



BARGE "EMS 408"

PORT HORIZONTAL INNAGE TABLE

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 | 0.17 | 0 | 187.51 | 0 | 525.10 | 0 | 950.19 | 0 | 1,437.72 | 0 | 1,971.26 | 0 | 2,538.22 | 0 | 3,127.98 | 0 | 3,731.05 | 0 | 4,338.49 |
| 1/4 | 1.31 | 1/4 | 193.47 | 1/4 | 533.23 | 1/4 | 959.82 | 1/4 | 1,448.44 | 1/4 | 1,982.79 | 1/4 | 2,550.32 | 1/4 | 3,140.45 | 1/4 | 3,743.69 | 1/4 | 4,351.13 |
| 1/2 | 2.45 | 1/2 | 199.43 | 1/2 | 541.36 | 1/2 | 969.44 | 1/2 | 1,459.16 | 1/2 | 1,994.32 | 1/2 | 2,562.42 | 1/2 | 3,152.91 | 1/2 | 3,756.33 | 1/2 | 4,363.76 |
| 3/4 | 3.59 | 3/4 | 205.40 | 3/4 | 549.49 | 3/4 | 979.07 | 3/4 | 1,469.89 | 3/4 | 2,005.86 | 3/4 | 2,574.53 | 3/4 | 3,165.38 | 3/4 | 3,768.98 | 3/4 | 4,376.40 |
| 1 | 4.74 | 1 | 211.36 | 1 | 557.62 | 1 | 988.70 | 1 | 1,480.61 | 1 | 2,017.39 | 1 | 2,586.63 | 1 | 3,177.85 | 1 | 3,781.62 | 1 | 4,389.03 |
| 1/4 | 6.83 | 1/4 | 217.54 | 1/4 | 565.90 | 1/4 | 998.43 | 1/4 | 1,491.41 | 1/4 | 2,028.98 | 1/4 | 2,598.77 | 1/4 | 3,190.34 | 1/4 | 3,794.27 | 1/4 | 4,401.66 |
| 1/2 | 8.92 | 1/2 | 223.72 | 1/2 | 574.17 | 1/2 | 1,008.16 | 1/2 | 1,502.22 | 1/2 | 2,040.56 | 1/2 | 2,610.91 | 1/2 | 3,202.83 | 1/2 | 3,806.92 | 1/2 | 4,414.29 |
| 3/4 | 11.01 | 3/4 | 229.91 | 3/4 | 582.44 | 3/4 | 1,017.89 | 3/4 | 1,513.02 | 3/4 | 2,052.15 | 3/4 | 2,623.05 | 3/4 | 3,215.32 | 3/4 | 3,819.57 | 3/4 | 4,426.91 |
| 2 | 13.10 | 2 | 236.09 | 2 | 590.72 | 2 | 1,027.62 | 2 | 1,523.82 | 2 | 2,063.74 | 2 | 2,635.19 | 2 | 3,227.81 | 2 | 3,832.22 | 2 | 4,439.54 |
| 1/4 | 15.80 | 1/4 | 242.48 | 1/4 | 599.13 | 1/4 | 1,037.45 | 1/4 | 1,534.70 | 1/4 | 2,075.38 | 1/4 | 2,647.37 | 1/4 | 3,240.32 | 1/4 | 3,844.87 | 1/4 | 4,452.16 |
| 1/2 | 18.51 | 1/2 | 248.88 | 1/2 | 607.55 | 1/2 | 1,047.29 | 1/2 | 1,545.57 | 1/2 | 2,087.02 | 1/2 | 2,659.55 | 1/2 | 3,252.83 | 1/2 | 3,857.53 | 1/2 | 4,464.78 |
| 3/4 | 21.21 | 3/4 | 255.27 | 3/4 | 615.96 | 3/4 | 1,057.12 | 3/4 | 1,556.45 | 3/4 | 2,098.67 | 3/4 | 2,671.73 | 3/4 | 3,265.34 | 3/4 | 3,870.18 | 3/4 | 4,477.39 |
| 3 | 23.92 | 3 | 261.67 | 3 | 624.38 | 3 | 1,066.95 | 3 | 1,567.33 | 3 | 2,110.31 | 3 | 2,683.90 | 3 | 3,277.85 | 3 | 3,882.84 | 3 | 4,490.01 |
| 1/4 | 27.12 | 1/4 | 268.27 | 1/4 | 632.93 | 1/4 | 1,076.88 | 1/4 | 1,578.28 | 1/4 | 2,122.00 | 1/4 | 2,696.12 | 1/4 | 3,290.38 | 1/4 | 3,895.50 | 1/4 | 4,502.62 |
| 1/2 | 30.32 | 1/2 | 274.86 | 1/2 | 641.48 | 1/2 | 1,086.82 | 1/2 | 1,589.23 | 1/2 | 2,133.70 | 1/2 | 2,708.33 | 1/2 | 3,302.91 | 1/2 | 3,908.16 | 1/2 | 4,515.22 |
| 3/4 | 33.52 | 3/4 | 281.46 | 3/4 | 650.03 | 3/4 | 1,096.75 | 3/4 | 1,600.18 | 3/4 | 2,145.39 | 3/4 | 2,720.54 | 3/4 | 3,315.44 | 3/4 | 3,920.81 | 3/4 | 4,527.83 |
| 4 | 36.71 | 4 | 288.06 | 4 | 658.59 | 4 | 1,106.68 | 4 | 1,611.13 | 4 | 2,157.09 | 4 | 2,732.76 | 4 | 3,327.97 | 4 | 3,933.47 | 4 | 4,540.43 |
| 1/4 | 40.34 | 1/4 | 294.85 | 1/4 | 667.27 | 1/4 | 1,116.71 | 1/4 | 1,622.15 | 1/4 | 2,168.83 | 1/4 | 2,745.00 | 1/4 | 3,340.52 | 1/4 | 3,946.13 | 1/4 | 4,553.03 |
| 1/2 | 43.96 | 1/2 | 301.65 | 1/2 | 675.95 | 1/2 | 1,126.74 | 1/2 | 1,633.17 | 1/2 | 2,180.58 | 1/2 | 2,757.25 | 1/2 | 3,353.07 | 1/2 | 3,958.80 | 1/2 | 4,565.62 |
| 3/4 | 47.59 | 3/4 | 308.44 | 3/4 | 684.64 | 3/4 | 1,136.77 | 3/4 | 1,644.20 | 3/4 | 2,192.33 | 3/4 | 2,769.50 | 3/4 | 3,365.61 | 3/4 | 3,971.46 | 3/4 | 4,578.21 |
| 5 | 51.21 | 5 | 315.23 | 5 | 693.32 | 5 | 1,146.80 | 5 | 1,655.22 | 5 | 2,204.07 | 5 | 2,781.74 | 5 | 3,378.16 | 5 | 3,984.12 | 5 | 4,590.80 |
| 1/4 | 55.21 | 1/4 | 322.22 | 1/4 | 702.14 | 1/4 | 1,156.92 | 1/4 | 1,666.31 | 1/4 | 2,215.87 | 1/4 | 2,794.02 | 1/4 | 3,390.72 | 1/4 | 3,996.78 | 1/4 | 4,603.38 |
| 1/2 | 59.22 | 1/2 | 329.20 | 1/2 | 710.95 | 1/2 | 1,167.05 | 1/2 | 1,677.40 | 1/2 | 2,227.67 | 1/2 | 2,806.30 | 1/2 | 3,403.29 | 1/2 | 4,009.44 | 1/2 | 4,615.96 |
| 3/4 | 63.22 | 3/4 | 336.18 | 3/4 | 719.76 | 3/4 | 1,177.17 | 3/4 | 1,688.49 | 3/4 | 2,239.46 | 3/4 | 2,818.58 | 3/4 | 3,415.85 | 3/4 | 4,022.11 | 3/4 | 4,628.54 |
| 6 | 67.22 | 6 | 343.16 | 6 | 728.58 | 6 | 1,187.30 | 6 | 1,699.59 | 6 | 2,251.26 | 6 | 2,830.86 | 6 | 3,428.41 | 6 | 4,034.77 | 6 | 4,641.12 |
| 1/4 | 71.51 | 1/4 | 350.32 | 1/4 | 737.51 | 1/4 | 1,197.51 | 1/4 | 1,710.75 | 1/4 | 2,263.10 | 1/4 | 2,843.17 | 1/4 | 3,440.99 | 1/4 | 4,047.43 | 1/4 | 4,653.68 |
| 1/2 | 75.80 | 1/2 | 357.48 | 1/2 | 746.45 | 1/2 | 1,207.73 | 1/2 | 1,721.91 | 1/2 | 2,274.95 | 1/2 | 2,855.48 | 1/2 | 3,453.57 | 1/2 | 4,060.09 | 1/2 | 4,666.25 |
| 3/4 | 80.09 | 3/4 | 364.65 | 3/4 | 755.39 | 3/4 | 1,217.95 | 3/4 | 1,733.07 | 3/4 | 2,286.79 | 3/4 | 2,867.79 | 3/4 | 3,466.15 | 3/4 | 4,072.75 | 3/4 | 4,678.81 |
| 7 | 84.38 | 7 | 371.81 | 7 | 764.33 | 7 | 1,228.16 | 7 | 1,744.23 | 7 | 2,298.64 | 7 | 2,880.10 | 7 | 3,478.73 | 7 | 4,085.42 | 7 | 4,691.38 |
| 1/4 | 88.99 | 1/4 | 379.15 | 1/4 | 773.39 | 1/4 | 1,238.47 | 1/4 | 1,755.45 | 1/4 | 2,310.53 | 1/4 | 2,892.44 | 1/4 | 3,491.32 | 1/4 | 4,098.08 | 1/4 | 4,703.92 |
| 1/2 | 93.60 | 1/2 | 386.48 | 1/2 | 782.45 | 1/2 | 1,248.77 | 1/2 | 1,766.68 | 1/2 | 2,322.42 | 1/2 | 2,904.78 | 1/2 | 3,503.92 | 1/2 | 4,110.74 | 1/2 | 4,716.47 |
| 3/4 | 98.20 | 3/4 | 393.82 | 3/4 | 791.51 | 3/4 | 1,259.08 | 3/4 | 1,777.90 | 3/4 | 2,334.31 | 3/4 | 2,917.12 | 3/4 | 3,516.51 | 3/4 | 4,123.40 | 3/4 | 4,729.02 |
| 8 | 102.81 | 8 | 401.16 | 8 | 800.57 | 8 | 1,269.39 | 8 | 1,789.13 | 8 | 2,346.20 | 8 | 2,929.46 | 8 | 3,529.10 | 8 | 4,136.06 | 8 | 4,741.56 |
| 1/4 | 107.71 | 1/4 | 408.66 | 1/4 | 809.75 | 1/4 | 1,279.78 | 1/4 | 1,800.42 | 1/4 | 2,358.14 | 1/4 | 2,941.83 | 1/4 | 3,541.71 | 1/4 | 4,148.72 | 1/4 | 4,754.09 |
| 1/2 | 112.60 | 1/2 | 416.17 | 1/2 | 818.93 | 1/2 | 1,290.18 | 1/2 | 1,811.71 | 1/2 | 2,370.08 | 1/2 | 2,954.20 | 1/2 | 3,554.31 | 1/2 | 4,161.38 | 1/2 | 4,766.62 |
| 3/4 | 117.50 | 3/4 | 423.68 | 3/4 | 828.11 | 3/4 | 1,300.57 | 3/4 | 1,823.00 | 3/4 | 2,382.01 | 3/4 | 2,966.56 | 3/4 | 3,566.92 | 3/4 | 4,174.04 | 3/4 | 4,779.15 |
| 9 | 122.40 | 9 | 431.18 | 9 | 837.29 | 9 | 1,310.96 | 9 | 1,834.29 | 9 | 2,393.95 | 9 | 2,978.93 | 9 | 3,579.53 | 9 | 4,186.70 | 9 | 4,791.68 |
| 1/4 | 127.57 | 1/4 | 438.85 | 1/4 | 846.59 | 1/4 | 1,321.44 | 1/4 | 1,845.65 | 1/4 | 2,405.93 | 1/4 | 2,991.33 | 1/4 | 3,592.14 | 1/4 | 4,199.35 | 1/4 | 4,804.19 |
| 1/2 | 132.74 | 1/2 | 446.52 | 1/2 | 855.89 | 1/2 | 1,331.92 | 1/2 | 1,857.00 | 1/2 | 2,417.91 | 1/2 | 3,003.72 | 1/2 | 3,604.76 | 1/2 | 4,212.01 | 1/2 | 4,816.70 |
| 3/4 | 137.92 | 3/4 | 454.19 | 3/4 | 865.18 | 3/4 | 1,342.40 | 3/4 | 1,868.35 | 3/4 | 2,429.89 | 3/4 | 3,016.12 | 3/4 | 3,617.38 | 3/4 | 4,224.66 | 3/4 | 4,829.21 |
| 10 | 143.09 | 10 | 461.86 | 10 | 874.48 | 10 | 1,352.88 | 10 | 1,879.71 | 10 | 2,441.87 | 10 | 3,028.51 | 10 | 3,629.99 | 10 | 4,237.32 | 10 | 4,841.72 |
| 1/4 | 148.52 | 1/4 | 469.69 | 1/4 | 883.89 | 1/4 | 1,363.45 | 1/4 | 1,891.12 | 1/4 | 2,453.89 | 1/4 | 3,040.93 | 1/4 | 3,642.62 | 1/4 | 4,249.97 | 1/4 | 4,854.21 |
| 1/2 | 153.95 | 1/2 | 477.52 | 1/2 | 893.30 | 1/2 | 1,374.01 | 1/2 | 1,902.54 | 1/2 | 2,465.92 | 1/2 | 3,053.36 | 1/2 | 3,655.25 | 1/2 | 4,262.62 | 1/2 | 4,866.70 |
| 3/4 | 159.38 | 3/4 | 485.35 | 3/4 | 902.70 | 3/4 | 1,384.57 | 3/4 | 1,913.95 | 3/4 | 2,477.94 | 3/4 | 3,065.78 | 3/4 | 3,667.87 | 3/4 | 4,275.27 | 3/4 | 4,879.19 |
| 11 | 164.81 | 11 | 493.17 | 11 | 912.11 | 11 | 1,395.14 | 11 | 1,925.37 | 11 | 2,489.96 | 11 | 3,078.20 | 11 | 3,680.50 | 11 | 4,287.92 | 11 | 4,891.68 |
| 1/4 | 170.49 | 1/4 | 501.15 | 1/4 | 921.63 | 1/4 | 1,405.78 | 1/4 | 1,936.84 | 1/4 | 2,502.03 | 1/4 | 3,090.64 | 1/4 | 3,693.14 | 1/4 | 4,300.56 | 1/4 | 4,904.15 |
| 1/2 | 176.16 | 1/2 | 509.14 | 1/2 | 931.15 | 1/2 | 1,416.43 | 1/2 | 1,948.31 | 1/2 | 2,514.09 | 1/2 | 3,103.09 | 1/2 | 3,705.77 | 1/2 | 4,313.20 | 1/2 | 4,916.62 |
| 3/4 | 181.84 | 3/4 | 517.12 | 3/4 | 940.67 | 3/4 | 1,427.07 | 3/4 | 1,959.79 | 3/4 | 2,526.15 | 3/4 | 3,115.53 | 3/4 | 3,718.41 | 3/4 | 4,325.85 | 3/4 | 4,929.09 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.2E
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "EMS 408"

PORT HORIZONTAL INNAGE TABLE

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 | 4,941.56 | 0 | 5,531.32 | 0 | 6,098.27 | 0 | 6,631.82 | 0 | 7,119.35 | 0 | 7,544.44 | 0 | 7,879.72 | 0 | 8,068.35 | 0 | | 0 | |
| 1/4 | 4,954.00 | 1/4 | 5,543.38 | 1/4 | 6,109.75 | 1/4 | 6,642.46 | 1/4 | 7,128.86 | 1/4 | 7,552.42 | 1/4 | 7,885.45 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 4,966.45 | 1/2 | 5,555.45 | 1/2 | 6,121.22 | 1/2 | 6,653.11 | 1/2 | 7,138.38 | 1/2 | 7,560.40 | 1/2 | 7,891.18 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 4,978.89 | 3/4 | 5,567.51 | 3/4 | 6,132.70 | 3/4 | 6,663.75 | 3/4 | 7,147.90 | 3/4 | 7,568.38 | 3/4 | 7,898.91 | 3/4 | | 3/4 | | 3/4 | |
| 1 | 4,991.34 | 1 | 5,579.57 | 1 | 6,144.17 | 1 | 6,674.40 | 1 | 7,157.42 | 1 | 7,576.36 | 1 | 7,902.63 | 1 | | 1 | | 1 | |
| 1/4 | 5,003.76 | 1/4 | 5,591.60 | 1/4 | 6,155.58 | 1/4 | 6,684.96 | 1/4 | 7,166.83 | 1/4 | 7,584.19 | 1/4 | 7,908.12 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 5,016.18 | 1/2 | 5,603.62 | 1/2 | 6,167.00 | 1/2 | 6,695.52 | 1/2 | 7,176.24 | 1/2 | 7,592.02 | 1/2 | 7,913.60 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 5,028.60 | 3/4 | 5,615.64 | 3/4 | 6,178.41 | 3/4 | 6,706.09 | 3/4 | 7,185.65 | 3/4 | 7,599.85 | 3/4 | 7,919.09 | 3/4 | | 3/4 | | 3/4 | |
| 2 | 5,041.02 | 2 | 5,627.66 | 2 | 6,189.83 | 2 | 6,716.65 | 2 | 7,195.06 | 2 | 7,607.67 | 2 | 7,924.57 | 2 | | 2 | | 2 | |
| 1/4 | 5,053.42 | 1/4 | 5,639.64 | 1/4 | 6,201.18 | 1/4 | 6,727.13 | 1/4 | 7,204.35 | 1/4 | 7,615.34 | 1/4 | 7,929.80 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 5,065.81 | 1/2 | 5,651.62 | 1/2 | 6,212.53 | 1/2 | 6,737.61 | 1/2 | 7,213.65 | 1/2 | 7,623.01 | 1/2 | 7,935.02 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 5,078.21 | 3/4 | 5,663.60 | 3/4 | 6,223.89 | 3/4 | 6,748.09 | 3/4 | 7,222.94 | 3/4 | 7,630.68 | 3/4 | 7,940.25 | 3/4 | | 3/4 | | 3/4 | |
| 3 | 5,090.60 | 3 | 5,675.59 | 3 | 6,235.24 | 3 | 6,758.57 | 3 | 7,232.24 | 3 | 7,638.35 | 3 | 7,945.48 | 3 | | 3 | | 3 | |
| 1/4 | 5,102.97 | 1/4 | 5,687.52 | 1/4 | 6,246.53 | 1/4 | 6,768.96 | 1/4 | 7,241.42 | 1/4 | 7,645.86 | 1/4 | 7,950.43 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 5,115.34 | 1/2 | 5,699.46 | 1/2 | 6,257.82 | 1/2 | 6,779.36 | 1/2 | 7,250.60 | 1/2 | 7,653.36 | 1/2 | 7,955.38 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 5,127.71 | 3/4 | 5,711.40 | 3/4 | 6,269.11 | 3/4 | 6,789.75 | 3/4 | 7,259.78 | 3/4 | 7,660.87 | 3/4 | 7,960.33 | 3/4 | | 3/4 | | 3/4 | |
| 4 | 5,140.08 | 4 | 5,723.33 | 4 | 6,280.40 | 4 | 6,800.15 | 4 | 7,268.96 | 4 | 7,668.38 | 4 | 7,965.29 | 4 | | 4 | | 4 | |
| 1/4 | 5,152.42 | 1/4 | 5,735.22 | 1/4 | 6,291.63 | 1/4 | 6,810.45 | 1/4 | 7,278.02 | 1/4 | 7,675.52 | 1/4 | 7,969.94 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 5,164.76 | 1/2 | 5,747.11 | 1/2 | 6,302.86 | 1/2 | 6,820.76 | 1/2 | 7,287.08 | 1/2 | 7,682.67 | 1/2 | 7,974.60 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 5,177.10 | 3/4 | 5,759.01 | 3/4 | 6,314.08 | 3/4 | 6,831.07 | 3/4 | 7,296.14 | 3/4 | 7,689.81 | 3/4 | 7,979.26 | 3/4 | | 3/4 | | 3/4 | |
| 5 | 5,189.44 | 5 | 5,770.90 | 5 | 6,325.31 | 5 | 6,841.37 | 5 | 7,305.20 | 5 | 7,696.96 | 5 | 7,983.92 | 5 | | 5 | | 5 | |
| 1/4 | 5,201.75 | 1/4 | 5,782.74 | 1/4 | 6,336.47 | 1/4 | 6,851.59 | 1/4 | 7,314.14 | 1/4 | 7,703.93 | 1/4 | 7,988.27 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 5,214.06 | 1/2 | 5,794.59 | 1/2 | 6,347.63 | 1/2 | 6,861.81 | 1/2 | 7,323.08 | 1/2 | 7,710.90 | 1/2 | 7,992.61 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 5,226.37 | 3/4 | 5,806.43 | 3/4 | 6,358.79 | 3/4 | 6,872.02 | 3/4 | 7,332.02 | 3/4 | 7,717.87 | 3/4 | 7,996.96 | 3/4 | | 3/4 | | 3/4 | |
| 6 | 5,238.68 | 6 | 5,818.28 | 6 | 6,369.95 | 6 | 6,882.24 | 6 | 7,340.96 | 6 | 7,724.84 | 6 | 8,001.30 | 6 | | 6 | | 6 | |
| 1/4 | 5,250.95 | 1/4 | 5,830.07 | 1/4 | 6,381.04 | 1/4 | 6,892.36 | 1/4 | 7,349.77 | 1/4 | 7,731.63 | 1/4 | 8,005.30 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 5,263.23 | 1/2 | 5,841.87 | 1/2 | 6,392.13 | 1/2 | 6,902.49 | 1/2 | 7,358.59 | 1/2 | 7,738.42 | 1/2 | 8,009.30 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 5,275.51 | 3/4 | 5,853.66 | 3/4 | 6,403.23 | 3/4 | 6,912.61 | 3/4 | 7,367.40 | 3/4 | 7,745.21 | 3/4 | 8,013.31 | 3/4 | | 3/4 | | 3/4 | |
| 7 | 5,287.79 | 7 | 5,865.46 | 7 | 6,414.32 | 7 | 6,922.74 | 7 | 7,376.21 | 7 | 7,752.00 | 7 | 8,017.31 | 7 | | 7 | | 7 | |
| 1/4 | 5,300.04 | 1/4 | 5,877.21 | 1/4 | 6,425.34 | 1/4 | 6,932.76 | 1/4 | 7,384.90 | 1/4 | 7,758.79 | 1/4 | 8,020.93 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 5,312.29 | 1/2 | 5,888.95 | 1/2 | 6,436.36 | 1/2 | 6,942.79 | 1/2 | 7,393.58 | 1/2 | 7,765.58 | 1/2 | 8,024.56 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 5,324.53 | 3/4 | 5,900.70 | 3/4 | 6,447.38 | 3/4 | 6,952.82 | 3/4 | 7,402.26 | 3/4 | 7,772.38 | 3/4 | 8,028.18 | 3/4 | | 3/4 | | 3/4 | |
| 8 | 5,336.78 | 8 | 5,912.45 | 8 | 6,458.41 | 8 | 6,962.85 | 8 | 7,410.95 | 8 | 7,779.17 | 8 | 8,031.81 | 8 | | 8 | | 8 | |
| 1/4 | 5,348.99 | 1/4 | 5,924.14 | 1/4 | 6,469.36 | 1/4 | 6,972.79 | 1/4 | 7,419.50 | 1/4 | 7,785.77 | 1/4 | 8,035.01 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 5,361.20 | 1/2 | 5,935.84 | 1/2 | 6,480.31 | 1/2 | 6,982.72 | 1/2 | 7,428.05 | 1/2 | 7,792.37 | 1/2 | 8,038.21 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 5,373.42 | 3/4 | 5,947.53 | 3/4 | 6,491.26 | 3/4 | 6,992.65 | 3/4 | 7,436.60 | 3/4 | 7,798.96 | 3/4 | 8,041.40 | 3/4 | | 3/4 | | 3/4 | |
| 9 | 5,385.63 | 9 | 5,959.23 | 9 | 6,502.21 | 9 | 7,002.58 | 9 | 7,445.16 | 9 | 7,805.56 | 9 | 8,044.60 | 9 | | 9 | | 9 | |
| 1/4 | 5,397.81 | 1/4 | 5,970.87 | 1/4 | 6,513.09 | 1/4 | 7,012.42 | 1/4 | 7,453.57 | 1/4 | 7,811.96 | 1/4 | 8,047.31 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 5,409.99 | 1/2 | 5,982.51 | 1/2 | 6,523.96 | 1/2 | 7,022.25 | 1/2 | 7,461.99 | 1/2 | 7,818.35 | 1/2 | 8,050.01 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 5,422.16 | 3/4 | 5,994.15 | 3/4 | 6,534.84 | 3/4 | 7,032.08 | 3/4 | 7,470.40 | 3/4 | 7,824.75 | 3/4 | 8,052.72 | 3/4 | | 3/4 | | 3/4 | |
| 10 | 5,434.34 | 10 | 6,005.80 | 10 | 6,545.72 | 10 | 7,041.92 | 10 | 7,478.82 | 10 | 7,831.14 | 10 | 8,055.42 | 10 | | 10 | | 10 | |
| 1/4 | 5,446.48 | 1/4 | 6,017.38 | 1/4 | 6,556.52 | 1/4 | 7,051.65 | 1/4 | 7,487.09 | 1/4 | 7,837.33 | 1/4 | 8,057.51 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 5,458.62 | 1/2 | 6,028.97 | 1/2 | 6,567.32 | 1/2 | 7,061.38 | 1/2 | 7,495.37 | 1/2 | 7,843.51 | 1/2 | 8,059.60 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 5,470.76 | 3/4 | 6,040.56 | 3/4 | 6,578.12 | 3/4 | 7,071.11 | 3/4 | 7,503.64 | 3/4 | 7,849.69 | 3/4 | 8,061.69 | 3/4 | | 3/4 | | 3/4 | |
| 11 | 5,482.91 | 11 | 6,052.15 | 11 | 6,588.92 | 11 | 7,080.84 | 11 | 7,511.91 | 11 | 7,855.87 | 11 | 8,063.78 | 11 | | 11 | | 11 | |
| 1/4 | 5,495.01 | 1/4 | 6,063.68 | 1/4 | 6,599.65 | 1/4 | 7,090.47 | 1/4 | 7,520.04 | 1/4 | 7,861.84 | 1/4 | 8,064.92 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 5,507.11 | 1/2 | 6,075.21 | 1/2 | 6,610.37 | 1/2 | 7,100.09 | 1/2 | 7,528.18 | 1/2 | 7,867.80 | 1/2 | 8,066.07 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 5,519.21 | 3/4 | 6,086.74 | 3/4 | 6,621.09 | 3/4 | 7,109.72 | 3/4 | 7,536.31 | 3/4 | 7,873.76 | 3/4 | 8,067.21 | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/16/2018 SW
CALCULATED: 11/16/2018 CL
PRINTED: 11/16/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2018

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



BARGE "EMS 408"

STBD HORIZONTAL INNAGE TABLE

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 | 0.17 | 0 | 187.00 | 0 | 523.79 | 0 | 947.74 | 0 | 1,433.87 | 0 | 1,965.76 | 0 | 2,530.82 | 0 | 3,118.42 | 0 | 3,719.05 | 0 | 4,323.76 |
| 1/4 | 1.31 | 1/4 | 193.00 | 1/4 | 531.90 | 1/4 | 957.34 | 1/4 | 1,444.56 | 1/4 | 1,977.26 | 1/4 | 2,542.88 | 1/4 | 3,130.84 | 1/4 | 3,731.64 | 1/4 | 4,336.33 |
| 1/2 | 2.45 | 1/2 | 198.95 | 1/2 | 540.01 | 1/2 | 966.94 | 1/2 | 1,455.25 | 1/2 | 1,988.75 | 1/2 | 2,554.94 | 1/2 | 3,143.26 | 1/2 | 3,744.23 | 1/2 | 4,348.91 |
| 3/4 | 3.59 | 3/4 | 204.90 | 3/4 | 548.12 | 3/4 | 976.54 | 3/4 | 1,465.94 | 3/4 | 2,000.25 | 3/4 | 2,567.00 | 3/4 | 3,155.68 | 3/4 | 3,756.82 | 3/4 | 4,361.48 |
| 1 | 4.73 | 1 | 210.84 | 1 | 556.23 | 1 | 986.14 | 1 | 1,476.64 | 1 | 2,011.74 | 1 | 2,579.06 | 1 | 3,168.10 | 1 | 3,769.41 | 1 | 4,374.06 |
| 1/4 | 6.81 | 1/4 | 217.01 | 1/4 | 564.48 | 1/4 | 995.84 | 1/4 | 1,487.40 | 1/4 | 2,023.29 | 1/4 | 2,591.16 | 1/4 | 3,180.54 | 1/4 | 3,782.01 | 1/4 | 4,386.62 |
| 1/2 | 8.90 | 1/2 | 223.18 | 1/2 | 572.73 | 1/2 | 1,005.55 | 1/2 | 1,498.17 | 1/2 | 2,034.84 | 1/2 | 2,603.26 | 1/2 | 3,192.99 | 1/2 | 3,794.60 | 1/2 | 4,399.19 |
| 3/4 | 10.98 | 3/4 | 229.35 | 3/4 | 580.99 | 3/4 | 1,015.25 | 3/4 | 1,508.94 | 3/4 | 2,046.39 | 3/4 | 2,615.36 | 3/4 | 3,205.43 | 3/4 | 3,807.20 | 3/4 | 4,411.75 |
| 2 | 13.07 | 2 | 235.51 | 2 | 589.24 | 2 | 1,024.95 | 2 | 1,519.71 | 2 | 2,057.94 | 2 | 2,627.46 | 2 | 3,217.87 | 2 | 3,819.79 | 2 | 4,424.32 |
| 1/4 | 15.77 | 1/4 | 241.89 | 1/4 | 597.63 | 1/4 | 1,034.76 | 1/4 | 1,530.56 | 1/4 | 2,069.55 | 1/4 | 2,639.59 | 1/4 | 3,230.33 | 1/4 | 3,832.39 | 1/4 | 4,436.88 |
| 1/2 | 18.46 | 1/2 | 248.27 | 1/2 | 606.02 | 1/2 | 1,044.56 | 1/2 | 1,541.40 | 1/2 | 2,081.15 | 1/2 | 2,651.72 | 1/2 | 3,242.79 | 1/2 | 3,844.99 | 1/2 | 4,449.43 |
| 3/4 | 21.16 | 3/4 | 254.65 | 3/4 | 614.42 | 3/4 | 1,054.37 | 3/4 | 1,552.24 | 3/4 | 2,092.75 | 3/4 | 2,663.86 | 3/4 | 3,255.25 | 3/4 | 3,857.59 | 3/4 | 4,461.99 |
| 3 | 23.86 | 3 | 261.03 | 3 | 622.81 | 3 | 1,064.17 | 3 | 1,563.09 | 3 | 2,104.36 | 3 | 2,675.99 | 3 | 3,267.71 | 3 | 3,870.19 | 3 | 4,474.54 |
| 1/4 | 27.05 | 1/4 | 267.61 | 1/4 | 631.34 | 1/4 | 1,074.08 | 1/4 | 1,574.01 | 1/4 | 2,116.01 | 1/4 | 2,688.16 | 1/4 | 3,280.19 | 1/4 | 3,882.79 | 1/4 | 4,487.08 |
| 1/2 | 30.24 | 1/2 | 274.19 | 1/2 | 639.87 | 1/2 | 1,083.98 | 1/2 | 1,584.92 | 1/2 | 2,127.67 | 1/2 | 2,700.33 | 1/2 | 3,292.67 | 1/2 | 3,895.40 | 1/2 | 4,499.63 |
| 3/4 | 33.44 | 3/4 | 280.78 | 3/4 | 648.40 | 3/4 | 1,093.89 | 3/4 | 1,595.84 | 3/4 | 2,139.33 | 3/4 | 2,712.50 | 3/4 | 3,305.15 | 3/4 | 3,908.00 | 3/4 | 4,512.17 |
| 4 | 36.63 | 4 | 287.36 | 4 | 656.93 | 4 | 1,103.79 | 4 | 1,606.76 | 4 | 2,150.99 | 4 | 2,724.67 | 4 | 3,317.63 | 4 | 3,920.60 | 4 | 4,524.71 |
| 1/4 | 40.24 | 1/4 | 294.13 | 1/4 | 665.59 | 1/4 | 1,113.79 | 1/4 | 1,617.75 | 1/4 | 2,162.69 | 1/4 | 2,736.87 | 1/4 | 3,330.13 | 1/4 | 3,933.21 | 1/4 | 4,537.24 |
| 1/2 | 43.86 | 1/2 | 300.91 | 1/2 | 674.25 | 1/2 | 1,123.79 | 1/2 | 1,628.73 | 1/2 | 2,174.40 | 1/2 | 2,749.07 | 1/2 | 3,342.63 | 1/2 | 3,945.81 | 1/2 | 4,549.77 |
| 3/4 | 47.48 | 3/4 | 307.69 | 3/4 | 682.91 | 3/4 | 1,133.80 | 3/4 | 1,639.72 | 3/4 | 2,186.11 | 3/4 | 2,761.28 | 3/4 | 3,355.13 | 3/4 | 3,958.42 | 3/4 | 4,562.30 |
| 5 | 51.09 | 5 | 314.46 | 5 | 691.57 | 5 | 1,143.80 | 5 | 1,650.71 | 5 | 2,197.82 | 5 | 2,773.48 | 5 | 3,367.62 | 5 | 3,971.02 | 5 | 4,574.83 |
| 1/4 | 55.08 | 1/4 | 321.43 | 1/4 | 700.36 | 1/4 | 1,153.89 | 1/4 | 1,661.77 | 1/4 | 2,209.57 | 1/4 | 2,785.71 | 1/4 | 3,380.14 | 1/4 | 3,983.63 | 1/4 | 4,587.35 |
| 1/2 | 59.08 | 1/2 | 328.39 | 1/2 | 709.15 | 1/2 | 1,163.99 | 1/2 | 1,672.83 | 1/2 | 2,221.33 | 1/2 | 2,797.95 | 1/2 | 3,392.65 | 1/2 | 3,996.23 | 1/2 | 4,599.86 |
| 3/4 | 63.07 | 3/4 | 335.35 | 3/4 | 717.94 | 3/4 | 1,174.08 | 3/4 | 1,683.88 | 3/4 | 2,233.09 | 3/4 | 2,810.18 | 3/4 | 3,405.16 | 3/4 | 4,008.84 | 3/4 | 4,612.38 |
| 6 | 67.06 | 6 | 342.32 | 6 | 726.73 | 6 | 1,184.18 | 6 | 1,694.94 | 6 | 2,244.84 | 6 | 2,822.42 | 6 | 3,417.68 | 6 | 4,021.45 | 6 | 4,624.89 |
| 1/4 | 71.34 | 1/4 | 349.46 | 1/4 | 735.64 | 1/4 | 1,194.36 | 1/4 | 1,706.07 | 1/4 | 2,256.65 | 1/4 | 2,834.68 | 1/4 | 3,430.20 | 1/4 | 4,034.05 | 1/4 | 4,637.39 |
| 1/2 | 75.62 | 1/2 | 356.61 | 1/2 | 744.56 | 1/2 | 1,204.55 | 1/2 | 1,717.19 | 1/2 | 2,268.45 | 1/2 | 2,846.95 | 1/2 | 3,442.73 | 1/2 | 4,046.66 | 1/2 | 4,649.89 |
| 3/4 | 79.90 | 3/4 | 363.75 | 3/4 | 753.47 | 3/4 | 1,214.74 | 3/4 | 1,728.32 | 3/4 | 2,280.26 | 3/4 | 2,859.21 | 3/4 | 3,455.26 | 3/4 | 4,059.26 | 3/4 | 4,662.39 |
| 7 | 84.18 | 7 | 370.89 | 7 | 762.39 | 7 | 1,224.93 | 7 | 1,739.44 | 7 | 2,292.06 | 7 | 2,871.48 | 7 | 3,467.79 | 7 | 4,071.87 | 7 | 4,674.89 |
| 1/4 | 88.78 | 1/4 | 378.21 | 1/4 | 771.42 | 1/4 | 1,235.20 | 1/4 | 1,750.64 | 1/4 | 2,303.91 | 1/4 | 2,883.77 | 1/4 | 3,480.33 | 1/4 | 4,084.47 | 1/4 | 4,687.37 |
| 1/2 | 93.37 | 1/2 | 385.53 | 1/2 | 780.46 | 1/2 | 1,245.48 | 1/2 | 1,761.83 | 1/2 | 2,315.77 | 1/2 | 2,896.06 | 1/2 | 3,492.87 | 1/2 | 4,097.07 | 1/2 | 4,699.86 |
| 3/4 | 97.97 | 3/4 | 392.85 | 3/4 | 789.50 | 3/4 | 1,255.76 | 3/4 | 1,773.02 | 3/4 | 2,327.62 | 3/4 | 2,908.36 | 3/4 | 3,505.41 | 3/4 | 4,109.68 | 3/4 | 4,712.34 |
| 8 | 102.56 | 8 | 400.17 | 8 | 798.53 | 8 | 1,266.03 | 8 | 1,784.21 | 8 | 2,339.47 | 8 | 2,920.65 | 8 | 3,517.95 | 8 | 4,122.28 | 8 | 4,724.82 |
| 1/4 | 107.45 | 1/4 | 407.66 | 1/4 | 807.69 | 1/4 | 1,276.40 | 1/4 | 1,795.46 | 1/4 | 2,351.36 | 1/4 | 2,932.98 | 1/4 | 3,530.51 | 1/4 | 4,134.88 | 1/4 | 4,737.28 |
| 1/2 | 112.33 | 1/2 | 415.14 | 1/2 | 816.84 | 1/2 | 1,286.76 | 1/2 | 1,806.72 | 1/2 | 2,363.26 | 1/2 | 2,945.30 | 1/2 | 3,543.06 | 1/2 | 4,147.48 | 1/2 | 4,749.75 |
| 3/4 | 117.22 | 3/4 | 422.63 | 3/4 | 826.00 | 3/4 | 1,297.12 | 3/4 | 1,817.98 | 3/4 | 2,375.16 | 3/4 | 2,957.62 | 3/4 | 3,555.62 | 3/4 | 4,160.08 | 3/4 | 4,762.21 |
| 9 | 122.11 | 9 | 430.12 | 9 | 835.15 | 9 | 1,307.49 | 9 | 1,829.23 | 9 | 2,387.05 | 9 | 2,969.94 | 9 | 3,568.17 | 9 | 4,172.68 | 9 | 4,774.67 |
| 1/4 | 127.27 | 1/4 | 437.77 | 1/4 | 844.42 | 1/4 | 1,317.94 | 1/4 | 1,840.55 | 1/4 | 2,398.99 | 1/4 | 2,982.29 | 1/4 | 3,580.73 | 1/4 | 4,185.28 | 1/4 | 4,787.12 |
| 1/2 | 132.43 | 1/2 | 445.42 | 1/2 | 853.70 | 1/2 | 1,328.39 | 1/2 | 1,851.87 | 1/2 | 2,410.93 | 1/2 | 2,994.64 | 1/2 | 3,593.30 | 1/2 | 4,197.87 | 1/2 | 4,799.56 |
| 3/4 | 137.58 | 3/4 | 453.07 | 3/4 | 862.97 | 3/4 | 1,338.84 | 3/4 | 1,863.18 | 3/4 | 2,422.87 | 3/4 | 3,006.99 | 3/4 | 3,605.86 | 3/4 | 4,210.47 | 3/4 | 4,812.01 |
| 10 | 142.74 | 10 | 460.72 | 10 | 872.24 | 10 | 1,349.28 | 10 | 1,874.50 | 10 | 2,434.81 | 10 | 3,019.34 | 10 | 3,618.43 | 10 | 4,223.06 | 10 | 4,824.45 |
| 1/4 | 148.16 | 1/4 | 468.52 | 1/4 | 881.62 | 1/4 | 1,359.82 | 1/4 | 1,885.88 | 1/4 | 2,446.79 | 1/4 | 3,031.71 | 1/4 | 3,631.00 | 1/4 | 4,235.65 | 1/4 | 4,836.87 |
| 1/2 | 153.58 | 1/2 | 476.33 | 1/2 | 891.00 | 1/2 | 1,370.35 | 1/2 | 1,897.26 | 1/2 | 2,458.77 | 1/2 | 3,044.08 | 1/2 | 3,643.58 | 1/2 | 4,248.24 | 1/2 | 4,849.30 |
| 3/4 | 159.00 | 3/4 | 484.14 | 3/4 | 900.39 | 3/4 | 1,380.88 | 3/4 | 1,908.64 | 3/4 | 2,470.75 | 3/4 | 3,056.46 | 3/4 | 3,656.15 | 3/4 | 4,260.83 | 3/4 | 4,861.72 |
| 11 | 164.41 | 11 | 491.95 | 11 | 909.77 | 11 | 1,391.41 | 11 | 1,920.01 | 11 | 2,482.73 | 11 | 3,068.83 | 11 | 3,668.72 | 11 | 4,273.42 | 11 | 4,874.14 |
| 1/4 | 170.07 | 1/4 | 499.91 | 1/4 | 919.26 | 1/4 | 1,402.03 | 1/4 | 1,931.45 | 1/4 | 2,494.76 | 1/4 | 3,081.23 | 1/4 | 3,681.31 | 1/4 | 4,286.01 | 1/4 | 4,886.54 |
| 1/2 | 175.74 | 1/2 | 507.87 | 1/2 | 928.75 | 1/2 | 1,412.64 | 1/2 | 1,942.89 | 1/2 | 2,506.78 | 1/2 | 3,093.63 | 1/2 | 3,693.89 | 1/2 | 4,298.59 | 1/2 | 4,898.94 |
| 3/4 | 181.40 | 3/4 | 515.83 | 3/4 | 938.25 | 3/4 | 1,423.25 | 3/4 | 1,954.33 | 3/4 | 2,518.80 | 3/4 | 3,106.02 | 3/4 | 3,706.47 | 3/4 | 4,311.17 | 3/4 | 4,911.34 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.2E
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES

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





BARGE "EMS 408"

STBD HORIZONTAL INNAGE TABLE

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 | 4,923.74 | 0 | 5,510.03 | 0 | 6,073.05 | 0 | 6,602.07 | 0 | 7,084.28 | 0 | 7,502.88 | 0 | 7,829.46 | 0 | | 0 | | 0 | |
| 1/4 | 4,936.12 | 1/4 | 5,522.02 | 1/4 | 6,084.44 | 1/4 | 6,612.61 | 1/4 | 7,093.68 | 1/4 | 7,510.70 | 1/4 | 7,834.96 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 4,948.50 | 1/2 | 5,534.01 | 1/2 | 6,095.82 | 1/2 | 6,623.15 | 1/2 | 7,103.07 | 1/2 | 7,518.53 | 1/2 | 7,840.47 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 4,960.88 | 3/4 | 5,545.99 | 3/4 | 6,107.21 | 3/4 | 6,633.69 | 3/4 | 7,112.47 | 3/4 | 7,526.36 | 3/4 | 7,845.97 | 3/4 | | 3/4 | | 3/4 | |
| 1 | 4,973.25 | 1 | 5,557.98 | 1 | 6,118.59 | 1 | 6,644.24 | 1 | 7,121.87 | 1 | 7,534.18 | 1 | 7,851.47 | 1 | | 1 | | 1 | |
| 1/4 | 4,985.60 | 1/4 | 5,569.92 | 1/4 | 6,129.92 | 1/4 | 6,654.70 | 1/4 | 7,131.15 | 1/4 | 7,541.85 | 1/4 | 7,856.72 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 4,997.96 | 1/2 | 5,581.87 | 1/2 | 6,141.24 | 1/2 | 6,665.16 | 1/2 | 7,140.44 | 1/2 | 7,549.52 | 1/2 | 7,861.96 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 5,010.31 | 3/4 | 5,593.81 | 3/4 | 6,152.57 | 3/4 | 6,675.62 | 3/4 | 7,149.72 | 3/4 | 7,557.19 | 3/4 | 7,867.21 | 3/4 | | 3/4 | | 3/4 | |
| 2 | 5,022.66 | 2 | 5,605.76 | 2 | 6,163.89 | 2 | 6,686.08 | 2 | 7,159.01 | 2 | 7,564.86 | 2 | 7,872.46 | 2 | | 2 | | 2 | |
| 1/4 | 5,034.98 | 1/4 | 5,617.66 | 1/4 | 6,175.16 | 1/4 | 6,696.45 | 1/4 | 7,168.18 | 1/4 | 7,572.37 | 1/4 | 7,877.43 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 5,047.31 | 1/2 | 5,629.56 | 1/2 | 6,186.42 | 1/2 | 6,706.83 | 1/2 | 7,177.34 | 1/2 | 7,579.88 | 1/2 | 7,882.41 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 5,059.64 | 3/4 | 5,641.46 | 3/4 | 6,197.68 | 3/4 | 6,717.20 | 3/4 | 7,186.51 | 3/4 | 7,587.39 | 3/4 | 7,887.38 | 3/4 | | 3/4 | | 3/4 | |
| 3 | 5,071.96 | 3 | 5,653.36 | 3 | 6,208.95 | 3 | 6,727.57 | 3 | 7,195.68 | 3 | 7,594.89 | 3 | 7,892.36 | 3 | | 3 | | 3 | |
| 1/4 | 5,084.26 | 1/4 | 5,665.22 | 1/4 | 6,220.15 | 1/4 | 6,737.86 | 1/4 | 7,204.74 | 1/4 | 7,602.23 | 1/4 | 7,897.04 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 5,096.56 | 1/2 | 5,677.08 | 1/2 | 6,231.35 | 1/2 | 6,748.15 | 1/2 | 7,213.79 | 1/2 | 7,609.57 | 1/2 | 7,901.73 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 5,108.85 | 3/4 | 5,688.93 | 3/4 | 6,242.54 | 3/4 | 6,758.44 | 3/4 | 7,222.84 | 3/4 | 7,616.91 | 3/4 | 7,906.42 | 3/4 | | 3/4 | | 3/4 | |
| 4 | 5,121.15 | 4 | 5,700.79 | 4 | 6,253.74 | 4 | 6,768.73 | 4 | 7,231.89 | 4 | 7,624.25 | 4 | 7,911.10 | 4 | | 4 | | 4 | |
| 1/4 | 5,133.42 | 1/4 | 5,712.60 | 1/4 | 6,264.88 | 1/4 | 6,778.92 | 1/4 | 7,240.82 | 1/4 | 7,631.23 | 1/4 | 7,915.48 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 5,145.69 | 1/2 | 5,724.41 | 1/2 | 6,276.01 | 1/2 | 6,789.12 | 1/2 | 7,249.75 | 1/2 | 7,638.20 | 1/2 | 7,919.85 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 5,157.96 | 3/4 | 5,736.22 | 3/4 | 6,287.15 | 3/4 | 6,799.32 | 3/4 | 7,258.68 | 3/4 | 7,645.18 | 3/4 | 7,924.23 | 3/4 | | 3/4 | | 3/4 | |
| 5 | 5,170.23 | 5 | 5,748.03 | 5 | 6,298.28 | 5 | 6,809.52 | 5 | 7,267.61 | 5 | 7,652.15 | 5 | 7,928.60 | 5 | | 5 | | 5 | |
| 1/4 | 5,182.47 | 1/4 | 5,759.80 | 1/4 | 6,309.35 | 1/4 | 6,819.63 | 1/4 | 7,276.42 | 1/4 | 7,658.95 | 1/4 | 7,932.64 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 5,194.70 | 1/2 | 5,771.56 | 1/2 | 6,320.41 | 1/2 | 6,829.73 | 1/2 | 7,285.22 | 1/2 | 7,665.74 | 1/2 | 7,936.67 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 5,206.94 | 3/4 | 5,783.32 | 3/4 | 6,331.48 | 3/4 | 6,839.84 | 3/4 | 7,294.03 | 3/4 | 7,672.54 | 3/4 | 7,940.71 | 3/4 | | 3/4 | | 3/4 | |
| 6 | 5,219.18 | 6 | 5,795.09 | 6 | 6,342.54 | 6 | 6,849.95 | 6 | 7,302.83 | 6 | 7,679.33 | 6 | 7,944.75 | 6 | | 6 | | 6 | |
| 1/4 | 5,231.39 | 1/4 | 5,806.80 | 1/4 | 6,353.54 | 1/4 | 6,859.96 | 1/4 | 7,311.51 | 1/4 | 7,685.94 | 1/4 | 7,948.41 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 5,243.59 | 1/2 | 5,818.51 | 1/2 | 6,364.54 | 1/2 | 6,869.97 | 1/2 | 7,320.19 | 1/2 | 7,692.55 | 1/2 | 7,952.08 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 5,255.80 | 3/4 | 5,830.23 | 3/4 | 6,375.54 | 3/4 | 6,879.98 | 3/4 | 7,328.86 | 3/4 | 7,699.15 | 3/4 | 7,955.74 | 3/4 | | 3/4 | | 3/4 | |
| 7 | 5,268.01 | 7 | 5,841.94 | 7 | 6,386.53 | 7 | 6,890.00 | 7 | 7,337.54 | 7 | 7,705.76 | 7 | 7,959.41 | 7 | | 7 | | 7 | |
| 1/4 | 5,280.18 | 1/4 | 5,853.60 | 1/4 | 6,397.46 | 1/4 | 6,899.91 | 1/4 | 7,346.09 | 1/4 | 7,712.37 | 1/4 | 7,962.66 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 5,292.35 | 1/2 | 5,865.27 | 1/2 | 6,408.39 | 1/2 | 6,909.83 | 1/2 | 7,354.63 | 1/2 | 7,718.98 | 1/2 | 7,965.90 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 5,304.53 | 3/4 | 5,876.93 | 3/4 | 6,419.31 | 3/4 | 6,919.75 | 3/4 | 7,363.18 | 3/4 | 7,725.58 | 3/4 | 7,969.15 | 3/4 | | 3/4 | | 3/4 | |
| 8 | 5,316.70 | 8 | 5,888.59 | 8 | 6,430.24 | 8 | 6,929.66 | 8 | 7,371.72 | 8 | 7,732.19 | 8 | 7,972.40 | 8 | | 8 | | 8 | |
| 1/4 | 5,328.84 | 1/4 | 5,900.21 | 1/4 | 6,441.09 | 1/4 | 6,939.48 | 1/4 | 7,380.13 | 1/4 | 7,738.59 | 1/4 | 7,975.16 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 5,340.98 | 1/2 | 5,911.82 | 1/2 | 6,451.95 | 1/2 | 6,949.30 | 1/2 | 7,388.54 | 1/2 | 7,745.00 | 1/2 | 7,977.93 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 5,353.12 | 3/4 | 5,923.43 | 3/4 | 6,462.80 | 3/4 | 6,959.12 | 3/4 | 7,396.95 | 3/4 | 7,751.40 | 3/4 | 7,980.69 | 3/4 | | 3/4 | | 3/4 | |
| 9 | 5,365.26 | 9 | 5,935.04 | 9 | 6,473.65 | 9 | 6,968.94 | 9 | 7,405.36 | 9 | 7,757.81 | 9 | 7,983.46 | 9 | | 9 | | 9 | |
| 1/4 | 5,377.36 | 1/4 | 5,946.59 | 1/4 | 6,484.43 | 1/4 | 6,978.65 | 1/4 | 7,413.64 | 1/4 | 7,764.00 | 1/4 | 7,985.63 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 5,389.46 | 1/2 | 5,958.15 | 1/2 | 6,495.21 | 1/2 | 6,988.37 | 1/2 | 7,421.91 | 1/2 | 7,770.20 | 1/2 | 7,987.80 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 5,401.56 | 3/4 | 5,969.71 | 3/4 | 6,505.99 | 3/4 | 6,998.09 | 3/4 | 7,430.18 | 3/4 | 7,776.39 | 3/4 | 7,989.97 | 3/4 | | 3/4 | | 3/4 | |
| 10 | 5,413.67 | 10 | 5,981.27 | 10 | 6,516.77 | 10 | 7,007.80 | 10 | 7,438.45 | 10 | 7,782.59 | 10 | 7,992.15 | 10 | | 10 | | 10 | |
| 1/4 | 5,425.73 | 1/4 | 5,992.77 | 1/4 | 6,527.47 | 1/4 | 7,017.42 | 1/4 | 7,446.58 | 1/4 | 7,788.56 | 1/4 | 7,993.46 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 5,437.80 | 1/2 | 6,004.27 | 1/2 | 6,538.17 | 1/2 | 7,027.03 | 1/2 | 7,454.70 | 1/2 | 7,794.54 | 1/2 | 7,994.77 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 5,449.86 | 3/4 | 6,015.77 | 3/4 | 6,548.87 | 3/4 | 7,036.64 | 3/4 | 7,462.83 | 3/4 | 7,800.51 | 3/4 | 7,996.08 | 3/4 | | 3/4 | | 3/4 | |
| 11 | 5,461.93 | 11 | 6,027.27 | 11 | 6,559.57 | 11 | 7,046.25 | 11 | 7,470.96 | 11 | 7,806.48 | 11 | 7,997.39 | 11 | | 11 | | 11 | |
| 1/4 | 5,473.95 | 1/4 | 6,038.72 | 1/4 | 6,570.20 | 1/4 | 7,055.76 | 1/4 | 7,478.94 | 1/4 | 7,812.23 | 1/8 | 7,997.42 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 5,485.98 | 1/2 | 6,050.16 | 1/2 | 6,580.82 | 1/2 | 7,065.27 | 1/2 | 7,486.92 | 1/2 | 7,817.97 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 5,498.01 | 3/4 | 6,061.61 | 3/4 | 6,591.44 | 3/4 | 7,074.77 | 3/4 | 7,494.90 | 3/4 | 7,823.72 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/16/2018 SW
CALCULATED: 11/16/2018 CL
PRINTED: 11/16/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2018

PRECISION MEASUREMENT
& ANALYSIS, INC.
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<http://www.pmacorp.net>