25 | 1/2 | 1,140.29 | 1/2 | 817.00   | 1/2 | 516.57 | 1/2 | 237.54 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,464.36 | 3/4 | 1,133.40 | 3/4 | 810.50   | 3/4 | 510.58 | 3/4 | 231.96 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 1,457.46 | 8   | 1,126.50 | 8   | 804.01   | 8   | 504.59 | 8   | 226.38 | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 1,450.57 | 1/4 | 1,119.61 | 1/4 | 797.51   | 1/4 | 498.60 | 1/4 | 220.80 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,443.67 | 1/2 | 1,112.71 | 1/2 | 791.02   | 1/2 | 492.61 | 1/2 | 215.22 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,436.78 | 3/4 | 1,105.82 | 3/4 | 784.56   | 3/4 | 486.66 | 3/4 | 209.68 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 1,429.88 | 9   | 1,098.93 | 9   | 778.11   | 9   | 480.71 | 9   | 204.14 | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 1,422.99 | 1/4 | 1,092.04 | 1/4 | 771.65   | 1/4 | 474.76 | 1/4 | 198.60 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,416.09 | 1/2 | 1,085.15 | 1/2 | 765.19   | 1/2 | 468.81 | 1/2 | 193.06 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,409.20 | 3/4 | 1,078.28 | 3/4 | 758.78   | 3/4 | 462.89 | 3/4 | 187.55 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 1,402.30 | 10  | 1,071.41 | 10  | 752.36   | 10  | 456.98 | 10  | 182.05 | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 1,395.41 | 1/4 | 1,064.54 | 1/4 | 745.94   | 1/4 | 451.07 | 1/4 | 176.55 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,388.51 | 1/2 | 1,057.67 | 1/2 | 739.52   | 1/2 | 445.15 | 1/2 | 171.04 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,381.62 | 3/4 | 1,050.83 | 3/4 | 733.15   | 3/4 | 439.26 | 3/4 | 165.58 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 1,374.72 | 11  | 1,043.99 | 11  | 726.79   | 11  | 433.36 | 11  | 160.11 | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 1,367.83 | 1/4 | 1,037.15 | 1/4 | 720.42   | 1/4 | 427.46 | 1/4 | 154.65 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,360.93 | 1/2 | 1,030.32 | 1/2 | 714.05   | 1/2 | 421.56 | 1/2 | 149.19 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,354.04 | 3/4 | 1,023.52 | 3/4 | 707.73   | 3/4 | 415.68 | 3/4 | 143.76 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/17/2020 JS  
CALCULATED: 08/17/2020 CL  
PRINTED: 08/18/2020 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2020

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "TMTB 101"

## 2 PORT ULLAGE TABLE

### HERMETIC GAUGE HEIGHT 15'-06"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

| IN  | 0 FT. | IN  | 1 FT.    | IN  | 2 FT.    | IN  | 3 FT.    | IN  | 4 FT.    | IN  | 5 FT.    | IN  | 6 FT.    | IN  | 7 FT.    | IN  | 8 FT.    | IN  | 9 FT.    |
|-----|-------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| 0   |       | 0   | 5,554.02 | 0   | 5,203.11 | 0   | 4,840.81 | 0   | 4,459.66 | 0   | 4,071.90 | 0   | 3,684.14 | 0   | 3,296.37 | 0   | 2,908.61 | 0   | 2,520.84 |
| 1/4 |       | 1/4 | 5,547.69 | 1/4 | 5,195.74 | 1/4 | 4,833.03 | 1/4 | 4,451.59 | 1/4 | 4,063.82 | 1/4 | 3,676.06 | 1/4 | 3,288.30 | 1/4 | 2,900.53 | 1/4 | 2,512.76 |
| 1/2 |       | 1/2 | 5,541.36 | 1/2 | 5,188.37 | 1/2 | 4,825.26 | 1/2 | 4,443.51 | 1/2 | 4,055.74 | 1/2 | 3,667.98 | 1/2 | 3,280.22 | 1/2 | 2,892.45 | 1/2 | 2,504.68 |
| 3/4 |       | 3/4 | 5,535.03 | 3/4 | 5,181.01 | 3/4 | 4,817.48 | 3/4 | 4,435.43 | 3/4 | 4,047.67 | 3/4 | 3,659.90 | 3/4 | 3,272.14 | 3/4 | 2,884.38 | 3/4 | 2,496.60 |
| 1   |       | 1   | 5,528.70 | 1   | 5,173.64 | 1   | 4,809.71 | 1   | 4,427.35 | 1   | 4,039.59 | 1   | 3,651.82 | 1   | 3,264.06 | 1   | 2,876.30 | 1   | 2,488.52 |
| 1/4 |       | 1/4 | 5,521.16 | 1/4 | 5,166.24 | 1/4 | 4,801.90 | 1/4 | 4,419.27 | 1/4 | 4,031.51 | 1/4 | 3,643.75 | 1/4 | 3,255.98 | 1/4 | 2,868.22 | 1/4 | 2,480.44 |
| 1/2 |       | 1/2 | 5,513.62 | 1/2 | 5,158.84 | 1/2 | 4,794.10 | 1/2 | 4,411.19 | 1/2 | 4,023.43 | 1/2 | 3,635.67 | 1/2 | 3,247.90 | 1/2 | 2,860.14 | 1/2 | 2,472.36 |
| 3/4 |       | 3/4 | 5,506.08 | 3/4 | 5,151.44 | 3/4 | 4,786.29 | 3/4 | 4,403.12 | 3/4 | 4,015.35 | 3/4 | 3,627.59 | 3/4 | 3,239.83 | 3/4 | 2,852.06 | 3/4 | 2,464.28 |
| 2   |       | 2   | 5,498.54 | 2   | 5,144.05 | 2   | 4,778.48 | 2   | 4,395.04 | 2   | 4,007.27 | 2   | 3,619.51 | 2   | 3,231.75 | 2   | 2,843.98 | 2   | 2,456.19 |
| 1/4 |       | 1/4 | 5,490.59 | 1/4 | 5,136.62 | 1/4 | 4,770.65 | 1/4 | 4,386.96 | 1/4 | 3,999.20 | 1/4 | 3,611.43 | 1/4 | 3,223.67 | 1/4 | 2,835.91 | 1/4 | 2,448.11 |
| 1/2 |       | 1/2 | 5,482.65 | 1/2 | 5,129.19 | 1/2 | 4,762.81 | 1/2 | 4,378.88 | 1/2 | 3,991.12 | 1/2 | 3,603.35 | 1/2 | 3,215.59 | 1/2 | 2,827.83 | 1/2 | 2,440.03 |
| 3/4 |       | 3/4 | 5,474.70 | 3/4 | 5,121.76 | 3/4 | 4,754.97 | 3/4 | 4,370.80 | 3/4 | 3,983.04 | 3/4 | 3,595.28 | 3/4 | 3,207.51 | 3/4 | 2,819.75 | 3/4 | 2,431.95 |
| 3   |       | 3   | 5,466.76 | 3   | 5,114.33 | 3   | 4,747.14 | 3   | 4,362.72 | 3   | 3,974.96 | 3   | 3,587.20 | 3   | 3,199.43 | 3   | 2,811.67 | 3   | 2,423.87 |
| 1/4 |       | 1/4 | 5,458.82 | 1/4 | 5,106.87 | 1/4 | 4,739.27 | 1/4 | 4,354.65 | 1/4 | 3,966.88 | 1/4 | 3,579.12 | 1/4 | 3,191.36 | 1/4 | 2,803.59 | 1/4 | 2,415.79 |
| 1/2 |       | 1/2 | 5,450.87 | 1/2 | 5,099.41 | 1/2 | 4,731.40 | 1/2 | 4,346.57 | 1/2 | 3,958.80 | 1/2 | 3,571.04 | 1/2 | 3,183.28 | 1/2 | 2,795.51 | 1/2 | 2,407.71 |
| 3/4 |       | 3/4 | 5,442.93 | 3/4 | 5,091.95 | 3/4 | 4,723.53 | 3/4 | 4,338.49 | 3/4 | 3,950.73 | 3/4 | 3,562.96 | 3/4 | 3,175.20 | 3/4 | 2,787.44 | 3/4 | 2,399.63 |
| 4   |       | 4   | 5,434.99 | 4   | 5,084.49 | 4   | 4,715.67 | 4   | 4,330.41 | 4   | 3,942.65 | 4   | 3,554.88 | 4   | 3,167.12 | 4   | 2,779.36 | 4   | 2,391.55 |
| 1/4 |       | 1/4 | 5,427.49 | 1/4 | 5,077.00 | 1/4 | 4,707.77 | 1/4 | 4,322.33 | 1/4 | 3,934.57 | 1/4 | 3,546.81 | 1/4 | 3,159.04 | 1/4 | 2,771.28 | 1/4 | 2,383.47 |
| 1/2 |       | 1/2 | 5,420.00 | 1/2 | 5,069.51 | 1/2 | 4,699.87 | 1/2 | 4,314.25 | 1/2 | 3,926.49 | 1/2 | 3,538.73 | 1/2 | 3,150.96 | 1/2 | 2,763.20 | 1/2 | 2,375.39 |
| 3/4 |       | 3/4 | 5,412.51 | 3/4 | 5,062.02 | 3/4 | 4,691.97 | 3/4 | 4,306.17 | 3/4 | 3,918.41 | 3/4 | 3,530.65 | 3/4 | 3,142.89 | 3/4 | 2,755.12 | 3/4 | 2,367.31 |
| 5   |       | 5   | 5,405.02 | 5   | 5,054.53 | 5   | 4,684.07 | 5   | 4,298.10 | 5   | 3,910.33 | 5   | 3,522.57 | 5   | 3,134.81 | 5   | 2,747.04 | 5   | 2,359.23 |
| 1/4 |       | 1/4 | 5,397.96 | 1/4 | 5,047.01 | 1/4 | 4,676.14 | 1/4 | 4,290.02 | 1/4 | 3,902.25 | 1/4 | 3,514.49 | 1/4 | 3,126.73 | 1/4 | 2,738.97 | 1/4 | 2,351.15 |
| 1/2 |       | 1/2 | 5,390.90 | 1/2 | 5,039.49 | 1/2 | 4,668.22 | 1/2 | 4,281.94 | 1/2 | 3,894.18 | 1/2 | 3,506.41 | 1/2 | 3,118.65 | 1/2 | 2,730.89 | 1/2 | 2,343.06 |
| 3/4 |       | 3/4 | 5,383.84 | 3/4 | 5,031.97 | 3/4 | 4,660.29 | 3/4 | 4,273.86 | 3/4 | 3,886.10 | 3/4 | 3,498.33 | 3/4 | 3,110.57 | 3/4 | 2,722.81 | 3/4 | 2,334.98 |
| 6   |       | 6   | 5,376.78 | 6   | 5,024.45 | 6   | 4,652.36 | 6   | 4,265.78 | 6   | 3,878.02 | 6   | 3,490.26 | 6   | 3,102.49 | 6   | 2,714.73 | 6   | 2,326.90 |
| 1/4 |       | 1/4 | 5,369.70 | 1/4 | 5,016.90 | 1/4 | 4,644.40 | 1/4 | 4,257.70 | 1/4 | 3,869.94 | 1/4 | 3,482.18 | 1/4 | 3,094.41 | 1/4 | 2,706.65 | 1/4 | 2,318.82 |
| 1/2 |       | 1/2 | 5,362.61 | 1/2 | 5,009.34 | 1/2 | 4,636.44 | 1/2 | 4,249.63 | 1/2 | 3,861.86 | 1/2 | 3,474.10 | 1/2 | 3,086.34 | 1/2 | 2,698.57 | 1/2 | 2,310.74 |
| 3/4 |       | 3/4 | 5,355.52 | 3/4 | 5,001.79 | 3/4 | 4,628.48 | 3/4 | 4,241.55 | 3/4 | 3,853.78 | 3/4 | 3,466.02 | 3/4 | 3,078.26 | 3/4 | 2,690.49 | 3/4 | 2,302.66 |
| 7   |       | 7   | 5,348.43 | 7   | 4,994.24 | 7   | 4,620.52 | 7   | 4,233.47 | 7   | 3,845.71 | 7   | 3,457.94 | 7   | 3,070.18 | 7   | 2,682.42 | 7   | 2,294.58 |
| 1/4 |       | 1/4 | 5,341.26 | 1/4 | 4,986.66 | 1/4 | 4,612.53 | 1/4 | 4,225.39 | 1/4 | 3,837.63 | 1/4 | 3,449.86 | 1/4 | 3,062.10 | 1/4 | 2,674.34 | 1/4 | 2,286.50 |
| 1/2 |       | 1/2 | 5,334.10 | 1/2 | 4,979.08 | 1/2 | 4,604.54 | 1/2 | 4,217.31 | 1/2 | 3,829.55 | 1/2 | 3,441.79 | 1/2 | 3,054.02 | 1/2 | 2,666.26 | 1/2 | 2,278.42 |
| 3/4 |       | 3/4 | 5,326.93 | 3/4 | 4,971.49 | 3/4 | 4,596.55 | 3/4 | 4,209.23 | 3/4 | 3,821.47 | 3/4 | 3,433.71 | 3/4 | 3,045.94 | 3/4 | 2,658.18 | 3/4 | 2,270.34 |
| 8   |       | 8   | 5,319.76 | 8   | 4,963.91 | 8   | 4,588.56 | 8   | 4,201.16 | 8   | 3,813.39 | 8   | 3,425.63 | 8   | 3,037.87 | 8   | 2,650.10 | 8   | 2,262.26 |
| 1/4 |       | 1/4 | 5,312.52 | 1/4 | 4,956.28 | 1/4 | 4,580.54 | 1/4 | 4,193.08 | 1/4 | 3,805.31 | 1/4 | 3,417.55 | 1/4 | 3,029.79 | 1/4 | 2,642.02 | 1/4 | 2,254.18 |
| 1/2 |       | 1/2 | 5,305.27 | 1/2 | 4,948.65 | 1/2 | 4,572.52 | 1/2 | 4,185.00 | 1/2 | 3,797.24 | 1/2 | 3,409.47 | 1/2 | 3,021.71 | 1/2 | 2,633.95 | 1/2 | 2,246.10 |
| 3/4 |       | 3/4 | 5,298.03 | 3/4 | 4,941.01 | 3/4 | 4,564.50 | 3/4 | 4,176.92 | 3/4 | 3,789.16 | 3/4 | 3,401.39 | 3/4 | 3,013.63 | 3/4 | 2,625.87 | 3/4 | 2,238.02 |
| 9   |       | 9   | 5,290.78 | 9   | 4,933.38 | 9   | 4,556.47 | 9   | 4,168.84 | 9   | 3,781.08 | 9   | 3,393.32 | 9   | 3,005.55 | 9   | 2,617.79 | 9   | 2,229.93 |
| 1/4 |       | 1/4 | 5,283.51 | 1/4 | 4,925.70 | 1/4 | 4,548.42 | 1/4 | 4,160.76 | 1/4 | 3,773.00 | 1/4 | 3,385.24 | 1/4 | 2,997.47 | 1/4 | 2,609.71 | 1/4 | 2,221.85 |
| 1/2 |       | 1/2 | 5,276.23 | 1/2 | 4,918.01 | 1/2 | 4,540.37 | 1/2 | 4,152.69 | 1/2 | 3,764.92 | 1/2 | 3,377.16 | 1/2 | 2,989.40 | 1/2 | 2,601.63 | 1/2 | 2,213.77 |
| 3/4 |       | 3/4 | 5,268.96 | 3/4 | 4,910.33 | 3/4 | 4,532.32 | 3/4 | 4,144.61 | 3/4 | 3,756.84 | 3/4 | 3,369.08 | 3/4 | 2,981.32 | 3/4 | 2,593.55 | 3/4 | 2,205.69 |
| 10  |       | 10  | 5,261.68 | 10  | 4,902.65 | 10  | 4,524.27 | 10  | 4,136.53 | 10  | 3,748.77 | 10  | 3,361.00 | 10  | 2,973.24 | 10  | 2,585.48 | 10  | 2,197.61 |
| 1/4 |       | 1/4 | 5,254.38 | 1/4 | 4,894.93 | 1/4 | 4,516.20 | 1/4 | 4,128.45 | 1/4 | 3,740.69 | 1/4 | 3,352.92 | 1/4 | 2,965.16 | 1/4 | 2,577.40 | 1/4 | 2,189.53 |
| 1/2 |       | 1/2 | 5,247.07 | 1/2 | 4,887.22 | 1/2 | 4,508.12 | 1/2 | 4,120.37 | 1/2 | 3,732.61 | 1/2 | 3,344.85 | 1/2 | 2,957.08 | 1/2 | 2,569.32 | 1/2 | 2,181.45 |
| 3/4 |       | 3/4 | 5,239.76 | 3/4 | 4,879.50 | 3/4 | 4,500.05 | 3/4 | 4,112.29 | 3/4 | 3,724.53 | 3/4 | 3,336.77 | 3/4 | 2,949.00 | 3/4 | 2,561.24 | 3/4 | 2,173.37 |
| 11  |       | 11  | 5,232.46 | 11  | 4,871.79 | 11  | 4,491.98 | 11  | 4,104.21 | 11  | 3,716.45 | 11  | 3,328.69 | 11  | 2,940.93 | 11  | 2,553.16 | 11  | 2,165.29 |
| 1/4 |       | 1/4 | 5,225.12 | 1/4 | 4,864.04 | 1/4 | 4,483.90 | 1/4 | 4,096.14 | 1/4 | 3,708.37 | 1/4 | 3,320.61 | 1/4 | 2,932.85 | 1/4 | 2,545.08 | 1/4 | 2,157.21 |
| 1/2 |       | 1/2 | 5,217.78 | 1/2 | 4,856.30 | 1/2 | 4,475.82 | 1/2 | 4,088.06 | 1/2 | 3,700.29 | 1/2 | 3,312.53 | 1/2 | 2,924.77 | 1/2 | 2,537.00 | 1/2 | 2,149.13 |
| 3/4 |       | 3/4 | 5,210.45 | 3/4 | 4,848.55 | 3/4 | 4,467.74 | 3/4 | 4,079.98 | 3/4 | 3,692.22 | 3/4 | 3,304.45 | 3/4 | 2,916.69 | 3/4 | 2,528.92 | 3/4 | 2,141.05 |

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 11'-09" OFF CENTERLINE AND 41'-06 3/4" 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 101"

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

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

| IN  | 10 FT.   | IN  | 11 FT.   | IN  | 12 FT.   | IN  | 13 FT. | IN  | 14 FT. | IN  | 15 FT. | IN  | 16 FT. | IN  | 17 FT. | IN  | 18 FT. | IN  | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0   | 2,132.97 | 0   | 1,745.09 | 0   | 1,357.22 | 0   | 969.35 | 0   | 582.20 | 0   | 194.34 | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 2,124.89 | 1/4 | 1,737.01 | 1/4 | 1,349.14 | 1/4 | 961.26 | 1/4 | 574.12 | 1/4 | 186.26 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,116.81 | 1/2 | 1,728.93 | 1/2 | 1,341.06 | 1/2 | 953.18 | 1/2 | 566.04 | 1/2 | 178.18 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,108.72 | 3/4 | 1,720.85 | 3/4 | 1,332.98 | 3/4 | 945.10 | 3/4 | 557.96 | 3/4 | 170.10 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 2,100.64 | 1   | 1,712.77 | 1   | 1,324.90 | 1   | 937.02 | 1   | 549.88 | 1   | 162.02 | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 2,092.56 | 1/4 | 1,704.69 | 1/4 | 1,316.82 | 1/4 | 928.94 | 1/4 | 541.80 | 1/4 | 153.94 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,084.48 | 1/2 | 1,696.61 | 1/2 | 1,308.74 | 1/2 | 920.86 | 1/2 | 533.72 | 1/2 | 145.86 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,076.40 | 3/4 | 1,688.53 | 3/4 | 1,300.65 | 3/4 | 912.78 | 3/4 | 525.64 | 3/4 | 137.77 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 2,068.32 | 2   | 1,680.45 | 2   | 1,292.57 | 2   | 904.70 | 2   | 517.56 | 2   | 129.69 | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 2,060.24 | 1/4 | 1,672.37 | 1/4 | 1,284.49 | 1/4 | 896.63 | 1/4 | 509.48 | 1/4 | 121.61 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,052.16 | 1/2 | 1,664.29 | 1/2 | 1,276.41 | 1/2 | 888.56 | 1/2 | 501.40 | 1/2 | 113.53 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,044.08 | 3/4 | 1,656.21 | 3/4 | 1,268.33 | 3/4 | 880.49 | 3/4 | 493.32 | 3/4 | 105.45 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 2,036.00 | 3   | 1,648.12 | 3   | 1,260.25 | 3   | 872.42 | 3   | 485.24 | 3   | 97.37  | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 2,027.92 | 1/4 | 1,640.04 | 1/4 | 1,252.17 | 1/4 | 864.36 | 1/4 | 477.16 | 1/4 | 89.29  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,019.84 | 1/2 | 1,631.96 | 1/2 | 1,244.09 | 1/2 | 856.31 | 1/2 | 469.08 | 1/2 | 81.21  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,011.76 | 3/4 | 1,623.88 | 3/4 | 1,236.01 | 3/4 | 848.25 | 3/4 | 460.99 | 3/4 | 73.13  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 2,003.68 | 4   | 1,615.80 | 4   | 1,227.93 | 4   | 840.19 | 4   | 452.91 | 4   | 65.05  | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 1,995.59 | 1/4 | 1,607.72 | 1/4 | 1,219.85 | 1/4 | 832.13 | 1/4 | 444.83 | 1/4 | 57.64  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,987.51 | 1/2 | 1,599.64 | 1/2 | 1,211.77 | 1/2 | 824.07 | 1/2 | 436.75 | 1/2 | 50.24  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,979.43 | 3/4 | 1,591.56 | 3/4 | 1,203.69 | 3/4 | 816.02 | 3/4 | 428.67 | 3/4 | 42.83  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 1,971.35 | 5   | 1,583.48 | 5   | 1,195.61 | 5   | 807.96 | 5   | 420.59 | 5   | 35.42  | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 1,963.27 | 1/4 | 1,575.40 | 1/4 | 1,187.52 | 1/4 | 799.90 | 1/4 | 412.51 | 1/4 | 30.04  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,955.19 | 1/2 | 1,567.32 | 1/2 | 1,179.44 | 1/2 | 791.84 | 1/2 | 404.43 | 1/2 | 24.65  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,947.11 | 3/4 | 1,559.24 | 3/4 | 1,171.36 | 3/4 | 783.78 | 3/4 | 396.35 | 3/4 | 19.26  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 1,939.03 | 6   | 1,551.16 | 6   | 1,163.28 | 6   | 775.73 | 6   | 388.27 | 6   | 13.88  | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 1,930.95 | 1/4 | 1,543.08 | 1/4 | 1,155.20 | 1/4 | 767.67 | 1/4 | 380.19 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,922.87 | 1/2 | 1,534.99 | 1/2 | 1,147.12 | 1/2 | 759.61 | 1/2 | 372.11 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,914.79 | 3/4 | 1,526.91 | 3/4 | 1,139.04 | 3/4 | 751.55 | 3/4 | 364.03 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 1,906.71 | 7   | 1,518.83 | 7   | 1,130.96 | 7   | 743.49 | 7   | 355.95 | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 1,898.63 | 1/4 | 1,510.75 | 1/4 | 1,122.88 | 1/4 | 735.44 | 1/4 | 347.87 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,890.55 | 1/2 | 1,502.67 | 1/2 | 1,114.80 | 1/2 | 727.38 | 1/2 | 339.79 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,882.46 | 3/4 | 1,494.59 | 3/4 | 1,106.72 | 3/4 | 719.32 | 3/4 | 331.71 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 1,874.38 | 8   | 1,486.51 | 8   | 1,098.64 | 8   | 711.26 | 8   | 323.63 | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 1,866.30 | 1/4 | 1,478.43 | 1/4 | 1,090.56 | 1/4 | 703.20 | 1/4 | 315.55 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,858.22 | 1/2 | 1,470.35 | 1/2 | 1,082.48 | 1/2 | 695.15 | 1/2 | 307.47 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,850.14 | 3/4 | 1,462.27 | 3/4 | 1,074.39 | 3/4 | 687.09 | 3/4 | 299.38 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 1,842.06 | 9   | 1,454.19 | 9   | 1,066.31 | 9   | 679.03 | 9   | 291.30 | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 1,833.98 | 1/4 | 1,446.11 | 1/4 | 1,058.23 | 1/4 | 670.97 | 1/4 | 283.22 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,825.90 | 1/2 | 1,438.03 | 1/2 | 1,050.15 | 1/2 | 662.91 | 1/2 | 275.14 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,817.82 | 3/4 | 1,429.95 | 3/4 | 1,042.07 | 3/4 | 654.86 | 3/4 | 267.06 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 1,809.74 | 10  | 1,421.86 | 10  | 1,033.99 | 10  | 646.80 | 10  | 258.98 | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 1,801.66 | 1/4 | 1,413.78 | 1/4 | 1,025.91 | 1/4 | 638.73 | 1/4 | 250.90 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,793.58 | 1/2 | 1,405.70 | 1/2 | 1,017.83 | 1/2 | 630.66 | 1/2 | 242.82 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,785.50 | 3/4 | 1,397.62 | 3/4 | 1,009.75 | 3/4 | 622.59 | 3/4 | 234.74 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 1,777.42 | 11  | 1,389.54 | 11  | 1,001.67 | 11  | 614.52 | 11  | 226.66 | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 1,769.33 | 1/4 | 1,381.46 | 1/4 | 993.59   | 1/4 | 606.44 | 1/4 | 218.58 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,761.25 | 1/2 | 1,373.38 | 1/2 | 985.51   | 1/2 | 598.36 | 1/2 | 210.50 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,753.17 | 3/4 | 1,365.30 | 3/4 | 977.43   | 3/4 | 590.28 | 3/4 | 202.42 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/17/2020 JS  
CALCULATED: 08/17/2020 CL  
PRINTED: 08/18/2020 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2020

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



# BARGE "TMTB 101"

## 2 STBD ULLAGE TABLE

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

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

| IN  | 0 FT. | IN  | 1 FT.    | IN  | 2 FT.    | IN  | 3 FT.    | IN  | 4 FT.    | IN  | 5 FT.    | IN  | 6 FT.    | IN  | 7 FT.    | IN  | 8 FT.    | IN  | 9 FT.    |
|-----|-------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| 0   |       | 0   |          | 0   | 5,210.98 | 0   | 4,848.89 | 0   | 4,467.81 | 0   | 4,079.44 | 0   | 3,691.07 | 0   | 3,302.70 | 0   | 2,914.34 | 0   | 2,525.96 |
| 1/4 |       | 1/4 |          | 1/4 | 5,203.63 | 1/4 | 4,841.13 | 1/4 | 4,459.72 | 1/4 | 4,071.35 | 1/4 | 3,682.98 | 1/4 | 3,294.61 | 1/4 | 2,906.24 | 1/4 | 2,517.87 |
| 1/2 |       | 1/2 | 5,547.78 | 1/2 | 5,196.28 | 1/2 | 4,833.38 | 1/2 | 4,451.63 | 1/2 | 4,063.26 | 1/2 | 3,674.89 | 1/2 | 3,286.52 | 1/2 | 2,898.15 | 1/2 | 2,509.78 |
| 3/4 |       | 3/4 | 5,541.44 | 3/4 | 5,188.90 | 3/4 | 4,825.59 | 3/4 | 4,443.53 | 3/4 | 4,055.17 | 3/4 | 3,666.80 | 3/4 | 3,278.43 | 3/4 | 2,890.06 | 3/4 | 2,501.68 |
| 1   |       | 1   | 5,535.10 | 1   | 5,181.52 | 1   | 4,817.80 | 1   | 4,435.44 | 1   | 4,047.08 | 1   | 3,658.71 | 1   | 3,270.34 | 1   | 2,881.97 | 1   | 2,493.59 |
| 1/4 |       | 1/4 | 5,528.76 | 1/4 | 5,174.14 | 1/4 | 4,810.01 | 1/4 | 4,427.35 | 1/4 | 4,038.98 | 1/4 | 3,650.62 | 1/4 | 3,262.25 | 1/4 | 2,873.88 | 1/4 | 2,485.50 |
| 1/2 |       | 1/2 | 5,522.42 | 1/2 | 5,166.76 | 1/2 | 4,802.22 | 1/2 | 4,419.26 | 1/2 | 4,030.89 | 1/2 | 3,642.53 | 1/2 | 3,254.16 | 1/2 | 2,865.79 | 1/2 | 2,477.40 |
| 3/4 |       | 3/4 | 5,514.87 | 3/4 | 5,159.35 | 3/4 | 4,794.40 | 3/4 | 4,411.17 | 3/4 | 4,022.80 | 3/4 | 3,634.43 | 3/4 | 3,246.07 | 3/4 | 2,857.70 | 3/4 | 2,469.31 |
| 2   |       | 2   | 5,507.32 | 2   | 5,151.94 | 2   | 4,786.59 | 2   | 4,403.08 | 2   | 4,014.71 | 2   | 3,626.34 | 2   | 3,237.98 | 2   | 2,849.61 | 2   | 2,461.22 |
| 1/4 |       | 1/4 | 5,499.76 | 1/4 | 5,144.53 | 1/4 | 4,778.77 | 1/4 | 4,394.99 | 1/4 | 4,006.62 | 1/4 | 3,618.25 | 1/4 | 3,229.88 | 1/4 | 2,841.52 | 1/4 | 2,453.12 |
| 1/2 |       | 1/2 | 5,492.21 | 1/2 | 5,137.12 | 1/2 | 4,770.95 | 1/2 | 4,386.90 | 1/2 | 3,998.53 | 1/2 | 3,610.16 | 1/2 | 3,221.79 | 1/2 | 2,833.43 | 1/2 | 2,445.03 |
| 3/4 |       | 3/4 | 5,484.25 | 3/4 | 5,129.67 | 3/4 | 4,763.10 | 3/4 | 4,378.81 | 3/4 | 3,990.44 | 3/4 | 3,602.07 | 3/4 | 3,213.70 | 3/4 | 2,825.33 | 3/4 | 2,436.94 |
| 3   |       | 3   | 5,476.30 | 3   | 5,122.23 | 3   | 4,755.25 | 3   | 4,370.72 | 3   | 3,982.35 | 3   | 3,593.98 | 3   | 3,205.61 | 3   | 2,817.24 | 3   | 2,428.84 |
| 1/4 |       | 1/4 | 5,468.34 | 1/4 | 5,114.79 | 1/4 | 4,747.40 | 1/4 | 4,362.62 | 1/4 | 3,974.26 | 1/4 | 3,585.89 | 1/4 | 3,197.52 | 1/4 | 2,809.15 | 1/4 | 2,420.75 |
| 1/2 |       | 1/2 | 5,460.39 | 1/2 | 5,107.35 | 1/2 | 4,739.55 | 1/2 | 4,354.53 | 1/2 | 3,966.17 | 1/2 | 3,577.80 | 1/2 | 3,189.43 | 1/2 | 2,801.06 | 1/2 | 2,412.66 |
| 3/4 |       | 3/4 | 5,452.43 | 3/4 | 5,099.88 | 3/4 | 4,731.67 | 3/4 | 4,346.44 | 3/4 | 3,958.07 | 3/4 | 3,569.71 | 3/4 | 3,181.34 | 3/4 | 2,792.97 | 3/4 | 2,404.56 |
| 4   |       | 4   | 5,444.47 | 4   | 5,092.40 | 4   | 4,723.79 | 4   | 4,338.35 | 4   | 3,949.98 | 4   | 3,561.62 | 4   | 3,173.25 | 4   | 2,784.88 | 4   | 2,396.47 |
| 1/4 |       | 1/4 | 5,436.52 | 1/4 | 5,084.93 | 1/4 | 4,715.91 | 1/4 | 4,330.26 | 1/4 | 3,941.89 | 1/4 | 3,553.52 | 1/4 | 3,165.16 | 1/4 | 2,776.79 | 1/4 | 2,388.38 |
| 1/2 |       | 1/2 | 5,428.56 | 1/2 | 5,077.46 | 1/2 | 4,708.03 | 1/2 | 4,322.17 | 1/2 | 3,933.80 | 1/2 | 3,545.43 | 1/2 | 3,157.07 | 1/2 | 2,768.70 | 1/2 | 2,380.28 |
| 3/4 |       | 3/4 | 5,421.06 | 3/4 | 5,069.96 | 3/4 | 4,700.12 | 3/4 | 4,314.08 | 3/4 | 3,925.71 | 3/4 | 3,537.34 | 3/4 | 3,148.97 | 3/4 | 2,760.61 | 3/4 | 2,372.19 |
| 5   |       | 5   | 5,413.55 | 5   | 5,062.45 | 5   | 4,692.21 | 5   | 4,305.99 | 5   | 3,917.62 | 5   | 3,529.25 | 5   | 3,140.88 | 5   | 2,752.52 | 5   | 2,364.10 |
| 1/4 |       | 1/4 | 5,406.04 | 1/4 | 5,054.95 | 1/4 | 4,684.30 | 1/4 | 4,297.90 | 1/4 | 3,909.53 | 1/4 | 3,521.16 | 1/4 | 3,132.79 | 1/4 | 2,744.42 | 1/4 | 2,356.00 |
| 1/2 |       | 1/2 | 5,398.54 | 1/2 | 5,047.45 | 1/2 | 4,676.39 | 1/2 | 4,289.81 | 1/2 | 3,901.44 | 1/2 | 3,513.07 | 1/2 | 3,124.70 | 1/2 | 2,736.33 | 1/2 | 2,347.91 |
| 3/4 |       | 3/4 | 5,391.47 | 3/4 | 5,039.92 | 3/4 | 4,668.44 | 3/4 | 4,281.71 | 3/4 | 3,893.35 | 3/4 | 3,504.98 | 3/4 | 3,116.61 | 3/4 | 2,728.24 | 3/4 | 2,339.82 |
| 6   |       | 6   | 5,384.40 | 6   | 5,032.38 | 6   | 4,660.50 | 6   | 4,273.62 | 6   | 3,885.26 | 6   | 3,496.89 | 6   | 3,108.52 | 6   | 2,720.15 | 6   | 2,331.72 |
| 1/4 |       | 1/4 | 5,377.33 | 1/4 | 5,024.85 | 1/4 | 4,652.56 | 1/4 | 4,265.53 | 1/4 | 3,877.16 | 1/4 | 3,488.80 | 1/4 | 3,100.43 | 1/4 | 2,712.06 | 1/4 | 2,323.63 |
| 1/2 |       | 1/2 | 5,370.26 | 1/2 | 5,017.31 | 1/2 | 4,644.62 | 1/2 | 4,257.44 | 1/2 | 3,869.07 | 1/2 | 3,480.71 | 1/2 | 3,092.34 | 1/2 | 2,703.97 | 1/2 | 2,315.54 |
| 3/4 |       | 3/4 | 5,363.16 | 3/4 | 5,009.75 | 3/4 | 4,636.65 | 3/4 | 4,249.35 | 3/4 | 3,860.98 | 3/4 | 3,472.61 | 3/4 | 3,084.25 | 3/4 | 2,695.88 | 3/4 | 2,307.44 |
| 7   |       | 7   | 5,356.05 | 7   | 5,002.19 | 7   | 4,628.68 | 7   | 4,241.26 | 7   | 3,852.89 | 7   | 3,464.52 | 7   | 3,076.16 | 7   | 2,687.79 | 7   | 2,299.35 |
| 1/4 |       | 1/4 | 5,348.95 | 1/4 | 4,994.62 | 1/4 | 4,620.70 | 1/4 | 4,233.17 | 1/4 | 3,844.80 | 1/4 | 3,456.43 | 1/4 | 3,068.06 | 1/4 | 2,679.70 | 1/4 | 2,291.26 |
| 1/2 |       | 1/2 | 5,341.85 | 1/2 | 4,987.06 | 1/2 | 4,612.73 | 1/2 | 4,225.08 | 1/2 | 3,836.71 | 1/2 | 3,448.34 | 1/2 | 3,059.97 | 1/2 | 2,671.61 | 1/2 | 2,283.16 |
| 3/4 |       | 3/4 | 5,334.67 | 3/4 | 4,979.46 | 3/4 | 4,604.73 | 3/4 | 4,216.99 | 3/4 | 3,828.62 | 3/4 | 3,440.25 | 3/4 | 3,051.88 | 3/4 | 2,663.51 | 3/4 | 2,275.07 |
| 8   |       | 8   | 5,327.49 | 8   | 4,971.87 | 8   | 4,596.73 | 8   | 4,208.90 | 8   | 3,820.53 | 8   | 3,432.16 | 8   | 3,043.79 | 8   | 2,655.42 | 8   | 2,266.98 |
| 1/4 |       | 1/4 | 5,320.31 | 1/4 | 4,964.27 | 1/4 | 4,588.72 | 1/4 | 4,200.80 | 1/4 | 3,812.44 | 1/4 | 3,424.07 | 1/4 | 3,035.70 | 1/4 | 2,647.33 | 1/4 | 2,258.88 |
| 1/2 |       | 1/2 | 5,313.14 | 1/2 | 4,956.68 | 1/2 | 4,580.72 | 1/2 | 4,192.71 | 1/2 | 3,804.35 | 1/2 | 3,415.98 | 1/2 | 3,027.61 | 1/2 | 2,639.24 | 1/2 | 2,250.79 |
| 3/4 |       | 3/4 | 5,305.88 | 3/4 | 4,949.03 | 3/4 | 4,572.69 | 3/4 | 4,184.62 | 3/4 | 3,796.25 | 3/4 | 3,407.89 | 3/4 | 3,019.52 | 3/4 | 2,631.15 | 3/4 | 2,242.70 |
| 9   |       | 9   | 5,298.62 | 9   | 4,941.39 | 9   | 4,564.65 | 9   | 4,176.53 | 9   | 3,788.16 | 9   | 3,399.80 | 9   | 3,011.43 | 9   | 2,623.06 | 9   | 2,234.60 |
| 1/4 |       | 1/4 | 5,291.36 | 1/4 | 4,933.74 | 1/4 | 4,556.62 | 1/4 | 4,168.44 | 1/4 | 3,780.07 | 1/4 | 3,391.70 | 1/4 | 3,003.34 | 1/4 | 2,614.97 | 1/4 | 2,226.51 |
| 1/2 |       | 1/2 | 5,284.11 | 1/2 | 4,926.10 | 1/2 | 4,548.59 | 1/2 | 4,160.35 | 1/2 | 3,771.98 | 1/2 | 3,383.61 | 1/2 | 2,995.25 | 1/2 | 2,606.88 | 1/2 | 2,218.42 |
| 3/4 |       | 3/4 | 5,276.82 | 3/4 | 4,918.40 | 3/4 | 4,540.52 | 3/4 | 4,152.26 | 3/4 | 3,763.89 | 3/4 | 3,375.52 | 3/4 | 2,987.15 | 3/4 | 2,598.79 | 3/4 | 2,210.32 |
| 10  |       | 10  | 5,269.53 | 10  | 4,910.70 | 10  | 4,532.46 | 10  | 4,144.17 | 10  | 3,755.80 | 10  | 3,367.43 | 10  | 2,979.06 | 10  | 2,590.70 | 10  | 2,202.23 |
| 1/4 |       | 1/4 | 5,262.24 | 1/4 | 4,903.01 | 1/4 | 4,524.39 | 1/4 | 4,136.08 | 1/4 | 3,747.71 | 1/4 | 3,359.34 | 1/4 | 2,970.97 | 1/4 | 2,582.60 | 1/4 | 2,194.14 |
| 1/2 |       | 1/2 | 5,254.95 | 1/2 | 4,895.31 | 1/2 | 4,516.33 | 1/2 | 4,127.99 | 1/2 | 3,739.62 | 1/2 | 3,351.25 | 1/2 | 2,962.88 | 1/2 | 2,574.51 | 1/2 | 2,186.04 |
| 3/4 |       | 3/4 | 5,247.63 | 3/4 | 4,887.58 | 3/4 | 4,508.24 | 3/4 | 4,119.89 | 3/4 | 3,731.53 | 3/4 | 3,343.16 | 3/4 | 2,954.79 | 3/4 | 2,566.42 | 3/4 | 2,177.95 |
| 11  |       | 11  | 5,240.31 | 11  | 4,879.86 | 11  | 4,500.16 | 11  | 4,111.80 | 11  | 3,723.44 | 11  | 3,335.07 | 11  | 2,946.70 | 11  | 2,558.33 | 11  | 2,169.86 |
| 1/4 |       | 1/4 | 5,233.00 | 1/4 | 4,872.13 | 1/4 | 4,492.07 | 1/4 | 4,103.71 | 1/4 | 3,715.34 | 1/4 | 3,326.98 | 1/4 | 2,938.61 | 1/4 | 2,550.24 | 1/4 | 2,161.76 |
| 1/2 |       | 1/2 | 5,225.68 | 1/2 | 4,864.40 | 1/2 | 4,483.99 | 1/2 | 4,095.62 | 1/2 | 3,707.25 | 1/2 | 3,318.89 | 1/2 | 2,930.52 | 1/2 | 2,542.15 | 1/2 | 2,153.67 |
| 3/4 |       | 3/4 | 5,218.33 | 3/4 | 4,856.65 | 3/4 | 4,475.90 | 3/4 | 4,087.53 | 3/4 | 3,699.16 | 3/4 | 3,310.79 | 3/4 | 2,922.43 | 3/4 | 2,534.06 | 3/4 | 2,145.58 |

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 11'-09" OFF CENTERLINE AND 41'-06 3/4" 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 101"

2 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 15'-06 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

| IN  | 10 FT.   | IN  | 11 FT.   | IN  | 12 FT.   | IN  | 13 FT. | IN  | 14 FT. | IN  | 15 FT. | IN  | 16 FT. | IN  | 17 FT. | IN  | 18 FT. | IN  | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0   | 2,137.48 | 0   | 1,749.01 | 0   | 1,360.53 | 0   | 973.30 | 0   | 599.30 | 0   | 210.83 | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 2,129.39 | 1/4 | 1,740.91 | 1/4 | 1,352.43 | 1/4 | 965.52 | 1/4 | 591.20 | 1/4 | 202.74 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,121.30 | 1/2 | 1,732.82 | 1/2 | 1,344.34 | 1/2 | 957.74 | 1/2 | 583.11 | 1/2 | 194.65 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,113.20 | 3/4 | 1,724.73 | 3/4 | 1,336.25 | 3/4 | 949.96 | 3/4 | 575.02 | 3/4 | 186.55 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 2,105.11 | 1   | 1,716.63 | 1   | 1,328.15 | 1   | 942.18 | 1   | 566.92 | 1   | 178.46 | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 2,097.02 | 1/4 | 1,708.54 | 1/4 | 1,320.06 | 1/4 | 934.40 | 1/4 | 558.83 | 1/4 | 170.37 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,088.92 | 1/2 | 1,700.45 | 1/2 | 1,311.97 | 1/2 | 926.61 | 1/2 | 550.74 | 1/2 | 162.27 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,080.83 | 3/4 | 1,692.35 | 3/4 | 1,303.87 | 3/4 | 918.83 | 3/4 | 542.65 | 3/4 | 154.18 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 2,072.74 | 2   | 1,684.26 | 2   | 1,295.78 | 2   | 911.05 | 2   | 534.55 | 2   | 146.09 | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 2,064.64 | 1/4 | 1,676.17 | 1/4 | 1,287.69 | 1/4 | 903.27 | 1/4 | 526.46 | 1/4 | 138.00 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,056.55 | 1/2 | 1,668.07 | 1/2 | 1,279.59 | 1/2 | 895.49 | 1/2 | 518.37 | 1/2 | 129.90 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,048.46 | 3/4 | 1,659.98 | 3/4 | 1,271.50 | 3/4 | 887.72 | 3/4 | 510.27 | 3/4 | 121.81 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 2,040.36 | 3   | 1,651.89 | 3   | 1,263.41 | 3   | 879.95 | 3   | 502.18 | 3   | 113.72 | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 2,032.27 | 1/4 | 1,643.79 | 1/4 | 1,255.31 | 1/4 | 872.18 | 1/4 | 494.09 | 1/4 | 105.62 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,024.18 | 1/2 | 1,635.70 | 1/2 | 1,247.22 | 1/2 | 864.42 | 1/2 | 485.99 | 1/2 | 97.53  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,016.08 | 3/4 | 1,627.61 | 3/4 | 1,239.13 | 3/4 | 856.66 | 3/4 | 477.90 | 3/4 | 89.44  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 2,007.99 | 4   | 1,619.51 | 4   | 1,231.03 | 4   | 848.90 | 4   | 469.81 | 4   | 81.34  | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 1,999.90 | 1/4 | 1,611.42 | 1/4 | 1,222.94 | 1/4 | 841.14 | 1/4 | 461.72 | 1/4 | 73.25  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,991.80 | 1/2 | 1,603.33 | 1/2 | 1,214.85 | 1/2 | 833.38 | 1/2 | 453.62 | 1/2 | 65.16  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,983.71 | 3/4 | 1,595.23 | 3/4 | 1,206.75 | 3/4 | 825.62 | 3/4 | 445.53 | 3/4 | 57.74  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 1,975.62 | 5   | 1,587.14 | 5   | 1,198.66 | 5   | 817.87 | 5   | 437.44 | 5   | 50.32  | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 1,967.52 | 1/4 | 1,579.05 | 1/4 | 1,190.57 | 1/4 | 810.11 | 1/4 | 429.34 | 1/4 | 42.90  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,959.43 | 1/2 | 1,570.95 | 1/2 | 1,182.47 | 1/2 | 802.35 | 1/2 | 421.25 | 1/2 | 35.48  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,951.34 | 3/4 | 1,562.86 | 3/4 | 1,174.38 | 3/4 | 794.59 | 3/4 | 413.16 | 3/4 | 30.09  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 1,943.25 | 6   | 1,554.77 | 6   | 1,166.29 | 6   | 786.83 | 6   | 405.06 | 6   | 24.69  | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 1,935.15 | 1/4 | 1,546.67 | 1/4 | 1,158.19 | 1/4 | 779.08 | 1/4 | 396.97 | 1/4 | 19.30  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,927.06 | 1/2 | 1,538.58 | 1/2 | 1,150.10 | 1/2 | 771.32 | 1/2 | 388.88 | 1/2 | 13.90  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,918.97 | 3/4 | 1,530.49 | 3/4 | 1,142.01 | 3/4 | 763.56 | 3/4 | 380.79 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 1,910.87 | 7   | 1,522.39 | 7   | 1,133.92 | 7   | 755.80 | 7   | 372.69 | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 1,902.78 | 1/4 | 1,514.30 | 1/4 | 1,125.82 | 1/4 | 748.04 | 1/4 | 364.60 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,894.69 | 1/2 | 1,506.21 | 1/2 | 1,117.73 | 1/2 | 740.29 | 1/2 | 356.51 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,886.59 | 3/4 | 1,498.11 | 3/4 | 1,109.64 | 3/4 | 732.53 | 3/4 | 348.41 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 1,878.50 | 8   | 1,490.02 | 8   | 1,101.54 | 8   | 724.77 | 8   | 340.32 | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 1,870.41 | 1/4 | 1,481.93 | 1/4 | 1,093.45 | 1/4 | 717.01 | 1/4 | 332.23 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,862.31 | 1/2 | 1,473.83 | 1/2 | 1,085.36 | 1/2 | 709.25 | 1/2 | 324.13 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,854.22 | 3/4 | 1,465.74 | 3/4 | 1,077.26 | 3/4 | 701.50 | 3/4 | 316.04 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 1,846.13 | 9   | 1,457.65 | 9   | 1,069.17 | 9   | 693.74 | 9   | 307.95 | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 1,838.03 | 1/4 | 1,449.55 | 1/4 | 1,061.08 | 1/4 | 685.98 | 1/4 | 299.86 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,829.94 | 1/2 | 1,441.46 | 1/2 | 1,052.98 | 1/2 | 678.22 | 1/2 | 291.76 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,821.85 | 3/4 | 1,433.37 | 3/4 | 1,044.89 | 3/4 | 670.46 | 3/4 | 283.67 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 1,813.75 | 10  | 1,425.27 | 10  | 1,036.80 | 10  | 662.70 | 10  | 275.58 | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 1,805.66 | 1/4 | 1,417.18 | 1/4 | 1,028.70 | 1/4 | 654.95 | 1/4 | 267.48 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,797.57 | 1/2 | 1,409.09 | 1/2 | 1,020.61 | 1/2 | 647.19 | 1/2 | 259.39 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,789.47 | 3/4 | 1,400.99 | 3/4 | 1,012.67 | 3/4 | 639.26 | 3/4 | 251.30 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 1,781.38 | 11  | 1,392.90 | 11  | 1,004.73 | 11  | 631.34 | 11  | 243.20 | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 1,773.29 | 1/4 | 1,384.81 | 1/4 | 996.80   | 1/4 | 623.41 | 1/4 | 235.11 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,765.19 | 1/2 | 1,376.71 | 1/2 | 988.86   | 1/2 | 615.48 | 1/2 | 227.02 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,757.10 | 3/4 | 1,368.62 | 3/4 | 981.08   | 3/4 | 607.39 | 3/4 | 218.93 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/17/2020 JS  
CALCULATED: 08/17/2020 CL  
PRINTED: 08/18/2020 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2020

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



# BARGE "TMTB 101"

## 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   | 4,527.06 | 0   | 4,279.46 | 0   | 4,017.51 | 0   | 3,750.78 | 0   | 3,434.81 | 0   | 3,074.20 | 0   | 2,713.70 | 0   | 2,353.20 |
| 1/4 |       | 1/4 | 4,759.76 | 1/4 | 4,522.05 | 1/4 | 4,274.13 | 1/4 | 4,011.96 | 1/4 | 3,745.22 | 1/4 | 3,427.29 | 1/4 | 3,066.69 | 1/4 | 2,706.19 | 1/4 | 2,345.69 |
| 1/2 |       | 1/2 | 4,755.84 | 1/2 | 4,517.02 | 1/2 | 4,268.78 | 1/2 | 4,006.40 | 1/2 | 3,739.67 | 1/2 | 3,419.76 | 1/2 | 3,059.18 | 1/2 | 2,698.68 | 1/2 | 2,338.18 |
| 3/4 |       | 3/4 | 4,751.91 | 3/4 | 4,511.99 | 3/4 | 4,263.44 | 3/4 | 4,000.84 | 3/4 | 3,734.11 | 3/4 | 3,412.23 | 3/4 | 3,051.67 | 3/4 | 2,691.17 | 3/4 | 2,330.67 |
| 1   |       | 1   | 4,747.99 | 1   | 4,506.96 | 1   | 4,258.09 | 1   | 3,995.29 | 1   | 3,728.55 | 1   | 3,404.71 | 1   | 3,044.16 | 1   | 2,683.66 | 1   | 2,323.16 |
| 1/4 |       | 1/4 | 4,744.06 | 1/4 | 4,501.93 | 1/4 | 4,252.74 | 1/4 | 3,989.73 | 1/4 | 3,723.00 | 1/4 | 3,397.18 | 1/4 | 3,036.65 | 1/4 | 2,676.15 | 1/4 | 2,315.65 |
| 1/2 |       | 1/2 | 4,739.01 | 1/2 | 4,496.88 | 1/2 | 4,247.37 | 1/2 | 3,984.17 | 1/2 | 3,717.44 | 1/2 | 3,389.66 | 1/2 | 3,029.14 | 1/2 | 2,668.64 | 1/2 | 2,308.14 |
| 3/4 |       | 3/4 | 4,733.95 | 3/4 | 4,491.83 | 3/4 | 4,242.00 | 3/4 | 3,978.61 | 3/4 | 3,711.88 | 3/4 | 3,382.14 | 3/4 | 3,021.63 | 3/4 | 2,661.13 | 3/4 | 2,300.63 |
| 2   |       | 2   | 4,728.90 | 2   | 4,486.78 | 2   | 4,236.63 | 2   | 3,973.06 | 2   | 3,706.33 | 2   | 3,374.63 | 2   | 3,014.12 | 2   | 2,653.62 | 2   | 2,293.12 |
| 1/4 |       | 1/4 | 4,723.84 | 1/4 | 4,481.73 | 1/4 | 4,231.26 | 1/4 | 3,967.50 | 1/4 | 3,700.77 | 1/4 | 3,367.11 | 1/4 | 3,006.61 | 1/4 | 2,646.11 | 1/4 | 2,285.61 |
| 1/2 |       | 1/2 | 4,718.41 | 1/2 | 4,476.66 | 1/2 | 4,225.87 | 1/2 | 3,961.94 | 1/2 | 3,695.21 | 1/2 | 3,359.60 | 1/2 | 2,999.10 | 1/2 | 2,638.60 | 1/2 | 2,278.10 |
| 3/4 |       | 3/4 | 4,712.98 | 3/4 | 4,471.59 | 3/4 | 4,220.48 | 3/4 | 3,956.39 | 3/4 | 3,689.66 | 3/4 | 3,352.09 | 3/4 | 2,991.59 | 3/4 | 2,631.09 | 3/4 | 2,270.59 |
| 3   |       | 3   | 4,707.55 | 3   | 4,466.51 | 3   | 4,215.09 | 3   | 3,950.83 | 3   | 3,684.10 | 3   | 3,344.58 | 3   | 2,984.08 | 3   | 2,623.58 | 3   | 2,263.08 |
| 1/4 |       | 1/4 | 4,702.12 | 1/4 | 4,461.44 | 1/4 | 4,209.70 | 1/4 | 3,945.27 | 1/4 | 3,678.54 | 1/4 | 3,337.07 | 1/4 | 2,976.57 | 1/4 | 2,616.07 | 1/4 | 2,255.57 |
| 1/2 |       | 1/2 | 4,696.69 | 1/2 | 4,456.35 | 1/2 | 4,204.29 | 1/2 | 3,939.72 | 1/2 | 3,672.99 | 1/2 | 3,329.56 | 1/2 | 2,969.06 | 1/2 | 2,608.56 | 1/2 | 2,248.06 |
| 3/4 |       | 3/4 | 4,691.26 | 3/4 | 4,451.26 | 3/4 | 4,198.87 | 3/4 | 3,934.16 | 3/4 | 3,667.43 | 3/4 | 3,322.05 | 3/4 | 2,961.55 | 3/4 | 2,601.05 | 3/4 | 2,240.54 |
| 4   |       | 4   | 4,685.83 | 4   | 4,446.16 | 4   | 4,193.46 | 4   | 3,928.60 | 4   | 3,661.87 | 4   | 3,314.53 | 4   | 2,954.04 | 4   | 2,593.54 | 4   | 2,233.03 |
| 1/4 |       | 1/4 | 4,680.40 | 1/4 | 4,441.07 | 1/4 | 4,188.05 | 1/4 | 3,923.05 | 1/4 | 3,656.31 | 1/4 | 3,307.02 | 1/4 | 2,946.53 | 1/4 | 2,586.03 | 1/4 | 2,225.52 |
| 1/2 |       | 1/2 | 4,675.28 | 1/2 | 4,435.95 | 1/2 | 4,182.62 | 1/2 | 3,917.49 | 1/2 | 3,650.76 | 1/2 | 3,299.51 | 1/2 | 2,939.01 | 1/2 | 2,578.52 | 1/2 | 2,218.00 |
| 3/4 |       | 3/4 | 4,670.16 | 3/4 | 4,430.84 | 3/4 | 4,177.19 | 3/4 | 3,911.93 | 3/4 | 3,645.20 | 3/4 | 3,292.00 | 3/4 | 2,931.50 | 3/4 | 2,571.01 | 3/4 | 2,210.48 |
| 5   |       | 5   | 4,665.04 | 5   | 4,425.73 | 5   | 4,171.75 | 5   | 3,906.37 | 5   | 3,639.64 | 5   | 3,284.49 | 5   | 2,923.99 | 5   | 2,563.49 | 5   | 2,202.96 |
| 1/4 |       | 1/4 | 4,659.92 | 1/4 | 4,420.61 | 1/4 | 4,166.32 | 1/4 | 3,900.82 | 1/4 | 3,634.09 | 1/4 | 3,276.98 | 1/4 | 2,916.48 | 1/4 | 2,555.98 | 1/4 | 2,195.45 |
| 1/2 |       | 1/2 | 4,655.10 | 1/2 | 4,415.48 | 1/2 | 4,160.87 | 1/2 | 3,895.26 | 1/2 | 3,627.55 | 1/2 | 3,269.47 | 1/2 | 2,908.97 | 1/2 | 2,548.47 | 1/2 | 2,187.93 |
| 3/4 |       | 3/4 | 4,650.27 | 3/4 | 4,410.34 | 3/4 | 4,155.41 | 3/4 | 3,889.70 | 3/4 | 3,621.00 | 3/4 | 3,261.96 | 3/4 | 2,901.46 | 3/4 | 2,540.96 | 3/4 | 2,180.41 |
| 6   |       | 6   | 4,645.45 | 6   | 4,405.21 | 6   | 4,149.96 | 6   | 3,884.15 | 6   | 3,614.46 | 6   | 3,254.45 | 6   | 2,893.95 | 6   | 2,533.45 | 6   | 2,172.89 |
| 1/4 |       | 1/4 | 4,640.63 | 1/4 | 4,400.07 | 1/4 | 4,144.50 | 1/4 | 3,878.59 | 1/4 | 3,607.92 | 1/4 | 3,246.94 | 1/4 | 2,886.44 | 1/4 | 2,525.94 | 1/4 | 2,165.38 |
| 1/2 |       | 1/2 | 4,635.79 | 1/2 | 4,394.91 | 1/2 | 4,139.03 | 1/2 | 3,873.03 | 1/2 | 3,600.39 | 1/2 | 3,239.43 | 1/2 | 2,878.93 | 1/2 | 2,518.43 | 1/2 | 2,157.86 |
| 3/4 |       | 3/4 | 4,630.95 | 3/4 | 4,389.76 | 3/4 | 4,133.55 | 3/4 | 3,867.48 | 3/4 | 3,592.87 | 3/4 | 3,231.92 | 3/4 | 2,871.42 | 3/4 | 2,510.92 | 3/4 | 2,150.34 |
| 7   |       | 7   | 4,626.10 | 7   | 4,384.60 | 7   | 4,128.08 | 7   | 3,861.92 | 7   | 3,585.34 | 7   | 3,224.41 | 7   | 2,863.91 | 7   | 2,503.41 | 7   | 2,142.82 |
| 1/4 |       | 1/4 | 4,621.26 | 1/4 | 4,379.44 | 1/4 | 4,122.60 | 1/4 | 3,856.36 | 1/4 | 3,577.81 | 1/4 | 3,216.90 | 1/4 | 2,856.40 | 1/4 | 2,495.90 | 1/4 | 2,135.31 |
| 1/2 |       | 1/2 | 4,616.37 | 1/2 | 4,374.27 | 1/2 | 4,117.11 | 1/2 | 3,850.81 | 1/2 | 3,570.29 | 1/2 | 3,209.39 | 1/2 | 2,848.89 | 1/2 | 2,488.39 | 1/2 | 2,127.79 |
| 3/4 |       | 3/4 | 4,611.47 | 3/4 | 4,369.09 | 3/4 | 4,111.61 | 3/4 | 3,845.25 | 3/4 | 3,562.76 | 3/4 | 3,201.88 | 3/4 | 2,841.38 | 3/4 | 2,480.88 | 3/4 | 2,120.27 |
| 8   |       | 8   | 4,606.58 | 8   | 4,363.91 | 8   | 4,106.11 | 8   | 3,839.69 | 8   | 3,555.24 | 8   | 3,194.37 | 8   | 2,833.87 | 8   | 2,473.37 | 8   | 2,112.75 |
| 1/4 |       | 1/4 | 4,601.69 | 1/4 | 4,358.73 | 1/4 | 4,100.62 | 1/4 | 3,834.14 | 1/4 | 3,547.71 | 1/4 | 3,186.86 | 1/4 | 2,826.36 | 1/4 | 2,465.86 | 1/4 | 2,105.23 |
| 1/2 |       | 1/2 | 4,596.74 | 1/2 | 4,353.50 | 1/2 | 4,095.10 | 1/2 | 3,828.58 | 1/2 | 3,540.18 | 1/2 | 3,179.35 | 1/2 | 2,818.85 | 1/2 | 2,458.35 | 1/2 | 2,097.72 |
| 3/4 |       | 3/4 | 4,591.80 | 3/4 | 4,348.27 | 3/4 | 4,089.58 | 3/4 | 3,823.02 | 3/4 | 3,532.66 | 3/4 | 3,171.84 | 3/4 | 2,811.34 | 3/4 | 2,450.84 | 3/4 | 2,090.20 |
| 9   |       | 9   | 4,586.85 | 9   | 4,343.04 | 9   | 4,084.07 | 9   | 3,817.46 | 9   | 3,525.13 | 9   | 3,164.33 | 9   | 2,803.83 | 9   | 2,443.33 | 9   | 2,082.68 |
| 1/4 |       | 1/4 | 4,581.91 | 1/4 | 4,337.81 | 1/4 | 4,078.55 | 1/4 | 3,811.91 | 1/4 | 3,517.60 | 1/4 | 3,156.82 | 1/4 | 2,796.32 | 1/4 | 2,435.82 | 1/4 | 2,075.16 |
| 1/2 |       | 1/2 | 4,576.94 | 1/2 | 4,332.52 | 1/2 | 4,073.01 | 1/2 | 3,806.35 | 1/2 | 3,510.08 | 1/2 | 3,149.31 | 1/2 | 2,788.81 | 1/2 | 2,428.31 | 1/2 | 2,067.65 |
| 3/4 |       | 3/4 | 4,571.97 | 3/4 | 4,327.24 | 3/4 | 4,067.47 | 3/4 | 3,800.79 | 3/4 | 3,502.55 | 3/4 | 3,141.80 | 3/4 | 2,781.30 | 3/4 | 2,420.80 | 3/4 | 2,060.13 |
| 10  |       | 10  | 4,567.01 | 10  | 4,321.95 | 10  | 4,061.93 | 10  | 3,795.24 | 10  | 3,495.02 | 10  | 3,134.29 | 10  | 2,773.79 | 10  | 2,413.29 | 10  | 2,052.61 |
| 1/4 |       | 1/4 | 4,562.04 | 1/4 | 4,316.67 | 1/4 | 4,056.40 | 1/4 | 3,789.68 | 1/4 | 3,487.50 | 1/4 | 3,126.77 | 1/4 | 2,766.28 | 1/4 | 2,405.78 | 1/4 | 2,045.09 |
| 1/2 |       | 1/2 | 4,557.05 | 1/2 | 4,311.36 | 1/2 | 4,050.84 | 1/2 | 3,784.12 | 1/2 | 3,479.97 | 1/2 | 3,119.26 | 1/2 | 2,758.77 | 1/2 | 2,398.27 | 1/2 | 2,037.58 |
| 3/4 |       | 3/4 | 4,552.06 | 3/4 | 4,306.05 | 3/4 | 4,045.29 | 3/4 | 3,778.57 | 3/4 | 3,472.45 | 3/4 | 3,111.75 | 3/4 | 2,751.25 | 3/4 | 2,390.76 | 3/4 | 2,030.06 |
| 11  |       | 11  | 4,547.08 | 11  | 4,300.75 | 11  | 4,039.74 | 11  | 3,773.01 | 11  | 3,464.92 | 11  | 3,104.24 | 11  | 2,743.74 | 11  | 2,383.25 | 11  | 2,022.54 |
| 1/4 |       | 1/4 | 4,542.09 | 1/4 | 4,295.44 | 1/4 | 4,034.18 | 1/4 | 3,767.45 | 1/4 | 3,457.39 | 1/4 | 3,096.73 | 1/4 | 2,736.23 | 1/4 | 2,375.73 | 1/4 | 2,015.02 |
| 1/2 |       | 1/2 | 4,537.08 | 1/2 | 4,290.12 | 1/2 | 4,028.63 | 1/2 | 3,761.90 | 1/2 | 3,449.87 | 1/2 | 3,089.22 | 1/2 | 2,728.72 | 1/2 | 2,368.22 | 1/2 | 2,007.50 |
| 3/4 |       | 3/4 | 4,532.07 | 3/4 | 4,284.79 | 3/4 | 4,023.07 | 3/4 | 3,756.34 | 3/4 | 3,442.34 | 3/4 | 3,081.71 | 3/4 | 2,721.21 | 3/4 | 2,360.71 | 3/4 | 1,999.99 |

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 11'-09" OFF CENTERLINE AND 45'-03 1/2" 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 101"

## 3 PORT 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   | 1,992.47 | 0   | 1,631.62 | 0   | 1,270.71 | 0   | 910.35 | 0   | 549.82 | 0   | 188.57 | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 1,984.95 | 1/4 | 1,624.10 | 1/4 | 1,263.18 | 1/4 | 902.84 | 1/4 | 542.30 | 1/4 | 181.04 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,977.43 | 1/2 | 1,616.58 | 1/2 | 1,255.66 | 1/2 | 895.31 | 1/2 | 534.77 | 1/2 | 173.51 | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,969.92 | 3/4 | 1,609.07 | 3/4 | 1,248.13 | 3/4 | 887.78 | 3/4 | 527.25 | 3/4 | 165.99 | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 1   | 1,962.40 | 1   | 1,601.55 | 1   | 1,240.61 | 1   | 880.26 | 1   | 519.72 | 1   | 158.46 | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 1,954.88 | 1/4 | 1,594.03 | 1/4 | 1,233.08 | 1/4 | 872.73 | 1/4 | 512.19 | 1/4 | 150.94 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,947.36 | 1/2 | 1,586.51 | 1/2 | 1,225.56 | 1/2 | 865.21 | 1/2 | 504.67 | 1/2 | 143.41 | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,939.85 | 3/4 | 1,579.00 | 3/4 | 1,218.03 | 3/4 | 857.68 | 3/4 | 497.14 | 3/4 | 135.88 | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 2   | 1,932.33 | 2   | 1,571.48 | 2   | 1,210.51 | 2   | 850.15 | 2   | 489.61 | 2   | 128.36 | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 1,924.81 | 1/4 | 1,563.96 | 1/4 | 1,202.98 | 1/4 | 842.63 | 1/4 | 482.09 | 1/4 | 120.83 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,917.29 | 1/2 | 1,556.44 | 1/2 | 1,195.46 | 1/2 | 835.11 | 1/2 | 474.56 | 1/2 | 113.30 | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,909.77 | 3/4 | 1,548.92 | 3/4 | 1,187.93 | 3/4 | 827.60 | 3/4 | 467.04 | 3/4 | 105.78 | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 3   | 1,902.26 | 3   | 1,541.41 | 3   | 1,180.41 | 3   | 820.08 | 3   | 459.51 | 3   | 98.25  | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 1,894.74 | 1/4 | 1,533.89 | 1/4 | 1,172.88 | 1/4 | 812.56 | 1/4 | 451.98 | 1/4 | 90.73  | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,887.22 | 1/2 | 1,526.37 | 1/2 | 1,165.37 | 1/2 | 805.06 | 1/2 | 444.46 | 1/2 | 83.20  | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,879.70 | 3/4 | 1,518.85 | 3/4 | 1,157.86 | 3/4 | 797.56 | 3/4 | 436.93 | 3/4 | 75.67  | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 4   | 1,872.19 | 4   | 1,511.34 | 4   | 1,150.35 | 4   | 790.05 | 4   | 429.40 | 4   | 68.15  | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 1,864.67 | 1/4 | 1,503.82 | 1/4 | 1,142.84 | 1/4 | 782.55 | 1/4 | 421.88 | 1/4 | 60.62  | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,857.15 | 1/2 | 1,496.30 | 1/2 | 1,135.34 | 1/2 | 775.05 | 1/2 | 414.35 | 1/2 | 53.72  | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,849.63 | 3/4 | 1,488.78 | 3/4 | 1,127.84 | 3/4 | 767.54 | 3/4 | 406.83 | 3/4 | 46.82  | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 5   | 1,842.12 | 5   | 1,481.27 | 5   | 1,120.34 | 5   | 760.04 | 5   | 399.30 | 5   | 39.92  | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 1,834.60 | 1/4 | 1,473.75 | 1/4 | 1,112.84 | 1/4 | 752.54 | 1/4 | 391.77 | 1/4 | 33.03  | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,827.08 | 1/2 | 1,466.23 | 1/2 | 1,105.35 | 1/2 | 745.03 | 1/2 | 384.25 | 1/2 | 28.01  | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,819.56 | 3/4 | 1,458.71 | 3/4 | 1,097.85 | 3/4 | 737.53 | 3/4 | 376.72 | 3/4 | 22.99  | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 6   | 1,812.04 | 6   | 1,451.19 | 6   | 1,090.35 | 6   | 730.02 | 6   | 369.20 | 6   | 17.97  | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 1,804.53 | 1/4 | 1,443.68 | 1/4 | 1,082.85 | 1/4 | 722.52 | 1/4 | 361.67 | 1/4 | 12.95  | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,797.01 | 1/2 | 1,436.16 | 1/2 | 1,075.35 | 1/2 | 715.02 | 1/2 | 354.14 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,789.49 | 3/4 | 1,428.64 | 3/4 | 1,067.85 | 3/4 | 707.51 | 3/4 | 346.62 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 7   | 1,781.97 | 7   | 1,421.12 | 7   | 1,060.36 | 7   | 700.01 | 7   | 339.09 | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 1,774.46 | 1/4 | 1,413.61 | 1/4 | 1,052.86 | 1/4 | 692.51 | 1/4 | 331.56 | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,766.94 | 1/2 | 1,406.09 | 1/2 | 1,045.36 | 1/2 | 685.00 | 1/2 | 324.04 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,759.42 | 3/4 | 1,398.57 | 3/4 | 1,037.86 | 3/4 | 677.50 | 3/4 | 316.51 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 8   | 1,751.90 | 8   | 1,391.05 | 8   | 1,030.36 | 8   | 669.99 | 8   | 308.99 | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 1,744.39 | 1/4 | 1,383.54 | 1/4 | 1,022.87 | 1/4 | 662.49 | 1/4 | 301.46 | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,736.87 | 1/2 | 1,376.02 | 1/2 | 1,015.37 | 1/2 | 654.99 | 1/2 | 293.93 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,729.35 | 3/4 | 1,368.50 | 3/4 | 1,007.87 | 3/4 | 647.48 | 3/4 | 286.41 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 9   | 1,721.83 | 9   | 1,360.98 | 9   | 1,000.37 | 9   | 639.98 | 9   | 278.88 | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 1,714.31 | 1/4 | 1,353.46 | 1/4 | 992.87   | 1/4 | 632.48 | 1/4 | 271.35 | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,706.80 | 1/2 | 1,345.94 | 1/2 | 985.37   | 1/2 | 624.97 | 1/2 | 263.83 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,699.28 | 3/4 | 1,338.42 | 3/4 | 977.88   | 3/4 | 617.47 | 3/4 | 256.30 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 10  | 1,691.76 | 10  | 1,330.90 | 10  | 970.38   | 10  | 609.96 | 10  | 248.78 | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 1,684.24 | 1/4 | 1,323.38 | 1/4 | 962.88   | 1/4 | 602.46 | 1/4 | 241.25 | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,676.73 | 1/2 | 1,315.85 | 1/2 | 955.38   | 1/2 | 594.95 | 1/2 | 233.72 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,669.21 | 3/4 | 1,308.33 | 3/4 | 947.88   | 3/4 | 587.43 | 3/4 | 226.20 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 11  | 1,661.69 | 11  | 1,300.80 | 11  | 940.38   | 11  | 579.92 | 11  | 218.67 | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 1,654.17 | 1/4 | 1,293.28 | 1/4 | 932.89   | 1/4 | 572.40 | 1/4 | 211.15 | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,646.66 | 1/2 | 1,285.76 | 1/2 | 925.37   | 1/2 | 564.88 | 1/2 | 203.62 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,639.14 | 3/4 | 1,278.23 | 3/4 | 917.86   | 3/4 | 557.35 | 3/4 | 196.09 | 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: 08/17/2020 JS  
CALCULATED: 08/17/2020 CL  
PRINTED: 08/18/2020 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2020

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



# BARGE "TMTB 101"

## 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   | 4,518.75 | 0   | 4,270.30 | 0   | 4,007.51 | 0   | 3,739.93 | 0   | 3,423.18 | 0   | 3,062.00 | 0   | 2,700.88 | 0   | 2,339.80 |
| 1/4 |       | 1/4 | 4,752.27 | 1/4 | 4,513.73 | 1/4 | 4,264.96 | 1/4 | 4,001.94 | 1/4 | 3,734.36 | 1/4 | 3,415.65 | 1/4 | 3,054.47 | 1/4 | 2,693.36 | 1/4 | 2,332.28 |
| 1/2 |       | 1/2 | 4,748.33 | 1/2 | 4,508.68 | 1/2 | 4,259.59 | 1/2 | 3,996.36 | 1/2 | 3,728.78 | 1/2 | 3,408.11 | 1/2 | 3,046.95 | 1/2 | 2,685.83 | 1/2 | 2,324.75 |
| 3/4 |       | 3/4 | 4,744.39 | 3/4 | 4,503.63 | 3/4 | 4,254.23 | 3/4 | 3,990.79 | 3/4 | 3,723.21 | 3/4 | 3,400.58 | 3/4 | 3,039.43 | 3/4 | 2,678.31 | 3/4 | 2,317.22 |
| 1   |       | 1   | 4,740.45 | 1   | 4,498.58 | 1   | 4,248.86 | 1   | 3,985.21 | 1   | 3,717.64 | 1   | 3,393.05 | 1   | 3,031.90 | 1   | 2,670.79 | 1   | 2,309.70 |
| 1/4 |       | 1/4 | 4,736.51 | 1/4 | 4,493.54 | 1/4 | 4,243.50 | 1/4 | 3,979.64 | 1/4 | 3,712.06 | 1/4 | 3,385.52 | 1/4 | 3,024.38 | 1/4 | 2,663.27 | 1/4 | 2,302.17 |
| 1/2 |       | 1/2 | 4,731.44 | 1/2 | 4,488.47 | 1/2 | 4,238.11 | 1/2 | 3,974.06 | 1/2 | 3,706.49 | 1/2 | 3,377.99 | 1/2 | 3,016.86 | 1/2 | 2,655.75 | 1/2 | 2,294.64 |
| 3/4 |       | 3/4 | 4,726.37 | 3/4 | 4,483.40 | 3/4 | 4,232.72 | 3/4 | 3,968.49 | 3/4 | 3,700.91 | 3/4 | 3,370.46 | 3/4 | 3,009.33 | 3/4 | 2,648.23 | 3/4 | 2,287.12 |
| 2   |       | 2   | 4,721.29 | 2   | 4,478.33 | 2   | 4,227.33 | 2   | 3,962.91 | 2   | 3,695.34 | 2   | 3,362.93 | 2   | 3,001.81 | 2   | 2,640.71 | 2   | 2,279.59 |
| 1/4 |       | 1/4 | 4,716.22 | 1/4 | 4,473.26 | 1/4 | 4,221.95 | 1/4 | 3,957.34 | 1/4 | 3,689.76 | 1/4 | 3,355.41 | 1/4 | 2,994.29 | 1/4 | 2,633.18 | 1/4 | 2,272.06 |
| 1/2 |       | 1/2 | 4,710.77 | 1/2 | 4,468.17 | 1/2 | 4,216.54 | 1/2 | 3,951.76 | 1/2 | 3,684.19 | 1/2 | 3,347.88 | 1/2 | 2,986.76 | 1/2 | 2,625.66 | 1/2 | 2,264.54 |
| 3/4 |       | 3/4 | 4,705.33 | 3/4 | 4,463.08 | 3/4 | 4,211.13 | 3/4 | 3,946.19 | 3/4 | 3,678.61 | 3/4 | 3,340.36 | 3/4 | 2,979.24 | 3/4 | 2,618.14 | 3/4 | 2,257.01 |
| 3   |       | 3   | 4,699.88 | 3   | 4,457.99 | 3   | 4,205.72 | 3   | 3,940.62 | 3   | 3,673.04 | 3   | 3,332.84 | 3   | 2,971.72 | 3   | 2,610.62 | 3   | 2,249.48 |
| 1/4 |       | 1/4 | 4,694.43 | 1/4 | 4,452.90 | 1/4 | 4,200.31 | 1/4 | 3,935.04 | 1/4 | 3,667.47 | 1/4 | 3,325.31 | 1/4 | 2,964.19 | 1/4 | 2,603.10 | 1/4 | 2,241.96 |
| 1/2 |       | 1/2 | 4,688.98 | 1/2 | 4,447.79 | 1/2 | 4,194.88 | 1/2 | 3,929.47 | 1/2 | 3,661.89 | 1/2 | 3,317.79 | 1/2 | 2,956.67 | 1/2 | 2,595.58 | 1/2 | 2,234.43 |
| 3/4 |       | 3/4 | 4,683.53 | 3/4 | 4,442.68 | 3/4 | 4,189.45 | 3/4 | 3,923.89 | 3/4 | 3,656.32 | 3/4 | 3,310.27 | 3/4 | 2,949.15 | 3/4 | 2,588.06 | 3/4 | 2,226.90 |
| 4   |       | 4   | 4,678.08 | 4   | 4,437.57 | 4   | 4,184.03 | 4   | 3,918.32 | 4   | 3,650.74 | 4   | 3,302.74 | 4   | 2,941.62 | 4   | 2,580.54 | 4   | 2,219.37 |
| 1/4 |       | 1/4 | 4,672.64 | 1/4 | 4,432.46 | 1/4 | 4,178.60 | 1/4 | 3,912.74 | 1/4 | 3,645.17 | 1/4 | 3,295.22 | 1/4 | 2,934.10 | 1/4 | 2,573.02 | 1/4 | 2,211.84 |
| 1/2 |       | 1/2 | 4,667.50 | 1/2 | 4,427.33 | 1/2 | 4,173.15 | 1/2 | 3,907.17 | 1/2 | 3,639.59 | 1/2 | 3,287.70 | 1/2 | 2,926.58 | 1/2 | 2,565.49 | 1/2 | 2,204.34 |
| 3/4 |       | 3/4 | 4,662.36 | 3/4 | 4,422.20 | 3/4 | 4,167.69 | 3/4 | 3,901.59 | 3/4 | 3,634.02 | 3/4 | 3,280.17 | 3/4 | 2,919.05 | 3/4 | 2,557.97 | 3/4 | 2,196.85 |
| 5   |       | 5   | 4,657.22 | 5   | 4,417.06 | 5   | 4,162.24 | 5   | 3,896.02 | 5   | 3,628.44 | 5   | 3,272.65 | 5   | 2,911.53 | 5   | 2,550.45 | 5   | 2,189.36 |
| 1/4 |       | 1/4 | 4,652.08 | 1/4 | 4,411.93 | 1/4 | 4,156.79 | 1/4 | 3,890.45 | 1/4 | 3,622.87 | 1/4 | 3,265.13 | 1/4 | 2,904.01 | 1/4 | 2,542.93 | 1/4 | 2,181.86 |
| 1/2 |       | 1/2 | 4,647.24 | 1/2 | 4,406.78 | 1/2 | 4,151.32 | 1/2 | 3,884.87 | 1/2 | 3,616.31 | 1/2 | 3,257.60 | 1/2 | 2,896.48 | 1/2 | 2,535.41 | 1/2 | 2,174.41 |
| 3/4 |       | 3/4 | 4,642.40 | 3/4 | 4,401.63 | 3/4 | 4,145.85 | 3/4 | 3,879.30 | 3/4 | 3,609.75 | 3/4 | 3,250.08 | 3/4 | 2,888.96 | 3/4 | 2,527.89 | 3/4 | 2,166.96 |
| 6   |       | 6   | 4,637.57 | 6   | 4,396.47 | 6   | 4,140.38 | 6   | 3,873.72 | 6   | 3,603.19 | 6   | 3,242.56 | 6   | 2,881.44 | 6   | 2,520.37 | 6   | 2,159.50 |
| 1/4 |       | 1/4 | 4,632.73 | 1/4 | 4,391.32 | 1/4 | 4,134.91 | 1/4 | 3,868.15 | 1/4 | 3,596.63 | 1/4 | 3,235.03 | 1/4 | 2,873.91 | 1/4 | 2,512.85 | 1/4 | 2,152.05 |
| 1/2 |       | 1/2 | 4,627.87 | 1/2 | 4,386.15 | 1/2 | 4,129.41 | 1/2 | 3,862.57 | 1/2 | 3,589.09 | 1/2 | 3,227.51 | 1/2 | 2,866.39 | 1/2 | 2,505.33 | 1/2 | 2,144.60 |
| 3/4 |       | 3/4 | 4,623.01 | 3/4 | 4,380.97 | 3/4 | 4,123.92 | 3/4 | 3,857.00 | 3/4 | 3,581.54 | 3/4 | 3,219.99 | 3/4 | 2,858.87 | 3/4 | 2,497.80 | 3/4 | 2,137.15 |
| 7   |       | 7   | 4,618.15 | 7   | 4,375.80 | 7   | 4,118.43 | 7   | 3,851.42 | 7   | 3,574.00 | 7   | 3,212.46 | 7   | 2,851.34 | 7   | 2,490.28 | 7   | 2,129.69 |
| 1/4 |       | 1/4 | 4,613.29 | 1/4 | 4,370.62 | 1/4 | 4,112.94 | 1/4 | 3,845.85 | 1/4 | 3,566.46 | 1/4 | 3,204.94 | 1/4 | 2,843.82 | 1/4 | 2,482.76 | 1/4 | 2,122.24 |
| 1/2 |       | 1/2 | 4,608.38 | 1/2 | 4,365.43 | 1/2 | 4,107.42 | 1/2 | 3,840.27 | 1/2 | 3,558.91 | 1/2 | 3,197.42 | 1/2 | 2,836.30 | 1/2 | 2,475.24 | 1/2 | 2,114.79 |
| 3/4 |       | 3/4 | 4,603.46 | 3/4 | 4,360.23 | 3/4 | 4,101.91 | 3/4 | 3,834.70 | 3/4 | 3,551.37 | 3/4 | 3,189.89 | 3/4 | 2,828.78 | 3/4 | 2,467.72 | 3/4 | 2,107.34 |
| 8   |       | 8   | 4,598.55 | 8   | 4,355.04 | 8   | 4,096.40 | 8   | 3,829.13 | 8   | 3,543.82 | 8   | 3,182.37 | 8   | 2,821.25 | 8   | 2,460.20 | 8   | 2,099.88 |
| 1/4 |       | 1/4 | 4,593.64 | 1/4 | 4,349.84 | 1/4 | 4,090.88 | 1/4 | 3,823.55 | 1/4 | 3,536.28 | 1/4 | 3,174.85 | 1/4 | 2,813.73 | 1/4 | 2,452.68 | 1/4 | 2,092.43 |
| 1/2 |       | 1/2 | 4,588.68 | 1/2 | 4,344.59 | 1/2 | 4,085.35 | 1/2 | 3,817.98 | 1/2 | 3,528.74 | 1/2 | 3,167.32 | 1/2 | 2,806.21 | 1/2 | 2,445.15 | 1/2 | 2,084.98 |
| 3/4 |       | 3/4 | 4,583.72 | 3/4 | 4,339.34 | 3/4 | 4,079.81 | 3/4 | 3,812.40 | 3/4 | 3,521.19 | 3/4 | 3,159.80 | 3/4 | 2,798.68 | 3/4 | 2,437.63 | 3/4 | 2,077.52 |
| 9   |       | 9   | 4,578.75 | 9   | 4,334.10 | 9   | 4,074.28 | 9   | 3,806.83 | 9   | 3,513.65 | 9   | 3,152.28 | 9   | 2,791.16 | 9   | 2,430.11 | 9   | 2,070.07 |
| 1/4 |       | 1/4 | 4,573.79 | 1/4 | 4,328.85 | 1/4 | 4,068.74 | 1/4 | 3,801.25 | 1/4 | 3,506.10 | 1/4 | 3,144.75 | 1/4 | 2,783.64 | 1/4 | 2,422.59 | 1/4 | 2,062.62 |
| 1/2 |       | 1/2 | 4,568.81 | 1/2 | 4,323.54 | 1/2 | 4,063.19 | 1/2 | 3,795.68 | 1/2 | 3,498.56 | 1/2 | 3,137.23 | 1/2 | 2,776.11 | 1/2 | 2,415.06 | 1/2 | 2,055.17 |
| 3/4 |       | 3/4 | 4,563.82 | 3/4 | 4,318.24 | 3/4 | 4,057.63 | 3/4 | 3,790.10 | 3/4 | 3,491.02 | 3/4 | 3,129.71 | 3/4 | 2,768.59 | 3/4 | 2,407.54 | 3/4 | 2,047.71 |
| 10  |       | 10  | 4,558.84 | 10  | 4,312.94 | 10  | 4,052.07 | 10  | 3,784.53 | 10  | 3,483.47 | 10  | 3,122.18 | 10  | 2,761.07 | 10  | 2,400.01 | 10  | 2,040.26 |
| 1/4 |       | 1/4 | 4,553.85 | 1/4 | 4,307.64 | 1/4 | 4,046.52 | 1/4 | 3,778.96 | 1/4 | 3,475.93 | 1/4 | 3,114.66 | 1/4 | 2,753.54 | 1/4 | 2,392.49 | 1/4 | 2,032.81 |
| 1/2 |       | 1/2 | 4,548.85 | 1/2 | 4,302.31 | 1/2 | 4,040.95 | 1/2 | 3,773.38 | 1/2 | 3,468.39 | 1/2 | 3,107.14 | 1/2 | 2,746.02 | 1/2 | 2,384.96 | 1/2 | 2,025.36 |
| 3/4 |       | 3/4 | 4,543.84 | 3/4 | 4,296.99 | 3/4 | 4,035.38 | 3/4 | 3,767.81 | 3/4 | 3,460.85 | 3/4 | 3,099.61 | 3/4 | 2,738.50 | 3/4 | 2,377.44 | 3/4 | 2,017.90 |
| 11  |       | 11  | 4,538.84 | 11  | 4,291.66 | 11  | 4,029.80 | 11  | 3,762.23 | 11  | 3,453.31 | 11  | 3,092.09 | 11  | 2,730.97 | 11  | 2,369.91 | 11  | 2,010.45 |
| 1/4 |       | 1/4 | 4,533.83 | 1/4 | 4,286.34 | 1/4 | 4,024.23 | 1/4 | 3,756.66 | 1/4 | 3,445.78 | 1/4 | 3,084.57 | 1/4 | 2,723.45 | 1/4 | 2,362.38 | 1/4 | 2,003.00 |
| 1/2 |       | 1/2 | 4,528.81 | 1/2 | 4,280.99 | 1/2 | 4,018.66 | 1/2 | 3,751.08 | 1/2 | 3,438.24 | 1/2 | 3,077.04 | 1/2 | 2,715.93 | 1/2 | 2,354.86 | 1/2 | 1,995.54 |
| 3/4 |       | 3/4 | 4,523.78 | 3/4 | 4,275.65 | 3/4 | 4,013.08 | 3/4 | 3,745.51 | 3/4 | 3,430.71 | 3/4 | 3,069.52 | 3/4 | 2,708.40 | 3/4 | 2,347.33 | 3/4 | 1,988.09 |

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 11'-09" OFF CENTERLINE AND 45'-03 1/2" 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 101"

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   | 1,980.64 | 0   | 1,620.65 | 0   | 1,259.18 | 0   | 899.09 | 0   | 550.61 | 0   | 188.99 | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 1,973.19 | 1/4 | 1,613.12 | 1/4 | 1,251.65 | 1/4 | 891.84 | 1/4 | 543.08 | 1/4 | 181.46 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,965.73 | 1/2 | 1,605.59 | 1/2 | 1,244.12 | 1/2 | 884.58 | 1/2 | 535.55 | 1/2 | 173.92 | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,958.28 | 3/4 | 1,598.06 | 3/4 | 1,236.59 | 3/4 | 877.33 | 3/4 | 528.01 | 3/4 | 166.38 | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 1   | 1,950.83 | 1   | 1,590.53 | 1   | 1,229.06 | 1   | 870.08 | 1   | 520.48 | 1   | 158.85 | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 1,943.38 | 1/4 | 1,583.00 | 1/4 | 1,221.53 | 1/4 | 862.82 | 1/4 | 512.94 | 1/4 | 151.31 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,935.92 | 1/2 | 1,575.47 | 1/2 | 1,213.99 | 1/2 | 855.57 | 1/2 | 505.41 | 1/2 | 143.77 | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,928.47 | 3/4 | 1,567.94 | 3/4 | 1,206.46 | 3/4 | 848.32 | 3/4 | 497.88 | 3/4 | 136.22 | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 2   | 1,921.02 | 2   | 1,560.41 | 2   | 1,198.93 | 2   | 841.07 | 2   | 490.34 | 2   | 128.68 | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 1,913.56 | 1/4 | 1,552.87 | 1/4 | 1,191.40 | 1/4 | 833.81 | 1/4 | 482.81 | 1/4 | 121.14 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,906.11 | 1/2 | 1,545.34 | 1/2 | 1,183.87 | 1/2 | 826.58 | 1/2 | 475.27 | 1/2 | 113.59 | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,898.66 | 3/4 | 1,537.81 | 3/4 | 1,176.34 | 3/4 | 819.34 | 3/4 | 467.74 | 3/4 | 106.05 | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 3   | 1,891.21 | 3   | 1,530.28 | 3   | 1,168.81 | 3   | 812.10 | 3   | 460.21 | 3   | 98.50  | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 1,883.75 | 1/4 | 1,522.75 | 1/4 | 1,161.28 | 1/4 | 804.87 | 1/4 | 452.67 | 1/4 | 90.96  | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,876.30 | 1/2 | 1,515.22 | 1/2 | 1,153.75 | 1/2 | 797.65 | 1/2 | 445.14 | 1/2 | 83.41  | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,868.85 | 3/4 | 1,507.69 | 3/4 | 1,146.22 | 3/4 | 790.43 | 3/4 | 437.61 | 3/4 | 75.87  | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 4   | 1,861.40 | 4   | 1,500.16 | 4   | 1,138.69 | 4   | 783.21 | 4   | 430.07 | 4   | 68.32  | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 1,853.94 | 1/4 | 1,492.63 | 1/4 | 1,131.16 | 1/4 | 775.99 | 1/4 | 422.54 | 1/4 | 60.77  | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,846.45 | 1/2 | 1,485.10 | 1/2 | 1,123.63 | 1/2 | 768.77 | 1/2 | 415.00 | 1/2 | 53.86  | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,838.96 | 3/4 | 1,477.57 | 3/4 | 1,116.09 | 3/4 | 761.55 | 3/4 | 407.47 | 3/4 | 46.94  | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 5   | 1,831.47 | 5   | 1,470.04 | 5   | 1,108.56 | 5   | 754.33 | 5   | 399.94 | 5   | 40.02  | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 1,823.98 | 1/4 | 1,462.51 | 1/4 | 1,101.03 | 1/4 | 747.11 | 1/4 | 392.40 | 1/4 | 33.11  | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,816.45 | 1/2 | 1,454.98 | 1/2 | 1,093.50 | 1/2 | 739.89 | 1/2 | 384.87 | 1/2 | 28.08  | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,808.92 | 3/4 | 1,447.45 | 3/4 | 1,085.97 | 3/4 | 732.67 | 3/4 | 377.33 | 3/4 | 23.05  | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 6   | 1,801.38 | 6   | 1,439.92 | 6   | 1,078.44 | 6   | 725.45 | 6   | 369.80 | 6   | 18.02  | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 1,793.85 | 1/4 | 1,432.39 | 1/4 | 1,070.91 | 1/4 | 718.23 | 1/4 | 362.27 | 1/4 | 12.99  | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,786.32 | 1/2 | 1,424.85 | 1/2 | 1,063.38 | 1/2 | 711.01 | 1/2 | 354.73 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,778.79 | 3/4 | 1,417.32 | 3/4 | 1,055.85 | 3/4 | 703.79 | 3/4 | 347.20 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 7   | 1,771.26 | 7   | 1,409.79 | 7   | 1,048.32 | 7   | 696.57 | 7   | 339.66 | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 1,763.73 | 1/4 | 1,402.26 | 1/4 | 1,040.79 | 1/4 | 689.36 | 1/4 | 332.13 | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,756.20 | 1/2 | 1,394.73 | 1/2 | 1,033.26 | 1/2 | 682.14 | 1/2 | 324.60 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,748.67 | 3/4 | 1,387.20 | 3/4 | 1,025.72 | 3/4 | 674.92 | 3/4 | 317.06 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 8   | 1,741.14 | 8   | 1,379.67 | 8   | 1,018.19 | 8   | 667.70 | 8   | 309.53 | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 1,733.61 | 1/4 | 1,372.14 | 1/4 | 1,010.66 | 1/4 | 660.48 | 1/4 | 302.00 | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,726.08 | 1/2 | 1,364.61 | 1/2 | 1,003.13 | 1/2 | 653.26 | 1/2 | 294.46 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,718.55 | 3/4 | 1,357.08 | 3/4 | 995.60   | 3/4 | 646.04 | 3/4 | 286.93 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 9   | 1,711.02 | 9   | 1,349.55 | 9   | 988.07   | 9   | 638.82 | 9   | 279.39 | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 1,703.49 | 1/4 | 1,342.02 | 1/4 | 980.54   | 1/4 | 631.60 | 1/4 | 271.86 | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,695.96 | 1/2 | 1,334.49 | 1/2 | 973.01   | 1/2 | 624.38 | 1/2 | 264.33 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,688.43 | 3/4 | 1,326.96 | 3/4 | 965.48   | 3/4 | 617.16 | 3/4 | 256.79 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 10  | 1,680.90 | 10  | 1,319.43 | 10  | 957.95   | 10  | 609.94 | 10  | 249.26 | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 1,673.36 | 1/4 | 1,311.90 | 1/4 | 950.42   | 1/4 | 602.72 | 1/4 | 241.73 | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,665.83 | 1/2 | 1,304.36 | 1/2 | 943.02   | 1/2 | 595.34 | 1/2 | 234.19 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,658.30 | 3/4 | 1,296.83 | 3/4 | 935.63   | 3/4 | 587.97 | 3/4 | 226.66 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 11  | 1,650.77 | 11  | 1,289.30 | 11  | 928.24   | 11  | 580.59 | 11  | 219.13 | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 1,643.24 | 1/4 | 1,281.77 | 1/4 | 920.85   | 1/4 | 573.22 | 1/4 | 211.59 | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,635.71 | 1/2 | 1,274.24 | 1/2 | 913.60   | 1/2 | 565.68 | 1/2 | 204.06 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,628.18 | 3/4 | 1,266.71 | 3/4 | 906.34   | 3/4 | 558.15 | 3/4 | 196.53 | 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: 08/17/2020 JS  
CALCULATED: 08/17/2020 CL  
PRINTED: 08/18/2020 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2020

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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