



BARGE "MM 128"

ULLAGE TRIM TABLE (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 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/4 | 00-1/4 | - 00-1/4 | 00-1/4 | - 00-3/8 | 00-3/8 | - 00-3/8 | 00-3/8 |
| 1 STBD | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/4 | 00-1/4 | - 00-1/4 | 00-1/4 | - 00-3/8 | 00-3/8 | - 00-3/8 | 00-3/8 |
| 2 PORT | - 00-0/8 | 00-0/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/4 | 00-1/4 | - 00-1/4 | 00-1/4 | - 00-1/4 | 00-1/4 |
| 2 STBD | - 00-0/8 | 00-0/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/4 | 00-1/4 | - 00-1/4 | 00-1/4 | - 00-1/4 | 00-1/4 |
| 3 PORT | 00-1/2 | - 00-1/2 | 01-1/8 | - 01-1/8 | 01-5/8 | - 01-5/8 | 02-1/4 | - 02-1/4 | 02-3/4 | - 02-3/4 | 03-3/8 | - 03-3/8 |
| 3 STBD | 00-1/2 | - 00-1/2 | 01-1/8 | - 01-1/8 | 01-5/8 | - 01-5/8 | 02-1/4 | - 02-1/4 | 02-3/4 | - 02-3/4 | 03-3/8 | - 03-3/8 |

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 254'-03"

September 16, 2019

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "MM 128"

ULLAGE TRIM TABLE (8" HATCH)

| | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | |
|--------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|
| | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> |
| 1 PORT | - 00-1/8 | 00-1/8 | - 00-1/4 | 00-1/4 | - 00-3/8 | 00-3/8 | - 00-1/2 | 00-1/2 | - 00-5/8 | 00-5/8 | - 00-3/4 | 00-3/4 |
| 1 STBD | - 00-1/8 | 00-1/8 | - 00-1/4 | 00-1/4 | - 00-3/8 | 00-3/8 | - 00-1/2 | 00-1/2 | - 00-5/8 | 00-5/8 | - 00-3/4 | 00-3/4 |
| 2 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 |
| 2 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 |
| 3 PORT | 00-1/2 | - 00-1/2 | 01-0/8 | - 01-0/8 | 01-1/2 | - 01-1/2 | 02-0/8 | - 02-0/8 | 02-5/8 | - 02-5/8 | 03-1/8 | - 03-1/8 |
| 3 STBD | 00-1/2 | - 00-1/2 | 01-0/8 | - 01-0/8 | 01-1/2 | - 01-1/2 | 02-0/8 | - 02-0/8 | 02-1/2 | - 02-1/2 | 03-1/8 | - 03-1/8 |

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 254'-03"

September 16, 2019

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& ANALYSIS, INC.**

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 Pearland, Texas 77588

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BARGE "MM 128"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

| 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 | 2,083.59 | 0 | 1,720.52 | 0 | 1,357.46 | 0 | 994.80 | 0 | 631.85 | 0 | 268.80 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 2,076.02 | 1/4 | 1,712.96 | 1/4 | 1,349.90 | 1/4 | 987.25 | 1/4 | 624.28 | 1/4 | 261.23 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,068.46 | 1/2 | 1,705.40 | 1/2 | 1,342.33 | 1/2 | 979.70 | 1/2 | 616.72 | 1/2 | 253.67 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,060.89 | 3/4 | 1,697.83 | 3/4 | 1,334.77 | 3/4 | 972.15 | 3/4 | 609.16 | 3/4 | 246.11 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 2,053.33 | 1 | 1,690.27 | 1 | 1,327.21 | 1 | 964.59 | 1 | 601.59 | 1 | 238.54 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 2,045.77 | 1/4 | 1,682.70 | 1/4 | 1,319.64 | 1/4 | 957.04 | 1/4 | 594.03 | 1/4 | 230.98 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,038.20 | 1/2 | 1,675.14 | 1/2 | 1,312.08 | 1/2 | 949.49 | 1/2 | 586.46 | 1/2 | 223.42 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,030.64 | 3/4 | 1,667.58 | 3/4 | 1,304.51 | 3/4 | 941.94 | 3/4 | 578.90 | 3/4 | 215.85 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 2,023.08 | 2 | 1,660.01 | 2 | 1,296.95 | 2 | 934.39 | 2 | 571.34 | 2 | 208.29 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/4 | 2,015.51 | 1/4 | 1,652.45 | 1/4 | 1,289.39 | 1/4 | 926.82 | 1/4 | 563.77 | 1/4 | 200.73 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,007.95 | 1/2 | 1,644.89 | 1/2 | 1,281.82 | 1/2 | 919.26 | 1/2 | 556.21 | 1/2 | 193.16 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,000.38 | 3/4 | 1,637.32 | 3/4 | 1,274.26 | 3/4 | 911.70 | 3/4 | 548.65 | 3/4 | 185.60 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 1,992.82 | 3 | 1,629.76 | 3 | 1,266.70 | 3 | 904.13 | 3 | 541.08 | 3 | 178.04 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1/4 | 1,985.26 | 1/4 | 1,622.19 | 1/4 | 1,259.13 | 1/4 | 896.57 | 1/4 | 533.52 | 1/4 | 170.47 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,977.69 | 1/2 | 1,614.63 | 1/2 | 1,251.57 | 1/2 | 889.00 | 1/2 | 525.96 | 1/2 | 162.91 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,970.13 | 3/4 | 1,607.07 | 3/4 | 1,244.01 | 3/4 | 881.44 | 3/4 | 518.39 | 3/4 | 155.35 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 1,962.57 | 4 | 1,599.50 | 4 | 1,236.45 | 4 | 873.88 | 4 | 510.83 | 4 | 147.78 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1/4 | 1,955.00 | 1/4 | 1,591.94 | 1/4 | 1,228.90 | 1/4 | 866.31 | 1/4 | 503.27 | 1/4 | 140.22 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,947.44 | 1/2 | 1,584.38 | 1/2 | 1,221.35 | 1/2 | 858.75 | 1/2 | 495.70 | 1/2 | 132.65 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,939.87 | 3/4 | 1,576.81 | 3/4 | 1,213.79 | 3/4 | 851.19 | 3/4 | 488.14 | 3/4 | 125.09 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 1,932.31 | 5 | 1,569.25 | 5 | 1,206.24 | 5 | 843.62 | 5 | 480.58 | 5 | 117.53 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1/4 | 1,924.75 | 1/4 | 1,561.68 | 1/4 | 1,198.69 | 1/4 | 836.06 | 1/4 | 473.01 | 1/4 | 110.04 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,917.18 | 1/2 | 1,554.12 | 1/2 | 1,191.14 | 1/2 | 828.50 | 1/2 | 465.45 | 1/2 | 102.56 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,909.62 | 3/4 | 1,546.56 | 3/4 | 1,183.59 | 3/4 | 820.93 | 3/4 | 457.89 | 3/4 | 95.07 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 1,902.06 | 6 | 1,538.99 | 6 | 1,176.04 | 6 | 813.37 | 6 | 450.32 | 6 | 87.59 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1/4 | 1,894.49 | 1/4 | 1,531.43 | 1/4 | 1,168.48 | 1/4 | 805.81 | 1/4 | 442.76 | 1/4 | 80.81 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,886.93 | 1/2 | 1,523.87 | 1/2 | 1,160.93 | 1/2 | 798.24 | 1/2 | 435.19 | 1/2 | 74.04 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,879.36 | 3/4 | 1,516.30 | 3/4 | 1,153.38 | 3/4 | 790.68 | 3/4 | 427.63 | 3/4 | 67.26 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 1,871.80 | 7 | 1,508.74 | 7 | 1,145.83 | 7 | 783.12 | 7 | 420.07 | 7 | 60.49 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1/4 | 1,864.24 | 1/4 | 1,501.17 | 1/4 | 1,138.28 | 1/4 | 775.55 | 1/4 | 412.50 | 1/4 | 54.97 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,856.67 | 1/2 | 1,493.61 | 1/2 | 1,130.73 | 1/2 | 767.99 | 1/2 | 404.94 | 1/2 | 49.46 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,849.11 | 3/4 | 1,486.05 | 3/4 | 1,123.18 | 3/4 | 760.43 | 3/4 | 397.38 | 3/4 | 43.95 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 1,841.54 | 8 | 1,478.48 | 8 | 1,115.62 | 8 | 752.86 | 8 | 389.81 | 8 | 38.43 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1/4 | 1,833.98 | 1/4 | 1,470.92 | 1/4 | 1,108.07 | 1/4 | 745.30 | 1/4 | 382.25 | 1/4 | 34.18 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,826.42 | 1/2 | 1,463.35 | 1/2 | 1,100.52 | 1/2 | 737.73 | 1/2 | 374.69 | 1/2 | 29.92 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,818.85 | 3/4 | 1,455.79 | 3/4 | 1,092.97 | 3/4 | 730.17 | 3/4 | 367.12 | 3/4 | 25.67 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 1,811.29 | 9 | 1,448.23 | 9 | 1,085.42 | 9 | 722.61 | 9 | 359.56 | 9 | 21.42 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1/4 | 1,803.73 | 1/4 | 1,440.66 | 1/4 | 1,077.87 | 1/4 | 715.04 | 1/4 | 352.00 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,796.16 | 1/2 | 1,433.10 | 1/2 | 1,070.32 | 1/2 | 707.48 | 1/2 | 344.43 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,788.60 | 3/4 | 1,425.54 | 3/4 | 1,062.76 | 3/4 | 699.92 | 3/4 | 336.87 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 1,781.03 | 10 | 1,417.97 | 10 | 1,055.21 | 10 | 692.35 | 10 | 329.31 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1/4 | 1,773.47 | 1/4 | 1,410.41 | 1/4 | 1,047.66 | 1/4 | 684.79 | 1/4 | 321.74 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,765.91 | 1/2 | 1,402.84 | 1/2 | 1,040.11 | 1/2 | 677.23 | 1/2 | 314.18 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,758.34 | 3/4 | 1,395.28 | 3/4 | 1,032.56 | 3/4 | 669.66 | 3/4 | 306.62 | 3/4 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 11 | 1,750.78 | 11 | 1,387.72 | 11 | 1,025.01 | 11 | 662.10 | 11 | 299.05 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1/4 | 1,743.22 | 1/4 | 1,380.15 | 1/4 | 1,017.45 | 1/4 | 654.54 | 1/4 | 291.49 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,735.65 | 1/2 | 1,372.59 | 1/2 | 1,009.90 | 1/2 | 646.97 | 1/2 | 283.92 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,728.09 | 3/4 | 1,365.03 | 3/4 | 1,002.35 | 3/4 | 639.41 | 3/4 | 276.36 | 3/4 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/16/2019 CL
CALCULATED: 09/17/2019 CL
PRINTED: 09/17/2019 SW

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& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2019



BARGE "MM 128"

1 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

Table with columns for IN, 0 FT., 1 FT., 2 FT., 3 FT., 4 FT., 5 FT., 6 FT., 7 FT., 8 FT., 9 FT. and rows for 0, 1/4, 1/2, 3/4, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7. CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL. CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT. CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT 8" DIAMETER HATCH OR TOP LIP OF 2" HERMETIC VALVE. GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD. GAUGE POINT: (8" HATCH) LOCATED 10'-06" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "MM 128"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GUAGE HEIGHT 15'-09"

| 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 | 2,082.44 | 0 | 1,719.24 | 0 | 1,356.05 | 0 | 994.70 | 0 | 632.07 | 0 | 268.89 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 2,074.87 | 1/4 | 1,711.68 | 1/4 | 1,348.49 | 1/4 | 987.19 | 1/4 | 624.50 | 1/4 | 261.33 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,067.30 | 1/2 | 1,704.11 | 1/2 | 1,340.92 | 1/2 | 979.67 | 1/2 | 616.94 | 1/2 | 253.76 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,059.74 | 3/4 | 1,696.55 | 3/4 | 1,333.35 | 3/4 | 972.16 | 3/4 | 609.37 | 3/4 | 246.19 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 2,052.17 | 1 | 1,688.98 | 1 | 1,325.79 | 1 | 964.64 | 1 | 601.81 | 1 | 238.63 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 2,044.60 | 1/4 | 1,681.41 | 1/4 | 1,318.22 | 1/4 | 957.13 | 1/4 | 594.24 | 1/4 | 231.06 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,037.04 | 1/2 | 1,673.85 | 1/2 | 1,310.65 | 1/2 | 949.61 | 1/2 | 586.67 | 1/2 | 223.50 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,029.47 | 3/4 | 1,666.28 | 3/4 | 1,303.09 | 3/4 | 942.10 | 3/4 | 579.11 | 3/4 | 215.93 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 2,021.90 | 2 | 1,658.71 | 2 | 1,295.52 | 2 | 934.58 | 2 | 571.54 | 2 | 208.36 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/4 | 2,014.34 | 1/4 | 1,651.15 | 1/4 | 1,287.96 | 1/4 | 927.05 | 1/4 | 563.97 | 1/4 | 200.80 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,006.77 | 1/2 | 1,643.58 | 1/2 | 1,280.40 | 1/2 | 919.52 | 1/2 | 556.41 | 1/2 | 193.23 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,999.21 | 3/4 | 1,636.01 | 3/4 | 1,272.84 | 3/4 | 911.99 | 3/4 | 548.84 | 3/4 | 185.66 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 1,991.64 | 3 | 1,628.45 | 3 | 1,265.27 | 3 | 904.45 | 3 | 541.28 | 3 | 178.10 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1/4 | 1,984.07 | 1/4 | 1,620.88 | 1/4 | 1,257.75 | 1/4 | 896.89 | 1/4 | 533.71 | 1/4 | 170.53 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,976.51 | 1/2 | 1,613.31 | 1/2 | 1,250.22 | 1/2 | 889.32 | 1/2 | 526.14 | 1/2 | 162.97 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,968.94 | 3/4 | 1,605.75 | 3/4 | 1,242.70 | 3/4 | 881.76 | 3/4 | 518.58 | 3/4 | 155.40 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 1,961.37 | 4 | 1,598.18 | 4 | 1,235.17 | 4 | 874.19 | 4 | 511.01 | 4 | 147.83 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1/4 | 1,953.81 | 1/4 | 1,590.61 | 1/4 | 1,227.66 | 1/4 | 866.62 | 1/4 | 503.45 | 1/4 | 140.27 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,946.24 | 1/2 | 1,583.05 | 1/2 | 1,220.14 | 1/2 | 859.06 | 1/2 | 495.88 | 1/2 | 132.70 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,938.67 | 3/4 | 1,575.48 | 3/4 | 1,212.63 | 3/4 | 851.49 | 3/4 | 488.31 | 3/4 | 125.14 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 1,931.11 | 5 | 1,567.91 | 5 | 1,205.11 | 5 | 843.92 | 5 | 480.75 | 5 | 117.57 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1/4 | 1,923.54 | 1/4 | 1,560.35 | 1/4 | 1,197.60 | 1/4 | 836.36 | 1/4 | 473.18 | 1/4 | 110.08 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,915.97 | 1/2 | 1,552.78 | 1/2 | 1,190.09 | 1/2 | 828.79 | 1/2 | 465.61 | 1/2 | 102.59 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,908.41 | 3/4 | 1,545.22 | 3/4 | 1,182.57 | 3/4 | 821.23 | 3/4 | 458.05 | 3/4 | 95.11 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 1,900.84 | 6 | 1,537.65 | 6 | 1,175.06 | 6 | 813.66 | 6 | 450.48 | 6 | 87.62 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1/4 | 1,893.27 | 1/4 | 1,530.08 | 1/4 | 1,167.54 | 1/4 | 806.09 | 1/4 | 442.92 | 1/4 | 80.84 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,885.71 | 1/2 | 1,522.52 | 1/2 | 1,160.03 | 1/2 | 798.53 | 1/2 | 435.35 | 1/2 | 74.06 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,878.14 | 3/4 | 1,514.95 | 3/4 | 1,152.51 | 3/4 | 790.96 | 3/4 | 427.78 | 3/4 | 67.29 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 1,870.57 | 7 | 1,507.38 | 7 | 1,145.00 | 7 | 783.39 | 7 | 420.22 | 7 | 60.51 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1/4 | 1,863.01 | 1/4 | 1,499.82 | 1/4 | 1,137.48 | 1/4 | 775.83 | 1/4 | 412.65 | 1/4 | 54.99 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,855.44 | 1/2 | 1,492.25 | 1/2 | 1,129.97 | 1/2 | 768.26 | 1/2 | 405.08 | 1/2 | 49.48 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,847.88 | 3/4 | 1,484.68 | 3/4 | 1,122.45 | 3/4 | 760.70 | 3/4 | 397.52 | 3/4 | 43.96 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 1,840.31 | 8 | 1,477.12 | 8 | 1,114.94 | 8 | 753.13 | 8 | 389.95 | 8 | 38.44 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1/4 | 1,832.74 | 1/4 | 1,469.55 | 1/4 | 1,107.42 | 1/4 | 745.56 | 1/4 | 382.39 | 1/4 | 34.19 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,825.18 | 1/2 | 1,461.98 | 1/2 | 1,099.91 | 1/2 | 738.00 | 1/2 | 374.82 | 1/2 | 29.93 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,817.61 | 3/4 | 1,454.42 | 3/4 | 1,092.39 | 3/4 | 730.43 | 3/4 | 367.25 | 3/4 | 25.68 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 1,810.04 | 9 | 1,446.85 | 9 | 1,084.88 | 9 | 722.86 | 9 | 359.69 | 9 | 21.42 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1/4 | 1,802.48 | 1/4 | 1,439.28 | 1/4 | 1,077.36 | 1/4 | 715.30 | 1/4 | 352.12 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,794.91 | 1/2 | 1,431.72 | 1/2 | 1,069.85 | 1/2 | 707.73 | 1/2 | 344.55 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,787.34 | 3/4 | 1,424.15 | 3/4 | 1,062.34 | 3/4 | 700.17 | 3/4 | 336.99 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 1,779.78 | 10 | 1,416.58 | 10 | 1,054.82 | 10 | 692.60 | 10 | 329.42 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1/4 | 1,772.21 | 1/4 | 1,409.02 | 1/4 | 1,047.31 | 1/4 | 685.03 | 1/4 | 321.86 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,764.64 | 1/2 | 1,401.45 | 1/2 | 1,039.79 | 1/2 | 677.47 | 1/2 | 314.29 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,757.08 | 3/4 | 1,393.89 | 3/4 | 1,032.28 | 3/4 | 669.90 | 3/4 | 306.72 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 1,749.51 | 11 | 1,386.32 | 11 | 1,024.76 | 11 | 662.34 | 11 | 299.16 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1/4 | 1,741.94 | 1/4 | 1,378.75 | 1/4 | 1,017.25 | 1/4 | 654.77 | 1/4 | 291.59 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,734.38 | 1/2 | 1,371.19 | 1/2 | 1,009.73 | 1/2 | 647.20 | 1/2 | 284.03 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,726.81 | 3/4 | 1,363.62 | 3/4 | 1,002.22 | 3/4 | 639.64 | 3/4 | 276.46 | 3/4 | 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: 09/16/2019 CL
CALCULATED: 09/17/2019 CL
PRINTED: 09/17/2019 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2019



BARGE "MM 128"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GUAGE HEIGHT 15'-09"

| 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 | 2,076.41 | 0 | 1,714.60 | 0 | 1,352.79 | 0 | 991.37 | 0 | 629.67 | 0 | 267.87 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 2,068.88 | 1/4 | 1,707.06 | 1/4 | 1,345.25 | 1/4 | 983.85 | 1/4 | 622.13 | 1/4 | 260.33 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,061.34 | 1/2 | 1,699.52 | 1/2 | 1,337.71 | 1/2 | 976.32 | 1/2 | 614.59 | 1/2 | 252.79 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,053.80 | 3/4 | 1,691.99 | 3/4 | 1,330.17 | 3/4 | 968.80 | 3/4 | 607.06 | 3/4 | 245.26 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 2,046.26 | 1 | 1,684.45 | 1 | 1,322.63 | 1 | 961.27 | 1 | 599.52 | 1 | 237.72 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 2,038.73 | 1/4 | 1,676.91 | 1/4 | 1,315.10 | 1/4 | 953.75 | 1/4 | 591.98 | 1/4 | 230.18 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,031.19 | 1/2 | 1,669.37 | 1/2 | 1,307.56 | 1/2 | 946.22 | 1/2 | 584.44 | 1/2 | 222.64 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,023.65 | 3/4 | 1,661.84 | 3/4 | 1,300.02 | 3/4 | 938.69 | 3/4 | 576.91 | 3/4 | 215.11 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 2,016.11 | 2 | 1,654.30 | 2 | 1,292.48 | 2 | 931.17 | 2 | 569.37 | 2 | 207.57 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/4 | 2,008.57 | 1/4 | 1,646.76 | 1/4 | 1,284.95 | 1/4 | 923.63 | 1/4 | 561.83 | 1/4 | 200.03 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,001.04 | 1/2 | 1,639.22 | 1/2 | 1,277.41 | 1/2 | 916.09 | 1/2 | 554.29 | 1/2 | 192.49 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,993.50 | 3/4 | 1,631.68 | 3/4 | 1,269.87 | 3/4 | 908.56 | 3/4 | 546.76 | 3/4 | 184.96 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 1,985.96 | 3 | 1,624.15 | 3 | 1,262.33 | 3 | 901.02 | 3 | 539.22 | 3 | 177.42 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1/4 | 1,978.42 | 1/4 | 1,616.61 | 1/4 | 1,254.80 | 1/4 | 893.48 | 1/4 | 531.68 | 1/4 | 169.88 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,970.89 | 1/2 | 1,609.07 | 1/2 | 1,247.26 | 1/2 | 885.94 | 1/2 | 524.14 | 1/2 | 162.34 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,963.35 | 3/4 | 1,601.53 | 3/4 | 1,239.73 | 3/4 | 878.41 | 3/4 | 516.61 | 3/4 | 154.81 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 1,955.81 | 4 | 1,594.00 | 4 | 1,232.19 | 4 | 870.87 | 4 | 509.07 | 4 | 147.27 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1/4 | 1,948.27 | 1/4 | 1,586.46 | 1/4 | 1,224.66 | 1/4 | 863.33 | 1/4 | 501.53 | 1/4 | 139.73 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,940.73 | 1/2 | 1,578.92 | 1/2 | 1,217.14 | 1/2 | 855.79 | 1/2 | 493.99 | 1/2 | 132.19 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,933.20 | 3/4 | 1,571.38 | 3/4 | 1,209.61 | 3/4 | 848.26 | 3/4 | 486.46 | 3/4 | 124.66 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 1,925.66 | 5 | 1,563.84 | 5 | 1,202.09 | 5 | 840.72 | 5 | 478.92 | 5 | 117.12 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1/4 | 1,918.12 | 1/4 | 1,556.31 | 1/4 | 1,194.56 | 1/4 | 833.18 | 1/4 | 471.38 | 1/4 | 109.66 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,910.58 | 1/2 | 1,548.77 | 1/2 | 1,187.04 | 1/2 | 825.64 | 1/2 | 463.84 | 1/2 | 102.20 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,903.05 | 3/4 | 1,541.23 | 3/4 | 1,179.51 | 3/4 | 818.11 | 3/4 | 456.31 | 3/4 | 94.74 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 1,895.51 | 6 | 1,533.69 | 6 | 1,171.99 | 6 | 810.57 | 6 | 448.77 | 6 | 87.28 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1/4 | 1,887.97 | 1/4 | 1,526.16 | 1/4 | 1,164.46 | 1/4 | 803.03 | 1/4 | 441.23 | 1/4 | 80.53 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,880.43 | 1/2 | 1,518.62 | 1/2 | 1,156.93 | 1/2 | 795.49 | 1/2 | 433.69 | 1/2 | 73.78 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,872.89 | 3/4 | 1,511.08 | 3/4 | 1,149.41 | 3/4 | 787.96 | 3/4 | 426.16 | 3/4 | 67.03 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 1,865.36 | 7 | 1,503.54 | 7 | 1,141.88 | 7 | 780.42 | 7 | 418.62 | 7 | 60.27 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1/4 | 1,857.82 | 1/4 | 1,496.00 | 1/4 | 1,134.36 | 1/4 | 772.88 | 1/4 | 411.08 | 1/4 | 54.78 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,850.28 | 1/2 | 1,488.47 | 1/2 | 1,126.83 | 1/2 | 765.34 | 1/2 | 403.54 | 1/2 | 49.28 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,842.74 | 3/4 | 1,480.93 | 3/4 | 1,119.31 | 3/4 | 757.81 | 3/4 | 396.01 | 3/4 | 43.79 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 1,835.21 | 8 | 1,473.39 | 8 | 1,111.78 | 8 | 750.27 | 8 | 388.47 | 8 | 38.29 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1/4 | 1,827.67 | 1/4 | 1,465.85 | 1/4 | 1,104.26 | 1/4 | 742.73 | 1/4 | 380.93 | 1/4 | 34.06 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,820.13 | 1/2 | 1,458.32 | 1/2 | 1,096.73 | 1/2 | 735.19 | 1/2 | 373.39 | 1/2 | 29.82 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,812.59 | 3/4 | 1,450.78 | 3/4 | 1,089.20 | 3/4 | 727.66 | 3/4 | 365.86 | 3/4 | 25.58 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 1,805.05 | 9 | 1,443.24 | 9 | 1,081.68 | 9 | 720.12 | 9 | 358.32 | 9 | 21.34 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1/4 | 1,797.52 | 1/4 | 1,435.70 | 1/4 | 1,074.15 | 1/4 | 712.58 | 1/4 | 350.78 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,789.98 | 1/2 | 1,428.16 | 1/2 | 1,066.63 | 1/2 | 705.04 | 1/2 | 343.24 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,782.44 | 3/4 | 1,420.63 | 3/4 | 1,059.10 | 3/4 | 697.51 | 3/4 | 335.71 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 1,774.90 | 10 | 1,413.09 | 10 | 1,051.58 | 10 | 689.97 | 10 | 328.17 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1/4 | 1,767.37 | 1/4 | 1,405.55 | 1/4 | 1,044.05 | 1/4 | 682.43 | 1/4 | 320.63 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,759.83 | 1/2 | 1,398.01 | 1/2 | 1,036.53 | 1/2 | 674.89 | 1/2 | 313.09 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,752.29 | 3/4 | 1,390.48 | 3/4 | 1,029.00 | 3/4 | 667.36 | 3/4 | 305.56 | 3/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 11 | 1,744.75 | 11 | 1,382.94 | 11 | 1,021.48 | 11 | 659.82 | 11 | 298.02 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1/4 | 1,737.21 | 1/4 | 1,375.40 | 1/4 | 1,013.95 | 1/4 | 652.28 | 1/4 | 290.48 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,729.68 | 1/2 | 1,367.86 | 1/2 | 1,006.42 | 1/2 | 644.74 | 1/2 | 282.94 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,722.14 | 3/4 | 1,360.32 | 3/4 | 998.90 | 3/4 | 637.21 | 3/4 | 275.41 | 3/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2019



BARGE "MM 128"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

| 0 FT. | | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | | 7 FT. | | 8 FT. | | 9 FT. | |
|-------|-----|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 0 | | 0 | | 0 | 4,893.52 | 0 | 4,563.23 | 0 | 4,218.81 | 0 | 3,861.41 | 0 | 3,499.75 | 0 | 3,138.08 | 0 | 2,776.42 | 0 | 2,414.67 |
| 1/4 | | 1/4 | | 1/4 | 4,886.78 | 1/4 | 4,556.19 | 1/4 | 4,211.49 | 1/4 | 3,853.88 | 1/4 | 3,492.21 | 1/4 | 3,130.55 | 1/4 | 2,768.88 | 1/4 | 2,407.13 |
| 1/2 | | 1/2 | | 1/2 | 4,880.04 | 1/2 | 4,549.14 | 1/2 | 4,204.17 | 1/2 | 3,846.35 | 1/2 | 3,484.68 | 1/2 | 3,123.01 | 1/2 | 2,761.35 | 1/2 | 2,399.60 |
| 3/4 | | 3/4 | 5,185.38 | 3/4 | 4,873.31 | 3/4 | 4,542.10 | 3/4 | 4,196.85 | 3/4 | 3,838.81 | 3/4 | 3,477.14 | 3/4 | 3,115.48 | 3/4 | 2,753.81 | 3/4 | 2,392.06 |
| 1 | | 1 | 5,180.27 | 1 | 4,866.55 | 1 | 4,535.03 | 1 | 4,189.51 | 1 | 3,831.28 | 1 | 3,469.61 | 1 | 3,107.94 | 1 | 2,746.28 | 1 | 2,384.52 |
| 1/4 | | 1/4 | 5,175.17 | 1/4 | 4,859.78 | 1/4 | 4,527.97 | 1/4 | 4,182.16 | 1/4 | 3,823.74 | 1/4 | 3,462.08 | 1/4 | 3,100.41 | 1/4 | 2,738.74 | 1/4 | 2,376.98 |
| 1/2 | | 1/2 | 5,170.06 | 1/2 | 4,853.02 | 1/2 | 4,520.90 | 1/2 | 4,174.82 | 1/2 | 3,816.21 | 1/2 | 3,454.54 | 1/2 | 3,092.88 | 1/2 | 2,731.21 | 1/2 | 2,369.45 |
| 3/4 | | 3/4 | 5,164.96 | 3/4 | 4,846.26 | 3/4 | 4,513.83 | 3/4 | 4,167.48 | 3/4 | 3,808.67 | 3/4 | 3,447.01 | 3/4 | 3,085.34 | 3/4 | 2,723.67 | 3/4 | 2,361.91 |
| 2 | | 2 | 5,158.64 | 2 | 4,839.48 | 2 | 4,506.74 | 2 | 4,160.11 | 2 | 3,801.14 | 2 | 3,439.47 | 2 | 3,077.81 | 2 | 2,716.14 | 2 | 2,354.37 |
| 1/4 | | 1/4 | 5,152.32 | 1/4 | 4,832.69 | 1/4 | 4,499.66 | 1/4 | 4,152.75 | 1/4 | 3,793.60 | 1/4 | 3,431.94 | 1/4 | 3,070.27 | 1/4 | 2,708.61 | 1/4 | 2,346.83 |
| 1/2 | | 1/2 | 5,146.01 | 1/2 | 4,825.91 | 1/2 | 4,492.57 | 1/2 | 4,145.38 | 1/2 | 3,786.07 | 1/2 | 3,424.40 | 1/2 | 3,062.74 | 1/2 | 2,701.07 | 1/2 | 2,339.30 |
| 3/4 | | 3/4 | 5,139.69 | 3/4 | 4,819.12 | 3/4 | 4,485.48 | 3/4 | 4,138.02 | 3/4 | 3,778.53 | 3/4 | 3,416.87 | 3/4 | 3,055.20 | 3/4 | 2,693.54 | 3/4 | 2,331.76 |
| 3 | | 3 | 5,132.51 | 3 | 4,812.32 | 3 | 4,478.36 | 3 | 4,130.63 | 3 | 3,771.00 | 3 | 3,409.33 | 3 | 3,047.67 | 3 | 2,686.00 | 3 | 2,324.22 |
| 1/4 | | 1/4 | 5,125.33 | 1/4 | 4,805.51 | 1/4 | 4,471.25 | 1/4 | 4,123.24 | 1/4 | 3,763.46 | 1/4 | 3,401.80 | 1/4 | 3,040.13 | 1/4 | 2,678.47 | 1/4 | 2,316.68 |
| 1/2 | | 1/2 | 5,118.15 | 1/2 | 4,798.70 | 1/2 | 4,464.14 | 1/2 | 4,115.85 | 1/2 | 3,755.93 | 1/2 | 3,394.26 | 1/2 | 3,032.60 | 1/2 | 2,670.93 | 1/2 | 2,309.15 |
| 3/4 | | 3/4 | 5,110.97 | 3/4 | 4,791.90 | 3/4 | 4,457.03 | 3/4 | 4,108.47 | 3/4 | 3,748.39 | 3/4 | 3,386.73 | 3/4 | 3,025.06 | 3/4 | 2,663.40 | 3/4 | 2,301.61 |
| 4 | | 4 | 5,104.48 | 4 | 4,785.07 | 4 | 4,449.89 | 4 | 4,101.06 | 4 | 3,740.86 | 4 | 3,379.19 | 4 | 3,017.53 | 4 | 2,655.86 | 4 | 2,294.07 |
| 1/4 | | 1/4 | 5,098.00 | 1/4 | 4,778.24 | 1/4 | 4,442.76 | 1/4 | 4,093.64 | 1/4 | 3,733.32 | 1/4 | 3,371.66 | 1/4 | 3,009.99 | 1/4 | 2,648.33 | 1/4 | 2,286.53 |
| 1/2 | | 1/2 | 5,091.51 | 1/2 | 4,771.40 | 1/2 | 4,435.62 | 1/2 | 4,086.23 | 1/2 | 3,725.79 | 1/2 | 3,364.12 | 1/2 | 3,002.46 | 1/2 | 2,640.79 | 1/2 | 2,279.00 |
| 3/4 | | 3/4 | 5,085.03 | 3/4 | 4,764.57 | 3/4 | 4,428.49 | 3/4 | 4,078.82 | 3/4 | 3,718.26 | 3/4 | 3,356.59 | 3/4 | 2,994.92 | 3/4 | 2,633.26 | 3/4 | 2,271.46 |
| 5 | | 5 | 5,078.52 | 5 | 4,757.72 | 5 | 4,421.33 | 5 | 4,071.39 | 5 | 3,710.72 | 5 | 3,349.05 | 5 | 2,987.39 | 5 | 2,625.72 | 5 | 2,263.92 |
| 1/4 | | 1/4 | 5,072.01 | 1/4 | 4,750.87 | 1/4 | 4,414.17 | 1/4 | 4,063.95 | 1/4 | 3,703.19 | 1/4 | 3,341.52 | 1/4 | 2,979.85 | 1/4 | 2,618.18 | 1/4 | 2,256.39 |
| 1/2 | | 1/2 | 5,065.50 | 1/2 | 4,744.01 | 1/2 | 4,407.01 | 1/2 | 4,056.52 | 1/2 | 3,695.65 | 1/2 | 3,333.99 | 1/2 | 2,972.32 | 1/2 | 2,610.64 | 1/2 | 2,248.85 |
| 3/4 | | 3/4 | 5,058.99 | 3/4 | 4,737.16 | 3/4 | 4,399.85 | 3/4 | 4,049.09 | 3/4 | 3,688.12 | 3/4 | 3,326.45 | 3/4 | 2,964.79 | 3/4 | 2,603.11 | 3/4 | 2,241.31 |
| 6 | | 6 | 5,052.46 | 6 | 4,730.29 | 6 | 4,392.67 | 6 | 4,041.63 | 6 | 3,680.58 | 6 | 3,318.92 | 6 | 2,957.25 | 6 | 2,595.57 | 6 | 2,233.77 |
| 1/4 | | 1/4 | 5,045.93 | 1/4 | 4,723.41 | 1/4 | 4,385.49 | 1/4 | 4,034.17 | 1/4 | 3,673.05 | 1/4 | 3,311.38 | 1/4 | 2,949.72 | 1/4 | 2,588.03 | 1/4 | 2,226.24 |
| 1/2 | | 1/2 | 5,039.40 | 1/2 | 4,716.53 | 1/2 | 4,378.31 | 1/2 | 4,026.71 | 1/2 | 3,665.51 | 1/2 | 3,303.85 | 1/2 | 2,942.18 | 1/2 | 2,580.49 | 1/2 | 2,218.70 |
| 3/4 | | 3/4 | 5,032.87 | 3/4 | 4,709.66 | 3/4 | 4,371.13 | 3/4 | 4,019.26 | 3/4 | 3,657.98 | 3/4 | 3,296.31 | 3/4 | 2,934.65 | 3/4 | 2,572.96 | 3/4 | 2,211.16 |
| 7 | | 7 | 5,026.31 | 7 | 4,702.75 | 7 | 4,363.92 | 7 | 4,011.78 | 7 | 3,650.44 | 7 | 3,288.78 | 7 | 2,927.11 | 7 | 2,565.42 | 7 | 2,203.62 |
| 1/4 | | 1/4 | 5,019.76 | 1/4 | 4,695.85 | 1/4 | 4,356.72 | 1/4 | 4,004.30 | 1/4 | 3,642.91 | 1/4 | 3,281.24 | 1/4 | 2,919.58 | 1/4 | 2,557.88 | 1/4 | 2,196.09 |
| 1/2 | | 1/2 | 5,013.21 | 1/2 | 4,688.95 | 1/2 | 4,349.52 | 1/2 | 3,996.82 | 1/2 | 3,635.37 | 1/2 | 3,273.71 | 1/2 | 2,912.04 | 1/2 | 2,550.34 | 1/2 | 2,188.55 |
| 3/4 | | 3/4 | 5,006.65 | 3/4 | 4,682.05 | 3/4 | 4,342.31 | 3/4 | 3,989.34 | 3/4 | 3,627.84 | 3/4 | 3,266.17 | 3/4 | 2,904.51 | 3/4 | 2,542.81 | 3/4 | 2,181.01 |
| 8 | | 8 | 5,000.08 | 8 | 4,675.09 | 8 | 4,335.09 | 8 | 3,981.83 | 8 | 3,620.30 | 8 | 3,258.64 | 8 | 2,896.97 | 8 | 2,535.27 | 8 | 2,173.47 |
| 1/4 | | 1/4 | 4,993.50 | 1/4 | 4,668.14 | 1/4 | 4,327.86 | 1/4 | 3,974.33 | 1/4 | 3,612.77 | 1/4 | 3,251.10 | 1/4 | 2,889.44 | 1/4 | 2,527.73 | 1/4 | 2,165.94 |
| 1/2 | | 1/2 | 4,986.92 | 1/2 | 4,661.19 | 1/2 | 4,320.63 | 1/2 | 3,966.83 | 1/2 | 3,605.23 | 1/2 | 3,243.57 | 1/2 | 2,881.90 | 1/2 | 2,520.19 | 1/2 | 2,158.40 |
| 3/4 | | 3/4 | 4,980.34 | 3/4 | 4,654.24 | 3/4 | 4,313.40 | 3/4 | 3,959.32 | 3/4 | 3,597.70 | 3/4 | 3,236.03 | 3/4 | 2,874.37 | 3/4 | 2,512.66 | 3/4 | 2,150.86 |
| 9 | | 9 | 4,973.74 | 9 | 4,647.27 | 9 | 4,306.15 | 9 | 3,951.80 | 9 | 3,590.17 | 9 | 3,228.50 | 9 | 2,866.83 | 9 | 2,505.12 | 9 | 2,143.32 |
| 1/4 | | 1/4 | 4,967.13 | 1/4 | 4,640.29 | 1/4 | 4,298.90 | 1/4 | 3,944.28 | 1/4 | 3,582.63 | 1/4 | 3,220.96 | 1/4 | 2,859.30 | 1/4 | 2,497.58 | 1/4 | 2,135.79 |
| 1/2 | | 1/2 | 4,960.52 | 1/2 | 4,633.32 | 1/2 | 4,291.65 | 1/2 | 3,936.75 | 1/2 | 3,575.10 | 1/2 | 3,213.43 | 1/2 | 2,851.76 | 1/2 | 2,490.04 | 1/2 | 2,128.25 |
| 3/4 | | 3/4 | 4,953.91 | 3/4 | 4,626.34 | 3/4 | 4,284.40 | 3/4 | 3,929.23 | 3/4 | 3,567.56 | 3/4 | 3,205.90 | 3/4 | 2,844.23 | 3/4 | 2,482.51 | 3/4 | 2,120.71 |
| 10 | | 10 | 4,947.21 | 10 | 4,619.35 | 10 | 4,277.13 | 10 | 3,921.69 | 10 | 3,560.03 | 10 | 3,198.36 | 10 | 2,836.70 | 10 | 2,474.97 | 10 | 2,113.17 |
| 1/4 | | 1/4 | 4,940.52 | 1/4 | 4,612.35 | 1/4 | 4,269.86 | 1/4 | 3,914.16 | 1/4 | 3,552.49 | 1/4 | 3,190.83 | 1/4 | 2,829.16 | 1/4 | 2,467.43 | 1/4 | 2,105.64 |
| 1/2 | | 1/2 | 4,933.82 | 1/2 | 4,605.35 | 1/2 | 4,262.58 | 1/2 | 3,906.62 | 1/2 | 3,544.96 | 1/2 | 3,183.29 | 1/2 | 2,821.63 | 1/2 | 2,459.89 | 1/2 | 2,098.10 |
| 3/4 | | 3/4 | 4,927.13 | 3/4 | 4,598.35 | 3/4 | 4,255.31 | 3/4 | 3,899.09 | 3/4 | 3,537.42 | 3/4 | 3,175.76 | 3/4 | 2,814.09 | 3/4 | 2,452.36 | 3/4 | 2,090.56 |
| 11 | | 11 | 4,920.41 | 11 | 4,591.33 | 11 | 4,248.01 | 11 | 3,891.55 | 11 | 3,529.89 | 11 | 3,168.22 | 11 | 2,806.56 | 11 | 2,444.82 | 11 | 2,083.02 |
| 1/4 | | 1/4 | 4,913.69 | 1/4 | 4,584.31 | 1/4 | 4,240.72 | 1/4 | 3,884.02 | 1/4 | 3,522.35 | 1/4 | 3,160.69 | 1/4 | 2,799.02 | 1/4 | 2,437.28 | 1/4 | 2,075.49 |
| 1/2 | | 1/2 | 4,906.98 | 1/2 | 4,577.29 | 1/2 | 4,233.42 | 1/2 | 3,876.48 | 1/2 | 3,514.82 | 1/2 | 3,153.15 | 1/2 | 2,791.49 | 1/2 | 2,429.75 | 1/2 | 2,067.95 |
| 3/4 | | 3/4 | 4,900.26 | 3/4 | 4,570.27 | 3/4 | 4,226.12 | 3/4 | 3,868.95 | 3/4 | 3,507.28 | 3/4 | 3,145.62 | 3/4 | 2,783.95 | 3/4 | 2,422.21 | 3/4 | 2,060.41 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT 8" DIAMETER HATCH OR TOP LIP OF 2" HERMETIC VALVE.
GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 10'-06" OFF CENTERLINE AND 41'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "MM 128"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 2,052.88 | 0 | 1,691.08 | 0 | 1,329.28 | 0 | 980.33 | 0 | 622.10 | 0 | 260.32 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 2,045.34 | 1/4 | 1,683.54 | 1/4 | 1,321.75 | 1/4 | 973.13 | 1/4 | 614.57 | 1/4 | 252.78 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,037.80 | 1/2 | 1,676.01 | 1/2 | 1,314.21 | 1/2 | 965.94 | 1/2 | 607.03 | 1/2 | 245.24 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,030.26 | 3/4 | 1,668.47 | 3/4 | 1,306.67 | 3/4 | 958.75 | 3/4 | 599.49 | 3/4 | 237.71 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 2,022.73 | 1 | 1,660.93 | 1 | 1,299.14 | 1 | 951.55 | 1 | 591.96 | 1 | 230.17 | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 2,015.19 | 1/4 | 1,653.39 | 1/4 | 1,291.60 | 1/4 | 944.36 | 1/4 | 584.42 | 1/4 | 222.63 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,007.65 | 1/2 | 1,645.86 | 1/2 | 1,284.06 | 1/2 | 937.16 | 1/2 | 576.88 | 1/2 | 215.10 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,000.11 | 3/4 | 1,638.32 | 3/4 | 1,276.52 | 3/4 | 929.97 | 3/4 | 569.34 | 3/4 | 207.56 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 1,992.58 | 2 | 1,630.78 | 2 | 1,269.03 | 2 | 922.72 | 2 | 561.81 | 2 | 200.02 | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 1,985.04 | 1/4 | 1,623.24 | 1/4 | 1,261.53 | 1/4 | 915.47 | 1/4 | 554.27 | 1/4 | 192.48 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,977.50 | 1/2 | 1,615.71 | 1/2 | 1,254.03 | 1/2 | 908.23 | 1/2 | 546.73 | 1/2 | 184.95 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,969.96 | 3/4 | 1,608.17 | 3/4 | 1,246.54 | 3/4 | 900.98 | 3/4 | 539.20 | 3/4 | 177.41 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 1,962.43 | 3 | 1,600.63 | 3 | 1,239.33 | 3 | 893.44 | 3 | 531.66 | 3 | 169.87 | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 1,954.89 | 1/4 | 1,593.09 | 1/4 | 1,232.13 | 1/4 | 885.91 | 1/4 | 524.12 | 1/4 | 162.34 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,947.35 | 1/2 | 1,585.56 | 1/2 | 1,224.93 | 1/2 | 878.37 | 1/2 | 516.58 | 1/2 | 154.80 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,939.81 | 3/4 | 1,578.02 | 3/4 | 1,217.72 | 3/4 | 870.83 | 3/4 | 509.05 | 3/4 | 147.26 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 1,932.28 | 4 | 1,570.48 | 4 | 1,210.53 | 4 | 863.30 | 4 | 501.51 | 4 | 139.72 | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 1,924.74 | 1/4 | 1,562.94 | 1/4 | 1,203.33 | 1/4 | 855.76 | 1/4 | 493.97 | 1/4 | 132.19 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,917.20 | 1/2 | 1,555.41 | 1/2 | 1,196.14 | 1/2 | 848.22 | 1/2 | 486.44 | 1/2 | 124.65 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,909.66 | 3/4 | 1,547.87 | 3/4 | 1,188.95 | 3/4 | 840.68 | 3/4 | 478.90 | 3/4 | 117.11 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 1,902.13 | 5 | 1,540.33 | 5 | 1,181.75 | 5 | 833.15 | 5 | 471.36 | 5 | 109.65 | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 1,894.59 | 1/4 | 1,532.79 | 1/4 | 1,174.56 | 1/4 | 825.61 | 1/4 | 463.82 | 1/4 | 102.19 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,887.05 | 1/2 | 1,525.26 | 1/2 | 1,167.36 | 1/2 | 818.07 | 1/2 | 456.29 | 1/2 | 94.74 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,879.52 | 3/4 | 1,517.72 | 3/4 | 1,160.17 | 3/4 | 810.53 | 3/4 | 448.75 | 3/4 | 87.28 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 1,871.98 | 6 | 1,510.18 | 6 | 1,152.98 | 6 | 803.00 | 6 | 441.21 | 6 | 80.53 | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 1,864.44 | 1/4 | 1,502.65 | 1/4 | 1,145.78 | 1/4 | 795.46 | 1/4 | 433.67 | 1/4 | 73.77 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,856.90 | 1/2 | 1,495.11 | 1/2 | 1,138.59 | 1/2 | 787.92 | 1/2 | 426.14 | 1/2 | 67.02 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,849.37 | 3/4 | 1,487.57 | 3/4 | 1,131.40 | 3/4 | 780.39 | 3/4 | 418.60 | 3/4 | 60.27 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 1,841.83 | 7 | 1,480.03 | 7 | 1,124.20 | 7 | 772.85 | 7 | 411.06 | 7 | 54.78 | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 1,834.29 | 1/4 | 1,472.50 | 1/4 | 1,117.01 | 1/4 | 765.31 | 1/4 | 403.53 | 1/4 | 49.28 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,826.75 | 1/2 | 1,464.96 | 1/2 | 1,109.82 | 1/2 | 757.77 | 1/2 | 395.99 | 1/2 | 43.79 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,819.22 | 3/4 | 1,457.42 | 3/4 | 1,102.62 | 3/4 | 750.24 | 3/4 | 388.45 | 3/4 | 38.29 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 1,811.68 | 8 | 1,449.88 | 8 | 1,095.43 | 8 | 742.70 | 8 | 380.91 | 8 | 34.05 | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 1,804.14 | 1/4 | 1,442.35 | 1/4 | 1,088.23 | 1/4 | 735.16 | 1/4 | 373.38 | 1/4 | 29.81 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,796.60 | 1/2 | 1,434.81 | 1/2 | 1,081.04 | 1/2 | 727.63 | 1/2 | 365.84 | 1/2 | 25.57 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,789.07 | 3/4 | 1,427.27 | 3/4 | 1,073.85 | 3/4 | 720.09 | 3/4 | 358.30 | 3/4 | 21.34 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 1,781.53 | 9 | 1,419.73 | 9 | 1,066.65 | 9 | 712.55 | 9 | 350.77 | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 1,773.99 | 1/4 | 1,412.20 | 1/4 | 1,059.46 | 1/4 | 705.01 | 1/4 | 343.23 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,766.45 | 1/2 | 1,404.66 | 1/2 | 1,052.27 | 1/2 | 697.48 | 1/2 | 335.69 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,758.92 | 3/4 | 1,397.12 | 3/4 | 1,045.07 | 3/4 | 689.94 | 3/4 | 328.15 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 1,751.38 | 10 | 1,389.58 | 10 | 1,037.88 | 10 | 682.40 | 10 | 320.62 | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 1,743.84 | 1/4 | 1,382.05 | 1/4 | 1,030.68 | 1/4 | 674.87 | 1/4 | 313.08 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,736.30 | 1/2 | 1,374.51 | 1/2 | 1,023.49 | 1/2 | 667.33 | 1/2 | 305.54 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,728.77 | 3/4 | 1,366.97 | 3/4 | 1,016.30 | 3/4 | 659.79 | 3/4 | 298.01 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 1,721.23 | 11 | 1,359.43 | 11 | 1,009.10 | 11 | 652.25 | 11 | 290.47 | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 1,713.69 | 1/4 | 1,351.90 | 1/4 | 1,001.91 | 1/4 | 644.72 | 1/4 | 282.93 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,706.15 | 1/2 | 1,344.36 | 1/2 | 994.72 | 1/2 | 637.18 | 1/2 | 275.39 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,698.62 | 3/4 | 1,336.82 | 3/4 | 987.52 | 3/4 | 629.64 | 3/4 | 267.86 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/16/2019 CL
CALCULATED: 09/17/2019 CL
PRINTED: 09/17/2019 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2019



BARGE "MM 128"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

| 0 FT. | | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | | 7 FT. | | 8 FT. | | 9 FT. | |
|-------|-----|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | |
| 0 | | 0 | | 0 | 4,250.40 | 0 | 4,073.32 | 0 | 3,888.70 | 0 | 3,697.14 | 0 | 3,498.15 | 0 | 3,139.90 | 0 | 2,780.39 | 0 | 2,420.25 |
| 1/4 | 1/4 | 1/4 | | 1/4 | 4,246.78 | 1/4 | 4,069.54 | 1/4 | 3,884.78 | 1/4 | 3,693.11 | 1/4 | 3,490.68 | 1/4 | 3,132.41 | 1/4 | 2,772.89 | 1/4 | 2,412.75 |
| 1/2 | 1/2 | 1/2 | | 1/2 | 4,243.17 | 1/2 | 4,065.77 | 1/2 | 3,880.86 | 1/2 | 3,689.07 | 1/2 | 3,483.21 | 1/2 | 3,124.92 | 1/2 | 2,765.38 | 1/2 | 2,405.24 |
| 3/4 | 3/4 | 3/4 | 4,400.20 | 3/4 | 4,239.56 | 3/4 | 4,061.99 | 3/4 | 3,876.93 | 3/4 | 3,685.03 | 3/4 | 3,475.73 | 3/4 | 3,117.43 | 3/4 | 2,757.88 | 3/4 | 2,397.74 |
| 1 | 1 | 1 | 4,398.55 | 1 | 4,235.93 | 1 | 4,058.20 | 1 | 3,873.00 | 1 | 3,680.99 | 1 | 3,468.26 | 1 | 3,109.94 | 1 | 2,750.38 | 1 | 2,390.24 |
| 1/4 | 1/4 | 1/4 | 4,396.89 | 1/4 | 4,232.31 | 1/4 | 4,054.42 | 1/4 | 3,869.06 | 1/4 | 3,676.95 | 1/4 | 3,460.79 | 1/4 | 3,102.45 | 1/4 | 2,742.87 | 1/4 | 2,382.73 |
| 1/2 | 1/2 | 1/2 | 4,395.24 | 1/2 | 4,228.68 | 1/2 | 4,050.63 | 1/2 | 3,865.13 | 1/2 | 3,672.91 | 1/2 | 3,453.32 | 1/2 | 3,094.96 | 1/2 | 2,735.37 | 1/2 | 2,375.23 |
| 3/4 | 3/4 | 3/4 | 4,393.59 | 3/4 | 4,225.06 | 3/4 | 4,046.84 | 3/4 | 3,861.19 | 3/4 | 3,668.87 | 3/4 | 3,445.85 | 3/4 | 3,087.47 | 3/4 | 2,727.87 | 3/4 | 2,367.73 |
| 2 | 2 | 2 | 4,390.71 | 2 | 4,221.42 | 2 | 4,043.04 | 2 | 3,857.24 | 2 | 3,664.84 | 2 | 3,438.38 | 2 | 3,079.99 | 2 | 2,720.37 | 2 | 2,360.22 |
| 1/4 | 1/4 | 1/4 | 4,387.84 | 1/4 | 4,217.78 | 1/4 | 4,039.24 | 1/4 | 3,853.30 | 1/4 | 3,660.80 | 1/4 | 3,430.91 | 1/4 | 3,072.50 | 1/4 | 2,712.87 | 1/4 | 2,352.72 |
| 1/2 | 1/2 | 1/2 | 4,384.97 | 1/2 | 4,214.14 | 1/2 | 4,035.44 | 1/2 | 3,849.35 | 1/2 | 3,656.76 | 1/2 | 3,423.44 | 1/2 | 3,065.01 | 1/2 | 2,705.36 | 1/2 | 2,345.22 |
| 3/4 | 3/4 | 3/4 | 4,382.10 | 3/4 | 4,210.51 | 3/4 | 4,031.64 | 3/4 | 3,845.40 | 3/4 | 3,652.72 | 3/4 | 3,415.97 | 3/4 | 3,057.52 | 3/4 | 2,697.86 | 3/4 | 2,337.71 |
| 3 | 3 | 3 | 4,378.31 | 3 | 4,206.86 | 3 | 4,027.83 | 3 | 3,841.44 | 3 | 3,648.68 | 3 | 3,408.50 | 3 | 3,050.03 | 3 | 2,690.36 | 3 | 2,330.21 |
| 1/4 | 1/4 | 1/4 | 4,374.52 | 1/4 | 4,203.21 | 1/4 | 4,024.02 | 1/4 | 3,837.48 | 1/4 | 3,644.64 | 1/4 | 3,401.03 | 1/4 | 3,042.54 | 1/4 | 2,682.86 | 1/4 | 2,322.70 |
| 1/2 | 1/2 | 1/2 | 4,370.74 | 1/2 | 4,199.56 | 1/2 | 4,020.20 | 1/2 | 3,833.52 | 1/2 | 3,640.61 | 1/2 | 3,393.56 | 1/2 | 3,035.05 | 1/2 | 2,675.36 | 1/2 | 2,315.20 |
| 3/4 | 3/4 | 3/4 | 4,366.95 | 3/4 | 4,195.91 | 3/4 | 4,016.39 | 3/4 | 3,829.56 | 3/4 | 3,636.57 | 3/4 | 3,386.09 | 3/4 | 3,027.56 | 3/4 | 2,667.85 | 3/4 | 2,307.70 |
| 4 | 4 | 4 | 4,363.47 | 4 | 4,192.24 | 4 | 4,012.57 | 4 | 3,825.59 | 4 | 3,632.53 | 4 | 3,378.62 | 4 | 3,020.07 | 4 | 2,660.35 | 4 | 2,300.19 |
| 1/4 | 1/4 | 1/4 | 4,360.00 | 1/4 | 4,188.58 | 1/4 | 4,008.74 | 1/4 | 3,821.62 | 1/4 | 3,628.49 | 1/4 | 3,371.15 | 1/4 | 3,012.58 | 1/4 | 2,652.85 | 1/4 | 2,292.69 |
| 1/2 | 1/2 | 1/2 | 4,356.52 | 1/2 | 4,184.92 | 1/2 | 4,004.92 | 1/2 | 3,817.64 | 1/2 | 3,624.45 | 1/2 | 3,363.68 | 1/2 | 3,005.09 | 1/2 | 2,645.35 | 1/2 | 2,285.19 |
| 3/4 | 3/4 | 3/4 | 4,353.05 | 3/4 | 4,181.26 | 3/4 | 4,001.09 | 3/4 | 3,813.67 | 3/4 | 3,620.41 | 3/4 | 3,356.21 | 3/4 | 2,997.60 | 3/4 | 2,637.85 | 3/4 | 2,277.68 |
| 5 | 5 | 5 | 4,349.56 | 5 | 4,177.58 | 5 | 3,997.26 | 5 | 3,809.69 | 5 | 3,616.37 | 5 | 3,348.74 | 5 | 2,990.11 | 5 | 2,630.34 | 5 | 2,270.18 |
| 1/4 | 1/4 | 1/4 | 4,346.07 | 1/4 | 4,173.91 | 1/4 | 3,993.42 | 1/4 | 3,805.70 | 1/4 | 3,612.34 | 1/4 | 3,341.27 | 1/4 | 2,982.62 | 1/4 | 2,622.84 | 1/4 | 2,262.68 |
| 1/2 | 1/2 | 1/2 | 4,342.58 | 1/2 | 4,170.23 | 1/2 | 3,989.58 | 1/2 | 3,801.72 | 1/2 | 3,608.30 | 1/2 | 3,333.80 | 1/2 | 2,975.13 | 1/2 | 2,615.34 | 1/2 | 2,255.17 |
| 3/4 | 3/4 | 3/4 | 4,339.09 | 3/4 | 4,166.56 | 3/4 | 3,985.75 | 3/4 | 3,797.73 | 3/4 | 3,604.26 | 3/4 | 3,326.33 | 3/4 | 2,967.65 | 3/4 | 2,607.84 | 3/4 | 2,247.67 |
| 6 | 6 | 6 | 4,335.59 | 6 | 4,162.87 | 6 | 3,981.90 | 6 | 3,793.74 | 6 | 3,600.22 | 6 | 3,318.87 | 6 | 2,960.16 | 6 | 2,600.33 | 6 | 2,240.17 |
| 1/4 | 1/4 | 1/4 | 4,332.09 | 1/4 | 4,159.18 | 1/4 | 3,978.05 | 1/4 | 3,789.74 | 1/4 | 3,596.18 | 1/4 | 3,311.42 | 1/4 | 2,952.67 | 1/4 | 2,592.83 | 1/4 | 2,232.66 |
| 1/2 | 1/2 | 1/2 | 4,328.59 | 1/2 | 4,155.50 | 1/2 | 3,974.20 | 1/2 | 3,785.74 | 1/2 | 3,592.14 | 1/2 | 3,303.96 | 1/2 | 2,945.18 | 1/2 | 2,585.33 | 1/2 | 2,225.16 |
| 3/4 | 3/4 | 3/4 | 4,325.09 | 3/4 | 4,151.81 | 3/4 | 3,970.35 | 3/4 | 3,781.75 | 3/4 | 3,588.10 | 3/4 | 3,296.51 | 3/4 | 2,937.69 | 3/4 | 2,577.82 | 3/4 | 2,217.66 |
| 7 | 7 | 7 | 4,321.58 | 7 | 4,148.11 | 7 | 3,966.49 | 7 | 3,777.74 | 7 | 3,584.07 | 7 | 3,289.05 | 7 | 2,930.20 | 7 | 2,570.32 | 7 | 2,210.15 |
| 1/4 | 1/4 | 1/4 | 4,318.06 | 1/4 | 4,144.41 | 1/4 | 3,962.63 | 1/4 | 3,773.73 | 1/4 | 3,580.03 | 1/4 | 3,281.60 | 1/4 | 2,922.71 | 1/4 | 2,562.82 | 1/4 | 2,202.65 |
| 1/2 | 1/2 | 1/2 | 4,314.55 | 1/2 | 4,140.71 | 1/2 | 3,958.76 | 1/2 | 3,769.72 | 1/2 | 3,575.99 | 1/2 | 3,274.14 | 1/2 | 2,915.22 | 1/2 | 2,555.31 | 1/2 | 2,195.15 |
| 3/4 | 3/4 | 3/4 | 4,311.04 | 3/4 | 4,137.01 | 3/4 | 3,954.90 | 3/4 | 3,765.71 | 3/4 | 3,571.95 | 3/4 | 3,266.69 | 3/4 | 2,907.73 | 3/4 | 2,547.81 | 3/4 | 2,187.64 |
| 8 | 8 | 8 | 4,307.51 | 8 | 4,133.28 | 8 | 3,951.03 | 8 | 3,761.69 | 8 | 3,567.91 | 8 | 3,259.23 | 8 | 2,900.24 | 8 | 2,540.31 | 8 | 2,180.14 |
| 1/4 | 1/4 | 1/4 | 4,303.99 | 1/4 | 4,129.55 | 1/4 | 3,947.15 | 1/4 | 3,757.67 | 1/4 | 3,563.87 | 1/4 | 3,251.78 | 1/4 | 2,892.75 | 1/4 | 2,532.80 | 1/4 | 2,172.63 |
| 1/2 | 1/2 | 1/2 | 4,300.46 | 1/2 | 4,125.83 | 1/2 | 3,943.28 | 1/2 | 3,753.64 | 1/2 | 3,559.84 | 1/2 | 3,244.32 | 1/2 | 2,885.26 | 1/2 | 2,525.30 | 1/2 | 2,165.13 |
| 3/4 | 3/4 | 3/4 | 4,296.94 | 3/4 | 4,122.10 | 3/4 | 3,939.41 | 3/4 | 3,749.62 | 3/4 | 3,555.80 | 3/4 | 3,236.87 | 3/4 | 2,877.77 | 3/4 | 2,517.80 | 3/4 | 2,157.63 |
| 9 | 9 | 9 | 4,293.39 | 9 | 4,118.36 | 9 | 3,935.52 | 9 | 3,745.59 | 9 | 3,551.76 | 9 | 3,229.41 | 9 | 2,870.28 | 9 | 2,510.29 | 9 | 2,150.12 |
| 1/4 | 1/4 | 1/4 | 4,289.85 | 1/4 | 4,114.62 | 1/4 | 3,931.63 | 1/4 | 3,741.56 | 1/4 | 3,547.72 | 1/4 | 3,221.96 | 1/4 | 2,862.80 | 1/4 | 2,502.79 | 1/4 | 2,142.62 |
| 1/2 | 1/2 | 1/2 | 4,286.31 | 1/2 | 4,110.89 | 1/2 | 3,927.75 | 1/2 | 3,737.52 | 1/2 | 3,543.68 | 1/2 | 3,214.50 | 1/2 | 2,855.31 | 1/2 | 2,495.29 | 1/2 | 2,135.12 |
| 3/4 | 3/4 | 3/4 | 4,282.77 | 3/4 | 4,107.15 | 3/4 | 3,923.86 | 3/4 | 3,733.49 | 3/4 | 3,539.64 | 3/4 | 3,207.05 | 3/4 | 2,847.82 | 3/4 | 2,487.78 | 3/4 | 2,127.61 |
| 10 | 10 | 10 | 4,279.18 | 10 | 4,103.40 | 10 | 3,919.96 | 10 | 3,729.45 | 10 | 3,535.60 | 10 | 3,199.59 | 10 | 2,840.33 | 10 | 2,480.28 | 10 | 2,120.11 |
| 1/4 | 1/4 | 1/4 | 4,275.59 | 1/4 | 4,099.65 | 1/4 | 3,916.07 | 1/4 | 3,725.41 | 1/4 | 3,531.57 | 1/4 | 3,192.14 | 1/4 | 2,832.84 | 1/4 | 2,472.77 | 1/4 | 2,112.61 |
| 1/2 | 1/2 | 1/2 | 4,272.00 | 1/2 | 4,095.90 | 1/2 | 3,912.17 | 1/2 | 3,721.38 | 1/2 | 3,527.53 | 1/2 | 3,184.68 | 1/2 | 2,825.35 | 1/2 | 2,465.27 | 1/2 | 2,105.10 |
| 3/4 | 3/4 | 3/4 | 4,268.41 | 3/4 | 4,092.14 | 3/4 | 3,908.27 | 3/4 | 3,717.34 | 3/4 | 3,523.49 | 3/4 | 3,177.23 | 3/4 | 2,817.86 | 3/4 | 2,457.77 | 3/4 | 2,097.60 |
| 11 | 11 | 11 | 4,264.81 | 11 | 4,088.38 | 11 | 3,904.36 | 11 | 3,713.30 | 11 | 3,519.02 | 11 | 3,169.77 | 11 | 2,810.37 | 11 | 2,450.26 | 11 | 2,090.10 |
| 1/4 | 1/4 | 1/4 | 4,261.21 | 1/4 | 4,084.62 | 1/4 | 3,900.45 | 1/4 | 3,709.26 | 1/4 | 3,514.55 | 1/4 | 3,162.31 | 1/4 | 2,802.88 | 1/4 | 2,442.76 | 1/4 | 2,082.59 |
| 1/2 | 1/2 | 1/2 | 4,257.61 | 1/2 | 4,080.86 | 1/2 | 3,896.54 | 1/2 | 3,705.22 | 1/2 | 3,510.09 | 1/2 | 3,154.85 | 1/2 | 2,795.39 | 1/2 | 2,435.26 | 1/2 | 2,075.09 |
| 3/4 | 3/4 | 3/4 | 4,254.01 | 3/4 | 4,077.09 | 3/4 | 3,892.63 | 3/4 | 3,701.18 | 3/4 | 3,505.62 | 3/4 | 3,147.39 | 3/4 | 2,787.89 | 3/4 | 2,427.75 | 3/4 | 2,067.59 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

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

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT 8" DIAMETER HATCH OR TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8" HATCH) LOCATED 10'-06" OFF CENTERLINE AND 54'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "MM 128"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 2,060.08 | 0 | 1,699.83 | 0 | 1,339.58 | 0 | 979.61 | 0 | 619.45 | 0 | 259.22 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 2,052.57 | 1/4 | 1,692.32 | 1/4 | 1,332.07 | 1/4 | 972.12 | 1/4 | 611.95 | 1/4 | 251.71 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,045.07 | 1/2 | 1,684.82 | 1/2 | 1,324.57 | 1/2 | 964.62 | 1/2 | 604.44 | 1/2 | 244.21 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,037.56 | 3/4 | 1,677.31 | 3/4 | 1,317.06 | 3/4 | 957.13 | 3/4 | 596.94 | 3/4 | 236.70 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 2,030.06 | 1 | 1,669.81 | 1 | 1,309.56 | 1 | 949.63 | 1 | 589.43 | 1 | 229.20 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 2,022.55 | 1/4 | 1,662.30 | 1/4 | 1,302.05 | 1/4 | 942.13 | 1/4 | 581.93 | 1/4 | 221.69 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,015.05 | 1/2 | 1,654.80 | 1/2 | 1,294.55 | 1/2 | 934.64 | 1/2 | 574.42 | 1/2 | 214.19 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,007.54 | 3/4 | 1,647.29 | 3/4 | 1,287.04 | 3/4 | 927.14 | 3/4 | 566.92 | 3/4 | 206.68 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 2,000.03 | 2 | 1,639.79 | 2 | 1,279.54 | 2 | 919.64 | 2 | 559.41 | 2 | 199.18 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/4 | 1,992.53 | 1/4 | 1,632.28 | 1/4 | 1,272.03 | 1/4 | 912.14 | 1/4 | 551.91 | 1/4 | 191.67 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,985.02 | 1/2 | 1,624.77 | 1/2 | 1,264.53 | 1/2 | 904.64 | 1/2 | 544.40 | 1/2 | 184.17 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,977.52 | 3/4 | 1,617.27 | 3/4 | 1,257.02 | 3/4 | 897.13 | 3/4 | 536.90 | 3/4 | 176.66 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 1,970.01 | 3 | 1,609.76 | 3 | 1,249.51 | 3 | 889.63 | 3 | 529.39 | 3 | 169.16 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1/4 | 1,962.51 | 1/4 | 1,602.26 | 1/4 | 1,242.01 | 1/4 | 882.12 | 1/4 | 521.89 | 1/4 | 161.65 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,955.00 | 1/2 | 1,594.75 | 1/2 | 1,234.50 | 1/2 | 874.62 | 1/2 | 514.38 | 1/2 | 154.15 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,947.50 | 3/4 | 1,587.25 | 3/4 | 1,227.00 | 3/4 | 867.12 | 3/4 | 506.88 | 3/4 | 146.64 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 1,939.99 | 4 | 1,579.74 | 4 | 1,219.50 | 4 | 859.61 | 4 | 499.38 | 4 | 139.14 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1/4 | 1,932.49 | 1/4 | 1,572.24 | 1/4 | 1,212.00 | 1/4 | 852.11 | 1/4 | 491.87 | 1/4 | 131.63 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,924.98 | 1/2 | 1,564.73 | 1/2 | 1,204.49 | 1/2 | 844.60 | 1/2 | 484.37 | 1/2 | 124.13 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,917.48 | 3/4 | 1,557.23 | 3/4 | 1,196.99 | 3/4 | 837.10 | 3/4 | 476.86 | 3/4 | 116.63 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 1,909.97 | 5 | 1,549.72 | 5 | 1,189.50 | 5 | 829.59 | 5 | 469.36 | 5 | 109.20 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1/4 | 1,902.47 | 1/4 | 1,542.22 | 1/4 | 1,182.00 | 1/4 | 822.09 | 1/4 | 461.85 | 1/4 | 101.77 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,894.96 | 1/2 | 1,534.71 | 1/2 | 1,174.51 | 1/2 | 814.58 | 1/2 | 454.35 | 1/2 | 94.34 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,887.46 | 3/4 | 1,527.21 | 3/4 | 1,167.01 | 3/4 | 807.08 | 3/4 | 446.84 | 3/4 | 86.92 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 1,879.95 | 6 | 1,519.70 | 6 | 1,159.51 | 6 | 799.57 | 6 | 439.34 | 6 | 80.19 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1/4 | 1,872.45 | 1/4 | 1,512.20 | 1/4 | 1,152.02 | 1/4 | 792.07 | 1/4 | 431.83 | 1/4 | 73.47 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,864.94 | 1/2 | 1,504.69 | 1/2 | 1,144.52 | 1/2 | 784.56 | 1/2 | 424.33 | 1/2 | 66.75 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,857.44 | 3/4 | 1,497.19 | 3/4 | 1,137.03 | 3/4 | 777.06 | 3/4 | 416.82 | 3/4 | 60.03 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 1,849.93 | 7 | 1,489.68 | 7 | 1,129.53 | 7 | 769.55 | 7 | 409.32 | 7 | 54.55 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1/4 | 1,842.43 | 1/4 | 1,482.18 | 1/4 | 1,122.04 | 1/4 | 762.05 | 1/4 | 401.81 | 1/4 | 49.08 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,834.92 | 1/2 | 1,474.67 | 1/2 | 1,114.54 | 1/2 | 754.54 | 1/2 | 394.31 | 1/2 | 43.61 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,827.42 | 3/4 | 1,467.17 | 3/4 | 1,107.04 | 3/4 | 747.04 | 3/4 | 386.80 | 3/4 | 38.14 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 1,819.91 | 8 | 1,459.66 | 8 | 1,099.55 | 8 | 739.53 | 8 | 379.30 | 8 | 33.92 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1/4 | 1,812.40 | 1/4 | 1,452.16 | 1/4 | 1,092.05 | 1/4 | 732.03 | 1/4 | 371.79 | 1/4 | 29.70 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,804.90 | 1/2 | 1,444.65 | 1/2 | 1,084.56 | 1/2 | 724.52 | 1/2 | 364.29 | 1/2 | 25.48 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,797.39 | 3/4 | 1,437.14 | 3/4 | 1,077.06 | 3/4 | 717.02 | 3/4 | 356.78 | 3/4 | 21.25 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 1,789.89 | 9 | 1,429.64 | 9 | 1,069.56 | 9 | 709.51 | 9 | 349.28 | 9 | 17.03 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1/4 | 1,782.38 | 1/4 | 1,422.13 | 1/4 | 1,062.07 | 1/4 | 702.01 | 1/4 | 341.77 | 1/4 | 12.81 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,774.88 | 1/2 | 1,414.63 | 1/2 | 1,054.57 | 1/2 | 694.50 | 1/2 | 334.27 | 1/2 | 8.59 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,767.37 | 3/4 | 1,407.12 | 3/4 | 1,047.08 | 3/4 | 687.00 | 3/4 | 326.76 | 3/4 | 4.37 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 1,759.87 | 10 | 1,399.62 | 10 | 1,039.58 | 10 | 679.49 | 10 | 319.26 | 10 | 0.15 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1/4 | 1,752.36 | 1/4 | 1,392.11 | 1/4 | 1,032.09 | 1/4 | 671.99 | 1/4 | 311.75 | 1/4 | 0.00 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,744.86 | 1/2 | 1,384.61 | 1/2 | 1,024.59 | 1/2 | 664.48 | 1/2 | 304.25 | 1/2 | 0.00 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,737.35 | 3/4 | 1,377.10 | 3/4 | 1,017.09 | 3/4 | 656.98 | 3/4 | 296.74 | 3/4 | 0.00 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 1,729.85 | 11 | 1,369.60 | 11 | 1,009.60 | 11 | 649.47 | 11 | 289.24 | 11 | 0.00 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1/4 | 1,722.34 | 1/4 | 1,362.09 | 1/4 | 1,002.10 | 1/4 | 641.97 | 1/4 | 281.73 | 1/4 | 0.00 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,714.84 | 1/2 | 1,354.59 | 1/2 | 994.61 | 1/2 | 634.46 | 1/2 | 274.23 | 1/2 | 0.00 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,707.33 | 3/4 | 1,347.08 | 3/4 | 987.11 | 3/4 | 626.96 | 3/4 | 266.72 | 3/4 | 0.00 | 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: 09/16/2019 CL
CALCULATED: 09/17/2019 CL
PRINTED: 09/17/2019 SW

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



CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2019



BARGE "MM 128"

3 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

| 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 | 4,226.41 | 0 | 4,050.25 | 0 | 3,866.54 | 0 | 3,675.85 | 0 | 3,481.04 | 0 | 3,123.49 | 0 | 2,764.85 | 0 | 2,405.38 |
| 1/4 | 1/4 | | 1/4 | 4,222.81 | 1/4 | 4,046.49 | 1/4 | 3,862.64 | 1/4 | 3,671.83 | 1/4 | 3,473.58 | 1/4 | 3,116.01 | 1/4 | 2,757.36 | 1/4 | 2,397.89 | |
| 1/2 | 1/2 | | 1/2 | 4,219.21 | 1/2 | 4,042.73 | 1/2 | 3,858.73 | 1/2 | 3,667.80 | 1/2 | 3,466.13 | 1/2 | 3,108.54 | 1/2 | 2,749.87 | 1/2 | 2,390.40 | |
| 3/4 | 3/4 | | 3/4 | 4,215.62 | 3/4 | 4,038.97 | 3/4 | 3,854.82 | 3/4 | 3,663.78 | 3/4 | 3,458.67 | 3/4 | 3,101.06 | 3/4 | 2,742.38 | 3/4 | 2,382.91 | |
| 1 | | 1 | 4,371.90 | 1 | 4,212.02 | 1 | 4,035.21 | 1 | 3,850.91 | 1 | 3,659.76 | 1 | 3,451.21 | 1 | 3,093.59 | 1 | 2,734.89 | 1 | 2,375.42 |
| 1/4 | 1/4 | | 4,370.26 | 1/4 | 4,208.41 | 1/4 | 4,031.44 | 1/4 | 3,846.99 | 1/4 | 3,655.74 | 1/4 | 3,443.76 | 1/4 | 3,086.11 | 1/4 | 2,727.40 | 1/4 | 2,367.93 |
| 1/2 | 1/2 | | 4,368.63 | 1/2 | 4,204.80 | 1/2 | 4,027.67 | 1/2 | 3,843.07 | 1/2 | 3,651.71 | 1/2 | 3,436.30 | 1/2 | 3,078.64 | 1/2 | 2,719.91 | 1/2 | 2,360.44 |
| 3/4 | 3/4 | | 4,366.99 | 3/4 | 4,201.19 | 3/4 | 4,023.90 | 3/4 | 3,839.15 | 3/4 | 3,647.69 | 3/4 | 3,428.85 | 3/4 | 3,071.16 | 3/4 | 2,712.42 | 3/4 | 2,352.95 |
| 2 | | 2 | 4,365.35 | 2 | 4,197.58 | 2 | 4,020.13 | 2 | 3,835.23 | 2 | 3,643.67 | 2 | 3,421.39 | 2 | 3,063.69 | 2 | 2,704.94 | 2 | 2,345.46 |
| 1/4 | 1/4 | | 4,362.49 | 1/4 | 4,193.96 | 1/4 | 4,016.34 | 1/4 | 3,831.30 | 1/4 | 3,639.64 | 1/4 | 3,413.93 | 1/4 | 3,056.22 | 1/4 | 2,697.45 | 1/4 | 2,337.97 |
| 1/2 | 1/2 | | 4,359.64 | 1/2 | 4,190.34 | 1/2 | 4,012.56 | 1/2 | 3,827.37 | 1/2 | 3,635.62 | 1/2 | 3,406.48 | 1/2 | 3,048.75 | 1/2 | 2,689.96 | 1/2 | 2,330.48 |
| 3/4 | 3/4 | | 4,356.78 | 3/4 | 4,186.72 | 3/4 | 4,008.77 | 3/4 | 3,823.44 | 3/4 | 3,631.60 | 3/4 | 3,399.02 | 3/4 | 3,041.28 | 3/4 | 2,682.47 | 3/4 | 2,322.99 |
| 3 | | 3 | 4,353.92 | 3 | 4,183.09 | 3 | 4,004.99 | 3 | 3,819.51 | 3 | 3,627.58 | 3 | 3,391.56 | 3 | 3,033.82 | 3 | 2,674.98 | 3 | 2,315.50 |
| 1/4 | 1/4 | | 4,350.15 | 1/4 | 4,179.46 | 1/4 | 4,001.19 | 1/4 | 3,815.56 | 1/4 | 3,623.55 | 1/4 | 3,384.11 | 1/4 | 3,026.35 | 1/4 | 2,667.50 | 1/4 | 2,308.02 |
| 1/2 | 1/2 | | 4,346.38 | 1/2 | 4,175.83 | 1/2 | 3,997.40 | 1/2 | 3,811.62 | 1/2 | 3,619.53 | 1/2 | 3,376.65 | 1/2 | 3,018.88 | 1/2 | 2,660.01 | 1/2 | 2,300.53 |
| 3/4 | 3/4 | | 4,342.61 | 3/4 | 4,172.19 | 3/4 | 3,993.60 | 3/4 | 3,807.67 | 3/4 | 3,615.51 | 3/4 | 3,369.19 | 3/4 | 3,011.41 | 3/4 | 2,652.52 | 3/4 | 2,293.04 |
| 4 | | 4 | 4,338.84 | 4 | 4,168.56 | 4 | 3,989.80 | 4 | 3,803.73 | 4 | 3,611.49 | 4 | 3,361.74 | 4 | 3,003.95 | 4 | 2,645.03 | 4 | 2,285.55 |
| 1/4 | 1/4 | | 4,335.38 | 1/4 | 4,164.91 | 1/4 | 3,985.99 | 1/4 | 3,799.77 | 1/4 | 3,607.46 | 1/4 | 3,354.28 | 1/4 | 2,996.48 | 1/4 | 2,637.54 | 1/4 | 2,278.06 |
| 1/2 | 1/2 | | 4,331.92 | 1/2 | 4,161.26 | 1/2 | 3,982.19 | 1/2 | 3,795.82 | 1/2 | 3,603.44 | 1/2 | 3,346.82 | 1/2 | 2,989.01 | 1/2 | 2,630.05 | 1/2 | 2,270.57 |
| 3/4 | 3/4 | | 4,328.46 | 3/4 | 4,157.62 | 3/4 | 3,978.38 | 3/4 | 3,791.86 | 3/4 | 3,599.42 | 3/4 | 3,339.37 | 3/4 | 2,981.54 | 3/4 | 2,622.57 | 3/4 | 2,263.08 |
| 5 | | 5 | 4,325.00 | 5 | 4,153.97 | 5 | 3,974.57 | 5 | 3,787.90 | 5 | 3,595.40 | 5 | 3,331.91 | 5 | 2,974.08 | 5 | 2,615.08 | 5 | 2,255.59 |
| 1/4 | 1/4 | | 4,321.53 | 1/4 | 4,150.31 | 1/4 | 3,970.75 | 1/4 | 3,783.93 | 1/4 | 3,591.37 | 1/4 | 3,324.45 | 1/4 | 2,966.61 | 1/4 | 2,607.59 | 1/4 | 2,248.10 |
| 1/2 | 1/2 | | 4,318.05 | 1/2 | 4,146.65 | 1/2 | 3,966.93 | 1/2 | 3,779.97 | 1/2 | 3,587.35 | 1/2 | 3,317.00 | 1/2 | 2,959.14 | 1/2 | 2,600.10 | 1/2 | 2,240.61 |
| 3/4 | 3/4 | | 4,314.58 | 3/4 | 4,143.00 | 3/4 | 3,963.11 | 3/4 | 3,776.00 | 3/4 | 3,583.33 | 3/4 | 3,309.55 | 3/4 | 2,951.67 | 3/4 | 2,592.61 | 3/4 | 2,233.12 |
| 6 | | 6 | 4,311.11 | 6 | 4,139.34 | 6 | 3,959.28 | 6 | 3,772.03 | 6 | 3,579.30 | 6 | 3,302.09 | 6 | 2,944.20 | 6 | 2,585.13 | 6 | 2,225.63 |
| 1/4 | 1/4 | | 4,307.62 | 1/4 | 4,135.67 | 1/4 | 3,955.45 | 1/4 | 3,768.05 | 1/4 | 3,575.28 | 1/4 | 3,294.65 | 1/4 | 2,936.74 | 1/4 | 2,577.64 | 1/4 | 2,218.14 |
| 1/2 | 1/2 | | 4,304.14 | 1/2 | 4,131.99 | 1/2 | 3,951.62 | 1/2 | 3,764.07 | 1/2 | 3,571.26 | 1/2 | 3,287.21 | 1/2 | 2,929.27 | 1/2 | 2,570.15 | 1/2 | 2,210.65 |
| 3/4 | 3/4 | | 4,300.65 | 3/4 | 4,128.32 | 3/4 | 3,947.78 | 3/4 | 3,760.08 | 3/4 | 3,567.24 | 3/4 | 3,279.77 | 3/4 | 2,921.80 | 3/4 | 2,562.66 | 3/4 | 2,203.16 |
| 7 | | 7 | 4,297.17 | 7 | 4,124.65 | 7 | 3,943.95 | 7 | 3,756.10 | 7 | 3,563.21 | 7 | 3,272.33 | 7 | 2,914.33 | 7 | 2,555.17 | 7 | 2,195.67 |
| 1/4 | 1/4 | | 4,293.67 | 1/4 | 4,120.97 | 1/4 | 3,940.10 | 1/4 | 3,752.11 | 1/4 | 3,559.19 | 1/4 | 3,264.89 | 1/4 | 2,906.86 | 1/4 | 2,547.68 | 1/4 | 2,188.18 |
| 1/2 | 1/2 | | 4,290.17 | 1/2 | 4,117.28 | 1/2 | 3,936.26 | 1/2 | 3,748.12 | 1/2 | 3,555.17 | 1/2 | 3,257.44 | 1/2 | 2,899.40 | 1/2 | 2,540.19 | 1/2 | 2,180.69 |
| 3/4 | 3/4 | | 4,286.68 | 3/4 | 4,113.60 | 3/4 | 3,932.41 | 3/4 | 3,744.12 | 3/4 | 3,551.15 | 3/4 | 3,250.00 | 3/4 | 2,891.93 | 3/4 | 2,532.70 | 3/4 | 2,173.20 |
| 8 | | 8 | 4,283.18 | 8 | 4,109.91 | 8 | 3,928.57 | 8 | 3,740.13 | 8 | 3,547.12 | 8 | 3,242.56 | 8 | 2,884.46 | 8 | 2,525.21 | 8 | 2,165.71 |
| 1/4 | 1/4 | | 4,279.67 | 1/4 | 4,106.20 | 1/4 | 3,924.71 | 1/4 | 3,736.12 | 1/4 | 3,543.10 | 1/4 | 3,235.12 | 1/4 | 2,876.98 | 1/4 | 2,517.72 | 1/4 | 2,158.23 |
| 1/2 | 1/2 | | 4,276.16 | 1/2 | 4,102.49 | 1/2 | 3,920.85 | 1/2 | 3,732.12 | 1/2 | 3,539.08 | 1/2 | 3,227.68 | 1/2 | 2,869.51 | 1/2 | 2,510.23 | 1/2 | 2,150.74 |
| 3/4 | 3/4 | | 4,272.65 | 3/4 | 4,098.78 | 3/4 | 3,916.99 | 3/4 | 3,728.11 | 3/4 | 3,535.05 | 3/4 | 3,220.24 | 3/4 | 2,862.03 | 3/4 | 2,502.74 | 3/4 | 2,143.25 |
| 9 | | 9 | 4,269.14 | 9 | 4,095.07 | 9 | 3,913.13 | 9 | 3,724.11 | 9 | 3,531.03 | 9 | 3,212.80 | 9 | 2,854.56 | 9 | 2,495.25 | 9 | 2,135.76 |
| 1/4 | 1/4 | | 4,265.62 | 1/4 | 4,091.35 | 1/4 | 3,909.26 | 1/4 | 3,720.09 | 1/4 | 3,527.01 | 1/4 | 3,205.36 | 1/4 | 2,847.08 | 1/4 | 2,487.76 | 1/4 | 2,128.27 |
| 1/2 | 1/2 | | 4,262.09 | 1/2 | 4,087.63 | 1/2 | 3,905.39 | 1/2 | 3,716.07 | 1/2 | 3,522.99 | 1/2 | 3,197.92 | 1/2 | 2,839.61 | 1/2 | 2,480.27 | 1/2 | 2,120.78 |
| 3/4 | 3/4 | | 4,258.56 | 3/4 | 4,083.90 | 3/4 | 3,901.52 | 3/4 | 3,712.05 | 3/4 | 3,518.96 | 3/4 | 3,190.47 | 3/4 | 2,832.13 | 3/4 | 2,472.78 | 3/4 | 2,113.29 |
| 10 | | 10 | 4,255.04 | 10 | 4,080.18 | 10 | 3,897.65 | 10 | 3,708.03 | 10 | 3,514.94 | 10 | 3,183.03 | 10 | 2,824.66 | 10 | 2,465.29 | 10 | 2,105.80 |
| 1/4 | 1/4 | | 4,251.46 | 1/4 | 4,076.45 | 1/4 | 3,893.77 | 1/4 | 3,704.01 | 1/4 | 3,510.92 | 1/4 | 3,175.59 | 1/4 | 2,817.18 | 1/4 | 2,457.81 | 1/4 | 2,098.31 |
| 1/2 | 1/2 | | 4,247.89 | 1/2 | 4,072.71 | 1/2 | 3,889.89 | 1/2 | 3,699.99 | 1/2 | 3,506.90 | 1/2 | 3,168.15 | 1/2 | 2,809.71 | 1/2 | 2,450.32 | 1/2 | 2,090.82 |
| 3/4 | 3/4 | | 4,244.32 | 3/4 | 4,068.98 | 3/4 | 3,886.01 | 3/4 | 3,695.96 | 3/4 | 3,502.87 | 3/4 | 3,160.71 | 3/4 | 2,802.23 | 3/4 | 2,442.83 | 3/4 | 2,083.33 |
| 11 | | 11 | 4,240.75 | 11 | 4,065.24 | 11 | 3,882.12 | 11 | 3,691.94 | 11 | 3,498.85 | 11 | 3,153.27 | 11 | 2,794.75 | 11 | 2,435.34 | 11 | 2,075.84 |
| 1/4 | 1/4 | | 4,237.16 | 1/4 | 4,061.49 | 1/4 | 3,878.23 | 1/4 | 3,687.92 | 1/4 | 3,494.40 | 1/4 | 3,145.82 | 1/4 | 2,787.28 | 1/4 | 2,427.85 | 1/4 | 2,068.35 |
| 1/2 | 1/2 | | 4,233.58 | 1/2 | 4,057.75 | 1/2 | 3,874.33 | 1/2 | 3,683.89 | 1/2 | 3,489.95 | 1/2 | 3,138.38 | 1/2 | 2,779.80 | 1/2 | 2,420.36 | 1/2 | 2,060.86 |
| 3/4 | 3/4 | | 4,229.99 | 3/4 | 4,054.00 | 3/4 | 3,870.44 | 3/4 | 3,679.87 | 3/4 | 3,485.49 | 3/4 | 3,130.93 | 3/4 | 2,772.32 | 3/4 | 2,412.87 | 3/4 | 2,053.37 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

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

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT 8" DIAMETER HATCH OR TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8" HATCH) LOCATED 10'-06" OFF CENTERLINE AND 54'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "MM 128"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

| 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 | 2,045.88 | 0 | 1,686.31 | 0 | 1,327.99 | 0 | 978.19 | 0 | 626.03 | 0 | 266.34 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 2,038.39 | 1/4 | 1,678.82 | 1/4 | 1,320.56 | 1/4 | 971.04 | 1/4 | 618.53 | 1/4 | 258.85 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,030.90 | 1/2 | 1,671.33 | 1/2 | 1,313.13 | 1/2 | 963.88 | 1/2 | 611.04 | 1/2 | 251.36 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,023.41 | 3/4 | 1,663.83 | 3/4 | 1,305.71 | 3/4 | 956.73 | 3/4 | 603.55 | 3/4 | 243.86 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 2,015.93 | 1 | 1,656.34 | 1 | 1,298.28 | 1 | 949.57 | 1 | 596.05 | 1 | 236.37 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 2,008.43 | 1/4 | 1,648.85 | 1/4 | 1,290.85 | 1/4 | 942.42 | 1/4 | 588.56 | 1/4 | 228.88 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,000.94 | 1/2 | 1,641.36 | 1/2 | 1,283.42 | 1/2 | 935.26 | 1/2 | 581.06 | 1/2 | 221.38 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,993.45 | 3/4 | 1,633.87 | 3/4 | 1,275.99 | 3/4 | 928.10 | 3/4 | 573.57 | 3/4 | 213.89 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 1,985.96 | 2 | 1,626.38 | 2 | 1,268.56 | 2 | 920.95 | 2 | 566.08 | 2 | 206.39 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/4 | 1,978.47 | 1/4 | 1,618.89 | 1/4 | 1,261.13 | 1/4 | 913.79 | 1/4 | 558.58 | 1/4 | 198.90 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,970.98 | 1/2 | 1,611.40 | 1/2 | 1,253.70 | 1/2 | 906.63 | 1/2 | 551.09 | 1/2 | 191.41 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,963.49 | 3/4 | 1,603.90 | 3/4 | 1,246.28 | 3/4 | 899.46 | 3/4 | 543.60 | 3/4 | 183.91 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 1,955.99 | 3 | 1,596.41 | 3 | 1,238.85 | 3 | 892.30 | 3 | 536.10 | 3 | 176.42 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1/4 | 1,948.50 | 1/4 | 1,588.92 | 1/4 | 1,231.44 | 1/4 | 885.12 | 1/4 | 528.61 | 1/4 | 168.93 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,941.01 | 1/2 | 1,581.43 | 1/2 | 1,224.02 | 1/2 | 877.94 | 1/2 | 521.12 | 1/2 | 161.43 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,933.52 | 3/4 | 1,573.94 | 3/4 | 1,216.61 | 3/4 | 870.76 | 3/4 | 513.62 | 3/4 | 153.94 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 1,926.03 | 4 | 1,566.45 | 4 | 1,209.20 | 4 | 863.58 | 4 | 506.13 | 4 | 146.44 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1/4 | 1,918.54 | 1/4 | 1,558.96 | 1/4 | 1,201.78 | 1/4 | 856.39 | 1/4 | 498.64 | 1/4 | 138.95 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,911.05 | 1/2 | 1,551.46 | 1/2 | 1,194.37 | 1/2 | 849.21 | 1/2 | 491.14 | 1/2 | 131.45 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,903.56 | 3/4 | 1,543.97 | 3/4 | 1,186.96 | 3/4 | 842.02 | 3/4 | 483.65 | 3/4 | 123.95 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 1,896.06 | 5 | 1,536.48 | 5 | 1,179.54 | 5 | 834.84 | 5 | 476.16 | 5 | 116.45 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1/4 | 1,888.57 | 1/4 | 1,528.99 | 1/4 | 1,172.14 | 1/4 | 827.60 | 1/4 | 468.66 | 1/4 | 109.04 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,881.08 | 1/2 | 1,521.50 | 1/2 | 1,164.73 | 1/2 | 820.35 | 1/2 | 461.17 | 1/2 | 101.62 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,873.59 | 3/4 | 1,514.01 | 3/4 | 1,157.33 | 3/4 | 813.11 | 3/4 | 453.68 | 3/4 | 94.21 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 1,866.10 | 6 | 1,506.52 | 6 | 1,149.93 | 6 | 805.87 | 6 | 446.18 | 6 | 86.79 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1/4 | 1,858.61 | 1/4 | 1,499.03 | 1/4 | 1,142.77 | 1/4 | 798.37 | 1/4 | 438.69 | 1/4 | 80.09 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,851.12 | 1/2 | 1,491.55 | 1/2 | 1,135.61 | 1/2 | 790.88 | 1/2 | 431.20 | 1/2 | 73.39 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,843.63 | 3/4 | 1,484.07 | 3/4 | 1,128.46 | 3/4 | 783.39 | 3/4 | 423.70 | 3/4 | 66.69 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 1,836.13 | 7 | 1,476.58 | 7 | 1,121.30 | 7 | 775.89 | 7 | 416.21 | 7 | 59.98 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1/4 | 1,828.64 | 1/4 | 1,469.15 | 1/4 | 1,114.15 | 1/4 | 768.40 | 1/4 | 408.72 | 1/4 | 54.52 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,821.15 | 1/2 | 1,461.72 | 1/2 | 1,106.99 | 1/2 | 760.91 | 1/2 | 401.22 | 1/2 | 49.06 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,813.66 | 3/4 | 1,454.30 | 3/4 | 1,099.84 | 3/4 | 753.41 | 3/4 | 393.73 | 3/4 | 43.60 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 1,806.17 | 8 | 1,446.87 | 8 | 1,092.68 | 8 | 745.92 | 8 | 386.24 | 8 | 38.14 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1/4 | 1,798.68 | 1/4 | 1,439.44 | 1/4 | 1,085.53 | 1/4 | 738.43 | 1/4 | 378.74 | 1/4 | 33.91 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,791.19 | 1/2 | 1,432.01 | 1/2 | 1,078.37 | 1/2 | 730.93 | 1/2 | 371.25 | 1/2 | 29.69 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,783.69 | 3/4 | 1,424.58 | 3/4 | 1,071.22 | 3/4 | 723.44 | 3/4 | 363.76 | 3/4 | 25.47 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 1,776.20 | 9 | 1,417.15 | 9 | 1,064.06 | 9 | 715.95 | 9 | 356.26 | 9 | 21.25 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1/4 | 1,768.71 | 1/4 | 1,409.72 | 1/4 | 1,056.90 | 1/4 | 708.45 | 1/4 | 348.77 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,761.22 | 1/2 | 1,402.29 | 1/2 | 1,049.75 | 1/2 | 700.96 | 1/2 | 341.28 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,753.73 | 3/4 | 1,394.86 | 3/4 | 1,042.59 | 3/4 | 693.47 | 3/4 | 333.78 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 1,746.24 | 10 | 1,387.43 | 10 | 1,035.44 | 10 | 685.97 | 10 | 326.29 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1/4 | 1,738.75 | 1/4 | 1,380.00 | 1/4 | 1,028.28 | 1/4 | 678.48 | 1/4 | 318.80 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,731.26 | 1/2 | 1,372.57 | 1/2 | 1,021.13 | 1/2 | 670.99 | 1/2 | 311.30 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,723.76 | 3/4 | 1,365.14 | 3/4 | 1,013.97 | 3/4 | 663.49 | 3/4 | 303.81 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 1,716.27 | 11 | 1,357.71 | 11 | 1,006.82 | 11 | 656.00 | 11 | 296.32 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1/4 | 1,708.78 | 1/4 | 1,350.28 | 1/4 | 999.66 | 1/4 | 648.51 | 1/4 | 288.82 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,701.29 | 1/2 | 1,342.85 | 1/2 | 992.50 | 1/2 | 641.01 | 1/2 | 281.33 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,693.80 | 3/4 | 1,335.42 | 3/4 | 985.35 | 3/4 | 633.52 | 3/4 | 273.84 | 3/4 | 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: 09/16/2019 CL
CALCULATED: 09/17/2019 CL
PRINTED: 09/17/2019 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

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