



BARGE "CTC 29101"

INNAGE (HERMETIC)
FORMERLY: E2MS 319

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 235'-09"

March 9, 2020

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
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BARGE "CTC 29101"

1 PORT INNAGE TABLE

HERMETIC GAUGE HEIGHT 15'-09 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: E2MS 319

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|-----|--------|-----|--------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| 0 | 15.31 | 0 | 304.08 | 0 | 654.05 | 0 | 1,010.81 | 0 | 1,368.73 | 0 | 1,727.34 | 0 | 2,085.96 | 0 | 2,444.57 | 0 | 2,803.12 | 0 | 3,161.63 |
| 1/4 | 18.36 | 1/4 | 310.98 | 1/4 | 661.52 | 1/4 | 1,018.22 | 1/4 | 1,376.20 | 1/4 | 1,734.81 | 1/4 | 2,093.43 | 1/4 | 2,452.04 | 1/4 | 2,810.59 | 1/4 | 3,169.10 |
| 1/2 | 21.40 | 1/2 | 317.88 | 1/2 | 668.99 | 1/2 | 1,025.63 | 1/2 | 1,383.67 | 1/2 | 1,742.29 | 1/2 | 2,100.90 | 1/2 | 2,459.51 | 1/2 | 2,818.06 | 1/2 | 3,176.57 |
| 3/4 | 24.45 | 3/4 | 324.78 | 3/4 | 676.46 | 3/4 | 1,033.04 | 3/4 | 1,391.14 | 3/4 | 1,749.76 | 3/4 | 2,108.37 | 3/4 | 2,466.98 | 3/4 | 2,825.53 | 3/4 | 3,184.04 |
| 1 | 27.50 | 1 | 331.68 | 1 | 683.93 | 1 | 1,040.45 | 1 | 1,398.61 | 1 | 1,757.23 | 1 | 2,115.84 | 1 | 2,474.45 | 1 | 2,833.00 | 1 | 3,191.51 |
| 1/4 | 32.50 | 1/4 | 338.67 | 1/4 | 691.40 | 1/4 | 1,047.88 | 1/4 | 1,406.09 | 1/4 | 1,764.70 | 1/4 | 2,123.31 | 1/4 | 2,481.92 | 1/4 | 2,840.47 | 1/4 | 3,198.98 |
| 1/2 | 37.50 | 1/2 | 345.66 | 1/2 | 698.88 | 1/2 | 1,055.30 | 1/2 | 1,413.56 | 1/2 | 1,772.17 | 1/2 | 2,130.78 | 1/2 | 2,489.40 | 1/2 | 2,847.94 | 1/2 | 3,206.45 |
| 3/4 | 42.50 | 3/4 | 352.65 | 3/4 | 706.35 | 3/4 | 1,062.72 | 3/4 | 1,421.03 | 3/4 | 1,779.64 | 3/4 | 2,138.25 | 3/4 | 2,496.87 | 3/4 | 2,855.41 | 3/4 | 3,213.92 |
| 2 | 47.51 | 2 | 359.64 | 2 | 713.82 | 2 | 1,070.14 | 2 | 1,428.50 | 2 | 1,787.11 | 2 | 2,145.72 | 2 | 2,504.34 | 2 | 2,862.87 | 2 | 3,221.39 |
| 1/4 | 53.49 | 1/4 | 366.71 | 1/4 | 721.29 | 1/4 | 1,077.58 | 1/4 | 1,435.97 | 1/4 | 1,794.58 | 1/4 | 2,153.20 | 1/4 | 2,511.81 | 1/4 | 2,870.34 | 1/4 | 3,228.86 |
| 1/2 | 59.48 | 1/2 | 373.79 | 1/2 | 728.76 | 1/2 | 1,085.02 | 1/2 | 1,443.44 | 1/2 | 1,802.05 | 1/2 | 2,160.67 | 1/2 | 2,519.28 | 1/2 | 2,877.81 | 1/2 | 3,236.32 |
| 3/4 | 65.47 | 3/4 | 380.87 | 3/4 | 736.23 | 3/4 | 1,092.46 | 3/4 | 1,450.91 | 3/4 | 1,809.53 | 3/4 | 2,168.14 | 3/4 | 2,526.75 | 3/4 | 2,885.28 | 3/4 | 3,243.79 |
| 3 | 71.46 | 3 | 387.94 | 3 | 743.70 | 3 | 1,099.90 | 3 | 1,458.38 | 3 | 1,817.00 | 3 | 2,175.61 | 3 | 2,534.22 | 3 | 2,892.75 | 3 | 3,251.26 |
| 1/4 | 77.56 | 1/4 | 395.11 | 1/4 | 751.17 | 1/4 | 1,107.34 | 1/4 | 1,465.85 | 1/4 | 1,824.47 | 1/4 | 2,183.08 | 1/4 | 2,541.69 | 1/4 | 2,900.22 | 1/4 | 3,258.73 |
| 1/2 | 83.66 | 1/2 | 402.27 | 1/2 | 758.64 | 1/2 | 1,114.78 | 1/2 | 1,473.33 | 1/2 | 1,831.94 | 1/2 | 2,190.55 | 1/2 | 2,549.16 | 1/2 | 2,907.69 | 1/2 | 3,266.20 |
| 3/4 | 89.76 | 3/4 | 409.44 | 3/4 | 766.11 | 3/4 | 1,122.22 | 3/4 | 1,480.80 | 3/4 | 1,839.41 | 3/4 | 2,198.02 | 3/4 | 2,556.64 | 3/4 | 2,915.16 | 3/4 | 3,273.67 |
| 4 | 95.87 | 4 | 416.60 | 4 | 773.58 | 4 | 1,129.65 | 4 | 1,488.27 | 4 | 1,846.88 | 4 | 2,205.49 | 4 | 2,564.11 | 4 | 2,922.63 | 4 | 3,281.14 |
| 1/4 | 102.06 | 1/4 | 423.85 | 1/4 | 781.01 | 1/4 | 1,137.13 | 1/4 | 1,495.74 | 1/4 | 1,854.35 | 1/4 | 2,212.96 | 1/4 | 2,571.58 | 1/4 | 2,930.10 | 1/4 | 3,288.61 |
| 1/2 | 108.26 | 1/2 | 431.10 | 1/2 | 788.43 | 1/2 | 1,144.60 | 1/2 | 1,503.21 | 1/2 | 1,861.82 | 1/2 | 2,220.44 | 1/2 | 2,579.05 | 1/2 | 2,937.56 | 1/2 | 3,296.08 |
| 3/4 | 114.46 | 3/4 | 438.36 | 3/4 | 795.85 | 3/4 | 1,152.07 | 3/4 | 1,510.68 | 3/4 | 1,869.29 | 3/4 | 2,227.91 | 3/4 | 2,586.52 | 3/4 | 2,945.03 | 3/4 | 3,303.55 |
| 5 | 120.66 | 5 | 445.61 | 5 | 803.27 | 5 | 1,159.54 | 5 | 1,518.15 | 5 | 1,876.76 | 5 | 2,235.38 | 5 | 2,593.99 | 5 | 2,952.50 | 5 | 3,311.01 |
| 1/4 | 126.95 | 1/4 | 452.95 | 1/4 | 810.68 | 1/4 | 1,167.01 | 1/4 | 1,525.62 | 1/4 | 1,884.24 | 1/4 | 2,242.85 | 1/4 | 2,601.46 | 1/4 | 2,959.97 | 1/4 | 3,318.48 |
| 1/2 | 133.23 | 1/2 | 460.29 | 1/2 | 818.09 | 1/2 | 1,174.48 | 1/2 | 1,533.09 | 1/2 | 1,891.71 | 1/2 | 2,250.32 | 1/2 | 2,608.93 | 1/2 | 2,967.44 | 1/2 | 3,325.95 |
| 3/4 | 139.52 | 3/4 | 467.63 | 3/4 | 825.50 | 3/4 | 1,181.95 | 3/4 | 1,540.57 | 3/4 | 1,899.18 | 3/4 | 2,257.79 | 3/4 | 2,616.40 | 3/4 | 2,974.91 | 3/4 | 3,333.42 |
| 6 | 145.81 | 6 | 474.97 | 6 | 832.92 | 6 | 1,189.42 | 6 | 1,548.04 | 6 | 1,906.65 | 6 | 2,265.26 | 6 | 2,623.87 | 6 | 2,982.38 | 6 | 3,340.89 |
| 1/4 | 152.19 | 1/4 | 482.39 | 1/4 | 840.33 | 1/4 | 1,196.89 | 1/4 | 1,555.51 | 1/4 | 1,914.12 | 1/4 | 2,272.73 | 1/4 | 2,631.34 | 1/4 | 2,989.85 | 1/4 | 3,348.36 |
| 1/2 | 158.56 | 1/2 | 489.82 | 1/2 | 847.74 | 1/2 | 1,204.37 | 1/2 | 1,562.98 | 1/2 | 1,921.59 | 1/2 | 2,280.20 | 1/2 | 2,638.80 | 1/2 | 2,997.32 | 1/2 | 3,355.83 |
| 3/4 | 164.94 | 3/4 | 497.25 | 3/4 | 855.15 | 3/4 | 1,211.84 | 3/4 | 1,570.45 | 3/4 | 1,929.06 | 3/4 | 2,287.68 | 3/4 | 2,646.27 | 3/4 | 3,004.79 | 3/4 | 3,363.30 |
| 7 | 171.31 | 7 | 504.67 | 7 | 862.56 | 7 | 1,219.31 | 7 | 1,577.92 | 7 | 1,936.53 | 7 | 2,295.15 | 7 | 2,653.74 | 7 | 3,012.25 | 7 | 3,370.77 |
| 1/4 | 177.77 | 1/4 | 512.15 | 1/4 | 869.98 | 1/4 | 1,226.78 | 1/4 | 1,585.39 | 1/4 | 1,944.00 | 1/4 | 2,302.62 | 1/4 | 2,661.21 | 1/4 | 3,019.72 | 1/4 | 3,378.24 |
| 1/2 | 184.24 | 1/2 | 519.62 | 1/2 | 877.39 | 1/2 | 1,234.25 | 1/2 | 1,592.86 | 1/2 | 1,951.48 | 1/2 | 2,310.09 | 1/2 | 2,668.68 | 1/2 | 3,027.19 | 1/2 | 3,385.70 |
| 3/4 | 190.70 | 3/4 | 527.09 | 3/4 | 884.80 | 3/4 | 1,241.72 | 3/4 | 1,600.33 | 3/4 | 1,958.95 | 3/4 | 2,317.56 | 3/4 | 2,676.15 | 3/4 | 3,034.66 | 3/4 | 3,393.17 |
| 8 | 197.16 | 8 | 534.56 | 8 | 892.21 | 8 | 1,249.19 | 8 | 1,607.81 | 8 | 1,966.42 | 8 | 2,325.03 | 8 | 2,683.62 | 8 | 3,042.13 | 8 | 3,400.64 |
| 1/4 | 203.71 | 1/4 | 542.02 | 1/4 | 899.62 | 1/4 | 1,256.66 | 1/4 | 1,615.28 | 1/4 | 1,973.89 | 1/4 | 2,332.50 | 1/4 | 2,691.09 | 1/4 | 3,049.60 | 1/4 | 3,408.11 |
| 1/2 | 210.26 | 1/2 | 549.49 | 1/2 | 907.04 | 1/2 | 1,264.13 | 1/2 | 1,622.75 | 1/2 | 1,981.36 | 1/2 | 2,339.97 | 1/2 | 2,698.56 | 1/2 | 3,057.07 | 1/2 | 3,415.58 |
| 3/4 | 216.82 | 3/4 | 556.96 | 3/4 | 914.45 | 3/4 | 1,271.61 | 3/4 | 1,630.22 | 3/4 | 1,988.83 | 3/4 | 2,347.44 | 3/4 | 2,706.03 | 3/4 | 3,064.54 | 3/4 | 3,423.05 |
| 9 | 223.37 | 9 | 564.42 | 9 | 921.86 | 9 | 1,279.08 | 9 | 1,637.69 | 9 | 1,996.30 | 9 | 2,354.92 | 9 | 2,713.49 | 9 | 3,072.01 | 9 | 3,430.52 |
| 1/4 | 230.00 | 1/4 | 571.89 | 1/4 | 929.27 | 1/4 | 1,286.55 | 1/4 | 1,645.16 | 1/4 | 2,003.77 | 1/4 | 2,362.39 | 1/4 | 2,720.96 | 1/4 | 3,079.48 | 1/4 | 3,437.99 |
| 1/2 | 236.64 | 1/2 | 579.35 | 1/2 | 936.69 | 1/2 | 1,294.02 | 1/2 | 1,652.63 | 1/2 | 2,011.24 | 1/2 | 2,369.86 | 1/2 | 2,728.43 | 1/2 | 3,086.94 | 1/2 | 3,445.46 |
| 3/4 | 243.28 | 3/4 | 586.82 | 3/4 | 944.10 | 3/4 | 1,301.49 | 3/4 | 1,660.10 | 3/4 | 2,018.72 | 3/4 | 2,377.33 | 3/4 | 2,735.90 | 3/4 | 3,094.41 | 3/4 | 3,452.93 |
| 10 | 249.92 | 10 | 594.28 | 10 | 951.51 | 10 | 1,308.96 | 10 | 1,667.57 | 10 | 2,026.19 | 10 | 2,384.80 | 10 | 2,743.37 | 10 | 3,101.88 | 10 | 3,460.39 |
| 1/4 | 256.64 | 1/4 | 601.75 | 1/4 | 958.92 | 1/4 | 1,316.43 | 1/4 | 1,675.05 | 1/4 | 2,033.66 | 1/4 | 2,392.27 | 1/4 | 2,750.84 | 1/4 | 3,109.35 | 1/4 | 3,467.86 |
| 1/2 | 263.37 | 1/2 | 609.22 | 1/2 | 966.33 | 1/2 | 1,323.90 | 1/2 | 1,682.52 | 1/2 | 2,041.13 | 1/2 | 2,399.74 | 1/2 | 2,758.31 | 1/2 | 3,116.82 | 1/2 | 3,475.33 |
| 3/4 | 270.10 | 3/4 | 616.70 | 3/4 | 973.75 | 3/4 | 1,331.37 | 3/4 | 1,689.99 | 3/4 | 2,048.60 | 3/4 | 2,407.21 | 3/4 | 2,765.78 | 3/4 | 3,124.29 | 3/4 | 3,482.80 |
| 11 | 276.82 | 11 | 624.17 | 11 | 981.16 | 11 | 1,338.85 | 11 | 1,697.46 | 11 | 2,056.07 | 11 | 2,414.68 | 11 | 2,773.25 | 11 | 3,131.76 | 11 | 3,490.27 |
| 1/4 | 283.64 | 1/4 | 631.64 | 1/4 | 988.57 | 1/4 | 1,346.32 | 1/4 | 1,704.93 | 1/4 | 2,063.54 | 1/4 | 2,422.16 | 1/4 | 2,780.72 | 1/4 | 3,139.23 | 1/4 | 3,497.74 |
| 1/2 | 290.45 | 1/2 | 639.11 | 1/2 | 995.98 | 1/2 | 1,353.79 | 1/2 | 1,712.40 | 1/2 | 2,071.01 | 1/2 | 2,429.63 | 1/2 | 2,788.18 | 1/2 | 3,146.70 | 1/2 | 3,505.21 |
| 3/4 | 297.26 | 3/4 | 646.58 | 3/4 | 1,003.39 | 3/4 | 1,361.26 | 3/4 | 1,719.87 | 3/4 | 2,078.48 | 3/4 | 2,437.10 | 3/4 | 2,795.65 | 3/4 | 3,154.17 | 3/4 | 3,512.68 |

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
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
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BARGE "CTC 29101"

1 PORT

INNAGE TABLE HERMETIC

GAUGE HEIGHT 15'-09 3/4"

FORMERLY: E2MS 319

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 3,520.15 | 0 | 3,878.66 | 0 | 4,236.48 | 0 | 4,593.95 | 0 | 4,949.60 | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 3,527.62 | 1/4 | 3,886.13 | 1/4 | 4,243.92 | 1/4 | 4,601.39 | 1/4 | 4,956.90 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,535.08 | 1/2 | 3,893.60 | 1/2 | 4,251.37 | 1/2 | 4,608.84 | 1/2 | 4,964.21 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,542.55 | 3/4 | 3,901.07 | 3/4 | 4,258.82 | 3/4 | 4,616.29 | 3/4 | 4,971.51 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 3,550.02 | 1 | 3,908.53 | 1 | 4,266.27 | 1 | 4,623.74 | 1 | 4,978.82 | 1 | | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 3,557.49 | 1/4 | 3,916.00 | 1/4 | 4,273.71 | 1/4 | 4,631.18 | 1/4 | 4,985.26 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,564.96 | 1/2 | 3,923.47 | 1/2 | 4,281.16 | 1/2 | 4,638.63 | 1/2 | 4,991.70 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,572.43 | 3/4 | 3,930.94 | 3/4 | 4,288.61 | 3/4 | 4,646.08 | 3/4 | 4,998.14 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 3,579.90 | 2 | 3,938.41 | 2 | 4,296.05 | 2 | 4,653.52 | 2 | 5,004.59 | 2 | | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 3,587.37 | 1/4 | 3,945.88 | 1/4 | 4,303.50 | 1/4 | 4,660.97 | 1/4 | 5,009.78 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,594.84 | 1/2 | 3,953.35 | 1/2 | 4,310.95 | 1/2 | 4,668.42 | 1/2 | 5,014.98 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,602.31 | 3/4 | 3,960.82 | 3/4 | 4,318.40 | 3/4 | 4,675.87 | 3/4 | 5,020.17 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 3,609.77 | 3 | 3,968.29 | 3 | 4,325.84 | 3 | 4,683.31 | 3 | 5,025.37 | 3 | | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 3,617.24 | 1/4 | 3,975.76 | 1/4 | 4,333.29 | 1/4 | 4,690.76 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,624.71 | 1/2 | 3,983.22 | 1/2 | 4,340.74 | 1/2 | 4,698.21 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,632.18 | 3/4 | 3,990.69 | 3/4 | 4,348.19 | 3/4 | 4,705.66 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 3,639.65 | 4 | 3,998.16 | 4 | 4,355.63 | 4 | 4,713.10 | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 3,647.12 | 1/4 | 4,005.61 | 1/4 | 4,363.08 | 1/4 | 4,720.55 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,654.59 | 1/2 | 4,013.06 | 1/2 | 4,370.53 | 1/2 | 4,728.00 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,662.06 | 3/4 | 4,020.50 | 3/4 | 4,377.97 | 3/4 | 4,735.45 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 3,669.53 | 5 | 4,027.95 | 5 | 4,385.42 | 5 | 4,742.89 | 5 | | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 3,677.00 | 1/4 | 4,035.40 | 1/4 | 4,392.87 | 1/4 | 4,750.34 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,684.46 | 1/2 | 4,042.85 | 1/2 | 4,400.32 | 1/2 | 4,757.79 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,691.93 | 3/4 | 4,050.29 | 3/4 | 4,407.76 | 3/4 | 4,765.23 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 3,699.40 | 6 | 4,057.74 | 6 | 4,415.21 | 6 | 4,772.68 | 6 | | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 3,706.87 | 1/4 | 4,065.19 | 1/4 | 4,422.66 | 1/4 | 4,780.06 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,714.34 | 1/2 | 4,072.64 | 1/2 | 4,430.11 | 1/2 | 4,787.43 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,721.81 | 3/4 | 4,080.08 | 3/4 | 4,437.55 | 3/4 | 4,794.80 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 3,729.28 | 7 | 4,087.53 | 7 | 4,445.00 | 7 | 4,802.18 | 7 | | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 3,736.75 | 1/4 | 4,094.98 | 1/4 | 4,452.45 | 1/4 | 4,809.55 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,744.22 | 1/2 | 4,102.42 | 1/2 | 4,459.90 | 1/2 | 4,816.92 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,751.69 | 3/4 | 4,109.87 | 3/4 | 4,467.34 | 3/4 | 4,824.30 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 3,759.15 | 8 | 4,117.32 | 8 | 4,474.79 | 8 | 4,831.67 | 8 | | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 3,766.62 | 1/4 | 4,124.77 | 1/4 | 4,482.24 | 1/4 | 4,839.05 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,774.09 | 1/2 | 4,132.21 | 1/2 | 4,489.68 | 1/2 | 4,846.42 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,781.56 | 3/4 | 4,139.66 | 3/4 | 4,497.13 | 3/4 | 4,853.79 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 3,789.03 | 9 | 4,147.11 | 9 | 4,504.58 | 9 | 4,861.17 | 9 | | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 3,796.50 | 1/4 | 4,154.56 | 1/4 | 4,512.03 | 1/4 | 4,868.54 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,803.97 | 1/2 | 4,162.00 | 1/2 | 4,519.47 | 1/2 | 4,875.92 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,811.44 | 3/4 | 4,169.45 | 3/4 | 4,526.92 | 3/4 | 4,883.29 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 3,818.91 | 10 | 4,176.90 | 10 | 4,534.37 | 10 | 4,890.67 | 10 | | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 3,826.38 | 1/4 | 4,184.35 | 1/4 | 4,541.82 | 1/4 | 4,898.04 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,833.84 | 1/2 | 4,191.79 | 1/2 | 4,549.26 | 1/2 | 4,905.41 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,841.31 | 3/4 | 4,199.24 | 3/4 | 4,556.71 | 3/4 | 4,912.78 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 3,848.78 | 11 | 4,206.69 | 11 | 4,564.16 | 11 | 4,920.16 | 11 | | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 3,856.25 | 1/4 | 4,214.13 | 1/4 | 4,571.60 | 1/4 | 4,927.52 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,863.72 | 1/2 | 4,221.58 | 1/2 | 4,579.05 | 1/2 | 4,934.88 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,871.19 | 3/4 | 4,229.03 | 3/4 | 4,586.50 | 3/4 | 4,942.24 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/16/2020 CL
CALCULATED: 03/17/2020 CL
PRINTED: 03/19/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2020

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



BARGE "CTC 29101"

1 STBD INNAGE TABLE

HERMETIC GAUGE HEIGHT 15'-09 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: E2MS 319

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|-----|--------|-----|--------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| 0 | 15.31 | 0 | 304.09 | 0 | 654.14 | 0 | 1,012.40 | 0 | 1,370.95 | 0 | 1,729.61 | 0 | 2,088.26 | 0 | 2,446.92 | 0 | 2,805.51 | 0 | 3,164.06 |
| 1/4 | 18.36 | 1/4 | 310.99 | 1/4 | 661.61 | 1/4 | 1,019.86 | 1/4 | 1,378.42 | 1/4 | 1,737.08 | 1/4 | 2,095.74 | 1/4 | 2,454.39 | 1/4 | 2,812.98 | 1/4 | 3,171.53 |
| 1/2 | 21.40 | 1/2 | 317.89 | 1/2 | 669.09 | 1/2 | 1,027.31 | 1/2 | 1,385.90 | 1/2 | 1,744.55 | 1/2 | 2,103.21 | 1/2 | 2,461.86 | 1/2 | 2,820.45 | 1/2 | 3,179.00 |
| 3/4 | 24.45 | 3/4 | 324.79 | 3/4 | 676.56 | 3/4 | 1,034.77 | 3/4 | 1,393.37 | 3/4 | 1,752.02 | 3/4 | 2,110.68 | 3/4 | 2,469.34 | 3/4 | 2,827.92 | 3/4 | 3,186.47 |
| 1 | 27.50 | 1 | 331.69 | 1 | 684.03 | 1 | 1,042.23 | 1 | 1,400.84 | 1 | 1,759.50 | 1 | 2,118.15 | 1 | 2,476.81 | 1 | 2,835.39 | 1 | 3,193.94 |
| 1/4 | 32.50 | 1/4 | 338.68 | 1/4 | 691.50 | 1/4 | 1,049.70 | 1/4 | 1,408.31 | 1/4 | 1,766.97 | 1/4 | 2,125.62 | 1/4 | 2,484.28 | 1/4 | 2,842.86 | 1/4 | 3,201.41 |
| 1/2 | 37.50 | 1/2 | 345.67 | 1/2 | 698.97 | 1/2 | 1,057.16 | 1/2 | 1,415.78 | 1/2 | 1,774.44 | 1/2 | 2,133.10 | 1/2 | 2,491.75 | 1/2 | 2,850.33 | 1/2 | 3,208.88 |
| 3/4 | 42.50 | 3/4 | 352.66 | 3/4 | 706.45 | 3/4 | 1,064.63 | 3/4 | 1,423.26 | 3/4 | 1,781.91 | 3/4 | 2,140.57 | 3/4 | 2,499.22 | 3/4 | 2,857.80 | 3/4 | 3,216.35 |
| 2 | 47.50 | 2 | 359.65 | 2 | 713.92 | 2 | 1,072.09 | 2 | 1,430.73 | 2 | 1,789.38 | 2 | 2,148.04 | 2 | 2,506.70 | 2 | 2,865.27 | 2 | 3,223.82 |
| 1/4 | 53.49 | 1/4 | 366.73 | 1/4 | 721.39 | 1/4 | 1,079.56 | 1/4 | 1,438.20 | 1/4 | 1,796.86 | 1/4 | 2,155.51 | 1/4 | 2,514.17 | 1/4 | 2,872.74 | 1/4 | 3,231.29 |
| 1/2 | 59.48 | 1/2 | 373.81 | 1/2 | 728.86 | 1/2 | 1,087.03 | 1/2 | 1,445.67 | 1/2 | 1,804.33 | 1/2 | 2,162.98 | 1/2 | 2,521.64 | 1/2 | 2,880.21 | 1/2 | 3,238.76 |
| 3/4 | 65.47 | 3/4 | 380.88 | 3/4 | 736.33 | 3/4 | 1,094.49 | 3/4 | 1,453.14 | 3/4 | 1,811.80 | 3/4 | 2,170.46 | 3/4 | 2,529.11 | 3/4 | 2,887.68 | 3/4 | 3,246.23 |
| 3 | 71.46 | 3 | 387.96 | 3 | 743.81 | 3 | 1,101.96 | 3 | 1,460.62 | 3 | 1,819.27 | 3 | 2,177.93 | 3 | 2,536.58 | 3 | 2,895.15 | 3 | 3,253.70 |
| 1/4 | 77.56 | 1/4 | 395.13 | 1/4 | 751.28 | 1/4 | 1,109.43 | 1/4 | 1,468.09 | 1/4 | 1,826.74 | 1/4 | 2,185.40 | 1/4 | 2,544.06 | 1/4 | 2,902.62 | 1/4 | 3,261.17 |
| 1/2 | 83.66 | 1/2 | 402.29 | 1/2 | 758.75 | 1/2 | 1,116.90 | 1/2 | 1,475.56 | 1/2 | 1,834.22 | 1/2 | 2,192.87 | 1/2 | 2,551.53 | 1/2 | 2,910.09 | 1/2 | 3,268.64 |
| 3/4 | 89.76 | 3/4 | 409.46 | 3/4 | 766.22 | 3/4 | 1,124.38 | 3/4 | 1,483.03 | 3/4 | 1,841.69 | 3/4 | 2,200.34 | 3/4 | 2,559.00 | 3/4 | 2,917.56 | 3/4 | 3,276.11 |
| 4 | 95.87 | 4 | 416.62 | 4 | 773.69 | 4 | 1,131.85 | 4 | 1,490.50 | 4 | 1,849.16 | 4 | 2,207.82 | 4 | 2,566.47 | 4 | 2,925.03 | 4 | 3,283.58 |
| 1/4 | 102.06 | 1/4 | 423.87 | 1/4 | 781.17 | 1/4 | 1,139.32 | 1/4 | 1,497.98 | 1/4 | 1,856.63 | 1/4 | 2,215.29 | 1/4 | 2,573.94 | 1/4 | 2,932.50 | 1/4 | 3,291.05 |
| 1/2 | 108.26 | 1/2 | 431.13 | 1/2 | 788.64 | 1/2 | 1,146.79 | 1/2 | 1,505.45 | 1/2 | 1,864.10 | 1/2 | 2,222.76 | 1/2 | 2,581.42 | 1/2 | 2,939.97 | 1/2 | 3,298.52 |
| 3/4 | 114.46 | 3/4 | 438.38 | 3/4 | 796.11 | 3/4 | 1,154.26 | 3/4 | 1,512.92 | 3/4 | 1,871.58 | 3/4 | 2,230.23 | 3/4 | 2,588.89 | 3/4 | 2,947.44 | 3/4 | 3,305.99 |
| 5 | 120.66 | 5 | 445.63 | 5 | 803.58 | 5 | 1,161.74 | 5 | 1,520.39 | 5 | 1,879.05 | 5 | 2,237.70 | 5 | 2,596.36 | 5 | 2,954.91 | 5 | 3,313.46 |
| 1/4 | 126.95 | 1/4 | 452.97 | 1/4 | 811.04 | 1/4 | 1,169.21 | 1/4 | 1,527.86 | 1/4 | 1,886.52 | 1/4 | 2,245.18 | 1/4 | 2,603.83 | 1/4 | 2,962.38 | 1/4 | 3,320.93 |
| 1/2 | 133.24 | 1/2 | 460.31 | 1/2 | 818.50 | 1/2 | 1,176.68 | 1/2 | 1,535.34 | 1/2 | 1,893.99 | 1/2 | 2,252.65 | 1/2 | 2,611.30 | 1/2 | 2,969.85 | 1/2 | 3,328.40 |
| 3/4 | 139.52 | 3/4 | 467.65 | 3/4 | 825.95 | 3/4 | 1,184.15 | 3/4 | 1,542.81 | 3/4 | 1,901.46 | 3/4 | 2,260.12 | 3/4 | 2,618.77 | 3/4 | 2,977.32 | 3/4 | 3,335.87 |
| 6 | 145.81 | 6 | 474.99 | 6 | 833.41 | 6 | 1,191.62 | 6 | 1,550.28 | 6 | 1,908.94 | 6 | 2,267.59 | 6 | 2,626.24 | 6 | 2,984.79 | 6 | 3,343.34 |
| 1/4 | 152.19 | 1/4 | 482.42 | 1/4 | 840.87 | 1/4 | 1,199.10 | 1/4 | 1,557.75 | 1/4 | 1,916.41 | 1/4 | 2,275.06 | 1/4 | 2,633.71 | 1/4 | 2,992.26 | 1/4 | 3,350.81 |
| 1/2 | 158.56 | 1/2 | 489.85 | 1/2 | 848.33 | 1/2 | 1,206.57 | 1/2 | 1,565.22 | 1/2 | 1,923.88 | 1/2 | 2,282.54 | 1/2 | 2,641.18 | 1/2 | 2,999.73 | 1/2 | 3,358.28 |
| 3/4 | 164.94 | 3/4 | 497.28 | 3/4 | 855.79 | 3/4 | 1,214.04 | 3/4 | 1,572.70 | 3/4 | 1,931.35 | 3/4 | 2,290.01 | 3/4 | 2,648.65 | 3/4 | 3,007.20 | 3/4 | 3,365.75 |
| 7 | 171.31 | 7 | 504.70 | 7 | 863.24 | 7 | 1,221.51 | 7 | 1,580.17 | 7 | 1,938.82 | 7 | 2,297.48 | 7 | 2,656.12 | 7 | 3,014.67 | 7 | 3,373.22 |
| 1/4 | 177.78 | 1/4 | 512.18 | 1/4 | 870.70 | 1/4 | 1,228.98 | 1/4 | 1,587.64 | 1/4 | 1,946.30 | 1/4 | 2,304.95 | 1/4 | 2,663.59 | 1/4 | 3,022.14 | 1/4 | 3,380.69 |
| 1/2 | 184.24 | 1/2 | 519.65 | 1/2 | 878.16 | 1/2 | 1,236.46 | 1/2 | 1,595.11 | 1/2 | 1,953.77 | 1/2 | 2,312.42 | 1/2 | 2,671.06 | 1/2 | 3,029.61 | 1/2 | 3,388.16 |
| 3/4 | 190.70 | 3/4 | 527.12 | 3/4 | 885.62 | 3/4 | 1,243.93 | 3/4 | 1,602.58 | 3/4 | 1,961.24 | 3/4 | 2,319.90 | 3/4 | 2,678.53 | 3/4 | 3,037.08 | 3/4 | 3,395.63 |
| 8 | 197.17 | 8 | 534.59 | 8 | 893.07 | 8 | 1,251.40 | 8 | 1,610.06 | 8 | 1,968.71 | 8 | 2,327.37 | 8 | 2,686.00 | 8 | 3,044.55 | 8 | 3,403.10 |
| 1/4 | 203.72 | 1/4 | 542.06 | 1/4 | 900.53 | 1/4 | 1,258.87 | 1/4 | 1,617.53 | 1/4 | 1,976.18 | 1/4 | 2,334.84 | 1/4 | 2,693.47 | 1/4 | 3,052.02 | 1/4 | 3,410.57 |
| 1/2 | 210.27 | 1/2 | 549.54 | 1/2 | 907.99 | 1/2 | 1,266.34 | 1/2 | 1,625.00 | 1/2 | 1,983.66 | 1/2 | 2,342.31 | 1/2 | 2,700.94 | 1/2 | 3,059.49 | 1/2 | 3,418.04 |
| 3/4 | 216.82 | 3/4 | 557.01 | 3/4 | 915.45 | 3/4 | 1,273.82 | 3/4 | 1,632.47 | 3/4 | 1,991.13 | 3/4 | 2,349.78 | 3/4 | 2,708.41 | 3/4 | 3,066.96 | 3/4 | 3,425.51 |
| 9 | 223.37 | 9 | 564.48 | 9 | 922.91 | 9 | 1,281.29 | 9 | 1,639.94 | 9 | 1,998.60 | 9 | 2,357.26 | 9 | 2,715.88 | 9 | 3,074.43 | 9 | 3,432.98 |
| 1/4 | 230.01 | 1/4 | 571.95 | 1/4 | 930.36 | 1/4 | 1,288.76 | 1/4 | 1,647.42 | 1/4 | 2,006.07 | 1/4 | 2,364.73 | 1/4 | 2,723.35 | 1/4 | 3,081.90 | 1/4 | 3,440.45 |
| 1/2 | 236.65 | 1/2 | 579.42 | 1/2 | 937.82 | 1/2 | 1,296.23 | 1/2 | 1,654.89 | 1/2 | 2,013.54 | 1/2 | 2,372.20 | 1/2 | 2,730.82 | 1/2 | 3,089.37 | 1/2 | 3,447.92 |
| 3/4 | 243.29 | 3/4 | 586.90 | 3/4 | 945.28 | 3/4 | 1,303.70 | 3/4 | 1,662.36 | 3/4 | 2,021.02 | 3/4 | 2,379.67 | 3/4 | 2,738.29 | 3/4 | 3,096.84 | 3/4 | 3,455.39 |
| 10 | 249.93 | 10 | 594.37 | 10 | 952.74 | 10 | 1,311.18 | 10 | 1,669.83 | 10 | 2,028.49 | 10 | 2,387.14 | 10 | 2,745.76 | 10 | 3,104.31 | 10 | 3,462.86 |
| 1/4 | 256.65 | 1/4 | 601.84 | 1/4 | 960.19 | 1/4 | 1,318.65 | 1/4 | 1,677.30 | 1/4 | 2,035.96 | 1/4 | 2,394.62 | 1/4 | 2,753.23 | 1/4 | 3,111.78 | 1/4 | 3,470.33 |
| 1/2 | 263.38 | 1/2 | 609.31 | 1/2 | 967.65 | 1/2 | 1,326.12 | 1/2 | 1,684.78 | 1/2 | 2,043.43 | 1/2 | 2,402.09 | 1/2 | 2,760.69 | 1/2 | 3,119.25 | 1/2 | 3,477.80 |
| 3/4 | 270.10 | 3/4 | 616.78 | 3/4 | 975.11 | 3/4 | 1,333.59 | 3/4 | 1,692.25 | 3/4 | 2,050.90 | 3/4 | 2,409.56 | 3/4 | 2,768.16 | 3/4 | 3,126.72 | 3/4 | 3,485.27 |
| 11 | 276.83 | 11 | 624.26 | 11 | 982.57 | 11 | 1,341.06 | 11 | 1,699.72 | 11 | 2,058.38 | 11 | 2,417.03 | 11 | 2,775.63 | 11 | 3,134.18 | 11 | 3,492.74 |
| 1/4 | 283.64 | 1/4 | 631.73 | 1/4 | 990.03 | 1/4 | 1,348.54 | 1/4 | 1,707.19 | 1/4 | 2,065.85 | 1/4 | 2,424.50 | 1/4 | 2,783.10 | 1/4 | 3,141.65 | 1/4 | 3,500.21 |
| 1/2 | 290.46 | 1/2 | 639.20 | 1/2 | 997.48 | 1/2 | 1,356.01 | 1/2 | 1,714.66 | 1/2 | 2,073.32 | 1/2 | 2,431.98 | 1/2 | 2,790.57 | 1/2 | 3,149.12 | 1/2 | 3,507.67 |
| 3/4 | 297.27 | 3/4 | 646.67 | 3/4 | 1,004.94 | 3/4 | 1,363.48 | 3/4 | 1,722.14 | 3/4 | 2,080.79 | 3/4 | 2,439.45 | 3/4 | 2,798.04 | 3/4 | 3,156.59 | 3/4 | 3,515.14 |

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
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-09" FORWARD OF AFT BULKHEAD

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



BARGE "CTC 29101"

1 STBD

INNAGE TABLE HERMETIC

GAUGE HEIGHT 15'-09 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: E2MS 319

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 3,522.61 | 0 | 3,881.16 | 0 | 4,239.01 | 0 | 4,596.51 | 0 | 4,952.20 | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 3,530.08 | 1/4 | 3,888.63 | 1/4 | 4,246.46 | 1/4 | 4,603.96 | 1/4 | 4,959.50 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,537.55 | 1/2 | 3,896.10 | 1/2 | 4,253.91 | 1/2 | 4,611.41 | 1/2 | 4,966.81 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,545.02 | 3/4 | 3,903.57 | 3/4 | 4,261.36 | 3/4 | 4,618.86 | 3/4 | 4,974.11 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 3,552.49 | 1 | 3,911.04 | 1 | 4,268.81 | 1 | 4,626.31 | 1 | 4,981.42 | 1 | | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 3,559.96 | 1/4 | 3,918.51 | 1/4 | 4,276.25 | 1/4 | 4,633.75 | 1/4 | 4,987.86 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,567.43 | 1/2 | 3,925.98 | 1/2 | 4,283.70 | 1/2 | 4,641.20 | 1/2 | 4,994.30 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,574.90 | 3/4 | 3,933.45 | 3/4 | 4,291.15 | 3/4 | 4,648.65 | 3/4 | 5,000.75 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 3,582.37 | 2 | 3,940.92 | 2 | 4,298.60 | 2 | 4,656.10 | 2 | 5,007.19 | 2 | | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 3,589.84 | 1/4 | 3,948.39 | 1/4 | 4,306.05 | 1/4 | 4,663.54 | 1/4 | 5,012.39 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,597.31 | 1/2 | 3,955.86 | 1/2 | 4,313.49 | 1/2 | 4,670.99 | 1/2 | 5,017.58 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,604.78 | 3/4 | 3,963.33 | 3/4 | 4,320.94 | 3/4 | 4,678.44 | 3/4 | 5,022.78 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 3,612.25 | 3 | 3,970.80 | 3 | 4,328.39 | 3 | 4,685.89 | 3 | 5,027.98 | 3 | | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 3,619.72 | 1/4 | 3,978.27 | 1/4 | 4,335.84 | 1/4 | 4,693.34 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,627.19 | 1/2 | 3,985.74 | 1/2 | 4,343.29 | 1/2 | 4,700.78 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,634.66 | 3/4 | 3,993.21 | 3/4 | 4,350.73 | 3/4 | 4,708.23 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 3,642.13 | 4 | 4,000.68 | 4 | 4,358.18 | 4 | 4,715.68 | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 3,649.60 | 1/4 | 4,008.13 | 1/4 | 4,365.63 | 1/4 | 4,723.13 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,657.07 | 1/2 | 4,015.58 | 1/2 | 4,373.08 | 1/2 | 4,730.58 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,664.54 | 3/4 | 4,023.03 | 3/4 | 4,380.52 | 3/4 | 4,738.02 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 3,672.01 | 5 | 4,030.47 | 5 | 4,387.97 | 5 | 4,745.47 | 5 | | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 3,679.48 | 1/4 | 4,037.92 | 1/4 | 4,395.42 | 1/4 | 4,752.92 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,686.95 | 1/2 | 4,045.37 | 1/2 | 4,402.87 | 1/2 | 4,760.37 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,694.42 | 3/4 | 4,052.82 | 3/4 | 4,410.32 | 3/4 | 4,767.82 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 3,701.89 | 6 | 4,060.26 | 6 | 4,417.76 | 6 | 4,775.26 | 6 | | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 3,709.36 | 1/4 | 4,067.71 | 1/4 | 4,425.21 | 1/4 | 4,782.64 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,716.83 | 1/2 | 4,075.16 | 1/2 | 4,432.66 | 1/2 | 4,790.01 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,724.30 | 3/4 | 4,082.61 | 3/4 | 4,440.11 | 3/4 | 4,797.39 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 3,731.77 | 7 | 4,090.06 | 7 | 4,447.56 | 7 | 4,804.76 | 7 | | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 3,739.24 | 1/4 | 4,097.50 | 1/4 | 4,455.00 | 1/4 | 4,812.14 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,746.71 | 1/2 | 4,104.95 | 1/2 | 4,462.45 | 1/2 | 4,819.51 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,754.18 | 3/4 | 4,112.40 | 3/4 | 4,469.90 | 3/4 | 4,826.89 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 3,761.65 | 8 | 4,119.85 | 8 | 4,477.35 | 8 | 4,834.26 | 8 | | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 3,769.12 | 1/4 | 4,127.30 | 1/4 | 4,484.80 | 1/4 | 4,841.63 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,776.59 | 1/2 | 4,134.74 | 1/2 | 4,492.24 | 1/2 | 4,849.01 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,784.06 | 3/4 | 4,142.19 | 3/4 | 4,499.69 | 3/4 | 4,856.38 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 3,791.53 | 9 | 4,149.64 | 9 | 4,507.14 | 9 | 4,863.76 | 9 | | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 3,799.00 | 1/4 | 4,157.09 | 1/4 | 4,514.59 | 1/4 | 4,871.13 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,806.47 | 1/2 | 4,164.54 | 1/2 | 4,522.03 | 1/2 | 4,878.51 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,813.94 | 3/4 | 4,171.98 | 3/4 | 4,529.48 | 3/4 | 4,885.89 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 3,821.41 | 10 | 4,179.43 | 10 | 4,536.93 | 10 | 4,893.26 | 10 | | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 3,828.88 | 1/4 | 4,186.88 | 1/4 | 4,544.38 | 1/4 | 4,900.64 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,836.35 | 1/2 | 4,194.33 | 1/2 | 4,551.83 | 1/2 | 4,908.01 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,843.82 | 3/4 | 4,201.77 | 3/4 | 4,559.27 | 3/4 | 4,915.38 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 3,851.29 | 11 | 4,209.22 | 11 | 4,566.72 | 11 | 4,922.75 | 11 | | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 3,858.76 | 1/4 | 4,216.67 | 1/4 | 4,574.17 | 1/4 | 4,930.11 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,866.23 | 1/2 | 4,224.12 | 1/2 | 4,581.62 | 1/2 | 4,937.47 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,873.70 | 3/4 | 4,231.57 | 3/4 | 4,589.07 | 3/4 | 4,944.84 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/16/2020 CL
CALCULATED: 03/17/2020 CL
PRINTED: 03/19/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2020

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



BARGE "CTC 29101"

2 PORT INNAGE TABLE

HERMETIC GAUGE HEIGHT 15'-09 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: E2MS 319

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|-----|--------|-----|--------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| 0 | 15.31 | 0 | 358.83 | 0 | 717.50 | 0 | 1,066.45 | 0 | 1,420.38 | 0 | 1,779.05 | 0 | 2,137.72 | 0 | 2,496.39 | 0 | 2,855.06 | 0 | 3,213.73 |
| 1/4 | 19.98 | 1/4 | 366.31 | 1/4 | 724.98 | 1/4 | 1,073.62 | 1/4 | 1,427.85 | 1/4 | 1,786.52 | 1/4 | 2,145.19 | 1/4 | 2,503.86 | 1/4 | 2,862.53 | 1/4 | 3,221.20 |
| 1/2 | 24.65 | 1/2 | 373.78 | 1/2 | 732.45 | 1/2 | 1,080.78 | 1/2 | 1,435.32 | 1/2 | 1,794.00 | 1/2 | 2,152.67 | 1/2 | 2,511.34 | 1/2 | 2,870.01 | 1/2 | 3,228.68 |
| 3/4 | 29.32 | 3/4 | 381.25 | 3/4 | 739.92 | 3/4 | 1,087.95 | 3/4 | 1,442.80 | 3/4 | 1,801.47 | 3/4 | 2,160.14 | 3/4 | 2,518.81 | 3/4 | 2,877.48 | 3/4 | 3,236.15 |
| 1 | 33.99 | 1 | 388.72 | 1 | 747.39 | 1 | 1,095.11 | 1 | 1,450.27 | 1 | 1,808.94 | 1 | 2,167.61 | 1 | 2,526.28 | 1 | 2,884.95 | 1 | 3,243.62 |
| 1/4 | 40.53 | 1/4 | 396.20 | 1/4 | 754.87 | 1/4 | 1,102.29 | 1/4 | 1,457.74 | 1/4 | 1,816.41 | 1/4 | 2,175.08 | 1/4 | 2,533.75 | 1/4 | 2,892.42 | 1/4 | 3,251.09 |
| 1/2 | 47.06 | 1/2 | 403.67 | 1/2 | 762.34 | 1/2 | 1,109.46 | 1/2 | 1,465.21 | 1/2 | 1,823.88 | 1/2 | 2,182.55 | 1/2 | 2,541.23 | 1/2 | 2,899.90 | 1/2 | 3,258.57 |
| 3/4 | 53.60 | 3/4 | 411.14 | 3/4 | 769.81 | 3/4 | 1,116.64 | 3/4 | 1,472.69 | 3/4 | 1,831.36 | 3/4 | 2,190.03 | 3/4 | 2,548.70 | 3/4 | 2,907.37 | 3/4 | 3,266.04 |
| 2 | 60.14 | 2 | 418.61 | 2 | 777.28 | 2 | 1,123.81 | 2 | 1,480.16 | 2 | 1,838.83 | 2 | 2,197.50 | 2 | 2,556.17 | 2 | 2,914.84 | 2 | 3,273.51 |
| 1/4 | 67.57 | 1/4 | 426.08 | 1/4 | 784.76 | 1/4 | 1,130.98 | 1/4 | 1,487.63 | 1/4 | 1,846.30 | 1/4 | 2,204.97 | 1/4 | 2,563.64 | 1/4 | 2,922.31 | 1/4 | 3,280.98 |
| 1/2 | 75.01 | 1/2 | 433.56 | 1/2 | 792.23 | 1/2 | 1,138.16 | 1/2 | 1,495.10 | 1/2 | 1,853.77 | 1/2 | 2,212.44 | 1/2 | 2,571.11 | 1/2 | 2,929.78 | 1/2 | 3,288.46 |
| 3/4 | 82.44 | 3/4 | 441.03 | 3/4 | 799.70 | 3/4 | 1,145.33 | 3/4 | 1,502.58 | 3/4 | 1,861.25 | 3/4 | 2,219.92 | 3/4 | 2,578.59 | 3/4 | 2,937.26 | 3/4 | 3,295.93 |
| 3 | 89.88 | 3 | 448.50 | 3 | 807.17 | 3 | 1,152.51 | 3 | 1,510.05 | 3 | 1,868.72 | 3 | 2,227.39 | 3 | 2,586.06 | 3 | 2,944.73 | 3 | 3,303.40 |
| 1/4 | 97.34 | 1/4 | 455.97 | 1/4 | 814.64 | 1/4 | 1,159.70 | 1/4 | 1,517.52 | 1/4 | 1,876.19 | 1/4 | 2,234.86 | 1/4 | 2,593.53 | 1/4 | 2,952.20 | 1/4 | 3,310.87 |
| 1/2 | 104.80 | 1/2 | 463.45 | 1/2 | 822.12 | 1/2 | 1,166.89 | 1/2 | 1,524.99 | 1/2 | 1,883.66 | 1/2 | 2,242.33 | 1/2 | 2,601.00 | 1/2 | 2,959.67 | 1/2 | 3,318.34 |
| 3/4 | 112.26 | 3/4 | 470.92 | 3/4 | 829.59 | 3/4 | 1,174.08 | 3/4 | 1,532.46 | 3/4 | 1,891.14 | 3/4 | 2,249.81 | 3/4 | 2,608.48 | 3/4 | 2,967.15 | 3/4 | 3,325.82 |
| 4 | 119.73 | 4 | 478.39 | 4 | 837.06 | 4 | 1,181.27 | 4 | 1,539.94 | 4 | 1,898.61 | 4 | 2,257.28 | 4 | 2,615.95 | 4 | 2,974.62 | 4 | 3,333.29 |
| 1/4 | 127.20 | 1/4 | 485.86 | 1/4 | 844.25 | 1/4 | 1,188.74 | 1/4 | 1,547.41 | 1/4 | 1,906.08 | 1/4 | 2,264.75 | 1/4 | 2,623.42 | 1/4 | 2,982.09 | 1/4 | 3,340.76 |
| 1/2 | 134.67 | 1/2 | 493.34 | 1/2 | 851.44 | 1/2 | 1,196.21 | 1/2 | 1,554.88 | 1/2 | 1,913.55 | 1/2 | 2,272.22 | 1/2 | 2,630.89 | 1/2 | 2,989.56 | 1/2 | 3,348.23 |
| 3/4 | 142.14 | 3/4 | 500.81 | 3/4 | 858.63 | 3/4 | 1,203.68 | 3/4 | 1,562.35 | 3/4 | 1,921.02 | 3/4 | 2,279.69 | 3/4 | 2,638.37 | 3/4 | 2,997.04 | 3/4 | 3,355.71 |
| 5 | 149.61 | 5 | 508.28 | 5 | 865.82 | 5 | 1,211.16 | 5 | 1,569.83 | 5 | 1,928.50 | 5 | 2,287.17 | 5 | 2,645.84 | 5 | 3,004.51 | 5 | 3,363.18 |
| 1/4 | 157.08 | 1/4 | 515.75 | 1/4 | 872.98 | 1/4 | 1,218.63 | 1/4 | 1,577.30 | 1/4 | 1,935.97 | 1/4 | 2,294.64 | 1/4 | 2,653.31 | 1/4 | 3,011.98 | 1/4 | 3,370.65 |
| 1/2 | 164.55 | 1/2 | 523.22 | 1/2 | 880.15 | 1/2 | 1,226.10 | 1/2 | 1,584.77 | 1/2 | 1,943.44 | 1/2 | 2,302.11 | 1/2 | 2,660.78 | 1/2 | 3,019.45 | 1/2 | 3,378.12 |
| 3/4 | 172.03 | 3/4 | 530.70 | 3/4 | 887.31 | 3/4 | 1,233.57 | 3/4 | 1,592.24 | 3/4 | 1,950.91 | 3/4 | 2,309.58 | 3/4 | 2,668.25 | 3/4 | 3,026.92 | 3/4 | 3,385.60 |
| 6 | 179.50 | 6 | 538.17 | 6 | 894.48 | 6 | 1,241.05 | 6 | 1,599.72 | 6 | 1,958.39 | 6 | 2,317.06 | 6 | 2,675.73 | 6 | 3,034.40 | 6 | 3,393.07 |
| 1/4 | 186.97 | 1/4 | 545.64 | 1/4 | 901.64 | 1/4 | 1,248.52 | 1/4 | 1,607.19 | 1/4 | 1,965.86 | 1/4 | 2,324.53 | 1/4 | 2,683.20 | 1/4 | 3,041.87 | 1/4 | 3,400.54 |
| 1/2 | 194.44 | 1/2 | 553.11 | 1/2 | 908.81 | 1/2 | 1,255.99 | 1/2 | 1,614.66 | 1/2 | 1,973.33 | 1/2 | 2,332.00 | 1/2 | 2,690.67 | 1/2 | 3,049.34 | 1/2 | 3,408.01 |
| 3/4 | 201.92 | 3/4 | 560.59 | 3/4 | 915.97 | 3/4 | 1,263.46 | 3/4 | 1,622.13 | 3/4 | 1,980.80 | 3/4 | 2,339.47 | 3/4 | 2,698.14 | 3/4 | 3,056.81 | 3/4 | 3,415.48 |
| 7 | 209.39 | 7 | 568.06 | 7 | 923.14 | 7 | 1,270.93 | 7 | 1,629.60 | 7 | 1,988.27 | 7 | 2,346.95 | 7 | 2,705.62 | 7 | 3,064.29 | 7 | 3,422.96 |
| 1/4 | 216.86 | 1/4 | 575.53 | 1/4 | 930.31 | 1/4 | 1,278.41 | 1/4 | 1,637.08 | 1/4 | 1,995.75 | 1/4 | 2,354.42 | 1/4 | 2,713.09 | 1/4 | 3,071.76 | 1/4 | 3,430.43 |
| 1/2 | 224.33 | 1/2 | 583.00 | 1/2 | 937.47 | 1/2 | 1,285.88 | 1/2 | 1,644.55 | 1/2 | 2,003.22 | 1/2 | 2,361.89 | 1/2 | 2,720.56 | 1/2 | 3,079.23 | 1/2 | 3,437.90 |
| 3/4 | 231.81 | 3/4 | 590.48 | 3/4 | 944.64 | 3/4 | 1,293.35 | 3/4 | 1,652.02 | 3/4 | 2,010.69 | 3/4 | 2,369.36 | 3/4 | 2,728.03 | 3/4 | 3,086.70 | 3/4 | 3,445.37 |
| 8 | 239.28 | 8 | 597.95 | 8 | 951.80 | 8 | 1,300.82 | 8 | 1,659.49 | 8 | 2,018.16 | 8 | 2,376.83 | 8 | 2,735.50 | 8 | 3,094.18 | 8 | 3,452.85 |
| 1/4 | 246.75 | 1/4 | 605.42 | 1/4 | 958.97 | 1/4 | 1,308.30 | 1/4 | 1,666.97 | 1/4 | 2,025.64 | 1/4 | 2,384.31 | 1/4 | 2,742.98 | 1/4 | 3,101.65 | 1/4 | 3,460.32 |
| 1/2 | 254.22 | 1/2 | 612.89 | 1/2 | 966.13 | 1/2 | 1,315.77 | 1/2 | 1,674.44 | 1/2 | 2,033.11 | 1/2 | 2,391.78 | 1/2 | 2,750.45 | 1/2 | 3,109.12 | 1/2 | 3,467.79 |
| 3/4 | 261.69 | 3/4 | 620.36 | 3/4 | 973.30 | 3/4 | 1,323.24 | 3/4 | 1,681.91 | 3/4 | 2,040.58 | 3/4 | 2,399.25 | 3/4 | 2,757.92 | 3/4 | 3,116.59 | 3/4 | 3,475.26 |
| 9 | 269.17 | 9 | 627.84 | 9 | 980.46 | 9 | 1,330.71 | 9 | 1,689.38 | 9 | 2,048.05 | 9 | 2,406.72 | 9 | 2,765.39 | 9 | 3,124.06 | 9 | 3,482.73 |
| 1/4 | 276.64 | 1/4 | 635.31 | 1/4 | 987.63 | 1/4 | 1,338.18 | 1/4 | 1,696.86 | 1/4 | 2,055.53 | 1/4 | 2,414.20 | 1/4 | 2,772.87 | 1/4 | 3,131.54 | 1/4 | 3,490.21 |
| 1/2 | 284.11 | 1/2 | 642.78 | 1/2 | 994.80 | 1/2 | 1,345.66 | 1/2 | 1,704.33 | 1/2 | 2,063.00 | 1/2 | 2,421.67 | 1/2 | 2,780.34 | 1/2 | 3,139.01 | 1/2 | 3,497.68 |
| 3/4 | 291.58 | 3/4 | 650.25 | 3/4 | 1,001.96 | 3/4 | 1,353.13 | 3/4 | 1,711.80 | 3/4 | 2,070.47 | 3/4 | 2,429.14 | 3/4 | 2,787.81 | 3/4 | 3,146.48 | 3/4 | 3,505.15 |
| 10 | 299.06 | 10 | 657.73 | 10 | 1,009.13 | 10 | 1,360.60 | 10 | 1,719.27 | 10 | 2,077.94 | 10 | 2,436.61 | 10 | 2,795.28 | 10 | 3,153.95 | 10 | 3,512.62 |
| 1/4 | 306.53 | 1/4 | 665.20 | 1/4 | 1,016.29 | 1/4 | 1,368.07 | 1/4 | 1,726.74 | 1/4 | 2,085.41 | 1/4 | 2,444.09 | 1/4 | 2,802.76 | 1/4 | 3,161.43 | 1/4 | 3,520.10 |
| 1/2 | 314.00 | 1/2 | 672.67 | 1/2 | 1,023.46 | 1/2 | 1,375.55 | 1/2 | 1,734.22 | 1/2 | 2,092.89 | 1/2 | 2,451.56 | 1/2 | 2,810.23 | 1/2 | 3,168.90 | 1/2 | 3,527.57 |
| 3/4 | 321.47 | 3/4 | 680.14 | 3/4 | 1,030.62 | 3/4 | 1,383.02 | 3/4 | 1,741.69 | 3/4 | 2,100.36 | 3/4 | 2,459.03 | 3/4 | 2,817.70 | 3/4 | 3,176.37 | 3/4 | 3,535.04 |
| 11 | 328.95 | 11 | 687.62 | 11 | 1,037.79 | 11 | 1,390.49 | 11 | 1,750.16 | 11 | 2,107.83 | 11 | 2,466.50 | 11 | 2,825.17 | 11 | 3,183.84 | 11 | 3,542.51 |
| 1/4 | 336.42 | 1/4 | 695.09 | 1/4 | 1,044.96 | 1/4 | 1,397.96 | 1/4 | 1,756.63 | 1/4 | 2,115.30 | 1/4 | 2,473.97 | 1/4 | 2,832.64 | 1/4 | 3,191.32 | 1/4 | 3,549.99 |
| 1/2 | 343.89 | 1/2 | 702.56 | 1/2 | 1,052.12 | 1/2 | 1,405.44 | 1/2 | 1,764.11 | 1/2 | 2,122.78 | 1/2 | 2,481.45 | 1/2 | 2,840.12 | 1/2 | 3,198.79 | 1/2 | 3,557.46 |
| 3/4 | 351.36 | 3/4 | 710.03 | 3/4 | 1,059.29 | 3/4 | 1,412.91 | 3/4 | 1,771.58 | 3/4 | 2,130.25 | 3/4 | 2,488.92 | 3/4 | 2,847.59 | 3/4 | 3,206.26 | 3/4 | 3,564.93 |

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
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD

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



BARGE "CTC 29101"

2 PORT

INNAGE TABLE HERMETIC

GAUGE HEIGHT 15'-09 3/4"

FORMERLY: E2MS 319

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 3,572.40 | 0 | 3,931.07 | 0 | 4,289.04 | 0 | 4,646.65 | 0 | 5,002.61 | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 3,579.87 | 1/4 | 3,938.55 | 1/4 | 4,296.49 | 1/4 | 4,654.10 | 1/4 | 5,009.92 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,587.35 | 1/2 | 3,946.02 | 1/2 | 4,303.94 | 1/2 | 4,661.55 | 1/2 | 5,017.23 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,594.82 | 3/4 | 3,953.49 | 3/4 | 4,311.39 | 3/4 | 4,669.00 | 3/4 | 5,024.55 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 3,602.29 | 1 | 3,960.96 | 1 | 4,318.84 | 1 | 4,676.45 | 1 | 5,031.86 | 1 | | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 3,609.76 | 1/4 | 3,968.43 | 1/4 | 4,326.29 | 1/4 | 4,683.90 | 1/4 | 5,038.31 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,617.24 | 1/2 | 3,975.91 | 1/2 | 4,333.74 | 1/2 | 4,691.35 | 1/2 | 5,044.76 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,624.71 | 3/4 | 3,983.38 | 3/4 | 4,341.19 | 3/4 | 4,698.80 | 3/4 | 5,051.21 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 3,632.18 | 2 | 3,990.85 | 2 | 4,348.64 | 2 | 4,706.25 | 2 | 5,057.66 | 2 | | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 3,639.65 | 1/4 | 3,998.32 | 1/4 | 4,356.09 | 1/4 | 4,713.70 | 1/4 | 5,062.87 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,647.13 | 1/2 | 4,005.80 | 1/2 | 4,363.54 | 1/2 | 4,721.15 | 1/2 | 5,068.07 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,654.60 | 3/4 | 4,013.27 | 3/4 | 4,370.99 | 3/4 | 4,728.60 | 3/4 | 5,073.28 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 3,662.07 | 3 | 4,020.74 | 3 | 4,378.44 | 3 | 4,736.05 | 3 | 5,078.48 | 3 | | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 3,669.54 | 1/4 | 4,028.21 | 1/4 | 4,385.89 | 1/4 | 4,743.50 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,677.01 | 1/2 | 4,035.69 | 1/2 | 4,393.34 | 1/2 | 4,750.95 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,684.49 | 3/4 | 4,043.16 | 3/4 | 4,400.79 | 3/4 | 4,758.40 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 3,691.96 | 4 | 4,050.63 | 4 | 4,408.24 | 4 | 4,765.85 | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 3,699.43 | 1/4 | 4,058.08 | 1/4 | 4,415.69 | 1/4 | 4,773.30 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,706.90 | 1/2 | 4,065.53 | 1/2 | 4,423.14 | 1/2 | 4,780.75 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,714.38 | 3/4 | 4,072.98 | 3/4 | 4,430.59 | 3/4 | 4,788.20 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 3,721.85 | 5 | 4,080.43 | 5 | 4,438.04 | 5 | 4,795.65 | 5 | | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 3,729.32 | 1/4 | 4,087.88 | 1/4 | 4,445.49 | 1/4 | 4,803.10 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,736.79 | 1/2 | 4,095.33 | 1/2 | 4,452.94 | 1/2 | 4,810.55 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,744.27 | 3/4 | 4,102.78 | 3/4 | 4,460.39 | 3/4 | 4,818.00 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 3,751.74 | 6 | 4,110.23 | 6 | 4,467.84 | 6 | 4,825.45 | 6 | | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 3,759.21 | 1/4 | 4,117.68 | 1/4 | 4,475.29 | 1/4 | 4,832.84 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,766.68 | 1/2 | 4,125.13 | 1/2 | 4,482.74 | 1/2 | 4,840.22 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,774.15 | 3/4 | 4,132.58 | 3/4 | 4,490.19 | 3/4 | 4,847.60 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 3,781.63 | 7 | 4,140.03 | 7 | 4,497.64 | 7 | 4,854.99 | 7 | | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 3,789.10 | 1/4 | 4,147.48 | 1/4 | 4,505.09 | 1/4 | 4,862.37 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,796.57 | 1/2 | 4,154.93 | 1/2 | 4,512.54 | 1/2 | 4,869.76 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,804.04 | 3/4 | 4,162.38 | 3/4 | 4,519.99 | 3/4 | 4,877.14 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 3,811.52 | 8 | 4,169.83 | 8 | 4,527.44 | 8 | 4,884.53 | 8 | | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 3,818.99 | 1/4 | 4,177.28 | 1/4 | 4,534.89 | 1/4 | 4,891.91 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,826.46 | 1/2 | 4,184.73 | 1/2 | 4,542.34 | 1/2 | 4,899.30 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,833.93 | 3/4 | 4,192.18 | 3/4 | 4,549.79 | 3/4 | 4,906.68 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 3,841.41 | 9 | 4,199.63 | 9 | 4,557.24 | 9 | 4,914.07 | 9 | | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 3,848.88 | 1/4 | 4,207.08 | 1/4 | 4,564.69 | 1/4 | 4,921.45 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,856.35 | 1/2 | 4,214.53 | 1/2 | 4,572.14 | 1/2 | 4,928.84 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,863.82 | 3/4 | 4,221.98 | 3/4 | 4,579.59 | 3/4 | 4,936.22 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 3,871.29 | 10 | 4,229.43 | 10 | 4,587.04 | 10 | 4,943.61 | 10 | | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 3,878.77 | 1/4 | 4,236.88 | 1/4 | 4,594.49 | 1/4 | 4,950.99 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,886.24 | 1/2 | 4,244.33 | 1/2 | 4,601.94 | 1/2 | 4,958.37 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,893.71 | 3/4 | 4,251.79 | 3/4 | 4,609.39 | 3/4 | 4,965.75 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 3,901.18 | 11 | 4,259.24 | 11 | 4,616.84 | 11 | 4,973.13 | 11 | | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 3,908.66 | 1/4 | 4,266.69 | 1/4 | 4,624.30 | 1/4 | 4,980.50 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,916.13 | 1/2 | 4,274.14 | 1/2 | 4,631.75 | 1/2 | 4,987.87 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,923.60 | 3/4 | 4,281.59 | 3/4 | 4,639.20 | 3/4 | 4,995.24 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/16/2020 CL
CALCULATED: 03/17/2020 CL
PRINTED: 03/19/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2020

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



BARGE "CTC 29101"

2 STBD INNAGE TABLE

HERMETIC GAUGE HEIGHT 15'-09 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: E2MS 319

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|-----|--------|-----|--------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| 0 | 15.35 | 0 | 359.79 | 0 | 719.42 | 0 | 1,078.64 | 0 | 1,438.17 | 0 | 1,797.79 | 0 | 2,157.42 | 0 | 2,517.04 | 0 | 2,876.61 | 0 | 3,236.13 |
| 1/4 | 20.03 | 1/4 | 367.28 | 1/4 | 726.91 | 1/4 | 1,086.12 | 1/4 | 1,445.66 | 1/4 | 1,805.28 | 1/4 | 2,164.91 | 1/4 | 2,524.53 | 1/4 | 2,884.10 | 1/4 | 3,243.62 |
| 1/2 | 24.71 | 1/2 | 374.78 | 1/2 | 734.40 | 1/2 | 1,093.60 | 1/2 | 1,453.15 | 1/2 | 1,812.78 | 1/2 | 2,172.40 | 1/2 | 2,532.03 | 1/2 | 2,891.59 | 1/2 | 3,251.11 |
| 3/4 | 29.40 | 3/4 | 382.27 | 3/4 | 741.89 | 3/4 | 1,101.08 | 3/4 | 1,460.64 | 3/4 | 1,820.27 | 3/4 | 2,179.89 | 3/4 | 2,539.52 | 3/4 | 2,899.08 | 3/4 | 3,258.60 |
| 1 | 34.08 | 1 | 389.76 | 1 | 749.39 | 1 | 1,108.55 | 1 | 1,468.13 | 1 | 1,827.76 | 1 | 2,187.39 | 1 | 2,547.01 | 1 | 2,906.57 | 1 | 3,266.09 |
| 1/4 | 40.63 | 1/4 | 397.25 | 1/4 | 756.88 | 1/4 | 1,116.04 | 1/4 | 1,475.63 | 1/4 | 1,835.25 | 1/4 | 2,194.88 | 1/4 | 2,554.50 | 1/4 | 2,914.06 | 1/4 | 3,273.58 |
| 1/2 | 47.19 | 1/2 | 404.74 | 1/2 | 764.37 | 1/2 | 1,123.53 | 1/2 | 1,483.12 | 1/2 | 1,842.74 | 1/2 | 2,202.37 | 1/2 | 2,562.00 | 1/2 | 2,921.55 | 1/2 | 3,281.07 |
| 3/4 | 53.74 | 3/4 | 412.24 | 3/4 | 771.86 | 3/4 | 1,131.01 | 3/4 | 1,490.61 | 3/4 | 1,850.24 | 3/4 | 2,209.86 | 3/4 | 2,569.49 | 3/4 | 2,929.04 | 3/4 | 3,288.56 |
| 2 | 60.30 | 2 | 419.73 | 2 | 779.35 | 2 | 1,138.50 | 2 | 1,498.10 | 2 | 1,857.73 | 2 | 2,217.35 | 2 | 2,576.98 | 2 | 2,936.53 | 2 | 3,296.05 |
| 1/4 | 67.75 | 1/4 | 427.22 | 1/4 | 786.85 | 1/4 | 1,145.99 | 1/4 | 1,505.60 | 1/4 | 1,865.22 | 1/4 | 2,224.85 | 1/4 | 2,584.47 | 1/4 | 2,944.02 | 1/4 | 3,303.54 |
| 1/2 | 75.21 | 1/2 | 434.71 | 1/2 | 794.34 | 1/2 | 1,153.47 | 1/2 | 1,513.09 | 1/2 | 1,872.71 | 1/2 | 2,232.34 | 1/2 | 2,591.96 | 1/2 | 2,951.51 | 1/2 | 3,311.03 |
| 3/4 | 82.66 | 3/4 | 442.21 | 3/4 | 801.83 | 3/4 | 1,160.96 | 3/4 | 1,520.58 | 3/4 | 1,880.21 | 3/4 | 2,239.83 | 3/4 | 2,599.46 | 3/4 | 2,959.00 | 3/4 | 3,318.52 |
| 3 | 90.12 | 3 | 449.70 | 3 | 809.32 | 3 | 1,168.45 | 3 | 1,528.07 | 3 | 1,887.70 | 3 | 2,247.32 | 3 | 2,606.95 | 3 | 2,966.49 | 3 | 3,326.01 |
| 1/4 | 97.60 | 1/4 | 457.19 | 1/4 | 816.82 | 1/4 | 1,175.94 | 1/4 | 1,535.56 | 1/4 | 1,895.19 | 1/4 | 2,254.82 | 1/4 | 2,614.44 | 1/4 | 2,973.98 | 1/4 | 3,333.50 |
| 1/2 | 105.08 | 1/2 | 464.68 | 1/2 | 824.31 | 1/2 | 1,183.43 | 1/2 | 1,543.06 | 1/2 | 1,902.68 | 1/2 | 2,262.31 | 1/2 | 2,621.93 | 1/2 | 2,981.47 | 1/2 | 3,340.99 |
| 3/4 | 112.56 | 3/4 | 472.17 | 3/4 | 831.80 | 3/4 | 1,190.92 | 3/4 | 1,550.55 | 3/4 | 1,910.17 | 3/4 | 2,269.80 | 3/4 | 2,629.43 | 3/4 | 2,988.96 | 3/4 | 3,348.48 |
| 4 | 120.05 | 4 | 479.67 | 4 | 839.29 | 4 | 1,198.42 | 4 | 1,558.04 | 4 | 1,917.67 | 4 | 2,277.29 | 4 | 2,636.92 | 4 | 2,996.45 | 4 | 3,355.97 |
| 1/4 | 127.54 | 1/4 | 487.16 | 1/4 | 846.78 | 1/4 | 1,205.91 | 1/4 | 1,565.53 | 1/4 | 1,925.16 | 1/4 | 2,284.78 | 1/4 | 2,644.41 | 1/4 | 3,003.94 | 1/4 | 3,363.46 |
| 1/2 | 135.03 | 1/2 | 494.65 | 1/2 | 854.28 | 1/2 | 1,213.40 | 1/2 | 1,573.03 | 1/2 | 1,932.65 | 1/2 | 2,292.28 | 1/2 | 2,651.90 | 1/2 | 3,011.43 | 1/2 | 3,370.95 |
| 3/4 | 142.52 | 3/4 | 502.14 | 3/4 | 861.77 | 3/4 | 1,220.89 | 3/4 | 1,580.52 | 3/4 | 1,940.14 | 3/4 | 2,299.77 | 3/4 | 2,659.39 | 3/4 | 3,018.92 | 3/4 | 3,378.44 |
| 5 | 150.01 | 5 | 509.64 | 5 | 869.26 | 5 | 1,228.38 | 5 | 1,588.01 | 5 | 1,947.64 | 5 | 2,307.26 | 5 | 2,666.89 | 5 | 3,026.41 | 5 | 3,385.93 |
| 1/4 | 157.50 | 1/4 | 517.13 | 1/4 | 876.74 | 1/4 | 1,235.88 | 1/4 | 1,595.50 | 1/4 | 1,955.13 | 1/4 | 2,314.75 | 1/4 | 2,674.38 | 1/4 | 3,033.90 | 1/4 | 3,393.42 |
| 1/2 | 164.99 | 1/2 | 524.62 | 1/2 | 884.22 | 1/2 | 1,243.37 | 1/2 | 1,602.99 | 1/2 | 1,962.62 | 1/2 | 2,322.25 | 1/2 | 2,681.87 | 1/2 | 3,041.39 | 1/2 | 3,400.91 |
| 3/4 | 172.49 | 3/4 | 532.11 | 3/4 | 891.69 | 3/4 | 1,250.86 | 3/4 | 1,610.49 | 3/4 | 1,970.11 | 3/4 | 2,329.74 | 3/4 | 2,689.36 | 3/4 | 3,048.88 | 3/4 | 3,408.40 |
| 6 | 179.98 | 6 | 539.60 | 6 | 899.17 | 6 | 1,258.35 | 6 | 1,617.98 | 6 | 1,977.60 | 6 | 2,337.23 | 6 | 2,696.85 | 6 | 3,056.37 | 6 | 3,415.89 |
| 1/4 | 187.47 | 1/4 | 547.10 | 1/4 | 906.65 | 1/4 | 1,265.85 | 1/4 | 1,625.47 | 1/4 | 1,985.10 | 1/4 | 2,344.72 | 1/4 | 2,704.34 | 1/4 | 3,063.86 | 1/4 | 3,423.38 |
| 1/2 | 194.96 | 1/2 | 554.59 | 1/2 | 914.13 | 1/2 | 1,273.34 | 1/2 | 1,632.96 | 1/2 | 1,992.59 | 1/2 | 2,352.21 | 1/2 | 2,711.83 | 1/2 | 3,071.35 | 1/2 | 3,430.87 |
| 3/4 | 202.46 | 3/4 | 562.08 | 3/4 | 921.61 | 3/4 | 1,280.83 | 3/4 | 1,640.46 | 3/4 | 2,000.08 | 3/4 | 2,359.71 | 3/4 | 2,719.32 | 3/4 | 3,078.84 | 3/4 | 3,438.36 |
| 7 | 209.95 | 7 | 569.57 | 7 | 929.08 | 7 | 1,288.32 | 7 | 1,647.95 | 7 | 2,007.57 | 7 | 2,367.20 | 7 | 2,726.81 | 7 | 3,086.33 | 7 | 3,445.85 |
| 1/4 | 217.44 | 1/4 | 577.07 | 1/4 | 936.56 | 1/4 | 1,295.81 | 1/4 | 1,655.44 | 1/4 | 2,015.07 | 1/4 | 2,374.69 | 1/4 | 2,734.30 | 1/4 | 3,093.82 | 1/4 | 3,453.34 |
| 1/2 | 224.93 | 1/2 | 584.56 | 1/2 | 944.04 | 1/2 | 1,303.31 | 1/2 | 1,662.93 | 1/2 | 2,022.56 | 1/2 | 2,382.18 | 1/2 | 2,741.79 | 1/2 | 3,101.31 | 1/2 | 3,460.83 |
| 3/4 | 232.42 | 3/4 | 592.05 | 3/4 | 951.52 | 3/4 | 1,310.80 | 3/4 | 1,670.42 | 3/4 | 2,030.05 | 3/4 | 2,389.68 | 3/4 | 2,749.28 | 3/4 | 3,108.80 | 3/4 | 3,468.32 |
| 8 | 239.92 | 8 | 599.54 | 8 | 959.00 | 8 | 1,318.29 | 8 | 1,677.92 | 8 | 2,037.54 | 8 | 2,397.17 | 8 | 2,756.77 | 8 | 3,116.29 | 8 | 3,475.81 |
| 1/4 | 247.41 | 1/4 | 607.03 | 1/4 | 966.47 | 1/4 | 1,325.78 | 1/4 | 1,685.41 | 1/4 | 2,045.03 | 1/4 | 2,404.66 | 1/4 | 2,764.26 | 1/4 | 3,123.78 | 1/4 | 3,483.30 |
| 1/2 | 254.90 | 1/2 | 614.53 | 1/2 | 973.95 | 1/2 | 1,333.28 | 1/2 | 1,692.90 | 1/2 | 2,052.53 | 1/2 | 2,412.15 | 1/2 | 2,771.75 | 1/2 | 3,131.27 | 1/2 | 3,490.79 |
| 3/4 | 262.39 | 3/4 | 622.02 | 3/4 | 981.43 | 3/4 | 1,340.77 | 3/4 | 1,700.39 | 3/4 | 2,060.02 | 3/4 | 2,419.64 | 3/4 | 2,779.24 | 3/4 | 3,138.76 | 3/4 | 3,498.28 |
| 9 | 269.89 | 9 | 629.51 | 9 | 988.91 | 9 | 1,348.26 | 9 | 1,707.89 | 9 | 2,067.51 | 9 | 2,427.14 | 9 | 2,786.73 | 9 | 3,146.25 | 9 | 3,505.77 |
| 1/4 | 277.38 | 1/4 | 637.00 | 1/4 | 996.39 | 1/4 | 1,355.75 | 1/4 | 1,715.38 | 1/4 | 2,075.00 | 1/4 | 2,434.63 | 1/4 | 2,794.22 | 1/4 | 3,153.74 | 1/4 | 3,513.26 |
| 1/2 | 284.87 | 1/2 | 644.50 | 1/2 | 1,003.86 | 1/2 | 1,363.24 | 1/2 | 1,722.87 | 1/2 | 2,082.50 | 1/2 | 2,442.12 | 1/2 | 2,801.71 | 1/2 | 3,161.23 | 1/2 | 3,520.75 |
| 3/4 | 292.36 | 3/4 | 651.99 | 3/4 | 1,011.34 | 3/4 | 1,370.74 | 3/4 | 1,730.36 | 3/4 | 2,089.99 | 3/4 | 2,449.61 | 3/4 | 2,809.20 | 3/4 | 3,168.72 | 3/4 | 3,528.24 |
| 10 | 299.85 | 10 | 659.48 | 10 | 1,018.82 | 10 | 1,378.23 | 10 | 1,737.85 | 10 | 2,097.48 | 10 | 2,457.11 | 10 | 2,816.69 | 10 | 3,176.21 | 10 | 3,535.73 |
| 1/4 | 307.35 | 1/4 | 666.97 | 1/4 | 1,026.30 | 1/4 | 1,385.72 | 1/4 | 1,745.35 | 1/4 | 2,104.97 | 1/4 | 2,464.60 | 1/4 | 2,824.18 | 1/4 | 3,183.70 | 1/4 | 3,543.22 |
| 1/2 | 314.84 | 1/2 | 674.46 | 1/2 | 1,033.77 | 1/2 | 1,393.21 | 1/2 | 1,752.84 | 1/2 | 2,112.46 | 1/2 | 2,472.09 | 1/2 | 2,831.67 | 1/2 | 3,191.19 | 1/2 | 3,550.71 |
| 3/4 | 322.33 | 3/4 | 681.96 | 3/4 | 1,041.25 | 3/4 | 1,400.70 | 3/4 | 1,760.33 | 3/4 | 2,119.96 | 3/4 | 2,479.58 | 3/4 | 2,839.16 | 3/4 | 3,198.68 | 3/4 | 3,558.20 |
| 11 | 329.82 | 11 | 689.45 | 11 | 1,048.73 | 11 | 1,408.20 | 11 | 1,767.82 | 11 | 2,127.45 | 11 | 2,487.07 | 11 | 2,846.65 | 11 | 3,206.17 | 11 | 3,565.69 |
| 1/4 | 337.31 | 1/4 | 696.94 | 1/4 | 1,056.21 | 1/4 | 1,415.69 | 1/4 | 1,775.31 | 1/4 | 2,134.94 | 1/4 | 2,494.57 | 1/4 | 2,854.14 | 1/4 | 3,213.66 | 1/4 | 3,573.18 |
| 1/2 | 344.81 | 1/2 | 704.43 | 1/2 | 1,063.69 | 1/2 | 1,423.18 | 1/2 | 1,782.81 | 1/2 | 2,142.43 | 1/2 | 2,502.06 | 1/2 | 2,861.63 | 1/2 | 3,221.15 | 1/2 | 3,580.67 |
| 3/4 | 352.30 | 3/4 | 711.92 | 3/4 | 1,071.16 | 3/4 | 1,430.67 | 3/4 | 1,790.30 | 3/4 | 2,149.92 | 3/4 | 2,509.55 | 3/4 | 2,869.12 | 3/4 | 3,228.64 | 3/4 | 3,588.16 |

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
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "CTC 29101"

2 STBD

INNAGE TABLE HERMETIC

GAUGE HEIGHT 15'-09 1/4"

FORMERLY: E2MS 319

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 3,595.65 | 0 | 3,955.17 | 0 | 4,314.00 | 0 | 4,672.48 | 0 | 5,029.15 | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 3,603.14 | 1/4 | 3,962.66 | 1/4 | 4,321.46 | 1/4 | 4,679.95 | 1/4 | 5,036.48 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,610.63 | 1/2 | 3,970.15 | 1/2 | 4,328.93 | 1/2 | 4,687.42 | 1/2 | 5,043.80 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,618.12 | 3/4 | 3,977.64 | 3/4 | 4,336.40 | 3/4 | 4,694.88 | 3/4 | 5,051.13 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 3,625.61 | 1 | 3,985.13 | 1 | 4,343.87 | 1 | 4,702.35 | 1 | 5,058.45 | 1 | | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 3,633.10 | 1/4 | 3,992.62 | 1/4 | 4,351.34 | 1/4 | 4,709.82 | 1/4 | 5,064.91 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,640.59 | 1/2 | 4,000.11 | 1/2 | 4,358.81 | 1/2 | 4,717.29 | 1/2 | 5,071.37 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,648.08 | 3/4 | 4,007.60 | 3/4 | 4,366.27 | 3/4 | 4,724.76 | 3/4 | 5,077.83 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 3,655.57 | 2 | 4,015.09 | 2 | 4,373.74 | 2 | 4,732.23 | 2 | 5,084.29 | 2 | | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 3,663.06 | 1/4 | 4,022.58 | 1/4 | 4,381.21 | 1/4 | 4,739.69 | 1/4 | 5,089.50 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,670.55 | 1/2 | 4,030.07 | 1/2 | 4,388.68 | 1/2 | 4,747.16 | 1/2 | 5,094.72 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,678.04 | 3/4 | 4,037.56 | 3/4 | 4,396.15 | 3/4 | 4,754.63 | 3/4 | 5,099.93 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 3,685.53 | 3 | 4,045.05 | 3 | 4,403.62 | 3 | 4,762.10 | 3 | 5,105.14 | 3 | | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 3,693.02 | 1/4 | 4,052.54 | 1/4 | 4,411.08 | 1/4 | 4,769.57 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,700.51 | 1/2 | 4,060.03 | 1/2 | 4,418.55 | 1/2 | 4,777.04 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,708.00 | 3/4 | 4,067.52 | 3/4 | 4,426.02 | 3/4 | 4,784.50 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 3,715.49 | 4 | 4,075.01 | 4 | 4,433.49 | 4 | 4,791.97 | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 3,722.98 | 1/4 | 4,082.48 | 1/4 | 4,440.96 | 1/4 | 4,799.44 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,730.47 | 1/2 | 4,089.94 | 1/2 | 4,448.43 | 1/2 | 4,806.91 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,737.96 | 3/4 | 4,097.41 | 3/4 | 4,455.90 | 3/4 | 4,814.38 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 3,745.45 | 5 | 4,104.88 | 5 | 4,463.36 | 5 | 4,821.85 | 5 | | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 3,752.94 | 1/4 | 4,112.35 | 1/4 | 4,470.83 | 1/4 | 4,829.32 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,760.43 | 1/2 | 4,119.82 | 1/2 | 4,478.30 | 1/2 | 4,836.78 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,767.92 | 3/4 | 4,127.29 | 3/4 | 4,485.77 | 3/4 | 4,844.25 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 3,775.41 | 6 | 4,134.75 | 6 | 4,493.24 | 6 | 4,851.72 | 6 | | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 3,782.90 | 1/4 | 4,142.22 | 1/4 | 4,500.71 | 1/4 | 4,859.11 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,790.39 | 1/2 | 4,149.69 | 1/2 | 4,508.17 | 1/2 | 4,866.51 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,797.88 | 3/4 | 4,157.16 | 3/4 | 4,515.64 | 3/4 | 4,873.90 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 3,805.37 | 7 | 4,164.63 | 7 | 4,523.11 | 7 | 4,881.30 | 7 | | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 3,812.86 | 1/4 | 4,172.10 | 1/4 | 4,530.58 | 1/4 | 4,888.69 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,820.35 | 1/2 | 4,179.56 | 1/2 | 4,538.05 | 1/2 | 4,896.09 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,827.84 | 3/4 | 4,187.03 | 3/4 | 4,545.52 | 3/4 | 4,903.48 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 3,835.33 | 8 | 4,194.50 | 8 | 4,552.98 | 8 | 4,910.88 | 8 | | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 3,842.82 | 1/4 | 4,201.97 | 1/4 | 4,560.45 | 1/4 | 4,918.27 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,850.31 | 1/2 | 4,209.44 | 1/2 | 4,567.92 | 1/2 | 4,925.67 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,857.80 | 3/4 | 4,216.91 | 3/4 | 4,575.39 | 3/4 | 4,933.06 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 3,865.29 | 9 | 4,224.37 | 9 | 4,582.86 | 9 | 4,940.46 | 9 | | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 3,872.78 | 1/4 | 4,231.84 | 1/4 | 4,590.33 | 1/4 | 4,947.85 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,880.27 | 1/2 | 4,239.31 | 1/2 | 4,597.79 | 1/2 | 4,955.25 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,887.76 | 3/4 | 4,246.78 | 3/4 | 4,605.26 | 3/4 | 4,962.65 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 3,895.25 | 10 | 4,254.25 | 10 | 4,612.73 | 10 | 4,970.04 | 10 | | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 3,902.74 | 1/4 | 4,261.72 | 1/4 | 4,620.20 | 1/4 | 4,977.44 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,910.23 | 1/2 | 4,269.19 | 1/2 | 4,627.67 | 1/2 | 4,984.83 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,917.72 | 3/4 | 4,276.65 | 3/4 | 4,635.14 | 3/4 | 4,992.23 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 3,925.21 | 11 | 4,284.12 | 11 | 4,642.61 | 11 | 4,999.62 | 11 | | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 3,932.70 | 1/4 | 4,291.59 | 1/4 | 4,650.07 | 1/4 | 5,007.00 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,940.19 | 1/2 | 4,299.06 | 1/2 | 4,657.54 | 1/2 | 5,014.39 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,947.68 | 3/4 | 4,306.53 | 3/4 | 4,665.01 | 3/4 | 5,021.77 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/16/2020 CL
CALCULATED: 03/17/2020 CL
PRINTED: 03/19/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2020

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



BARGE "CTC 29101"

3 PORT INNAGE TABLE

HERMETIC GAUGE HEIGHT 15'-09 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: E2MS 319

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|-----|--------|-----|--------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| 0 | 15.25 | 0 | 357.21 | 0 | 713.78 | 0 | 1,060.72 | 0 | 1,413.30 | 0 | 1,769.57 | 0 | 2,125.12 | 0 | 2,481.38 | 0 | 2,837.35 | 0 | 3,193.30 |
| 1/4 | 19.90 | 1/4 | 364.63 | 1/4 | 721.21 | 1/4 | 1,067.86 | 1/4 | 1,420.73 | 1/4 | 1,776.98 | 1/4 | 2,132.54 | 1/4 | 2,488.79 | 1/4 | 2,844.76 | 1/4 | 3,200.68 |
| 1/2 | 24.55 | 1/2 | 372.06 | 1/2 | 728.64 | 1/2 | 1,074.99 | 1/2 | 1,428.15 | 1/2 | 1,784.39 | 1/2 | 2,139.96 | 1/2 | 2,496.21 | 1/2 | 2,852.18 | 1/2 | 3,208.07 |
| 3/4 | 29.20 | 3/4 | 379.49 | 3/4 | 736.07 | 3/4 | 1,082.12 | 3/4 | 1,435.57 | 3/4 | 1,791.80 | 3/4 | 2,147.38 | 3/4 | 2,503.63 | 3/4 | 2,859.60 | 3/4 | 3,215.46 |
| 1 | 33.85 | 1 | 386.92 | 1 | 743.50 | 1 | 1,089.25 | 1 | 1,443.00 | 1 | 1,799.20 | 1 | 2,154.80 | 1 | 2,511.04 | 1 | 2,867.01 | 1 | 3,222.85 |
| 1/4 | 40.35 | 1/4 | 394.35 | 1/4 | 750.93 | 1/4 | 1,096.46 | 1/4 | 1,450.42 | 1/4 | 1,806.61 | 1/4 | 2,162.22 | 1/4 | 2,518.46 | 1/4 | 2,874.43 | 1/4 | 3,230.23 |
| 1/2 | 46.86 | 1/2 | 401.78 | 1/2 | 758.36 | 1/2 | 1,103.66 | 1/2 | 1,457.84 | 1/2 | 1,814.02 | 1/2 | 2,169.64 | 1/2 | 2,525.88 | 1/2 | 2,881.84 | 1/2 | 3,237.62 |
| 3/4 | 53.37 | 3/4 | 409.21 | 3/4 | 765.78 | 3/4 | 1,110.86 | 3/4 | 1,465.27 | 3/4 | 1,821.43 | 3/4 | 2,177.06 | 3/4 | 2,533.29 | 3/4 | 2,889.26 | 3/4 | 3,245.01 |
| 2 | 59.88 | 2 | 416.64 | 2 | 773.21 | 2 | 1,118.06 | 2 | 1,472.69 | 2 | 1,828.83 | 2 | 2,184.48 | 2 | 2,540.71 | 2 | 2,896.67 | 2 | 3,252.40 |
| 1/4 | 67.29 | 1/4 | 424.06 | 1/4 | 780.64 | 1/4 | 1,125.27 | 1/4 | 1,480.12 | 1/4 | 1,836.24 | 1/4 | 2,191.90 | 1/4 | 2,548.13 | 1/4 | 2,904.09 | 1/4 | 3,259.78 |
| 1/2 | 74.69 | 1/2 | 431.49 | 1/2 | 788.07 | 1/2 | 1,132.47 | 1/2 | 1,487.54 | 1/2 | 1,843.65 | 1/2 | 2,199.32 | 1/2 | 2,555.54 | 1/2 | 2,911.50 | 1/2 | 3,267.17 |
| 3/4 | 82.09 | 3/4 | 438.92 | 3/4 | 795.50 | 3/4 | 1,139.67 | 3/4 | 1,494.96 | 3/4 | 1,851.05 | 3/4 | 2,206.74 | 3/4 | 2,562.96 | 3/4 | 2,918.92 | 3/4 | 3,274.56 |
| 3 | 89.50 | 3 | 446.35 | 3 | 802.93 | 3 | 1,146.88 | 3 | 1,502.39 | 3 | 1,858.46 | 3 | 2,214.16 | 3 | 2,570.38 | 3 | 2,926.34 | 3 | 3,281.94 |
| 1/4 | 96.93 | 1/4 | 453.78 | 1/4 | 810.29 | 1/4 | 1,154.09 | 1/4 | 1,509.81 | 1/4 | 1,865.87 | 1/4 | 2,221.58 | 1/4 | 2,577.79 | 1/4 | 2,933.75 | 1/4 | 3,289.33 |
| 1/2 | 104.36 | 1/2 | 461.21 | 1/2 | 817.66 | 1/2 | 1,161.31 | 1/2 | 1,517.23 | 1/2 | 1,873.28 | 1/2 | 2,229.00 | 1/2 | 2,585.21 | 1/2 | 2,941.17 | 1/2 | 3,296.72 |
| 3/4 | 111.79 | 3/4 | 468.64 | 3/4 | 825.02 | 3/4 | 1,168.53 | 3/4 | 1,524.66 | 3/4 | 1,880.68 | 3/4 | 2,236.42 | 3/4 | 2,592.63 | 3/4 | 2,948.58 | 3/4 | 3,304.11 |
| 4 | 119.22 | 4 | 476.06 | 4 | 832.39 | 4 | 1,175.74 | 4 | 1,532.08 | 4 | 1,888.09 | 4 | 2,243.84 | 4 | 2,600.04 | 4 | 2,956.00 | 4 | 3,311.49 |
| 1/4 | 126.66 | 1/4 | 483.49 | 1/4 | 839.54 | 1/4 | 1,183.17 | 1/4 | 1,539.51 | 1/4 | 1,895.50 | 1/4 | 2,251.26 | 1/4 | 2,607.46 | 1/4 | 2,963.41 | 1/4 | 3,318.88 |
| 1/2 | 134.09 | 1/2 | 490.92 | 1/2 | 846.70 | 1/2 | 1,190.59 | 1/2 | 1,546.93 | 1/2 | 1,902.91 | 1/2 | 2,258.68 | 1/2 | 2,614.88 | 1/2 | 2,970.83 | 1/2 | 3,326.27 |
| 3/4 | 141.53 | 3/4 | 498.35 | 3/4 | 853.85 | 3/4 | 1,198.02 | 3/4 | 1,554.35 | 3/4 | 1,910.31 | 3/4 | 2,266.10 | 3/4 | 2,622.29 | 3/4 | 2,978.24 | 3/4 | 3,333.65 |
| 5 | 148.97 | 5 | 505.78 | 5 | 861.01 | 5 | 1,205.44 | 5 | 1,561.78 | 5 | 1,917.72 | 5 | 2,273.53 | 5 | 2,629.71 | 5 | 2,985.66 | 5 | 3,341.04 |
| 1/4 | 156.41 | 1/4 | 513.21 | 1/4 | 868.14 | 1/4 | 1,212.86 | 1/4 | 1,569.20 | 1/4 | 1,925.13 | 1/4 | 2,280.95 | 1/4 | 2,637.13 | 1/4 | 2,993.08 | 1/4 | 3,348.42 |
| 1/2 | 163.85 | 1/2 | 520.64 | 1/2 | 875.27 | 1/2 | 1,220.29 | 1/2 | 1,576.62 | 1/2 | 1,932.53 | 1/2 | 2,288.38 | 1/2 | 2,644.54 | 1/2 | 3,000.49 | 1/2 | 3,355.81 |
| 3/4 | 171.29 | 3/4 | 528.07 | 3/4 | 882.41 | 3/4 | 1,227.71 | 3/4 | 1,584.05 | 3/4 | 1,939.94 | 3/4 | 2,295.80 | 3/4 | 2,651.96 | 3/4 | 3,007.91 | 3/4 | 3,363.19 |
| 6 | 178.73 | 6 | 535.49 | 6 | 889.54 | 6 | 1,235.13 | 6 | 1,591.47 | 6 | 1,947.35 | 6 | 2,303.23 | 6 | 2,659.37 | 6 | 3,015.32 | 6 | 3,370.57 |
| 1/4 | 186.17 | 1/4 | 542.92 | 1/4 | 896.67 | 1/4 | 1,242.56 | 1/4 | 1,598.89 | 1/4 | 1,954.76 | 1/4 | 2,310.65 | 1/4 | 2,666.79 | 1/4 | 3,022.74 | 1/4 | 3,377.95 |
| 1/2 | 193.61 | 1/2 | 550.35 | 1/2 | 903.80 | 1/2 | 1,249.98 | 1/2 | 1,606.32 | 1/2 | 1,962.16 | 1/2 | 2,318.08 | 1/2 | 2,674.21 | 1/2 | 3,030.15 | 1/2 | 3,385.32 |
| 3/4 | 201.05 | 3/4 | 557.78 | 3/4 | 910.94 | 3/4 | 1,257.40 | 3/4 | 1,613.74 | 3/4 | 1,969.57 | 3/4 | 2,325.51 | 3/4 | 2,681.62 | 3/4 | 3,037.57 | 3/4 | 3,392.70 |
| 7 | 208.49 | 7 | 565.21 | 7 | 918.07 | 7 | 1,264.83 | 7 | 1,621.17 | 7 | 1,976.98 | 7 | 2,332.93 | 7 | 2,689.04 | 7 | 3,044.99 | 7 | 3,400.07 |
| 1/4 | 215.93 | 1/4 | 572.64 | 1/4 | 925.20 | 1/4 | 1,272.25 | 1/4 | 1,628.59 | 1/4 | 1,984.39 | 1/4 | 2,340.36 | 1/4 | 2,696.45 | 1/4 | 3,052.40 | 1/4 | 3,407.22 |
| 1/2 | 223.37 | 1/2 | 580.07 | 1/2 | 932.33 | 1/2 | 1,279.68 | 1/2 | 1,636.01 | 1/2 | 1,991.79 | 1/2 | 2,347.78 | 1/2 | 2,703.87 | 1/2 | 3,059.82 | 1/2 | 3,414.36 |
| 3/4 | 230.81 | 3/4 | 587.50 | 3/4 | 939.47 | 3/4 | 1,287.10 | 3/4 | 1,643.44 | 3/4 | 1,999.20 | 3/4 | 2,355.21 | 3/4 | 2,711.28 | 3/4 | 3,067.23 | 3/4 | 3,421.51 |
| 8 | 238.25 | 8 | 594.92 | 8 | 946.60 | 8 | 1,294.52 | 8 | 1,650.86 | 8 | 2,006.61 | 8 | 2,362.63 | 8 | 2,718.70 | 8 | 3,074.65 | 8 | 3,428.66 |
| 1/4 | 245.69 | 1/4 | 602.35 | 1/4 | 953.73 | 1/4 | 1,301.95 | 1/4 | 1,658.28 | 1/4 | 2,014.02 | 1/4 | 2,370.06 | 1/4 | 2,726.11 | 1/4 | 3,082.06 | 1/4 | 3,435.33 |
| 1/2 | 253.13 | 1/2 | 609.78 | 1/2 | 960.86 | 1/2 | 1,309.37 | 1/2 | 1,665.71 | 1/2 | 2,021.42 | 1/2 | 2,377.49 | 1/2 | 2,733.53 | 1/2 | 3,089.48 | 1/2 | 3,442.00 |
| 3/4 | 260.57 | 3/4 | 617.21 | 3/4 | 968.00 | 3/4 | 1,316.79 | 3/4 | 1,673.13 | 3/4 | 2,028.83 | 3/4 | 2,384.91 | 3/4 | 2,740.95 | 3/4 | 3,096.89 | 3/4 | 3,448.67 |
| 9 | 268.02 | 9 | 624.64 | 9 | 975.13 | 9 | 1,324.22 | 9 | 1,680.56 | 9 | 2,036.24 | 9 | 2,392.34 | 9 | 2,748.36 | 9 | 3,104.31 | 9 | 3,455.33 |
| 1/4 | 275.46 | 1/4 | 632.07 | 1/4 | 982.26 | 1/4 | 1,331.64 | 1/4 | 1,687.98 | 1/4 | 2,043.64 | 1/4 | 2,399.76 | 1/4 | 2,755.78 | 1/4 | 3,111.73 | 1/4 | 3,461.53 |
| 1/2 | 282.90 | 1/2 | 639.50 | 1/2 | 989.40 | 1/2 | 1,339.07 | 1/2 | 1,695.40 | 1/2 | 2,051.04 | 1/2 | 2,407.19 | 1/2 | 2,763.19 | 1/2 | 3,119.14 | 1/2 | 3,467.72 |
| 3/4 | 290.34 | 3/4 | 646.92 | 3/4 | 996.53 | 3/4 | 1,346.49 | 3/4 | 1,702.83 | 3/4 | 2,058.44 | 3/4 | 2,414.62 | 3/4 | 2,770.61 | 3/4 | 3,126.56 | 3/4 | 3,473.92 |
| 10 | 297.78 | 10 | 654.35 | 10 | 1,003.66 | 10 | 1,353.91 | 10 | 1,710.25 | 10 | 2,065.84 | 10 | 2,422.04 | 10 | 2,778.02 | 10 | 3,133.97 | 10 | 3,480.11 |
| 1/4 | 305.20 | 1/4 | 661.78 | 1/4 | 1,010.79 | 1/4 | 1,361.34 | 1/4 | 1,717.67 | 1/4 | 2,073.24 | 1/4 | 2,429.46 | 1/4 | 2,785.44 | 1/4 | 3,141.39 | 1/4 | 3,485.84 |
| 1/2 | 312.63 | 1/2 | 669.21 | 1/2 | 1,017.93 | 1/2 | 1,368.76 | 1/2 | 1,725.10 | 1/2 | 2,080.64 | 1/2 | 2,436.87 | 1/2 | 2,792.85 | 1/2 | 3,148.80 | 1/2 | 3,491.56 |
| 3/4 | 320.06 | 3/4 | 676.64 | 3/4 | 1,025.06 | 3/4 | 1,376.18 | 3/4 | 1,732.52 | 3/4 | 2,088.04 | 3/4 | 2,444.29 | 3/4 | 2,800.27 | 3/4 | 3,156.22 | 3/4 | 3,497.29 |
| 11 | 327.49 | 11 | 684.07 | 11 | 1,032.19 | 11 | 1,383.61 | 11 | 1,739.95 | 11 | 2,095.44 | 11 | 2,451.71 | 11 | 2,807.69 | 11 | 3,163.63 | 11 | 3,503.02 |
| 1/4 | 334.92 | 1/4 | 691.50 | 1/4 | 1,039.32 | 1/4 | 1,391.03 | 1/4 | 1,747.35 | 1/4 | 2,102.86 | 1/4 | 2,459.13 | 1/4 | 2,815.10 | 1/4 | 3,171.05 | 1/4 | 3,508.26 |
| 1/2 | 342.35 | 1/2 | 698.93 | 1/2 | 1,046.46 | 1/2 | 1,398.45 | 1/2 | 1,754.76 | 1/2 | 2,110.28 | 1/2 | 2,466.54 | 1/2 | 2,822.52 | 1/2 | 3,178.47 | 1/2 | 3,513.51 |
| 3/4 | 349.78 | 3/4 | 706.35 | 3/4 | 1,053.59 | 3/4 | 1,405.88 | 3/4 | 1,762.17 | 3/4 | 2,117.70 | 3/4 | 2,473.96 | 3/4 | 2,829.93 | 3/4 | 3,185.88 | 3/4 | 3,518.76 |

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
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD

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



BARGE "CTC 29101"

3 PORT

INNAGE TABLE HERMETIC

GAUGE HEIGHT 15'-09 3/4"

FORMERLY: E2MS 319

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 3,524.01 | 0 | 3,744.19 | 0 | 3,963.01 | 0 | 4,181.62 | 0 | 4,399.15 | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 3,528.81 | 1/4 | 3,748.76 | 1/4 | 3,967.56 | 1/4 | 4,186.18 | 1/4 | 4,403.62 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,533.62 | 1/2 | 3,753.32 | 1/2 | 3,972.12 | 1/2 | 4,190.73 | 1/2 | 4,408.08 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,538.43 | 3/4 | 3,757.89 | 3/4 | 3,976.67 | 3/4 | 4,195.29 | 3/4 | 4,412.55 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 3,543.23 | 1 | 3,762.46 | 1 | 3,981.23 | 1 | 4,199.84 | 1 | 4,417.02 | 1 | | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 3,547.80 | 1/4 | 3,767.03 | 1/4 | 3,985.78 | 1/4 | 4,204.40 | 1/4 | 4,420.96 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,552.37 | 1/2 | 3,771.59 | 1/2 | 3,990.34 | 1/2 | 4,208.95 | 1/2 | 4,424.90 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,556.93 | 3/4 | 3,776.16 | 3/4 | 3,994.89 | 3/4 | 4,213.51 | 3/4 | 4,428.84 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 3,561.50 | 2 | 3,780.73 | 2 | 3,999.44 | 2 | 4,218.06 | 2 | 4,432.78 | 2 | | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 3,566.07 | 1/4 | 3,785.29 | 1/4 | 4,004.00 | 1/4 | 4,222.62 | 1/4 | 4,435.95 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,570.64 | 1/2 | 3,789.86 | 1/2 | 4,008.55 | 1/2 | 4,227.17 | 1/2 | 4,439.13 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,575.20 | 3/4 | 3,794.43 | 3/4 | 4,013.11 | 3/4 | 4,231.72 | 3/4 | 4,442.31 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 3,579.77 | 3 | 3,799.00 | 3 | 4,017.66 | 3 | 4,236.28 | 3 | 4,445.49 | 3 | | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 3,584.34 | 1/4 | 3,803.56 | 1/4 | 4,022.22 | 1/4 | 4,240.83 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,588.90 | 1/2 | 3,808.13 | 1/2 | 4,026.77 | 1/2 | 4,245.39 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,593.47 | 3/4 | 3,812.70 | 3/4 | 4,031.33 | 3/4 | 4,249.94 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 3,598.04 | 4 | 3,817.26 | 4 | 4,035.88 | 4 | 4,254.50 | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 3,602.61 | 1/4 | 3,821.82 | 1/4 | 4,040.44 | 1/4 | 4,259.05 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,607.17 | 1/2 | 3,826.37 | 1/2 | 4,044.99 | 1/2 | 4,263.61 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,611.74 | 3/4 | 3,830.93 | 3/4 | 4,049.54 | 3/4 | 4,268.16 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 3,616.31 | 5 | 3,835.48 | 5 | 4,054.10 | 5 | 4,272.71 | 5 | | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 3,620.88 | 1/4 | 3,840.04 | 1/4 | 4,058.65 | 1/4 | 4,277.27 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,625.44 | 1/2 | 3,844.59 | 1/2 | 4,063.21 | 1/2 | 4,281.82 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,630.01 | 3/4 | 3,849.15 | 3/4 | 4,067.76 | 3/4 | 4,286.38 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 3,634.58 | 6 | 3,853.70 | 6 | 4,072.32 | 6 | 4,290.93 | 6 | | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 3,639.14 | 1/4 | 3,858.26 | 1/4 | 4,076.87 | 1/4 | 4,295.44 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,643.71 | 1/2 | 3,862.81 | 1/2 | 4,081.43 | 1/2 | 4,299.95 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,648.28 | 3/4 | 3,867.36 | 3/4 | 4,085.98 | 3/4 | 4,304.46 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 3,652.85 | 7 | 3,871.92 | 7 | 4,090.53 | 7 | 4,308.97 | 7 | | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 3,657.41 | 1/4 | 3,876.47 | 1/4 | 4,095.09 | 1/4 | 4,313.48 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,661.98 | 1/2 | 3,881.03 | 1/2 | 4,099.64 | 1/2 | 4,317.99 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,666.55 | 3/4 | 3,885.58 | 3/4 | 4,104.20 | 3/4 | 4,322.50 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 3,671.11 | 8 | 3,890.14 | 8 | 4,108.75 | 8 | 4,327.01 | 8 | | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 3,675.68 | 1/4 | 3,894.69 | 1/4 | 4,113.31 | 1/4 | 4,331.52 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,680.25 | 1/2 | 3,899.25 | 1/2 | 4,117.86 | 1/2 | 4,336.03 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,684.82 | 3/4 | 3,903.80 | 3/4 | 4,122.42 | 3/4 | 4,340.54 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 3,689.38 | 9 | 3,908.35 | 9 | 4,126.97 | 9 | 4,345.05 | 9 | | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 3,693.95 | 1/4 | 3,912.91 | 1/4 | 4,131.53 | 1/4 | 4,349.56 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,698.52 | 1/2 | 3,917.46 | 1/2 | 4,136.08 | 1/2 | 4,354.08 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,703.08 | 3/4 | 3,922.02 | 3/4 | 4,140.63 | 3/4 | 4,358.59 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 3,707.65 | 10 | 3,926.57 | 10 | 4,145.19 | 10 | 4,363.10 | 10 | | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 3,712.22 | 1/4 | 3,931.13 | 1/4 | 4,149.74 | 1/4 | 4,367.61 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,716.79 | 1/2 | 3,935.68 | 1/2 | 4,154.30 | 1/2 | 4,372.12 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,721.35 | 3/4 | 3,940.24 | 3/4 | 4,158.85 | 3/4 | 4,376.63 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 3,725.92 | 11 | 3,944.79 | 11 | 4,163.41 | 11 | 4,381.14 | 11 | | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 3,730.49 | 1/4 | 3,949.35 | 1/4 | 4,167.96 | 1/4 | 4,385.64 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,735.06 | 1/2 | 3,953.90 | 1/2 | 4,172.52 | 1/2 | 4,390.14 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,739.62 | 3/4 | 3,958.45 | 3/4 | 4,177.07 | 3/4 | 4,394.65 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/16/2020 CL
CALCULATED: 03/17/2020 CL
PRINTED: 03/19/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2020

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



BARGE "CTC 29101"

3 STBD INNAGE TABLE

HERMETIC GAUGE HEIGHT 15'-08 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: E2MS 319

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|-----|--------|-----|--------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| 0 | 15.29 | 0 | 358.29 | 0 | 716.41 | 0 | 1,074.13 | 0 | 1,432.16 | 0 | 1,790.30 | 0 | 2,148.43 | 0 | 2,506.49 | 0 | 2,864.15 | 0 | 3,221.78 |
| 1/4 | 19.95 | 1/4 | 365.75 | 1/4 | 723.87 | 1/4 | 1,081.58 | 1/4 | 1,439.62 | 1/4 | 1,797.76 | 1/4 | 2,155.89 | 1/4 | 2,513.94 | 1/4 | 2,901.60 | 1/4 | 3,229.21 |
| 1/2 | 24.61 | 1/2 | 373.21 | 1/2 | 731.33 | 1/2 | 1,089.03 | 1/2 | 1,447.08 | 1/2 | 1,805.22 | 1/2 | 2,163.35 | 1/2 | 2,521.39 | 1/2 | 2,879.05 | 1/2 | 3,236.63 |
| 3/4 | 29.28 | 3/4 | 380.67 | 3/4 | 738.80 | 3/4 | 1,096.47 | 3/4 | 1,454.55 | 3/4 | 1,812.68 | 3/4 | 2,170.81 | 3/4 | 2,528.84 | 3/4 | 2,886.50 | 3/4 | 3,244.05 |
| 1 | 33.94 | 1 | 388.13 | 1 | 746.26 | 1 | 1,103.92 | 1 | 1,462.01 | 1 | 1,820.14 | 1 | 2,178.27 | 1 | 2,536.29 | 1 | 2,893.95 | 1 | 3,251.47 |
| 1/4 | 40.47 | 1/4 | 395.59 | 1/4 | 753.72 | 1/4 | 1,111.37 | 1/4 | 1,469.47 | 1/4 | 1,827.60 | 1/4 | 2,185.73 | 1/4 | 2,543.75 | 1/4 | 2,901.40 | 1/4 | 3,258.90 |
| 1/2 | 46.99 | 1/2 | 403.05 | 1/2 | 761.18 | 1/2 | 1,118.83 | 1/2 | 1,476.93 | 1/2 | 1,835.06 | 1/2 | 2,193.19 | 1/2 | 2,551.20 | 1/2 | 2,908.85 | 1/2 | 3,266.32 |
| 3/4 | 53.52 | 3/4 | 410.52 | 3/4 | 768.64 | 3/4 | 1,126.29 | 3/4 | 1,484.39 | 3/4 | 1,842.52 | 3/4 | 2,200.66 | 3/4 | 2,558.65 | 3/4 | 2,916.30 | 3/4 | 3,273.74 |
| 2 | 60.05 | 2 | 417.98 | 2 | 776.10 | 2 | 1,133.74 | 2 | 1,491.85 | 2 | 1,849.98 | 2 | 2,208.12 | 2 | 2,566.10 | 2 | 2,923.75 | 2 | 3,281.16 |
| 1/4 | 67.47 | 1/4 | 425.44 | 1/4 | 783.56 | 1/4 | 1,141.20 | 1/4 | 1,499.31 | 1/4 | 1,857.45 | 1/4 | 2,215.58 | 1/4 | 2,573.55 | 1/4 | 2,931.20 | 1/4 | 3,288.58 |
| 1/2 | 74.90 | 1/2 | 432.90 | 1/2 | 791.02 | 1/2 | 1,148.65 | 1/2 | 1,506.77 | 1/2 | 1,864.91 | 1/2 | 2,223.04 | 1/2 | 2,581.00 | 1/2 | 2,938.65 | 1/2 | 3,296.01 |
| 3/4 | 82.32 | 3/4 | 440.36 | 3/4 | 798.48 | 3/4 | 1,156.11 | 3/4 | 1,514.23 | 3/4 | 1,872.37 | 3/4 | 2,230.50 | 3/4 | 2,588.46 | 3/4 | 2,946.10 | 3/4 | 3,303.43 |
| 3 | 89.74 | 3 | 447.82 | 3 | 805.94 | 3 | 1,163.56 | 3 | 1,521.70 | 3 | 1,879.83 | 3 | 2,237.96 | 3 | 2,595.91 | 3 | 2,953.55 | 3 | 3,310.85 |
| 1/4 | 97.20 | 1/4 | 455.28 | 1/4 | 813.40 | 1/4 | 1,171.02 | 1/4 | 1,529.16 | 1/4 | 1,887.29 | 1/4 | 2,245.42 | 1/4 | 2,603.36 | 1/4 | 2,961.01 | 1/4 | 3,318.27 |
| 1/2 | 104.65 | 1/2 | 462.74 | 1/2 | 820.86 | 1/2 | 1,178.49 | 1/2 | 1,536.62 | 1/2 | 1,894.75 | 1/2 | 2,252.88 | 1/2 | 2,610.81 | 1/2 | 2,968.46 | 1/2 | 3,325.70 |
| 3/4 | 112.10 | 3/4 | 470.20 | 3/4 | 828.33 | 3/4 | 1,185.95 | 3/4 | 1,544.08 | 3/4 | 1,902.21 | 3/4 | 2,260.34 | 3/4 | 2,618.26 | 3/4 | 2,975.91 | 3/4 | 3,333.12 |
| 4 | 119.55 | 4 | 477.66 | 4 | 835.79 | 4 | 1,193.41 | 4 | 1,551.54 | 4 | 1,909.67 | 4 | 2,267.81 | 4 | 2,625.72 | 4 | 2,983.36 | 4 | 3,340.54 |
| 1/4 | 127.01 | 1/4 | 485.12 | 1/4 | 843.25 | 1/4 | 1,200.87 | 1/4 | 1,559.00 | 1/4 | 1,917.13 | 1/4 | 2,275.27 | 1/4 | 2,633.17 | 1/4 | 2,990.81 | 1/4 | 3,347.96 |
| 1/2 | 134.46 | 1/2 | 492.59 | 1/2 | 850.71 | 1/2 | 1,208.33 | 1/2 | 1,566.46 | 1/2 | 1,924.60 | 1/2 | 2,282.73 | 1/2 | 2,640.62 | 1/2 | 2,998.26 | 1/2 | 3,355.38 |
| 3/4 | 141.92 | 3/4 | 500.05 | 3/4 | 858.17 | 3/4 | 1,215.79 | 3/4 | 1,573.92 | 3/4 | 1,932.06 | 3/4 | 2,290.19 | 3/4 | 2,648.07 | 3/4 | 3,005.71 | 3/4 | 3,362.81 |
| 5 | 149.38 | 5 | 507.51 | 5 | 865.63 | 5 | 1,223.25 | 5 | 1,581.38 | 5 | 1,939.52 | 5 | 2,297.65 | 5 | 2,655.52 | 5 | 3,013.16 | 5 | 3,370.23 |
| 1/4 | 156.84 | 1/4 | 514.97 | 1/4 | 873.08 | 1/4 | 1,230.71 | 1/4 | 1,588.85 | 1/4 | 1,946.98 | 1/4 | 2,305.11 | 1/4 | 2,662.97 | 1/4 | 3,020.61 | 1/4 | 3,377.65 |
| 1/2 | 164.31 | 1/2 | 522.43 | 1/2 | 880.52 | 1/2 | 1,238.17 | 1/2 | 1,596.31 | 1/2 | 1,954.44 | 1/2 | 2,312.57 | 1/2 | 2,670.42 | 1/2 | 3,028.06 | 1/2 | 3,385.07 |
| 3/4 | 171.77 | 3/4 | 529.89 | 3/4 | 887.97 | 3/4 | 1,245.64 | 3/4 | 1,603.77 | 3/4 | 1,961.90 | 3/4 | 2,320.03 | 3/4 | 2,677.88 | 3/4 | 3,035.51 | 3/4 | 3,392.48 |
| 6 | 179.23 | 6 | 537.35 | 6 | 895.42 | 6 | 1,253.10 | 6 | 1,611.23 | 6 | 1,969.36 | 6 | 2,327.49 | 6 | 2,685.33 | 6 | 3,042.96 | 6 | 3,399.90 |
| 1/4 | 186.69 | 1/4 | 544.81 | 1/4 | 902.86 | 1/4 | 1,260.56 | 1/4 | 1,618.69 | 1/4 | 1,976.82 | 1/4 | 2,334.96 | 1/4 | 2,692.78 | 1/4 | 3,050.42 | 1/4 | 3,407.31 |
| 1/2 | 194.15 | 1/2 | 552.27 | 1/2 | 910.31 | 1/2 | 1,268.02 | 1/2 | 1,626.15 | 1/2 | 1,984.28 | 1/2 | 2,342.42 | 1/2 | 2,700.23 | 1/2 | 3,057.87 | 1/2 | 3,414.72 |
| 3/4 | 201.61 | 3/4 | 559.73 | 3/4 | 917.76 | 3/4 | 1,275.48 | 3/4 | 1,633.61 | 3/4 | 1,991.75 | 3/4 | 2,349.88 | 3/4 | 2,707.68 | 3/4 | 3,065.32 | 3/4 | 3,422.13 |
| 7 | 209.07 | 7 | 567.19 | 7 | 925.20 | 7 | 1,282.94 | 7 | 1,641.07 | 7 | 1,999.21 | 7 | 2,357.34 | 7 | 2,715.13 | 7 | 3,072.77 | 7 | 3,429.54 |
| 1/4 | 216.53 | 1/4 | 574.66 | 1/4 | 932.65 | 1/4 | 1,290.40 | 1/4 | 1,648.53 | 1/4 | 2,006.67 | 1/4 | 2,364.80 | 1/4 | 2,722.58 | 1/4 | 3,080.22 | 1/4 | 3,436.96 |
| 1/2 | 223.99 | 1/2 | 582.12 | 1/2 | 940.10 | 1/2 | 1,297.86 | 1/2 | 1,656.00 | 1/2 | 2,014.13 | 1/2 | 2,372.26 | 1/2 | 2,730.03 | 1/2 | 3,087.67 | 1/2 | 3,443.90 |
| 3/4 | 231.45 | 3/4 | 589.58 | 3/4 | 947.54 | 3/4 | 1,305.32 | 3/4 | 1,663.46 | 3/4 | 2,021.59 | 3/4 | 2,379.72 | 3/4 | 2,737.48 | 3/4 | 3,095.12 | 3/4 | 3,451.08 |
| 8 | 238.91 | 8 | 597.04 | 8 | 954.99 | 8 | 1,312.79 | 8 | 1,670.92 | 8 | 2,029.05 | 8 | 2,387.18 | 8 | 2,744.93 | 8 | 3,102.57 | 8 | 3,458.26 |
| 1/4 | 246.38 | 1/4 | 604.50 | 1/4 | 962.43 | 1/4 | 1,320.25 | 1/4 | 1,678.38 | 1/4 | 2,036.51 | 1/4 | 2,394.64 | 1/4 | 2,752.38 | 1/4 | 3,110.02 | 1/4 | 3,464.97 |
| 1/2 | 253.84 | 1/2 | 611.96 | 1/2 | 969.88 | 1/2 | 1,327.71 | 1/2 | 1,685.84 | 1/2 | 2,043.97 | 1/2 | 2,402.11 | 1/2 | 2,759.83 | 1/2 | 3,117.47 | 1/2 | 3,471.67 |
| 3/4 | 261.30 | 3/4 | 619.42 | 3/4 | 977.33 | 3/4 | 1,335.17 | 3/4 | 1,693.30 | 3/4 | 2,051.43 | 3/4 | 2,409.57 | 3/4 | 2,767.28 | 3/4 | 3,124.92 | 3/4 | 3,478.37 |
| 9 | 268.76 | 9 | 626.88 | 9 | 984.77 | 9 | 1,342.63 | 9 | 1,700.76 | 9 | 2,058.90 | 9 | 2,417.03 | 9 | 2,774.74 | 9 | 3,132.37 | 9 | 3,485.08 |
| 1/4 | 276.22 | 1/4 | 634.34 | 1/4 | 992.22 | 1/4 | 1,350.09 | 1/4 | 1,708.22 | 1/4 | 2,066.36 | 1/4 | 2,424.49 | 1/4 | 2,782.19 | 1/4 | 3,139.82 | 1/4 | 3,491.30 |
| 1/2 | 283.68 | 1/2 | 641.80 | 1/2 | 999.67 | 1/2 | 1,357.55 | 1/2 | 1,715.68 | 1/2 | 2,073.82 | 1/2 | 2,431.95 | 1/2 | 2,789.64 | 1/2 | 3,147.28 | 1/2 | 3,497.52 |
| 3/4 | 291.14 | 3/4 | 649.26 | 3/4 | 1,007.11 | 3/4 | 1,365.01 | 3/4 | 1,723.15 | 3/4 | 2,081.28 | 3/4 | 2,439.41 | 3/4 | 2,797.09 | 3/4 | 3,154.73 | 3/4 | 3,503.74 |
| 10 | 298.60 | 10 | 656.73 | 10 | 1,014.56 | 10 | 1,372.47 | 10 | 1,730.61 | 10 | 2,088.74 | 10 | 2,446.87 | 10 | 2,804.54 | 10 | 3,162.18 | 10 | 3,509.97 |
| 1/4 | 306.06 | 1/4 | 664.19 | 1/4 | 1,022.01 | 1/4 | 1,379.94 | 1/4 | 1,738.07 | 1/4 | 2,096.20 | 1/4 | 2,454.32 | 1/4 | 2,811.99 | 1/4 | 3,169.63 | 1/4 | 3,515.71 |
| 1/2 | 313.52 | 1/2 | 671.65 | 1/2 | 1,029.45 | 1/2 | 1,387.40 | 1/2 | 1,745.53 | 1/2 | 2,103.66 | 1/2 | 2,461.78 | 1/2 | 2,819.44 | 1/2 | 3,177.08 | 1/2 | 3,521.45 |
| 3/4 | 320.98 | 3/4 | 679.11 | 3/4 | 1,036.90 | 3/4 | 1,394.86 | 3/4 | 1,752.99 | 3/4 | 2,111.12 | 3/4 | 2,469.23 | 3/4 | 2,826.89 | 3/4 | 3,184.53 | 3/4 | 3,527.19 |
| 11 | 328.45 | 11 | 686.57 | 11 | 1,044.35 | 11 | 1,402.32 | 11 | 1,760.45 | 11 | 2,118.58 | 11 | 2,476.68 | 11 | 2,834.34 | 11 | 3,191.98 | 11 | 3,532.94 |
| 1/4 | 335.91 | 1/4 | 694.03 | 1/4 | 1,051.79 | 1/4 | 1,409.78 | 1/4 | 1,767.91 | 1/4 | 2,126.05 | 1/4 | 2,484.13 | 1/4 | 2,841.79 | 1/4 | 3,199.43 | 1/4 | 3,538.20 |
| 1/2 | 343.37 | 1/2 | 701.49 | 1/2 | 1,059.24 | 1/2 | 1,417.24 | 1/2 | 1,775.37 | 1/2 | 2,133.51 | 1/2 | 2,491.58 | 1/2 | 2,849.24 | 1/2 | 3,206.88 | 1/2 | 3,543.46 |
| 3/4 | 350.83 | 3/4 | 708.95 | 3/4 | 1,066.69 | 3/4 | 1,424.70 | 3/4 | 1,782.83 | 3/4 | 2,140.97 | 3/4 | 2,499.03 | 3/4 | 2,856.69 | 3/4 | 3,214.33 | 3/4 | 3,548.73 |

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
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "CTC 29101"

3 STBD

INNAGE TABLE HERMETIC

GAUGE HEIGHT 15'-08 3/4"

FORMERLY: E2MS 319

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 3,553.99 | 0 | 3,774.81 | 0 | 3,994.27 | 0 | 4,213.53 | 0 | 4,431.68 | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 3,558.81 | 1/4 | 3,779.39 | 1/4 | 3,998.84 | 1/4 | 4,218.10 | 1/4 | 4,436.16 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,563.63 | 1/2 | 3,783.97 | 1/2 | 4,003.41 | 1/2 | 4,222.67 | 1/2 | 4,440.64 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,568.45 | 3/4 | 3,788.55 | 3/4 | 4,007.98 | 3/4 | 4,227.24 | 3/4 | 4,445.12 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 3,573.27 | 1 | 3,793.13 | 1 | 4,012.54 | 1 | 4,231.80 | 1 | 4,449.60 | 1 | | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 3,577.85 | 1/4 | 3,797.71 | 1/4 | 4,017.11 | 1/4 | 4,236.37 | 1/4 | 4,453.55 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,582.43 | 1/2 | 3,802.30 | 1/2 | 4,021.68 | 1/2 | 4,240.94 | 1/2 | 4,457.50 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,587.01 | 3/4 | 3,806.88 | 3/4 | 4,026.25 | 3/4 | 4,245.51 | 3/4 | 4,461.46 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 3,591.59 | 2 | 3,811.46 | 2 | 4,030.82 | 2 | 4,250.08 | 2 | 4,465.41 | 2 | | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 3,596.17 | 1/4 | 3,816.04 | 1/4 | 4,035.38 | 1/4 | 4,254.64 | 1/4 | 4,468.59 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,600.75 | 1/2 | 3,820.62 | 1/2 | 4,039.95 | 1/2 | 4,259.21 | 1/2 | 4,471.78 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,605.33 | 3/4 | 3,825.20 | 3/4 | 4,044.52 | 3/4 | 4,263.78 | 3/4 | 4,474.97 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 3,609.91 | 3 | 3,829.78 | 3 | 4,049.09 | 3 | 4,268.35 | 3 | 4,478.16 | 3 | | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 3,614.49 | 1/4 | 3,834.36 | 1/4 | 4,053.66 | 1/4 | 4,272.92 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,619.08 | 1/2 | 3,838.94 | 1/2 | 4,058.22 | 1/2 | 4,277.48 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,623.66 | 3/4 | 3,843.52 | 3/4 | 4,062.79 | 3/4 | 4,282.05 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 3,628.24 | 4 | 3,848.10 | 4 | 4,067.36 | 4 | 4,286.62 | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 3,632.82 | 1/4 | 3,852.67 | 1/4 | 4,071.93 | 1/4 | 4,291.19 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,637.40 | 1/2 | 3,857.24 | 1/2 | 4,076.50 | 1/2 | 4,295.75 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,641.98 | 3/4 | 3,861.80 | 3/4 | 4,081.06 | 3/4 | 4,300.32 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 3,646.56 | 5 | 3,866.37 | 5 | 4,085.63 | 5 | 4,304.89 | 5 | | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 3,651.14 | 1/4 | 3,870.94 | 1/4 | 4,090.20 | 1/4 | 4,309.46 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,655.72 | 1/2 | 3,875.51 | 1/2 | 4,094.77 | 1/2 | 4,314.03 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,660.30 | 3/4 | 3,880.08 | 3/4 | 4,099.33 | 3/4 | 4,318.59 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 3,664.88 | 6 | 3,884.64 | 6 | 4,103.90 | 6 | 4,323.16 | 6 | | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 3,669.46 | 1/4 | 3,889.21 | 1/4 | 4,108.47 | 1/4 | 4,327.68 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,674.04 | 1/2 | 3,893.78 | 1/2 | 4,113.04 | 1/2 | 4,332.21 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,678.62 | 3/4 | 3,898.35 | 3/4 | 4,117.61 | 3/4 | 4,336.73 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 3,683.20 | 7 | 3,902.92 | 7 | 4,122.17 | 7 | 4,341.25 | 7 | | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 3,687.78 | 1/4 | 3,907.48 | 1/4 | 4,126.74 | 1/4 | 4,345.78 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,692.36 | 1/2 | 3,912.05 | 1/2 | 4,131.31 | 1/2 | 4,350.30 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,696.94 | 3/4 | 3,916.62 | 3/4 | 4,135.88 | 3/4 | 4,354.82 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 3,701.52 | 8 | 3,921.19 | 8 | 4,140.45 | 8 | 4,359.34 | 8 | | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 3,706.10 | 1/4 | 3,925.75 | 1/4 | 4,145.01 | 1/4 | 4,363.87 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,710.69 | 1/2 | 3,930.32 | 1/2 | 4,149.58 | 1/2 | 4,368.39 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,715.27 | 3/4 | 3,934.89 | 3/4 | 4,154.15 | 3/4 | 4,372.91 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 3,719.85 | 9 | 3,939.46 | 9 | 4,158.72 | 9 | 4,377.44 | 9 | | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 3,724.43 | 1/4 | 3,944.03 | 1/4 | 4,163.29 | 1/4 | 4,381.96 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,729.01 | 1/2 | 3,948.59 | 1/2 | 4,167.85 | 1/2 | 4,386.48 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,733.59 | 3/4 | 3,953.16 | 3/4 | 4,172.42 | 3/4 | 4,391.01 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 3,738.17 | 10 | 3,957.73 | 10 | 4,176.99 | 10 | 4,395.53 | 10 | | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 3,742.75 | 1/4 | 3,962.30 | 1/4 | 4,181.56 | 1/4 | 4,400.05 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,747.33 | 1/2 | 3,966.87 | 1/2 | 4,186.12 | 1/2 | 4,404.58 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,751.91 | 3/4 | 3,971.43 | 3/4 | 4,190.69 | 3/4 | 4,409.10 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 3,756.49 | 11 | 3,976.00 | 11 | 4,195.26 | 11 | 4,413.62 | 11 | | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 3,761.07 | 1/4 | 3,980.57 | 1/4 | 4,199.83 | 1/4 | 4,418.14 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,765.65 | 1/2 | 3,985.14 | 1/2 | 4,204.40 | 1/2 | 4,422.65 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,770.23 | 3/4 | 3,989.71 | 3/4 | 4,208.96 | 3/4 | 4,427.17 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/16/2020 CL
CALCULATED: 03/17/2020 CL
PRINTED: 03/19/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2020

PRECISION MEASUREMENT
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BARGE "CTC 29101"

SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY: E2MS 319

GAUGE HEIGHT 5'- 08 1/2"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|
| 0 | 0 | 0 | 433 | 0 | 1,021 | 0 | 1,641 | 0 | 2,206 | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 5 | 1/4 | 444 | 1/4 | 1,034 | 1/4 | 1,653 | 1/4 | 2,216 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 11 | 1/2 | 456 | 1/2 | 1,047 | 1/2 | 1,666 | 1/2 | 2,227 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 16 | 3/4 | 467 | 3/4 | 1,060 | 3/4 | 1,678 | 3/4 | 2,237 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 21 | 1 | 479 | 1 | 1,073 | 1 | 1,691 | 1 | 2,247 | 1 | | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 28 | 1/4 | 490 | 1/4 | 1,086 | 1/4 | 1,703 | 1/4 | 2,257 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 35 | 1/2 | 502 | 1/2 | 1,099 | 1/2 | 1,716 | 1/2 | 2,267 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 41 | 3/4 | 513 | 3/4 | 1,111 | 3/4 | 1,729 | 3/4 | 2,277 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 48 | 2 | 525 | 2 | 1,124 | 2 | 1,741 | 2 | 2,287 | 2 | | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 56 | 1/4 | 537 | 1/4 | 1,137 | 1/4 | 1,753 | 1/4 | 2,297 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 63 | 1/2 | 549 | 1/2 | 1,150 | 1/2 | 1,766 | 1/2 | 2,306 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 71 | 3/4 | 560 | 3/4 | 1,163 | 3/4 | 1,778 | 3/4 | 2,316 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 78 | 3 | 572 | 3 | 1,176 | 3 | 1,791 | 3 | 2,326 | 3 | | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 86 | 1/4 | 584 | 1/4 | 1,189 | 1/4 | 1,803 | 1/4 | 2,335 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 95 | 1/2 | 596 | 1/2 | 1,202 | 1/2 | 1,815 | 1/2 | 2,344 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 103 | 3/4 | 608 | 3/4 | 1,215 | 3/4 | 1,827 | 3/4 | 2,353 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 111 | 4 | 620 | 4 | 1,228 | 4 | 1,840 | 4 | 2,362 | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 120 | 1/4 | 632 | 1/4 | 1,241 | 1/4 | 1,852 | 1/4 | 2,371 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 128 | 1/2 | 644 | 1/2 | 1,254 | 1/2 | 1,864 | 1/2 | 2,380 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 137 | 3/4 | 656 | 3/4 | 1,267 | 3/4 | 1,876 | 3/4 | 2,389 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 146 | 5 | 669 | 5 | 1,280 | 5 | 1,888 | 5 | 2,397 | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 155 | 1/4 | 681 | 1/4 | 1,293 | 1/4 | 1,900 | 1/4 | 2,406 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 164 | 1/2 | 693 | 1/2 | 1,306 | 1/2 | 1,912 | 1/2 | 2,414 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 173 | 3/4 | 705 | 3/4 | 1,319 | 3/4 | 1,924 | 3/4 | 2,422 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 183 | 6 | 718 | 6 | 1,332 | 6 | 1,936 | 6 | 2,430 | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 192 | 1/4 | 730 | 1/4 | 1,345 | 1/4 | 1,948 | 1/4 | 2,438 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 202 | 1/2 | 742 | 1/2 | 1,358 | 1/2 | 1,960 | 1/2 | 2,445 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 211 | 3/4 | 755 | 3/4 | 1,371 | 3/4 | 1,971 | 3/4 | 2,453 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 221 | 7 | 767 | 7 | 1,384 | 7 | 1,983 | 7 | 2,460 | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 231 | 1/4 | 780 | 1/4 | 1,397 | 1/4 | 1,995 | 1/4 | 2,467 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 241 | 1/2 | 792 | 1/2 | 1,410 | 1/2 | 2,006 | 1/2 | 2,473 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 251 | 3/4 | 805 | 3/4 | 1,423 | 3/4 | 2,018 | 3/4 | 2,480 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 261 | 8 | 817 | 8 | 1,436 | 8 | 2,030 | 8 | 2,487 | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 271 | 1/4 | 830 | 1/4 | 1,449 | 1/4 | 2,041 | 1/4 | 2,492 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 282 | 1/2 | 843 | 1/2 | 1,461 | 1/2 | 2,052 | 1/2 | 2,498 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 292 | 3/4 | 855 | 3/4 | 1,474 | 3/4 | 2,064 | 3/4 | 2,503 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 302 | 9 | 868 | 9 | 1,487 | 9 | 2,075 | 9 | 2,508 | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 313 | 1/4 | 880 | 1/4 | 1,500 | 1/4 | 2,086 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 324 | 1/2 | 893 | 1/2 | 1,513 | 1/2 | 2,098 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 334 | 3/4 | 906 | 3/4 | 1,526 | 3/4 | 2,109 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 345 | 10 | 919 | 10 | 1,539 | 10 | 2,120 | 10 | | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 356 | 1/4 | 931 | 1/4 | 1,551 | 1/4 | 2,131 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 367 | 1/2 | 944 | 1/2 | 1,564 | 1/2 | 2,142 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 378 | 3/4 | 957 | 3/4 | 1,577 | 3/4 | 2,153 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 388 | 11 | 970 | 11 | 1,590 | 11 | 2,163 | 11 | | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 400 | 1/4 | 983 | 1/4 | 1,602 | 1/4 | 2,174 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 411 | 1/2 | 995 | 1/2 | 1,615 | 1/2 | 2,185 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 422 | 3/4 | 1,008 | 3/4 | 1,628 | 3/4 | 2,195 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

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
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES

STRAPPED: 03/16/2020 CL
CALCULATED: 03/17/2020 CL
PRINTED: 03/19/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CTC 29101"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY: E2MS 319

GAUGE HEIGHT 4'-06"

| 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 | 100 | 0 | 257 | 0 | 412 | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 1 | 1/4 | 103 | 1/4 | 260 | 1/4 | 415 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1 | 1/2 | 106 | 1/2 | 263 | 1/2 | 417 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2 | 3/4 | 109 | 3/4 | 267 | 3/4 | 420 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 3 | 1 | 112 | 1 | 270 | 1 | 423 | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 4 | 1/4 | 115 | 1/4 | 273 | 1/4 | 426 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 5 | 1/2 | 119 | 1/2 | 277 | 1/2 | 429 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 6 | 3/4 | 122 | 3/4 | 280 | 3/4 | 431 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 7 | 2 | 125 | 2 | 284 | 2 | 434 | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 9 | 1/4 | 128 | 1/4 | 287 | 1/4 | 437 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 10 | 1/2 | 131 | 1/2 | 290 | 1/2 | 440 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 12 | 3/4 | 134 | 3/4 | 294 | 3/4 | 442 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 13 | 3 | 137 | 3 | 297 | 3 | 445 | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 15 | 1/4 | 140 | 1/4 | 300 | 1/4 | 447 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 17 | 1/2 | 144 | 1/2 | 304 | 1/2 | 450 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 19 | 3/4 | 147 | 3/4 | 307 | 3/4 | 452 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 20 | 4 | 150 | 4 | 311 | 4 | 455 | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 22 | 1/4 | 153 | 1/4 | 314 | 1/4 | 457 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 24 | 1/2 | 156 | 1/2 | 317 | 1/2 | 460 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 26 | 3/4 | 160 | 3/4 | 320 | 3/4 | 462 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 28 | 5 | 163 | 5 | 324 | 5 | 465 | 5 | | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 31 | 1/4 | 166 | 1/4 | 327 | 1/4 | 467 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 33 | 1/2 | 169 | 1/2 | 330 | 1/2 | 469 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 35 | 3/4 | 173 | 3/4 | 334 | 3/4 | 471 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 37 | 6 | 176 | 6 | 337 | 6 | 474 | 6 | | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 39 | 1/4 | 179 | 1/4 | 340 | 1/4 | 476 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 42 | 1/2 | 183 | 1/2 | 343 | 1/2 | 478 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 44 | 3/4 | 186 | 3/4 | 347 | 3/4 | 480 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 46 | 7 | 189 | 7 | 350 | 7 | 482 | 7 | | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 49 | 1/4 | 192 | 1/4 | 353 | 1/4 | 484 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 51 | 1/2 | 196 | 1/2 | 356 | 1/2 | 486 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 54 | 3/4 | 199 | 3/4 | 360 | 3/4 | 488 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 56 | 8 | 202 | 8 | 363 | 8 | 489 | 8 | | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 59 | 1/4 | 206 | 1/4 | 366 | 1/4 | 491 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 62 | 1/2 | 209 | 1/2 | 369 | 1/2 | 493 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 64 | 3/4 | 213 | 3/4 | 372 | 3/4 | 494 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 67 | 9 | 216 | 9 | 375 | 9 | 496 | 9 | | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 69 | 1/4 | 219 | 1/4 | 379 | 1/4 | 497 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 72 | 1/2 | 223 | 1/2 | 382 | 1/2 | 499 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 75 | 3/4 | 226 | 3/4 | 385 | 3/4 | 500 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 78 | 10 | 229 | 10 | 388 | 10 | 502 | 10 | | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 80 | 1/4 | 233 | 1/4 | 391 | 1/4 | 502 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 83 | 1/2 | 236 | 1/2 | 394 | 1/2 | 502 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 86 | 3/4 | 240 | 3/4 | 397 | 3/4 | 502 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 89 | 11 | 243 | 11 | 400 | 11 | 502 | 11 | | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 92 | 1/4 | 246 | 1/4 | 403 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 95 | 1/2 | 250 | 1/2 | 406 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 98 | 3/4 | 253 | 3/4 | 409 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

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
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.

STRAPPED: 03/16/2020 CL
CALCULATED: 03/17/2020 CL
PRINTED: 03/19/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CTC 29101"

ULLAGE (HERMETIC)
FORMERLY: E2MS 319

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 235'-09"

March 16, 2020

PRECISION MEASUREMENT
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BARGE "CTC 29101"

1 PORT ULLAGE TABLE

HERMETIC GAUGE HEIGHT 15'-09 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: E2MS 319

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|-----|-------|-----|-------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| 0 | 0 | 0 | 0 | 0 | 4,883.29 | 0 | 4,526.92 | 0 | 4,169.45 | 0 | 3,811.44 | 0 | 3,452.92 | 0 | 3,094.41 | 0 | 2,735.90 | 0 | 2,377.33 |
| 1/4 | | 1/4 | | 1/4 | 4,875.92 | 1/4 | 4,519.47 | 1/4 | 4,162.00 | 1/4 | 3,803.97 | 1/4 | 3,445.46 | 1/4 | 3,086.94 | 1/4 | 2,728.43 | 1/4 | 2,369.86 |
| 1/2 | | 1/2 | | 1/2 | 4,868.54 | 1/2 | 4,512.03 | 1/2 | 4,154.55 | 1/2 | 3,796.50 | 1/2 | 3,437.99 | 1/2 | 3,079.47 | 1/2 | 2,720.96 | 1/2 | 2,362.39 |
| 3/4 | | 3/4 | | 3/4 | 4,861.17 | 3/4 | 4,504.58 | 3/4 | 4,147.11 | 3/4 | 3,789.03 | 3/4 | 3,430.52 | 3/4 | 3,072.01 | 3/4 | 2,713.49 | 3/4 | 2,354.91 |
| 1 | 1 | 1 | 1 | 1 | 4,853.79 | 1 | 4,497.13 | 1 | 4,139.66 | 1 | 3,781.56 | 1 | 3,423.05 | 1 | 3,064.54 | 1 | 2,706.02 | 1 | 2,347.44 |
| 1/4 | | 1/4 | | 1/4 | 4,846.42 | 1/4 | 4,489.68 | 1/4 | 4,132.21 | 1/4 | 3,774.09 | 1/4 | 3,415.58 | 1/4 | 3,057.07 | 1/4 | 2,698.56 | 1/4 | 2,339.97 |
| 1/2 | | 1/2 | | 1/2 | 4,839.05 | 1/2 | 4,482.24 | 1/2 | 4,124.77 | 1/2 | 3,766.62 | 1/2 | 3,408.11 | 1/2 | 3,049.60 | 1/2 | 2,691.09 | 1/2 | 2,332.50 |
| 3/4 | | 3/4 | | 3/4 | 4,831.67 | 3/4 | 4,474.79 | 3/4 | 4,117.32 | 3/4 | 3,759.15 | 3/4 | 3,400.64 | 3/4 | 3,042.13 | 3/4 | 2,683.62 | 3/4 | 2,325.03 |
| 2 | 2 | 2 | 2 | 2 | 4,824.30 | 2 | 4,467.34 | 2 | 4,109.87 | 2 | 3,751.68 | 2 | 3,393.17 | 2 | 3,034.66 | 2 | 2,676.15 | 2 | 2,317.56 |
| 1/4 | | 1/4 | | 1/4 | 4,816.92 | 1/4 | 4,459.89 | 1/4 | 4,102.42 | 1/4 | 3,744.22 | 1/4 | 3,385.70 | 1/4 | 3,027.19 | 1/4 | 2,668.68 | 1/4 | 2,310.09 |
| 1/2 | | 1/2 | | 1/2 | 4,809.55 | 1/2 | 4,452.45 | 1/2 | 4,094.98 | 1/2 | 3,736.75 | 1/2 | 3,378.23 | 1/2 | 3,019.72 | 1/2 | 2,661.21 | 1/2 | 2,302.62 |
| 3/4 | | 3/4 | | 3/4 | 4,802.18 | 3/4 | 4,445.00 | 3/4 | 4,087.53 | 3/4 | 3,729.28 | 3/4 | 3,370.77 | 3/4 | 3,012.25 | 3/4 | 2,653.74 | 3/4 | 2,295.15 |
| 3 | 3 | 3 | 3 | 3 | 4,794.80 | 3 | 4,437.55 | 3 | 4,080.08 | 3 | 3,721.81 | 3 | 3,363.30 | 3 | 3,004.78 | 3 | 2,646.27 | 3 | 2,287.67 |
| 1/4 | | 1/4 | | 1/4 | 4,787.43 | 1/4 | 4,430.11 | 1/4 | 4,072.63 | 1/4 | 3,714.34 | 1/4 | 3,355.83 | 1/4 | 2,997.32 | 1/4 | 2,638.80 | 1/4 | 2,280.20 |
| 1/2 | | 1/2 | | 1/2 | 4,780.05 | 1/2 | 4,422.66 | 1/2 | 4,065.19 | 1/2 | 3,706.87 | 1/2 | 3,348.36 | 1/2 | 2,989.85 | 1/2 | 2,631.33 | 1/2 | 2,272.73 |
| 3/4 | | 3/4 | | 3/4 | 4,772.68 | 3/4 | 4,415.21 | 3/4 | 4,057.74 | 3/4 | 3,699.40 | 3/4 | 3,340.89 | 3/4 | 2,982.38 | 3/4 | 2,623.87 | 3/4 | 2,265.26 |
| 4 | 4 | 4 | 4 | 4 | 4,765.23 | 4 | 4,407.76 | 4 | 4,050.29 | 4 | 3,691.93 | 4 | 3,333.42 | 4 | 2,974.91 | 4 | 2,616.40 | 4 | 2,257.79 |
| 1/4 | | 1/4 | | 1/4 | 4,757.79 | 1/4 | 4,400.32 | 1/4 | 4,042.85 | 1/4 | 3,684.46 | 1/4 | 3,325.95 | 1/4 | 2,967.44 | 1/4 | 2,608.93 | 1/4 | 2,250.32 |
| 1/2 | | 1/2 | | 1/2 | 4,750.34 | 1/2 | 4,392.87 | 1/2 | 4,035.40 | 1/2 | 3,676.99 | 1/2 | 3,318.48 | 1/2 | 2,959.97 | 1/2 | 2,601.46 | 1/2 | 2,242.85 |
| 3/4 | | 3/4 | | 3/4 | 4,742.89 | 3/4 | 4,385.42 | 3/4 | 4,027.95 | 3/4 | 3,669.53 | 3/4 | 3,311.01 | 3/4 | 2,952.50 | 3/4 | 2,593.99 | 3/4 | 2,235.38 |
| 5 | 5 | 5 | 5 | 5 | 4,735.44 | 5 | 4,377.97 | 5 | 4,020.50 | 5 | 3,662.06 | 5 | 3,303.54 | 5 | 2,945.03 | 5 | 2,586.52 | 5 | 2,227.91 |
| 1/4 | | 1/4 | | 1/4 | 4,728.00 | 1/4 | 4,370.53 | 1/4 | 4,013.06 | 1/4 | 3,654.59 | 1/4 | 3,296.08 | 1/4 | 2,937.56 | 1/4 | 2,579.05 | 1/4 | 2,220.43 |
| 1/2 | | 1/2 | | 1/2 | 4,720.55 | 1/2 | 4,363.08 | 1/2 | 4,005.61 | 1/2 | 3,647.12 | 1/2 | 3,288.61 | 1/2 | 2,930.09 | 1/2 | 2,571.58 | 1/2 | 2,212.96 |
| 3/4 | | 3/4 | | 3/4 | 4,713.10 | 3/4 | 4,355.63 | 3/4 | 3,998.16 | 3/4 | 3,639.65 | 3/4 | 3,281.14 | 3/4 | 2,922.63 | 3/4 | 2,564.11 | 3/4 | 2,205.49 |
| 6 | 6 | 6 | 6 | 6 | 4,705.66 | 6 | 4,348.18 | 6 | 3,990.69 | 6 | 3,632.18 | 6 | 3,273.67 | 6 | 2,915.16 | 6 | 2,556.63 | 6 | 2,198.02 |
| 1/4 | | 1/4 | | 1/4 | 4,698.21 | 1/4 | 4,340.74 | 1/4 | 3,983.22 | 1/4 | 3,624.71 | 1/4 | 3,266.20 | 1/4 | 2,907.69 | 1/4 | 2,549.16 | 1/4 | 2,190.55 |
| 1/2 | | 1/2 | | 1/2 | 4,690.76 | 1/2 | 4,333.29 | 1/2 | 3,975.75 | 1/2 | 3,617.24 | 1/2 | 3,258.73 | 1/2 | 2,900.22 | 1/2 | 2,541.69 | 1/2 | 2,183.08 |
| 3/4 | | 3/4 | | 3/4 | 5,025.37 | 3/4 | 4,683.31 | 3/4 | 4,325.84 | 3/4 | 3,968.29 | 3/4 | 3,609.77 | 3/4 | 3,251.26 | 3/4 | 2,892.75 | 3/4 | 2,534.22 |
| 7 | 7 | 7 | 7 | 7 | 5,020.17 | 7 | 4,675.87 | 7 | 4,318.40 | 7 | 3,960.82 | 7 | 3,602.30 | 7 | 3,243.79 | 7 | 2,885.28 | 7 | 2,526.75 |
| 1/4 | | 1/4 | | 1/4 | 5,014.98 | 1/4 | 4,668.42 | 1/4 | 4,310.95 | 1/4 | 3,953.35 | 1/4 | 3,594.84 | 1/4 | 3,236.32 | 1/4 | 2,877.81 | 1/4 | 2,519.28 |
| 1/2 | | 1/2 | | 1/2 | 5,009.78 | 1/2 | 4,660.97 | 1/2 | 4,303.50 | 1/2 | 3,945.88 | 1/2 | 3,587.37 | 1/2 | 3,228.85 | 1/2 | 2,870.34 | 1/2 | 2,511.81 |
| 3/4 | | 3/4 | | 3/4 | 5,004.58 | 3/4 | 4,653.52 | 3/4 | 4,296.05 | 3/4 | 3,938.41 | 3/4 | 3,579.90 | 3/4 | 3,221.39 | 3/4 | 2,862.87 | 3/4 | 2,504.34 |
| 8 | 8 | 8 | 8 | 8 | 4,998.14 | 8 | 4,646.08 | 8 | 4,288.61 | 8 | 3,930.94 | 8 | 3,572.43 | 8 | 3,213.92 | 8 | 2,855.40 | 8 | 2,496.87 |
| 1/4 | | 1/4 | | 1/4 | 4,991.70 | 1/4 | 4,638.63 | 1/4 | 4,281.16 | 1/4 | 3,923.47 | 1/4 | 3,564.96 | 1/4 | 3,206.45 | 1/4 | 2,847.94 | 1/4 | 2,489.39 |
| 1/2 | | 1/2 | | 1/2 | 4,985.26 | 1/2 | 4,631.18 | 1/2 | 4,273.71 | 1/2 | 3,916.00 | 1/2 | 3,557.49 | 1/2 | 3,198.98 | 1/2 | 2,840.47 | 1/2 | 2,481.92 |
| 3/4 | | 3/4 | | 3/4 | 4,978.82 | 3/4 | 4,623.73 | 3/4 | 4,266.26 | 3/4 | 3,908.53 | 3/4 | 3,550.02 | 3/4 | 3,191.51 | 3/4 | 2,833.00 | 3/4 | 2,474.45 |
| 9 | 9 | 9 | 9 | 9 | 4,971.51 | 9 | 4,616.29 | 9 | 4,258.82 | 9 | 3,901.06 | 9 | 3,542.55 | 9 | 3,184.04 | 9 | 2,825.53 | 9 | 2,466.98 |
| 1/4 | | 1/4 | | 1/4 | 4,964.21 | 1/4 | 4,608.84 | 1/4 | 4,251.37 | 1/4 | 3,893.60 | 1/4 | 3,535.08 | 1/4 | 3,176.57 | 1/4 | 2,818.06 | 1/4 | 2,459.51 |
| 1/2 | | 1/2 | | 1/2 | 4,956.90 | 1/2 | 4,601.39 | 1/2 | 4,243.92 | 1/2 | 3,886.13 | 1/2 | 3,527.61 | 1/2 | 3,169.10 | 1/2 | 2,810.59 | 1/2 | 2,452.04 |
| 3/4 | | 3/4 | | 3/4 | 4,949.60 | 3/4 | 4,593.95 | 3/4 | 4,236.48 | 3/4 | 3,878.66 | 3/4 | 3,520.15 | 3/4 | 3,161.63 | 3/4 | 2,803.12 | 3/4 | 2,444.57 |
| 10 | 10 | 10 | 10 | 10 | 4,942.24 | 10 | 4,586.50 | 10 | 4,229.03 | 10 | 3,871.19 | 10 | 3,512.68 | 10 | 3,154.16 | 10 | 2,795.65 | 10 | 2,437.10 |
| 1/4 | | 1/4 | | 1/4 | 4,934.88 | 1/4 | 4,579.05 | 1/4 | 4,221.58 | 1/4 | 3,863.72 | 1/4 | 3,505.21 | 1/4 | 3,146.70 | 1/4 | 2,788.18 | 1/4 | 2,429.63 |
| 1/2 | | 1/2 | | 1/2 | 4,927.52 | 1/2 | 4,571.60 | 1/2 | 4,214.13 | 1/2 | 3,856.25 | 1/2 | 3,497.74 | 1/2 | 3,139.23 | 1/2 | 2,780.71 | 1/2 | 2,422.15 |
| 3/4 | | 3/4 | | 3/4 | 4,920.15 | 3/4 | 4,564.16 | 3/4 | 4,206.69 | 3/4 | 3,848.78 | 3/4 | 3,490.27 | 3/4 | 3,131.76 | 3/4 | 2,773.25 | 3/4 | 2,414.68 |
| 11 | 11 | 11 | 11 | 11 | 4,912.78 | 11 | 4,556.71 | 11 | 4,199.24 | 11 | 3,841.31 | 11 | 3,482.80 | 11 | 3,124.29 | 11 | 2,765.78 | 11 | 2,407.21 |
| 1/4 | | 1/4 | | 1/4 | 4,905.41 | 1/4 | 4,549.26 | 1/4 | 4,191.79 | 1/4 | 3,833.84 | 1/4 | 3,475.33 | 1/4 | 3,116.82 | 1/4 | 2,758.31 | 1/4 | 2,399.74 |
| 1/2 | | 1/2 | | 1/2 | 4,898.04 | 1/2 | 4,541.81 | 1/2 | 4,184.34 | 1/2 | 3,826.37 | 1/2 | 3,467.86 | 1/2 | 3,109.35 | 1/2 | 2,750.84 | 1/2 | 2,392.27 |
| 3/4 | | 3/4 | | 3/4 | 4,890.67 | 3/4 | 4,534.37 | 3/4 | 4,176.90 | 3/4 | 3,818.91 | 3/4 | 3,460.39 | 3/4 | 3,101.88 | 3/4 | 2,743.37 | 3/4 | 2,384.80 |

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
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "CTC 29101"

1 PORT

ULLAGE TABLE HERMETIC

GAUGE HEIGHT 15'-09 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: E2MS 319

| 10 FT. | | 11 FT. | | 12 FT. | | 13 FT. | | 14 FT. | | 15 FT. | | 16 FT. | | 17 FT. | | 18 FT. | | 19 FT. | |
|--------|----------|--------|----------|--------|----------|--------|--------|--------|--------|--------|--------|--------|-----|--------|-----|--------|-----|--------|-----|
| IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | |
| 0 | 2,018.71 | 0 | 1,660.10 | 0 | 1,301.49 | 0 | 944.10 | 0 | 586.82 | 0 | 243.28 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 2,011.24 | 1/4 | 1,652.63 | 1/4 | 1,294.02 | 1/4 | 936.68 | 1/4 | 579.35 | 1/4 | 236.64 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,003.77 | 1/2 | 1,645.16 | 1/2 | 1,286.55 | 1/2 | 929.27 | 1/2 | 571.89 | 1/2 | 230.00 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,996.30 | 3/4 | 1,637.69 | 3/4 | 1,279.08 | 3/4 | 921.86 | 3/4 | 564.42 | 3/4 | 223.06 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 1,988.83 | 1 | 1,630.22 | 1 | 1,271.60 | 1 | 914.45 | 1 | 556.95 | 1 | 216.81 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 1,981.36 | 1/4 | 1,622.75 | 1/4 | 1,264.13 | 1/4 | 907.04 | 1/4 | 549.49 | 1/4 | 210.26 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,973.89 | 1/2 | 1,615.28 | 1/2 | 1,256.66 | 1/2 | 899.62 | 1/2 | 542.02 | 1/2 | 203.71 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,966.42 | 3/4 | 1,607.80 | 3/4 | 1,249.19 | 3/4 | 892.21 | 3/4 | 534.56 | 3/4 | 197.16 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 1,958.95 | 2 | 1,600.33 | 2 | 1,241.72 | 2 | 884.80 | 2 | 527.09 | 2 | 190.70 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/4 | 1,951.47 | 1/4 | 1,592.86 | 1/4 | 1,234.25 | 1/4 | 877.39 | 1/4 | 519.62 | 1/4 | 184.24 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,944.00 | 1/2 | 1,585.39 | 1/2 | 1,226.78 | 1/2 | 869.98 | 1/2 | 512.14 | 1/2 | 177.77 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,936.53 | 3/4 | 1,577.92 | 3/4 | 1,219.31 | 3/4 | 862.56 | 3/4 | 504.67 | 3/4 | 171.31 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 1,929.06 | 3 | 1,570.45 | 3 | 1,211.84 | 3 | 855.15 | 3 | 497.25 | 3 | 164.94 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1/4 | 1,921.59 | 1/4 | 1,562.98 | 1/4 | 1,204.36 | 1/4 | 847.74 | 1/4 | 489.82 | 1/4 | 158.56 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,914.12 | 1/2 | 1,555.51 | 1/2 | 1,196.89 | 1/2 | 840.33 | 1/2 | 482.39 | 1/2 | 152.18 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,906.65 | 3/4 | 1,548.04 | 3/4 | 1,189.42 | 3/4 | 832.91 | 3/4 | 474.97 | 3/4 | 145.81 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 1,899.18 | 4 | 1,540.56 | 4 | 1,181.95 | 4 | 825.50 | 4 | 467.63 | 4 | 139.52 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1/4 | 1,891.71 | 1/4 | 1,533.09 | 1/4 | 1,174.48 | 1/4 | 818.09 | 1/4 | 460.29 | 1/4 | 133.23 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,884.24 | 1/2 | 1,525.62 | 1/2 | 1,167.01 | 1/2 | 810.68 | 1/2 | 452.95 | 1/2 | 126.95 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,876.76 | 3/4 | 1,518.15 | 3/4 | 1,159.54 | 3/4 | 803.27 | 3/4 | 445.61 | 3/4 | 120.66 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 1,869.29 | 5 | 1,510.68 | 5 | 1,152.07 | 5 | 795.85 | 5 | 438.36 | 5 | 114.46 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1/4 | 1,861.82 | 1/4 | 1,503.21 | 1/4 | 1,144.60 | 1/4 | 788.42 | 1/4 | 431.10 | 1/4 | 108.26 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,854.35 | 1/2 | 1,495.74 | 1/2 | 1,137.13 | 1/2 | 781.00 | 1/2 | 423.85 | 1/2 | 102.06 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,846.88 | 3/4 | 1,488.27 | 3/4 | 1,129.65 | 3/4 | 773.58 | 3/4 | 416.60 | 3/4 | 95.86 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 1,839.41 | 6 | 1,480.80 | 6 | 1,122.21 | 6 | 766.11 | 6 | 409.44 | 6 | 89.76 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1/4 | 1,831.94 | 1/4 | 1,473.32 | 1/4 | 1,114.77 | 1/4 | 758.64 | 1/4 | 402.27 | 1/4 | 83.66 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,824.47 | 1/2 | 1,465.85 | 1/2 | 1,107.34 | 1/2 | 751.17 | 1/2 | 395.11 | 1/2 | 77.56 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,817.00 | 3/4 | 1,458.38 | 3/4 | 1,099.90 | 3/4 | 743.70 | 3/4 | 387.94 | 3/4 | 71.46 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 1,809.52 | 7 | 1,450.91 | 7 | 1,092.46 | 7 | 736.23 | 7 | 380.87 | 7 | 65.47 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1/4 | 1,802.05 | 1/4 | 1,443.44 | 1/4 | 1,085.02 | 1/4 | 728.76 | 1/4 | 373.79 | 1/4 | 59.48 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,794.58 | 1/2 | 1,435.97 | 1/2 | 1,077.58 | 1/2 | 721.29 | 1/2 | 366.71 | 1/2 | 53.49 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,787.11 | 3/4 | 1,428.50 | 3/4 | 1,070.14 | 3/4 | 713.82 | 3/4 | 359.64 | 3/4 | 47.50 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 1,779.64 | 8 | 1,421.03 | 8 | 1,062.72 | 8 | 706.35 | 8 | 352.65 | 8 | 42.50 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1/4 | 1,772.17 | 1/4 | 1,413.56 | 1/4 | 1,055.30 | 1/4 | 698.87 | 1/4 | 345.66 | 1/4 | 37.50 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,764.70 | 1/2 | 1,406.08 | 1/2 | 1,047.87 | 1/2 | 691.40 | 1/2 | 338.67 | 1/2 | 32.50 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,757.23 | 3/4 | 1,398.61 | 3/4 | 1,040.45 | 3/4 | 683.93 | 3/4 | 331.68 | 3/4 | 27.50 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 1,749.76 | 9 | 1,391.14 | 9 | 1,033.04 | 9 | 676.46 | 9 | 324.78 | 9 | 24.45 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1/4 | 1,742.28 | 1/4 | 1,383.67 | 1/4 | 1,025.63 | 1/4 | 668.99 | 1/4 | 317.88 | 1/4 | 21.40 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,734.81 | 1/2 | 1,376.20 | 1/2 | 1,018.22 | 1/2 | 661.52 | 1/2 | 310.98 | 1/2 | 18.35 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,727.34 | 3/4 | 1,368.73 | 3/4 | 1,010.81 | 3/4 | 654.05 | 3/4 | 304.08 | 3/4 | 15.31 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 1,719.87 | 10 | 1,361.26 | 10 | 1,003.39 | 10 | 646.58 | 10 | 297.26 | 10 | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1/4 | 1,712.40 | 1/4 | 1,353.79 | 1/4 | 995.98 | 1/4 | 639.11 | 1/4 | 290.45 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,704.93 | 1/2 | 1,346.32 | 1/2 | 988.57 | 1/2 | 631.64 | 1/2 | 283.64 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,697.46 | 3/4 | 1,338.84 | 3/4 | 981.16 | 3/4 | 624.17 | 3/4 | 276.82 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 1,689.99 | 11 | 1,331.37 | 11 | 973.74 | 11 | 616.69 | 11 | 270.10 | 11 | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1/4 | 1,682.52 | 1/4 | 1,323.90 | 1/4 | 966.33 | 1/4 | 609.22 | 1/4 | 263.37 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,675.04 | 1/2 | 1,316.43 | 1/2 | 958.92 | 1/2 | 601.75 | 1/2 | 256.64 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,667.57 | 3/4 | 1,308.96 | 3/4 | 951.51 | 3/4 | 594.28 | 3/4 | 249.92 | 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: 03/16/2020 CL
CALCULATED: 03/17/2020 CL
PRINTED: 03/19/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2020

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



BARGE "CTC 29101"

1 STBD ULLAGE TABLE

HERMETIC GAUGE HEIGHT 15'-09 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: E2MS 319

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|-----|-------|-----|-------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| 0 | 0 | 0 | 0 | 0 | 4,871.14 | 0 | 4,514.59 | 0 | 4,157.09 | 0 | 3,799.00 | 0 | 3,440.45 | 0 | 3,081.90 | 0 | 2,723.35 | 0 | 2,364.73 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,863.76 | 1/4 | 4,507.14 | 1/4 | 4,149.64 | 1/4 | 3,791.53 | 1/4 | 3,432.98 | 1/4 | 3,074.43 | 1/4 | 2,715.88 | 1/4 | 2,357.26 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,856.39 | 1/2 | 4,499.69 | 1/2 | 4,142.20 | 1/2 | 3,784.06 | 1/2 | 3,425.51 | 1/2 | 3,066.96 | 1/2 | 2,708.41 | 1/2 | 2,349.79 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,849.01 | 3/4 | 4,492.25 | 3/4 | 4,134.75 | 3/4 | 3,776.59 | 3/4 | 3,418.04 | 3/4 | 3,059.49 | 3/4 | 2,700.94 | 3/4 | 2,342.31 |
| 1 | 1 | 1 | 1 | 1 | 4,841.64 | 1 | 4,484.80 | 1 | 4,127.30 | 1 | 3,769.12 | 1 | 3,410.57 | 1 | 3,052.02 | 1 | 2,693.47 | 1 | 2,334.84 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,834.26 | 1/4 | 4,477.35 | 1/4 | 4,119.85 | 1/4 | 3,761.65 | 1/4 | 3,403.10 | 1/4 | 3,044.55 | 1/4 | 2,686.00 | 1/4 | 2,327.37 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,826.89 | 1/2 | 4,469.90 | 1/2 | 4,112.40 | 1/2 | 3,754.18 | 1/2 | 3,395.63 | 1/2 | 3,037.08 | 1/2 | 2,678.53 | 1/2 | 2,319.90 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,819.51 | 3/4 | 4,462.45 | 3/4 | 4,104.96 | 3/4 | 3,746.71 | 3/4 | 3,388.16 | 3/4 | 3,029.61 | 3/4 | 2,671.06 | 3/4 | 2,312.43 |
| 2 | 2 | 2 | 2 | 2 | 4,812.14 | 2 | 4,455.01 | 2 | 4,097.51 | 2 | 3,739.24 | 2 | 3,380.69 | 2 | 3,022.14 | 2 | 2,663.59 | 2 | 2,304.95 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,804.77 | 1/4 | 4,447.56 | 1/4 | 4,090.06 | 1/4 | 3,731.77 | 1/4 | 3,373.22 | 1/4 | 3,014.67 | 1/4 | 2,656.12 | 1/4 | 2,297.48 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,797.39 | 1/2 | 4,440.11 | 1/2 | 4,082.61 | 1/2 | 3,724.30 | 1/2 | 3,365.75 | 1/2 | 3,007.20 | 1/2 | 2,648.65 | 1/2 | 2,290.01 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,790.02 | 3/4 | 4,432.66 | 3/4 | 4,075.16 | 3/4 | 3,716.83 | 3/4 | 3,358.28 | 3/4 | 2,999.73 | 3/4 | 2,641.18 | 3/4 | 2,282.54 |
| 3 | 3 | 3 | 3 | 3 | 4,782.64 | 3 | 4,425.22 | 3 | 4,067.72 | 3 | 3,709.36 | 3 | 3,350.81 | 3 | 2,992.26 | 3 | 2,633.71 | 3 | 2,275.07 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,775.27 | 1/4 | 4,417.77 | 1/4 | 4,060.27 | 1/4 | 3,701.89 | 1/4 | 3,343.34 | 1/4 | 2,984.79 | 1/4 | 2,626.24 | 1/4 | 2,267.59 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,767.82 | 1/2 | 4,410.32 | 1/2 | 4,052.82 | 1/2 | 3,694.42 | 1/2 | 3,335.87 | 1/2 | 2,977.32 | 1/2 | 2,618.77 | 1/2 | 2,260.12 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,760.37 | 3/4 | 4,402.87 | 3/4 | 4,045.37 | 3/4 | 3,686.95 | 3/4 | 3,328.40 | 3/4 | 2,969.85 | 3/4 | 2,611.30 | 3/4 | 2,252.65 |
| 4 | 4 | 4 | 4 | 4 | 4,752.92 | 4 | 4,395.42 | 4 | 4,037.92 | 4 | 3,679.48 | 4 | 3,320.93 | 4 | 2,962.38 | 4 | 2,603.83 | 4 | 2,245.18 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,745.48 | 1/4 | 4,387.98 | 1/4 | 4,030.48 | 1/4 | 3,672.01 | 1/4 | 3,313.46 | 1/4 | 2,954.91 | 1/4 | 2,596.36 | 1/4 | 2,237.71 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,738.03 | 1/2 | 4,380.53 | 1/2 | 4,023.03 | 1/2 | 3,664.54 | 1/2 | 3,305.99 | 1/2 | 2,947.44 | 1/2 | 2,588.89 | 1/2 | 2,230.23 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,730.58 | 3/4 | 4,373.08 | 3/4 | 4,015.58 | 3/4 | 3,657.07 | 3/4 | 3,298.52 | 3/4 | 2,939.97 | 3/4 | 2,581.42 | 3/4 | 2,222.76 |
| 5 | 5 | 5 | 5 | 5 | 4,723.13 | 5 | 4,365.63 | 5 | 4,008.13 | 5 | 3,649.60 | 5 | 3,291.05 | 5 | 2,932.50 | 5 | 2,573.95 | 5 | 2,215.29 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,715.68 | 1/4 | 4,358.18 | 1/4 | 4,000.69 | 1/4 | 3,642.13 | 1/4 | 3,283.58 | 1/4 | 2,925.03 | 1/4 | 2,566.47 | 1/4 | 2,207.82 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,708.24 | 1/2 | 4,350.74 | 1/2 | 3,993.22 | 1/2 | 3,634.66 | 1/2 | 3,276.11 | 1/2 | 2,917.56 | 1/2 | 2,559.00 | 1/2 | 2,200.35 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,700.79 | 3/4 | 4,343.29 | 3/4 | 3,985.75 | 3/4 | 3,627.20 | 3/4 | 3,268.64 | 3/4 | 2,910.09 | 3/4 | 2,551.53 | 3/4 | 2,192.87 |
| 6 | 6 | 6 | 6 | 6 | 4,693.34 | 6 | 4,335.84 | 6 | 3,978.28 | 6 | 3,619.73 | 6 | 3,261.18 | 6 | 2,902.62 | 6 | 2,544.06 | 6 | 2,185.40 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,027.98 | 1/4 | 4,685.89 | 1/4 | 4,328.39 | 1/4 | 3,970.81 | 1/4 | 3,612.26 | 1/4 | 2,895.15 | 1/4 | 2,536.59 | 1/4 | 2,177.93 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,022.78 | 1/2 | 4,678.44 | 1/2 | 4,320.94 | 1/2 | 3,963.34 | 1/2 | 3,604.79 | 1/2 | 2,887.69 | 1/2 | 2,529.11 | 1/2 | 2,170.46 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,017.59 | 3/4 | 4,671.00 | 3/4 | 4,313.50 | 3/4 | 3,955.87 | 3/4 | 3,597.32 | 3/4 | 2,880.22 | 3/4 | 2,521.64 | 3/4 | 2,162.99 |
| 7 | 7 | 7 | 7 | 7 | 5,012.39 | 7 | 4,663.55 | 7 | 4,306.05 | 7 | 3,948.40 | 7 | 3,589.85 | 7 | 2,872.75 | 7 | 2,514.17 | 7 | 2,155.51 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,007.19 | 1/4 | 4,656.10 | 1/4 | 4,298.60 | 1/4 | 3,940.93 | 1/4 | 3,582.38 | 1/4 | 2,865.28 | 1/4 | 2,506.70 | 1/4 | 2,148.04 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,000.75 | 1/2 | 4,648.65 | 1/2 | 4,291.15 | 1/2 | 3,933.46 | 1/2 | 3,574.91 | 1/2 | 2,857.81 | 1/2 | 2,499.23 | 1/2 | 2,140.57 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,994.31 | 3/4 | 4,641.20 | 3/4 | 4,283.71 | 3/4 | 3,925.99 | 3/4 | 3,567.44 | 3/4 | 2,850.34 | 3/4 | 2,491.75 | 3/4 | 2,133.10 |
| 8 | 8 | 8 | 8 | 8 | 4,987.87 | 8 | 4,633.76 | 8 | 4,276.26 | 8 | 3,918.52 | 8 | 3,559.97 | 8 | 2,842.87 | 8 | 2,484.28 | 8 | 2,125.63 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,981.42 | 1/4 | 4,626.31 | 1/4 | 4,268.81 | 1/4 | 3,911.05 | 1/4 | 3,552.50 | 1/4 | 2,835.40 | 1/4 | 2,476.81 | 1/4 | 2,118.15 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,974.12 | 1/2 | 4,618.86 | 1/2 | 4,261.36 | 1/2 | 3,903.58 | 1/2 | 3,545.03 | 1/2 | 2,827.93 | 1/2 | 2,469.34 | 1/2 | 2,110.68 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,966.81 | 3/4 | 4,611.41 | 3/4 | 4,253.91 | 3/4 | 3,896.11 | 3/4 | 3,537.56 | 3/4 | 2,820.46 | 3/4 | 2,461.87 | 3/4 | 2,103.21 |
| 9 | 9 | 9 | 9 | 9 | 4,959.51 | 9 | 4,603.97 | 9 | 4,246.47 | 9 | 3,888.64 | 9 | 3,530.09 | 9 | 2,812.99 | 9 | 2,454.39 | 9 | 2,095.74 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,952.20 | 1/4 | 4,596.52 | 1/4 | 4,239.02 | 1/4 | 3,881.17 | 1/4 | 3,522.62 | 1/4 | 2,805.52 | 1/4 | 2,446.92 | 1/4 | 2,088.27 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,944.84 | 1/2 | 4,589.07 | 1/2 | 4,231.57 | 1/2 | 3,873.70 | 1/2 | 3,515.15 | 1/2 | 2,798.05 | 1/2 | 2,439.45 | 1/2 | 2,080.79 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,937.48 | 3/4 | 4,581.62 | 3/4 | 4,224.12 | 3/4 | 3,866.23 | 3/4 | 3,507.68 | 3/4 | 2,790.58 | 3/4 | 2,431.98 | 3/4 | 2,073.32 |
| 10 | 10 | 10 | 10 | 10 | 4,930.12 | 10 | 4,574.17 | 10 | 4,216.67 | 10 | 3,858.76 | 10 | 3,500.21 | 10 | 2,783.11 | 10 | 2,424.51 | 10 | 2,065.85 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,922.75 | 1/4 | 4,566.73 | 1/4 | 4,209.23 | 1/4 | 3,851.29 | 1/4 | 3,492.74 | 1/4 | 2,775.64 | 1/4 | 2,417.03 | 1/4 | 2,058.38 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,915.38 | 1/2 | 4,559.28 | 1/2 | 4,201.78 | 1/2 | 3,843.82 | 1/2 | 3,485.27 | 1/2 | 2,768.17 | 1/2 | 2,409.56 | 1/2 | 2,050.91 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,908.01 | 3/4 | 4,551.83 | 3/4 | 4,194.33 | 3/4 | 3,836.35 | 3/4 | 3,477.80 | 3/4 | 2,760.70 | 3/4 | 2,402.09 | 3/4 | 2,043.43 |
| 11 | 11 | 11 | 11 | 11 | 4,900.64 | 11 | 4,544.38 | 11 | 4,186.88 | 11 | 3,828.88 | 11 | 3,470.33 | 11 | 2,753.23 | 11 | 2,394.62 | 11 | 2,035.96 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,893.27 | 1/4 | 4,536.93 | 1/4 | 4,179.43 | 1/4 | 3,821.41 | 1/4 | 3,462.86 | 1/4 | 2,745.76 | 1/4 | 2,387.15 | 1/4 | 2,028.49 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,885.89 | 1/2 | 4,529.49 | 1/2 | 4,171.99 | 1/2 | 3,813.94 | 1/2 | 3,455.39 | 1/2 | 2,738.29 | 1/2 | 2,379.67 | 1/2 | 2,021.02 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,878.51 | 3/4 | 4,522.04 | 3/4 | 4,164.54 | 3/4 | 3,806.47 | 3/4 | 3,447.92 | 3/4 | 2,730.82 | 3/4 | 2,372.20 | 3/4 | 2,013.55 |

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
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "CTC 29101"

1 STBD

ULLAGE TABLE HERMETIC

GAUGE HEIGHT 15'-09 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: E2MS 319

| 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 | 2,006.07 | 0 | 1,647.42 | 0 | 1,288.76 | 0 | 930.37 | 0 | 571.96 | 0 | 230.01 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 1,998.60 | 1/4 | 1,639.95 | 1/4 | 1,281.29 | 1/4 | 922.91 | 1/4 | 564.48 | 1/4 | 223.37 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,991.13 | 1/2 | 1,632.47 | 1/2 | 1,273.82 | 1/2 | 915.45 | 1/2 | 557.01 | 1/2 | 216.82 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,983.66 | 3/4 | 1,625.00 | 3/4 | 1,266.35 | 3/4 | 907.99 | 3/4 | 549.54 | 3/4 | 210.27 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 1,976.19 | 1 | 1,617.53 | 1 | 1,258.87 | 1 | 900.54 | 1 | 542.07 | 1 | 203.72 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 1,968.71 | 1/4 | 1,610.06 | 1/4 | 1,251.40 | 1/4 | 893.08 | 1/4 | 534.60 | 1/4 | 197.17 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,961.24 | 1/2 | 1,602.59 | 1/2 | 1,243.93 | 1/2 | 885.62 | 1/2 | 527.12 | 1/2 | 190.71 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,953.77 | 3/4 | 1,595.11 | 3/4 | 1,236.46 | 3/4 | 878.16 | 3/4 | 519.65 | 3/4 | 184.24 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 1,946.30 | 2 | 1,587.64 | 2 | 1,228.99 | 2 | 870.70 | 2 | 512.18 | 2 | 177.78 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/4 | 1,938.83 | 1/4 | 1,580.17 | 1/4 | 1,221.51 | 1/4 | 863.25 | 1/4 | 504.71 | 1/4 | 171.32 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,931.35 | 1/2 | 1,572.70 | 1/2 | 1,214.04 | 1/2 | 855.79 | 1/2 | 497.28 | 1/2 | 164.94 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,923.88 | 3/4 | 1,565.23 | 3/4 | 1,206.57 | 3/4 | 848.33 | 3/4 | 489.85 | 3/4 | 158.57 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 1,916.41 | 3 | 1,557.75 | 3 | 1,199.10 | 3 | 840.87 | 3 | 482.42 | 3 | 152.19 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1/4 | 1,908.94 | 1/4 | 1,550.28 | 1/4 | 1,191.63 | 1/4 | 833.42 | 1/4 | 475.00 | 1/4 | 145.82 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,901.47 | 1/2 | 1,542.81 | 1/2 | 1,184.15 | 1/2 | 825.96 | 1/2 | 467.66 | 1/2 | 139.53 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,893.99 | 3/4 | 1,535.34 | 3/4 | 1,176.68 | 3/4 | 818.50 | 3/4 | 460.32 | 3/4 | 133.24 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 1,886.52 | 4 | 1,527.87 | 4 | 1,169.21 | 4 | 811.04 | 4 | 452.97 | 4 | 126.95 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1/4 | 1,879.05 | 1/4 | 1,520.39 | 1/4 | 1,161.74 | 1/4 | 803.58 | 1/4 | 445.63 | 1/4 | 120.66 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,871.58 | 1/2 | 1,512.92 | 1/2 | 1,154.27 | 1/2 | 796.11 | 1/2 | 438.38 | 1/2 | 114.46 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,864.11 | 3/4 | 1,505.45 | 3/4 | 1,146.79 | 3/4 | 788.64 | 3/4 | 431.13 | 3/4 | 108.27 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 1,856.63 | 5 | 1,497.98 | 5 | 1,139.32 | 5 | 781.17 | 5 | 423.88 | 5 | 102.07 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1/4 | 1,849.16 | 1/4 | 1,490.51 | 1/4 | 1,131.85 | 1/4 | 773.70 | 1/4 | 416.62 | 1/4 | 95.87 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,841.69 | 1/2 | 1,483.03 | 1/2 | 1,124.38 | 1/2 | 766.22 | 1/2 | 409.46 | 1/2 | 89.77 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,834.22 | 3/4 | 1,475.56 | 3/4 | 1,116.91 | 3/4 | 758.75 | 3/4 | 402.29 | 3/4 | 83.67 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 1,826.75 | 6 | 1,468.09 | 6 | 1,109.43 | 6 | 751.28 | 6 | 395.13 | 6 | 77.56 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1/4 | 1,819.27 | 1/4 | 1,460.62 | 1/4 | 1,101.96 | 1/4 | 743.81 | 1/4 | 387.96 | 1/4 | 71.46 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,811.80 | 1/2 | 1,453.15 | 1/2 | 1,094.50 | 1/2 | 736.34 | 1/2 | 380.89 | 1/2 | 65.47 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,804.33 | 3/4 | 1,445.67 | 3/4 | 1,087.03 | 3/4 | 728.87 | 3/4 | 373.81 | 3/4 | 59.49 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 1,796.86 | 7 | 1,438.20 | 7 | 1,079.56 | 7 | 721.39 | 7 | 366.73 | 7 | 53.50 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1/4 | 1,789.39 | 1/4 | 1,430.73 | 1/4 | 1,072.10 | 1/4 | 713.92 | 1/4 | 359.66 | 1/4 | 47.51 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,781.91 | 1/2 | 1,423.26 | 1/2 | 1,064.63 | 1/2 | 706.45 | 1/2 | 352.67 | 1/2 | 42.51 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,774.44 | 3/4 | 1,415.79 | 3/4 | 1,057.17 | 3/4 | 698.98 | 3/4 | 345.68 | 3/4 | 37.51 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 1,766.97 | 8 | 1,408.31 | 8 | 1,049.70 | 8 | 691.51 | 8 | 338.69 | 8 | 32.50 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1/4 | 1,759.50 | 1/4 | 1,400.84 | 1/4 | 1,042.23 | 1/4 | 684.03 | 1/4 | 331.70 | 1/4 | 27.50 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,752.03 | 1/2 | 1,393.37 | 1/2 | 1,034.78 | 1/2 | 676.56 | 1/2 | 324.80 | 1/2 | 24.45 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,744.55 | 3/4 | 1,385.90 | 3/4 | 1,027.32 | 3/4 | 669.09 | 3/4 | 317.89 | 3/4 | 21.41 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 1,737.08 | 9 | 1,378.43 | 9 | 1,019.86 | 9 | 661.62 | 9 | 310.99 | 9 | 18.36 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1/4 | 1,729.61 | 1/4 | 1,370.95 | 1/4 | 1,012.40 | 1/4 | 654.15 | 1/4 | 304.09 | 1/4 | 15.31 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,722.14 | 1/2 | 1,363.48 | 1/2 | 1,004.95 | 1/2 | 646.67 | 1/2 | 297.28 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,714.67 | 3/4 | 1,356.01 | 3/4 | 997.49 | 3/4 | 639.20 | 3/4 | 290.46 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 1,707.19 | 10 | 1,348.54 | 10 | 990.03 | 10 | 631.73 | 10 | 283.65 | 10 | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1/4 | 1,699.72 | 1/4 | 1,341.07 | 1/4 | 982.57 | 1/4 | 624.26 | 1/4 | 276.83 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,692.25 | 1/2 | 1,333.59 | 1/2 | 975.11 | 1/2 | 616.79 | 1/2 | 270.11 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,684.78 | 3/4 | 1,326.12 | 3/4 | 967.66 | 3/4 | 609.32 | 3/4 | 263.38 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 1,677.31 | 11 | 1,318.65 | 11 | 960.20 | 11 | 601.84 | 11 | 256.66 | 11 | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1/4 | 1,669.83 | 1/4 | 1,311.18 | 1/4 | 952.74 | 1/4 | 594.37 | 1/4 | 249.93 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,662.36 | 1/2 | 1,303.71 | 1/2 | 945.28 | 1/2 | 586.90 | 1/2 | 243.29 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,654.89 | 3/4 | 1,296.23 | 3/4 | 937.82 | 3/4 | 579.43 | 3/4 | 236.65 | 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: 03/16/2020 CL
CALCULATED: 03/17/2020 CL
PRINTED: 03/19/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2020

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



BARGE "CTC 29101"

2 PORT ULLAGE TABLE

HERMETIC GAUGE HEIGHT 15'-09 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: E2MS 319

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. | | |
|-----|-------|-----|-------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| 0 | 0 | 0 | 0 | 0 | 4,936.22 | 0 | 4,579.59 | 0 | 4,221.98 | 0 | 3,863.82 | 0 | 3,505.15 | 0 | 3,146.48 | 0 | 2,787.81 | 0 | 2,429.14 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,928.83 | 1/4 | 4,572.14 | 1/4 | 4,214.53 | 1/4 | 3,856.35 | 1/4 | 3,497.68 | 1/4 | 3,139.01 | 1/4 | 2,780.34 | 1/4 | 2,421.67 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,921.45 | 1/2 | 4,564.69 | 1/2 | 4,207.08 | 1/2 | 3,848.88 | 1/2 | 3,490.20 | 1/2 | 3,131.53 | 1/2 | 2,772.86 | 1/2 | 2,414.19 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,914.06 | 3/4 | 4,557.24 | 3/4 | 4,199.63 | 3/4 | 3,841.40 | 3/4 | 3,482.73 | 3/4 | 3,124.06 | 3/4 | 2,765.39 | 3/4 | 2,406.72 | | |
| 1 | 1 | 1 | 1 | 1 | 4,906.68 | 1 | 4,549.79 | 1 | 4,192.18 | 1 | 3,833.93 | 1 | 3,475.26 | 1 | 3,116.59 | 1 | 2,757.92 | 1 | 2,399.25 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,899.30 | 1/4 | 4,542.34 | 1/4 | 4,184.73 | 1/4 | 3,826.46 | 1/4 | 3,467.79 | 1/4 | 3,109.12 | 1/4 | 2,750.45 | 1/4 | 2,391.78 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,891.91 | 1/2 | 4,534.89 | 1/2 | 4,177.28 | 1/2 | 3,818.99 | 1/2 | 3,460.32 | 1/2 | 3,101.65 | 1/2 | 2,742.97 | 1/2 | 2,384.30 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,884.53 | 3/4 | 4,527.44 | 3/4 | 4,169.83 | 3/4 | 3,811.51 | 3/4 | 3,452.84 | 3/4 | 3,094.17 | 3/4 | 2,735.50 | 3/4 | 2,376.83 | | |
| 2 | 2 | 2 | 2 | 2 | 4,877.14 | 2 | 4,519.99 | 2 | 4,162.38 | 2 | 3,804.04 | 2 | 3,445.37 | 2 | 3,086.70 | 2 | 2,728.03 | 2 | 2,369.36 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,869.76 | 1/4 | 4,512.54 | 1/4 | 4,154.93 | 1/4 | 3,796.57 | 1/4 | 3,437.90 | 1/4 | 3,079.23 | 1/4 | 2,720.56 | 1/4 | 2,361.89 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,862.37 | 1/2 | 4,505.09 | 1/2 | 4,147.48 | 1/2 | 3,789.10 | 1/2 | 3,430.43 | 1/2 | 3,071.76 | 1/2 | 2,713.09 | 1/2 | 2,354.42 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,854.99 | 3/4 | 4,497.64 | 3/4 | 4,140.03 | 3/4 | 3,781.62 | 3/4 | 3,422.95 | 3/4 | 3,064.28 | 3/4 | 2,705.61 | 3/4 | 2,346.94 | | |
| 3 | 3 | 3 | 3 | 3 | 4,847.60 | 3 | 4,490.19 | 3 | 4,132.58 | 3 | 3,774.15 | 3 | 3,415.48 | 3 | 3,056.81 | 3 | 2,698.14 | 3 | 2,339.47 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,840.22 | 1/4 | 4,482.74 | 1/4 | 4,125.13 | 1/4 | 3,766.68 | 1/4 | 3,408.01 | 1/4 | 3,049.34 | 1/4 | 2,690.67 | 1/4 | 2,332.00 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,832.83 | 1/2 | 4,475.29 | 1/2 | 4,117.68 | 1/2 | 3,759.21 | 1/2 | 3,400.54 | 1/2 | 3,041.87 | 1/2 | 2,683.20 | 1/2 | 2,324.53 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,825.45 | 3/4 | 4,467.84 | 3/4 | 4,110.23 | 3/4 | 3,751.74 | 3/4 | 3,393.06 | 3/4 | 3,034.39 | 3/4 | 2,675.72 | 3/4 | 2,317.05 | | |
| 4 | 4 | 4 | 4 | 4 | 4,818.00 | 4 | 4,460.39 | 4 | 4,102.78 | 4 | 3,744.26 | 4 | 3,385.59 | 4 | 3,026.92 | 4 | 2,668.25 | 4 | 2,309.58 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,810.55 | 1/4 | 4,452.94 | 1/4 | 4,095.33 | 1/4 | 3,736.79 | 1/4 | 3,378.12 | 1/4 | 3,019.45 | 1/4 | 2,660.78 | 1/4 | 2,302.11 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,803.10 | 1/2 | 4,445.49 | 1/2 | 4,087.88 | 1/2 | 3,729.32 | 1/2 | 3,370.65 | 1/2 | 3,011.98 | 1/2 | 2,653.31 | 1/2 | 2,294.64 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,795.65 | 3/4 | 4,438.04 | 3/4 | 4,080.43 | 3/4 | 3,721.85 | 3/4 | 3,363.18 | 3/4 | 3,004.51 | 3/4 | 2,645.83 | 3/4 | 2,287.16 | | |
| 5 | 5 | 5 | 5 | 5 | 4,788.20 | 5 | 4,430.59 | 5 | 4,072.98 | 5 | 3,714.37 | 5 | 3,355.70 | 5 | 2,997.03 | 5 | 2,638.36 | 5 | 2,279.69 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,780.75 | 1/4 | 4,423.14 | 1/4 | 4,065.53 | 1/4 | 3,706.90 | 1/4 | 3,348.23 | 1/4 | 2,989.56 | 1/4 | 2,630.89 | 1/4 | 2,272.22 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,773.30 | 1/2 | 4,415.69 | 1/2 | 4,058.08 | 1/2 | 3,699.43 | 1/2 | 3,340.76 | 1/2 | 2,982.09 | 1/2 | 2,623.42 | 1/2 | 2,264.75 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,765.85 | 3/4 | 4,408.24 | 3/4 | 4,050.63 | 3/4 | 3,691.96 | 3/4 | 3,333.29 | 3/4 | 2,974.62 | 3/4 | 2,615.95 | 3/4 | 2,257.28 | | |
| 6 | 6 | 6 | 6 | 6 | 4,758.40 | 6 | 4,400.79 | 6 | 4,043.15 | 6 | 3,684.48 | 6 | 3,325.81 | 6 | 2,967.14 | 6 | 2,608.47 | 6 | 2,249.80 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,750.95 | 1/4 | 4,393.34 | 1/4 | 4,035.68 | 1/4 | 3,677.01 | 1/4 | 3,318.34 | 1/4 | 2,959.67 | 1/4 | 2,601.00 | 1/4 | 2,242.33 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,743.50 | 1/2 | 4,385.89 | 1/2 | 4,028.21 | 1/2 | 3,669.54 | 1/2 | 3,310.87 | 1/2 | 2,952.20 | 1/2 | 2,593.53 | 1/2 | 2,234.86 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,078.48 | 3/4 | 4,736.05 | 3/4 | 4,378.44 | 3/4 | 4,020.74 | 3/4 | 3,662.07 | 3/4 | 3,303.40 | 3/4 | 2,944.73 | 3/4 | 2,586.06 | | |
| 7 | 7 | 7 | 7 | 7 | 5,073.28 | 7 | 4,728.60 | 7 | 4,370.99 | 7 | 4,013.27 | 7 | 3,654.60 | 7 | 3,295.92 | 7 | 2,937.25 | 7 | 2,578.58 | 7 | 2,219.91 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,068.07 | 1/4 | 4,721.15 | 1/4 | 4,363.54 | 1/4 | 4,005.79 | 1/4 | 3,647.12 | 1/4 | 3,288.45 | 1/4 | 2,929.78 | 1/4 | 2,571.11 | 1/4 | 2,212.44 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,062.87 | 1/2 | 4,713.70 | 1/2 | 4,356.09 | 1/2 | 3,998.32 | 1/2 | 3,639.65 | 1/2 | 3,280.98 | 1/2 | 2,922.31 | 1/2 | 2,563.64 | 1/2 | 2,204.97 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,057.66 | 3/4 | 4,706.24 | 3/4 | 4,348.64 | 3/4 | 3,990.85 | 3/4 | 3,632.18 | 3/4 | 3,273.51 | 3/4 | 2,914.84 | 3/4 | 2,556.17 | 3/4 | 2,197.50 |
| 8 | 8 | 8 | 8 | 8 | 5,051.21 | 8 | 4,698.79 | 8 | 4,341.18 | 8 | 3,983.38 | 8 | 3,624.71 | 8 | 3,266.04 | 8 | 2,907.37 | 8 | 2,548.69 | 8 | 2,190.02 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,044.76 | 1/4 | 4,691.34 | 1/4 | 4,333.73 | 1/4 | 3,975.90 | 1/4 | 3,617.23 | 1/4 | 3,258.56 | 1/4 | 2,899.89 | 1/4 | 2,541.22 | 1/4 | 2,182.55 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,038.31 | 1/2 | 4,683.89 | 1/2 | 4,326.28 | 1/2 | 3,968.43 | 1/2 | 3,609.76 | 1/2 | 3,251.09 | 1/2 | 2,892.42 | 1/2 | 2,533.75 | 1/2 | 2,175.08 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,031.86 | 3/4 | 4,676.44 | 3/4 | 4,318.83 | 3/4 | 3,960.96 | 3/4 | 3,602.29 | 3/4 | 3,243.62 | 3/4 | 2,884.95 | 3/4 | 2,526.28 | 3/4 | 2,167.61 |
| 9 | 9 | 9 | 9 | 9 | 5,024.55 | 9 | 4,668.99 | 9 | 4,311.38 | 9 | 3,953.49 | 9 | 3,594.82 | 9 | 3,236.15 | 9 | 2,877.48 | 9 | 2,518.81 | 9 | 2,160.14 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,017.23 | 1/4 | 4,661.54 | 1/4 | 4,303.93 | 1/4 | 3,946.01 | 1/4 | 3,587.34 | 1/4 | 3,228.67 | 1/4 | 2,870.00 | 1/4 | 2,511.33 | 1/4 | 2,152.66 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,009.92 | 1/2 | 4,654.09 | 1/2 | 4,296.48 | 1/2 | 3,938.54 | 1/2 | 3,579.87 | 1/2 | 3,221.20 | 1/2 | 2,862.53 | 1/2 | 2,503.86 | 1/2 | 2,145.19 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,002.60 | 3/4 | 4,646.64 | 3/4 | 4,289.03 | 3/4 | 3,931.07 | 3/4 | 3,572.40 | 3/4 | 3,213.73 | 3/4 | 2,855.06 | 3/4 | 2,496.39 | 3/4 | 2,137.72 |
| 10 | 10 | 10 | 10 | 10 | 4,995.23 | 10 | 4,639.19 | 10 | 4,281.58 | 10 | 3,923.60 | 10 | 3,564.93 | 10 | 3,206.26 | 10 | 2,848.59 | 10 | 2,488.92 | 10 | 2,130.25 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,987.86 | 1/4 | 4,631.74 | 1/4 | 4,274.13 | 1/4 | 3,916.13 | 1/4 | 3,557.46 | 1/4 | 3,198.78 | 1/4 | 2,840.11 | 1/4 | 2,481.44 | 1/4 | 2,122.77 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,980.49 | 1/2 | 4,624.29 | 1/2 | 4,266.68 | 1/2 | 3,908.65 | 1/2 | 3,549.98 | 1/2 | 3,191.31 | 1/2 | 2,832.64 | 1/2 | 2,473.97 | 1/2 | 2,115.30 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,973.12 | 3/4 | 4,616.84 | 3/4 | 4,259.23 | 3/4 | 3,901.18 | 3/4 | 3,542.51 | 3/4 | 3,183.84 | 3/4 | 2,825.17 | 3/4 | 2,466.50 | 3/4 | 2,107.83 |
| 11 | 11 | 11 | 11 | 11 | 4,965.74 | 11 | 4,609.39 | 11 | 4,251.78 | 11 | 3,893.71 | 11 | 3,535.04 | 11 | 3,176.37 | 11 | 2,817.70 | 11 | 2,459.03 | 11 | 2,100.36 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,958.36 | 1/4 | 4,601.94 | 1/4 | 4,244.33 | 1/4 | 3,886.24 | 1/4 | 3,527.57 | 1/4 | 3,168.90 | 1/4 | 2,810.23 | 1/4 | 2,451.56 | 1/4 | 2,092.88 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,950.98 | 1/2 | 4,594.49 | 1/2 | 4,236.88 | 1/2 | 3,878.76 | 1/2 | 3,520.09 | 1/2 | 3,161.42 | 1/2 | 2,802.75 | 1/2 | 2,444.08 | 1/2 | 2,085.41 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,943.60 | 3/4 | 4,587.04 | 3/4 | 4,229.43 | 3/4 | 3,871.29 | 3/4 | 3,512.62 | 3/4 | 3,153.95 | 3/4 | 2,795.28 | 3/4 | 2,436.61 | 3/4 | 2,077.94 |

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
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD

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





BARGE "CTC 29101"

2 PORT

ULLAGE TABLE HERMETIC

GAUGE HEIGHT 15'-09 3/4"

FORMERLY: E2MS 319

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 2,070.47 | 0 | 1,711.80 | 0 | 1,353.13 | 0 | 1,001.96 | 0 | 650.25 | 0 | 291.58 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 2,063.00 | 1/4 | 1,704.33 | 1/4 | 1,345.65 | 1/4 | 994.79 | 1/4 | 642.78 | 1/4 | 284.11 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,055.52 | 1/2 | 1,696.85 | 1/2 | 1,338.18 | 1/2 | 987.63 | 1/2 | 635.31 | 1/2 | 276.64 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,048.05 | 3/4 | 1,689.38 | 3/4 | 1,330.71 | 3/4 | 980.46 | 3/4 | 627.83 | 3/4 | 269.16 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 2,040.58 | 1 | 1,681.91 | 1 | 1,323.24 | 1 | 973.30 | 1 | 620.36 | 1 | 261.69 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 2,033.11 | 1/4 | 1,674.44 | 1/4 | 1,315.77 | 1/4 | 966.13 | 1/4 | 612.89 | 1/4 | 254.22 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,025.63 | 1/2 | 1,666.96 | 1/2 | 1,308.29 | 1/2 | 958.97 | 1/2 | 605.42 | 1/2 | 246.75 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,018.16 | 3/4 | 1,659.49 | 3/4 | 1,300.82 | 3/4 | 951.80 | 3/4 | 597.95 | 3/4 | 239.27 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 2,010.69 | 2 | 1,652.02 | 2 | 1,293.35 | 2 | 944.63 | 2 | 590.47 | 2 | 231.80 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/4 | 2,003.22 | 1/4 | 1,644.55 | 1/4 | 1,285.88 | 1/4 | 937.47 | 1/4 | 583.00 | 1/4 | 224.33 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,995.74 | 1/2 | 1,637.07 | 1/2 | 1,278.40 | 1/2 | 930.30 | 1/2 | 575.53 | 1/2 | 216.86 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,988.27 | 3/4 | 1,629.60 | 3/4 | 1,270.93 | 3/4 | 923.14 | 3/4 | 568.06 | 3/4 | 209.39 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 1,980.80 | 3 | 1,622.13 | 3 | 1,263.46 | 3 | 915.97 | 3 | 560.58 | 3 | 201.91 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1/4 | 1,973.33 | 1/4 | 1,614.66 | 1/4 | 1,255.99 | 1/4 | 908.81 | 1/4 | 553.11 | 1/4 | 194.44 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,965.86 | 1/2 | 1,607.19 | 1/2 | 1,248.51 | 1/2 | 901.64 | 1/2 | 545.64 | 1/2 | 186.97 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,958.38 | 3/4 | 1,599.71 | 3/4 | 1,241.04 | 3/4 | 894.47 | 3/4 | 538.17 | 3/4 | 179.50 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 1,950.91 | 4 | 1,592.24 | 4 | 1,233.57 | 4 | 887.31 | 4 | 530.69 | 4 | 172.02 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1/4 | 1,943.44 | 1/4 | 1,584.77 | 1/4 | 1,226.10 | 1/4 | 880.14 | 1/4 | 523.22 | 1/4 | 164.55 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,935.97 | 1/2 | 1,577.30 | 1/2 | 1,218.63 | 1/2 | 872.98 | 1/2 | 515.75 | 1/2 | 157.08 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,928.49 | 3/4 | 1,569.82 | 3/4 | 1,211.15 | 3/4 | 865.81 | 3/4 | 508.28 | 3/4 | 149.61 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 1,921.02 | 5 | 1,562.35 | 5 | 1,203.68 | 5 | 858.62 | 5 | 500.81 | 5 | 142.14 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1/4 | 1,913.55 | 1/4 | 1,554.88 | 1/4 | 1,196.21 | 1/4 | 851.44 | 1/4 | 493.33 | 1/4 | 134.67 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,906.08 | 1/2 | 1,547.41 | 1/2 | 1,188.74 | 1/2 | 844.25 | 1/2 | 485.86 | 1/2 | 127.19 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,898.60 | 3/4 | 1,539.93 | 3/4 | 1,181.26 | 3/4 | 837.06 | 3/4 | 478.39 | 3/4 | 119.72 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 1,891.13 | 6 | 1,532.46 | 6 | 1,174.07 | 6 | 829.59 | 6 | 470.92 | 6 | 112.26 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1/4 | 1,883.66 | 1/4 | 1,524.99 | 1/4 | 1,166.88 | 1/4 | 822.11 | 1/4 | 463.44 | 1/4 | 104.80 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,876.19 | 1/2 | 1,517.52 | 1/2 | 1,159.69 | 1/2 | 814.64 | 1/2 | 455.97 | 1/2 | 97.34 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,868.72 | 3/4 | 1,510.05 | 3/4 | 1,152.50 | 3/4 | 807.17 | 3/4 | 448.50 | 3/4 | 89.88 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 1,861.24 | 7 | 1,502.57 | 7 | 1,145.33 | 7 | 799.70 | 7 | 441.03 | 7 | 82.44 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1/4 | 1,853.77 | 1/4 | 1,495.10 | 1/4 | 1,138.16 | 1/4 | 792.23 | 1/4 | 433.55 | 1/4 | 75.01 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,846.30 | 1/2 | 1,487.63 | 1/2 | 1,130.98 | 1/2 | 784.75 | 1/2 | 426.08 | 1/2 | 67.57 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,838.83 | 3/4 | 1,480.16 | 3/4 | 1,123.81 | 3/4 | 777.28 | 3/4 | 418.61 | 3/4 | 60.13 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 1,831.35 | 8 | 1,472.68 | 8 | 1,116.63 | 8 | 769.81 | 8 | 411.14 | 8 | 53.60 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1/4 | 1,823.88 | 1/4 | 1,465.21 | 1/4 | 1,109.46 | 1/4 | 762.34 | 1/4 | 403.67 | 1/4 | 47.06 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,816.41 | 1/2 | 1,457.74 | 1/2 | 1,102.29 | 1/2 | 754.86 | 1/2 | 396.19 | 1/2 | 40.52 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,808.94 | 3/4 | 1,450.27 | 3/4 | 1,095.11 | 3/4 | 747.39 | 3/4 | 388.72 | 3/4 | 33.99 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 1,801.46 | 9 | 1,442.79 | 9 | 1,087.95 | 9 | 739.92 | 9 | 381.25 | 9 | 29.32 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1/4 | 1,793.99 | 1/4 | 1,435.32 | 1/4 | 1,080.78 | 1/4 | 732.45 | 1/4 | 373.78 | 1/4 | 24.65 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,786.52 | 1/2 | 1,427.85 | 1/2 | 1,073.61 | 1/2 | 724.97 | 1/2 | 366.30 | 1/2 | 19.98 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,779.05 | 3/4 | 1,420.38 | 3/4 | 1,066.45 | 3/4 | 717.50 | 3/4 | 358.83 | 3/4 | 15.31 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 1,771.58 | 10 | 1,412.91 | 10 | 1,059.28 | 10 | 710.03 | 10 | 351.36 | 10 | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1/4 | 1,764.10 | 1/4 | 1,405.43 | 1/4 | 1,052.12 | 1/4 | 702.56 | 1/4 | 343.89 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,756.63 | 1/2 | 1,397.96 | 1/2 | 1,044.95 | 1/2 | 695.09 | 1/2 | 336.41 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,749.16 | 3/4 | 1,390.49 | 3/4 | 1,037.79 | 3/4 | 687.61 | 3/4 | 328.94 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 1,741.69 | 11 | 1,383.02 | 11 | 1,030.62 | 11 | 680.14 | 11 | 321.47 | 11 | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1/4 | 1,734.21 | 1/4 | 1,375.54 | 1/4 | 1,023.46 | 1/4 | 672.67 | 1/4 | 314.00 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,726.74 | 1/2 | 1,368.07 | 1/2 | 1,016.29 | 1/2 | 665.20 | 1/2 | 306.53 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,719.27 | 3/4 | 1,360.60 | 3/4 | 1,009.12 | 3/4 | 657.72 | 3/4 | 299.05 | 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: 03/16/2020 CL
CALCULATED: 03/17/2020 CL
PRINTED: 03/19/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2020

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



BARGE "CTC 29101"

2 STBD ULLAGE TABLE

HERMETIC GAUGE HEIGHT 15'-09 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: E2MS 319

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. | | |
|-----|-------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|----|----------|
| 0 | 0 | 0 | 0 | 0 | 4,947.85 | 0 | 4,590.33 | 0 | 4,231.84 | 0 | 3,872.78 | 0 | 3,513.26 | 0 | 3,153.74 | 0 | 2,794.22 | 0 | 2,434.63 | | |
| 1/4 | | 1/4 | | 1/4 | 4,940.46 | 1/4 | 4,582.86 | 1/4 | 4,224.38 | 1/4 | 3,865.29 | 1/4 | 3,505.77 | 1/4 | 3,146.25 | 1/4 | 2,786.73 | 1/4 | 2,427.14 | | |
| 1/2 | | 1/2 | | 1/2 | 4,933.06 | 1/2 | 4,575.39 | 1/2 | 4,216.91 | 1/2 | 3,857.80 | 1/2 | 3,498.28 | 1/2 | 3,138.76 | 1/2 | 2,779.24 | 1/2 | 2,419.65 | | |
| 3/4 | | 3/4 | | 3/4 | 4,925.67 | 3/4 | 4,567.92 | 3/4 | 4,209.44 | 3/4 | 3,850.31 | 3/4 | 3,490.79 | 3/4 | 3,131.27 | 3/4 | 2,771.75 | 3/4 | 2,412.15 | | |
| 1 | 1 | 1 | 1 | 1 | 4,918.27 | 1 | 4,560.45 | 1 | 4,201.97 | 1 | 3,842.82 | 1 | 3,483.30 | 1 | 3,123.78 | 1 | 2,764.26 | 1 | 2,404.66 | | |
| 1/4 | | 1/4 | | 1/4 | 4,910.88 | 1/4 | 4,552.99 | 1/4 | 4,194.50 | 1/4 | 3,835.33 | 1/4 | 3,475.81 | 1/4 | 3,116.29 | 1/4 | 2,756.77 | 1/4 | 2,397.17 | | |
| 1/2 | | 1/2 | | 1/2 | 4,903.48 | 1/2 | 4,545.52 | 1/2 | 4,187.03 | 1/2 | 3,827.84 | 1/2 | 3,468.32 | 1/2 | 3,108.80 | 1/2 | 2,749.28 | 1/2 | 2,389.68 | | |
| 3/4 | | 3/4 | | 3/4 | 4,896.09 | 3/4 | 4,538.05 | 3/4 | 4,179.57 | 3/4 | 3,820.35 | 3/4 | 3,460.83 | 3/4 | 3,101.31 | 3/4 | 2,741.79 | 3/4 | 2,382.18 | | |
| 2 | 2 | 2 | 2 | 2 | 4,888.70 | 2 | 4,530.58 | 2 | 4,172.10 | 2 | 3,812.86 | 2 | 3,453.34 | 2 | 3,093.82 | 2 | 2,734.30 | 2 | 2,374.69 | | |
| 1/4 | | 1/4 | | 1/4 | 4,881.30 | 1/4 | 4,523.11 | 1/4 | 4,164.63 | 1/4 | 3,805.37 | 1/4 | 3,445.85 | 1/4 | 3,086.33 | 1/4 | 2,726.81 | 1/4 | 2,367.20 | | |
| 1/2 | | 1/2 | | 1/2 | 4,873.91 | 1/2 | 4,515.64 | 1/2 | 4,157.16 | 1/2 | 3,797.88 | 1/2 | 3,438.36 | 1/2 | 3,078.84 | 1/2 | 2,719.32 | 1/2 | 2,359.71 | | |
| 3/4 | | 3/4 | | 3/4 | 4,866.51 | 3/4 | 4,508.18 | 3/4 | 4,149.69 | 3/4 | 3,790.39 | 3/4 | 3,430.87 | 3/4 | 3,071.35 | 3/4 | 2,711.83 | 3/4 | 2,352.22 | | |
| 3 | 3 | 3 | 3 | 3 | 4,859.12 | 3 | 4,500.71 | 3 | 4,142.22 | 3 | 3,782.90 | 3 | 3,423.38 | 3 | 3,063.86 | 3 | 2,704.34 | 3 | 2,344.72 | | |
| 1/4 | | 1/4 | | 1/4 | 4,851.72 | 1/4 | 4,493.24 | 1/4 | 4,134.76 | 1/4 | 3,775.41 | 1/4 | 3,415.89 | 1/4 | 3,056.37 | 1/4 | 2,696.85 | 1/4 | 2,337.23 | | |
| 1/2 | | 1/2 | | 1/2 | 4,844.25 | 1/2 | 4,485.77 | 1/2 | 4,127.29 | 1/2 | 3,767.92 | 1/2 | 3,408.40 | 1/2 | 3,048.88 | 1/2 | 2,689.36 | 1/2 | 2,329.74 | | |
| 3/4 | | 3/4 | | 3/4 | 4,836.79 | 3/4 | 4,478.30 | 3/4 | 4,119.82 | 3/4 | 3,760.43 | 3/4 | 3,400.91 | 3/4 | 3,041.39 | 3/4 | 2,681.87 | 3/4 | 2,322.25 | | |
| 4 | 4 | 4 | 4 | 4 | 4,829.32 | 4 | 4,470.83 | 4 | 4,112.35 | 4 | 3,752.94 | 4 | 3,393.42 | 4 | 3,033.90 | 4 | 2,674.38 | 4 | 2,314.76 | | |
| 1/4 | | 1/4 | | 1/4 | 4,821.85 | 1/4 | 4,463.37 | 1/4 | 4,104.88 | 1/4 | 3,745.45 | 1/4 | 3,385.93 | 1/4 | 3,026.41 | 1/4 | 2,666.89 | 1/4 | 2,307.26 | | |
| 1/2 | | 1/2 | | 1/2 | 4,814.38 | 1/2 | 4,455.90 | 1/2 | 4,097.41 | 1/2 | 3,737.96 | 1/2 | 3,378.44 | 1/2 | 3,018.92 | 1/2 | 2,659.40 | 1/2 | 2,299.77 | | |
| 3/4 | | 3/4 | | 3/4 | 4,806.91 | 3/4 | 4,448.43 | 3/4 | 4,089.95 | 3/4 | 3,730.47 | 3/4 | 3,370.95 | 3/4 | 3,011.43 | 3/4 | 2,651.90 | 3/4 | 2,292.28 | | |
| 5 | 5 | 5 | 5 | 5 | 4,799.44 | 5 | 4,440.96 | 5 | 4,082.48 | 5 | 3,722.98 | 5 | 3,363.46 | 5 | 3,003.94 | 5 | 2,644.41 | 5 | 2,284.79 | | |
| 1/4 | | 1/4 | | 1/4 | 4,791.97 | 1/4 | 4,433.49 | 1/4 | 4,075.01 | 1/4 | 3,715.49 | 1/4 | 3,355.97 | 1/4 | 2,996.45 | 1/4 | 2,636.92 | 1/4 | 2,277.29 | | |
| 1/2 | | 1/2 | | 1/2 | 4,784.51 | 1/2 | 4,426.02 | 1/2 | 4,067.52 | 1/2 | 3,708.00 | 1/2 | 3,348.48 | 1/2 | 2,988.96 | 1/2 | 2,629.43 | 1/2 | 2,269.80 | | |
| 3/4 | | 3/4 | | 3/4 | 4,777.04 | 3/4 | 4,418.55 | 3/4 | 4,060.03 | 3/4 | 3,700.51 | 3/4 | 3,340.99 | 3/4 | 2,981.47 | 3/4 | 2,621.94 | 3/4 | 2,262.31 | | |
| 6 | 6 | 6 | 6 | 6 | 4,769.57 | 6 | 4,411.09 | 6 | 4,052.54 | 6 | 3,693.02 | 6 | 3,333.50 | 6 | 2,973.98 | 6 | 2,614.44 | 6 | 2,254.82 | | |
| 1/4 | | 1/4 | 5,105.14 | 1/4 | 4,762.10 | 1/4 | 4,403.62 | 1/4 | 4,045.05 | 1/4 | 3,685.53 | 1/4 | 3,326.01 | 1/4 | 2,966.49 | 1/4 | 2,606.95 | 1/4 | 2,247.33 | | |
| 1/2 | | 1/2 | 5,099.93 | 1/2 | 4,754.63 | 1/2 | 4,396.15 | 1/2 | 4,037.56 | 1/2 | 3,678.04 | 1/2 | 3,318.52 | 1/2 | 2,959.00 | 1/2 | 2,599.46 | 1/2 | 2,239.83 | | |
| 3/4 | | 3/4 | 5,094.72 | 3/4 | 4,747.16 | 3/4 | 4,388.68 | 3/4 | 4,030.07 | 3/4 | 3,670.55 | 3/4 | 3,311.03 | 3/4 | 2,951.51 | 3/4 | 2,591.97 | 3/4 | 2,232.34 | | |
| 7 | 7 | 7 | 7 | 7 | 5,089.51 | 7 | 4,739.70 | 7 | 4,381.21 | 7 | 4,022.58 | 7 | 3,663.06 | 7 | 3,303.54 | 7 | 2,944.02 | 7 | 2,224.85 | | |
| 1/4 | | 1/4 | 5,084.29 | 1/4 | 4,732.23 | 1/4 | 4,373.74 | 1/4 | 4,015.09 | 1/4 | 3,655.57 | 1/4 | 3,296.05 | 1/4 | 2,936.53 | 1/4 | 2,576.98 | 1/4 | 2,217.36 | | |
| 1/2 | | 1/2 | 5,077.83 | 1/2 | 4,724.76 | 1/2 | 4,366.28 | 1/2 | 4,007.60 | 1/2 | 3,648.08 | 1/2 | 3,288.56 | 1/2 | 2,929.04 | 1/2 | 2,569.49 | 1/2 | 2,209.86 | | |
| 3/4 | | 3/4 | 5,071.37 | 3/4 | 4,717.29 | 3/4 | 4,358.81 | 3/4 | 4,000.11 | 3/4 | 3,640.59 | 3/4 | 3,281.07 | 3/4 | 2,921.55 | 3/4 | 2,562.00 | 3/4 | 2,202.37 | | |
| 8 | 8 | 8 | 8 | 8 | 5,064.91 | 8 | 4,709.82 | 8 | 4,351.34 | 8 | 3,992.62 | 8 | 3,633.10 | 8 | 3,273.58 | 8 | 2,914.06 | 8 | 2,554.51 | 8 | 2,194.88 |
| 1/4 | | 1/4 | 5,058.45 | 1/4 | 4,702.35 | 1/4 | 4,343.87 | 1/4 | 3,985.13 | 1/4 | 3,625.61 | 1/4 | 3,266.09 | 1/4 | 2,906.57 | 1/4 | 2,547.01 | 1/4 | 2,187.39 | | |
| 1/2 | | 1/2 | 5,051.13 | 1/2 | 4,694.89 | 1/2 | 4,336.40 | 1/2 | 3,977.64 | 1/2 | 3,618.12 | 1/2 | 3,258.60 | 1/2 | 2,899.08 | 1/2 | 2,539.52 | 1/2 | 2,179.90 | | |
| 3/4 | | 3/4 | 5,043.80 | 3/4 | 4,687.42 | 3/4 | 4,328.93 | 3/4 | 3,970.15 | 3/4 | 3,610.63 | 3/4 | 3,251.11 | 3/4 | 2,891.59 | 3/4 | 2,532.03 | 3/4 | 2,172.40 | | |
| 9 | 9 | 9 | 9 | 9 | 5,036.48 | 9 | 4,679.95 | 9 | 4,321.47 | 9 | 3,962.66 | 9 | 3,603.14 | 9 | 3,243.62 | 9 | 2,884.10 | 9 | 2,524.54 | 9 | 2,164.91 |
| 1/4 | | 1/4 | 5,029.15 | 1/4 | 4,672.48 | 1/4 | 4,314.00 | 1/4 | 3,955.17 | 1/4 | 3,595.65 | 1/4 | 3,236.13 | 1/4 | 2,876.61 | 1/4 | 2,517.04 | 1/4 | 2,157.42 | | |
| 1/2 | | 1/2 | 5,021.77 | 1/2 | 4,665.01 | 1/2 | 4,306.53 | 1/2 | 3,947.68 | 1/2 | 3,588.16 | 1/2 | 3,228.64 | 1/2 | 2,869.12 | 1/2 | 2,509.55 | 1/2 | 2,149.93 | | |
| 3/4 | | 3/4 | 5,014.39 | 3/4 | 4,657.54 | 3/4 | 4,299.06 | 3/4 | 3,940.19 | 3/4 | 3,580.67 | 3/4 | 3,221.15 | 3/4 | 2,861.63 | 3/4 | 2,502.06 | 3/4 | 2,142.43 | | |
| 10 | 10 | 10 | 10 | 10 | 5,007.01 | 10 | 4,650.08 | 10 | 4,291.59 | 10 | 3,932.70 | 10 | 3,573.18 | 10 | 3,213.66 | 10 | 2,854.14 | 10 | 2,494.57 | 10 | 2,134.94 |
| 1/4 | | 1/4 | 4,999.62 | 1/4 | 4,642.61 | 1/4 | 4,284.12 | 1/4 | 3,925.21 | 1/4 | 3,565.69 | 1/4 | 3,206.17 | 1/4 | 2,846.65 | 1/4 | 2,487.08 | 1/4 | 2,127.45 | | |
| 1/2 | | 1/2 | 4,992.23 | 1/2 | 4,635.14 | 1/2 | 4,276.66 | 1/2 | 3,917.72 | 1/2 | 3,558.20 | 1/2 | 3,198.68 | 1/2 | 2,839.16 | 1/2 | 2,479.58 | 1/2 | 2,119.96 | | |
| 3/4 | | 3/4 | 4,984.83 | 3/4 | 4,627.67 | 3/4 | 4,269.19 | 3/4 | 3,910.23 | 3/4 | 3,550.71 | 3/4 | 3,191.19 | 3/4 | 2,831.67 | 3/4 | 2,472.09 | 3/4 | 2,112.47 | | |
| 11 | 11 | 11 | 11 | 11 | 4,977.44 | 11 | 4,620.20 | 11 | 4,261.72 | 11 | 3,902.74 | 11 | 3,543.22 | 11 | 3,183.70 | 11 | 2,824.18 | 11 | 2,464.60 | 11 | 2,104.97 |
| 1/4 | | 1/4 | 4,970.04 | 1/4 | 4,612.73 | 1/4 | 4,254.25 | 1/4 | 3,895.25 | 1/4 | 3,535.73 | 1/4 | 3,176.21 | 1/4 | 2,816.69 | 1/4 | 2,457.11 | 1/4 | 2,097.48 | | |
| 1/2 | | 1/2 | 4,962.65 | 1/2 | 4,605.26 | 1/2 | 4,246.78 | 1/2 | 3,887.76 | 1/2 | 3,528.24 | 1/2 | 3,168.72 | 1/2 | 2,809.20 | 1/2 | 2,449.61 | 1/2 | 2,089.99 | | |
| 3/4 | | 3/4 | 4,955.25 | 3/4 | 4,597.80 | 3/4 | 4,239.31 | 3/4 | 3,880.27 | 3/4 | 3,520.75 | 3/4 | 3,161.23 | 3/4 | 2,801.71 | 3/4 | 2,442.12 | 3/4 | 2,082.50 | | |

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
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD

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





BARGE "CTC 29101"

2 STBD

ULLAGE TABLE HERMETIC

GAUGE HEIGHT 15'-09 1/4"

FORMERLY: E2MS 319

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 2,075.00 | 0 | 1,715.38 | 0 | 1,355.75 | 0 | 996.39 | 0 | 637.00 | 0 | 277.38 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 2,067.51 | 1/4 | 1,707.89 | 1/4 | 1,348.26 | 1/4 | 988.91 | 1/4 | 629.51 | 1/4 | 269.89 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,060.02 | 1/2 | 1,700.39 | 1/2 | 1,340.77 | 1/2 | 981.43 | 1/2 | 622.02 | 1/2 | 262.39 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,052.53 | 3/4 | 1,692.90 | 3/4 | 1,333.28 | 3/4 | 973.95 | 3/4 | 614.53 | 3/4 | 254.90 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 2,045.04 | 1 | 1,685.41 | 1 | 1,325.78 | 1 | 966.48 | 1 | 607.04 | 1 | 247.41 | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 2,037.54 | 1/4 | 1,677.92 | 1/4 | 1,318.29 | 1/4 | 959.00 | 1/4 | 599.54 | 1/4 | 239.92 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,030.05 | 1/2 | 1,670.43 | 1/2 | 1,310.80 | 1/2 | 951.52 | 1/2 | 592.05 | 1/2 | 232.43 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,022.56 | 3/4 | 1,662.93 | 3/4 | 1,303.31 | 3/4 | 944.04 | 3/4 | 584.56 | 3/4 | 224.93 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 2,015.07 | 2 | 1,655.44 | 2 | 1,295.82 | 2 | 936.56 | 2 | 577.07 | 2 | 217.44 | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 2,007.57 | 1/4 | 1,647.95 | 1/4 | 1,288.32 | 1/4 | 929.09 | 1/4 | 569.57 | 1/4 | 209.95 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,000.08 | 1/2 | 1,640.46 | 1/2 | 1,280.83 | 1/2 | 921.61 | 1/2 | 562.08 | 1/2 | 202.46 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,992.59 | 3/4 | 1,632.96 | 3/4 | 1,273.34 | 3/4 | 914.13 | 3/4 | 554.59 | 3/4 | 194.96 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 1,985.10 | 3 | 1,625.47 | 3 | 1,265.85 | 3 | 906.65 | 3 | 547.10 | 3 | 187.47 | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 1,977.61 | 1/4 | 1,617.98 | 1/4 | 1,258.35 | 1/4 | 899.17 | 1/4 | 539.61 | 1/4 | 179.98 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,970.11 | 1/2 | 1,610.49 | 1/2 | 1,250.86 | 1/2 | 891.70 | 1/2 | 532.11 | 1/2 | 172.49 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,962.62 | 3/4 | 1,603.00 | 3/4 | 1,243.37 | 3/4 | 884.22 | 3/4 | 524.62 | 3/4 | 165.00 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 1,955.13 | 4 | 1,595.50 | 4 | 1,235.88 | 4 | 876.74 | 4 | 517.13 | 4 | 157.50 | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 1,947.64 | 1/4 | 1,588.01 | 1/4 | 1,228.39 | 1/4 | 869.26 | 1/4 | 509.64 | 1/4 | 150.01 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,940.15 | 1/2 | 1,580.52 | 1/2 | 1,220.89 | 1/2 | 861.77 | 1/2 | 502.15 | 1/2 | 142.52 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,932.65 | 3/4 | 1,573.03 | 3/4 | 1,213.40 | 3/4 | 854.28 | 3/4 | 494.65 | 3/4 | 135.03 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 1,925.16 | 5 | 1,565.54 | 5 | 1,205.91 | 5 | 846.79 | 5 | 487.16 | 5 | 127.54 | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 1,917.67 | 1/4 | 1,558.04 | 1/4 | 1,198.42 | 1/4 | 839.29 | 1/4 | 479.67 | 1/4 | 120.05 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,910.18 | 1/2 | 1,550.55 | 1/2 | 1,190.93 | 1/2 | 831.80 | 1/2 | 472.18 | 1/2 | 112.57 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,902.68 | 3/4 | 1,543.06 | 3/4 | 1,183.43 | 3/4 | 824.31 | 3/4 | 464.68 | 3/4 | 105.08 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 1,895.19 | 6 | 1,535.57 | 6 | 1,175.94 | 6 | 816.82 | 6 | 457.19 | 6 | 97.60 | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 1,887.70 | 1/4 | 1,528.07 | 1/4 | 1,168.45 | 1/4 | 809.33 | 1/4 | 449.70 | 1/4 | 90.12 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,880.21 | 1/2 | 1,520.58 | 1/2 | 1,160.96 | 1/2 | 801.83 | 1/2 | 442.21 | 1/2 | 82.67 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,872.72 | 3/4 | 1,513.09 | 3/4 | 1,153.48 | 3/4 | 794.34 | 3/4 | 434.72 | 3/4 | 75.21 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 1,865.22 | 7 | 1,505.60 | 7 | 1,145.99 | 7 | 786.85 | 7 | 427.22 | 7 | 67.75 | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 1,857.73 | 1/4 | 1,498.11 | 1/4 | 1,138.50 | 1/4 | 779.36 | 1/4 | 419.73 | 1/4 | 60.30 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,850.24 | 1/2 | 1,490.61 | 1/2 | 1,131.02 | 1/2 | 771.86 | 1/2 | 412.24 | 1/2 | 53.74 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,842.75 | 3/4 | 1,483.12 | 3/4 | 1,123.53 | 3/4 | 764.37 | 3/4 | 404.75 | 3/4 | 47.19 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 1,835.25 | 8 | 1,475.63 | 8 | 1,116.04 | 8 | 756.88 | 8 | 397.25 | 8 | 40.64 | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 1,827.76 | 1/4 | 1,468.14 | 1/4 | 1,108.56 | 1/4 | 749.39 | 1/4 | 389.76 | 1/4 | 34.08 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,820.27 | 1/2 | 1,460.64 | 1/2 | 1,101.08 | 1/2 | 741.90 | 1/2 | 382.27 | 1/2 | 29.40 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,812.78 | 3/4 | 1,453.15 | 3/4 | 1,093.60 | 3/4 | 734.40 | 3/4 | 374.78 | 3/4 | 24.72 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 1,805.29 | 9 | 1,445.66 | 9 | 1,086.12 | 9 | 726.91 | 9 | 367.29 | 9 | 20.03 | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 1,797.79 | 1/4 | 1,438.17 | 1/4 | 1,078.64 | 1/4 | 719.42 | 1/4 | 359.79 | 1/4 | 15.35 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,790.30 | 1/2 | 1,430.68 | 1/2 | 1,071.17 | 1/2 | 711.93 | 1/2 | 352.30 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,782.81 | 3/4 | 1,423.18 | 3/4 | 1,063.69 | 3/4 | 704.43 | 3/4 | 344.81 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 1,775.32 | 10 | 1,415.69 | 10 | 1,056.21 | 10 | 696.94 | 10 | 337.32 | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 1,767.82 | 1/4 | 1,408.20 | 1/4 | 1,048.73 | 1/4 | 689.45 | 1/4 | 329.82 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,760.33 | 1/2 | 1,400.71 | 1/2 | 1,041.25 | 1/2 | 681.96 | 1/2 | 322.33 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,752.84 | 3/4 | 1,393.21 | 3/4 | 1,033.78 | 3/4 | 674.47 | 3/4 | 314.84 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 1,745.35 | 11 | 1,385.72 | 11 | 1,026.30 | 11 | 666.97 | 11 | 307.35 | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 1,737.86 | 1/4 | 1,378.23 | 1/4 | 1,018.82 | 1/4 | 659.48 | 1/4 | 299.86 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,730.36 | 1/2 | 1,370.74 | 1/2 | 1,011.34 | 1/2 | 651.99 | 1/2 | 292.36 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,722.87 | 3/4 | 1,363.25 | 3/4 | 1,003.87 | 3/4 | 644.50 | 3/4 | 284.87 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/16/2020 CL
CALCULATED: 03/17/2020 CL
PRINTED: 03/19/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2020

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



BARGE "CTC 29101"

3 PORT ULLAGE TABLE

HERMETIC GAUGE HEIGHT 15'-09 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: E2MS 319

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. | | |
|-----|-------|-----|-------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| 0 | 0 | 0 | 0 | 0 | 4,358.59 | 0 | 4,140.64 | 0 | 3,922.02 | 0 | 3,703.09 | 0 | 3,473.92 | 0 | 3,126.56 | 0 | 2,770.61 | 0 | 2,414.62 | | |
| 1/4 | | 1/4 | | 1/4 | 4,354.08 | 1/4 | 4,136.08 | 1/4 | 3,917.46 | 1/4 | 3,698.52 | 1/4 | 3,467.72 | 1/4 | 3,119.14 | 1/4 | 2,763.19 | 1/4 | 2,407.19 | | |
| 1/2 | | 1/2 | | 1/2 | 4,349.57 | 1/2 | 4,131.53 | 1/2 | 3,912.91 | 1/2 | 3,693.95 | 1/2 | 3,461.53 | 1/2 | 3,111.73 | 1/2 | 2,755.78 | 1/2 | 2,399.76 | | |
| 3/4 | | 3/4 | | 3/4 | 4,345.05 | 3/4 | 4,126.97 | 3/4 | 3,908.36 | 3/4 | 3,689.38 | 3/4 | 3,455.34 | 3/4 | 3,104.31 | 3/4 | 2,748.36 | 3/4 | 2,392.34 | | |
| 1 | 1 | 1 | 1 | 1 | 4,340.54 | 1 | 4,122.42 | 1 | 3,903.80 | 1 | 3,684.82 | 1 | 3,448.67 | 1 | 3,096.90 | 1 | 2,740.95 | 1 | 2,384.91 | | |
| 1/4 | | 1/4 | | 1/4 | 4,336.03 | 1/4 | 4,117.86 | 1/4 | 3,899.25 | 1/4 | 3,680.25 | 1/4 | 3,442.00 | 1/4 | 3,089.48 | 1/4 | 2,733.53 | 1/4 | 2,377.49 | | |
| 1/2 | | 1/2 | | 1/2 | 4,331.52 | 1/2 | 4,113.31 | 1/2 | 3,894.69 | 1/2 | 3,675.68 | 1/2 | 3,435.33 | 1/2 | 3,082.06 | 1/2 | 2,726.12 | 1/2 | 2,370.06 | | |
| 3/4 | | 3/4 | | 3/4 | 4,327.01 | 3/4 | 4,108.75 | 3/4 | 3,890.14 | 3/4 | 3,671.12 | 3/4 | 3,428.66 | 3/4 | 3,074.65 | 3/4 | 2,718.70 | 3/4 | 2,362.64 | | |
| 2 | 2 | 2 | 2 | 2 | 4,322.50 | 2 | 4,104.20 | 2 | 3,885.58 | 2 | 3,666.55 | 2 | 3,421.51 | 2 | 3,067.23 | 2 | 2,711.28 | 2 | 2,355.21 | | |
| 1/4 | | 1/4 | | 1/4 | 4,317.99 | 1/4 | 4,099.64 | 1/4 | 3,881.03 | 1/4 | 3,661.98 | 1/4 | 3,414.36 | 1/4 | 3,059.82 | 1/4 | 2,703.87 | 1/4 | 2,347.78 | | |
| 1/2 | | 1/2 | | 1/2 | 4,313.48 | 1/2 | 4,095.09 | 1/2 | 3,876.47 | 1/2 | 3,657.41 | 1/2 | 3,407.22 | 1/2 | 3,052.40 | 1/2 | 2,696.45 | 1/2 | 2,340.36 | | |
| 3/4 | | 3/4 | | 3/4 | 4,308.97 | 3/4 | 4,090.54 | 3/4 | 3,871.92 | 3/4 | 3,652.85 | 3/4 | 3,400.07 | 3/4 | 3,044.99 | 3/4 | 2,689.04 | 3/4 | 2,332.93 | | |
| 3 | 3 | 3 | 3 | 3 | 4,304.46 | 3 | 4,085.98 | 3 | 3,867.37 | 3 | 3,648.28 | 3 | 3,392.70 | 3 | 3,037.57 | 3 | 2,681.62 | 3 | 2,325.51 | | |
| 1/4 | | 1/4 | | 1/4 | 4,299.95 | 1/4 | 4,081.43 | 1/4 | 3,862.81 | 1/4 | 3,643.71 | 1/4 | 3,385.32 | 1/4 | 3,030.15 | 1/4 | 2,674.21 | 1/4 | 2,318.08 | | |
| 1/2 | | 1/2 | | 1/2 | 4,295.44 | 1/2 | 4,076.87 | 1/2 | 3,858.26 | 1/2 | 3,639.14 | 1/2 | 3,377.95 | 1/2 | 3,022.74 | 1/2 | 2,666.79 | 1/2 | 2,310.65 | | |
| 3/4 | | 3/4 | | 3/4 | 4,290.93 | 3/4 | 4,072.32 | 3/4 | 3,853.70 | 3/4 | 3,634.58 | 3/4 | 3,370.58 | 3/4 | 3,015.32 | 3/4 | 2,659.37 | 3/4 | 2,303.23 | | |
| 4 | 4 | 4 | 4 | 4 | 4,286.38 | 4 | 4,067.76 | 4 | 3,849.15 | 4 | 3,630.01 | 4 | 3,363.19 | 4 | 3,007.91 | 4 | 2,651.96 | 4 | 2,295.80 | | |
| 1/4 | | 1/4 | | 1/4 | 4,281.82 | 1/4 | 4,063.21 | 1/4 | 3,844.59 | 1/4 | 3,625.44 | 1/4 | 3,355.81 | 1/4 | 3,000.49 | 1/4 | 2,644.54 | 1/4 | 2,288.38 | | |
| 1/2 | | 1/2 | | 1/2 | 4,277.27 | 1/2 | 4,058.65 | 1/2 | 3,840.04 | 1/2 | 3,620.88 | 1/2 | 3,348.43 | 1/2 | 2,993.08 | 1/2 | 2,637.13 | 1/2 | 2,280.95 | | |
| 3/4 | | 3/4 | | 3/4 | 4,272.72 | 3/4 | 4,054.10 | 3/4 | 3,835.48 | 3/4 | 3,616.31 | 3/4 | 3,341.04 | 3/4 | 2,985.66 | 3/4 | 2,629.71 | 3/4 | 2,273.53 | | |
| 5 | 5 | 5 | 5 | 5 | 4,268.16 | 5 | 4,049.55 | 5 | 3,830.93 | 5 | 3,611.74 | 5 | 3,333.66 | 5 | 2,978.25 | 5 | 2,622.30 | 5 | 2,266.11 | | |
| 1/4 | | 1/4 | | 1/4 | 4,263.61 | 1/4 | 4,044.99 | 1/4 | 3,826.37 | 1/4 | 3,607.17 | 1/4 | 3,326.27 | 1/4 | 2,970.83 | 1/4 | 2,614.88 | 1/4 | 2,258.69 | | |
| 1/2 | | 1/2 | | 1/2 | 4,259.05 | 1/2 | 4,040.44 | 1/2 | 3,821.82 | 1/2 | 3,602.61 | 1/2 | 3,318.88 | 1/2 | 2,963.41 | 1/2 | 2,607.46 | 1/2 | 2,251.27 | | |
| 3/4 | | 3/4 | | 3/4 | 4,254.50 | 3/4 | 4,035.88 | 3/4 | 3,817.27 | 3/4 | 3,598.04 | 3/4 | 3,311.49 | 3/4 | 2,956.00 | 3/4 | 2,600.05 | 3/4 | 2,243.84 | | |
| 6 | 6 | 6 | 6 | 6 | 4,249.94 | 6 | 4,031.33 | 6 | 3,812.70 | 6 | 3,593.47 | 6 | 3,304.11 | 6 | 2,948.58 | 6 | 2,592.63 | 6 | 2,236.42 | | |
| 1/4 | | 1/4 | | 1/4 | 4,245.39 | 1/4 | 4,026.77 | 1/4 | 3,808.13 | 1/4 | 3,588.91 | 1/4 | 3,296.72 | 1/4 | 2,941.17 | 1/4 | 2,585.21 | 1/4 | 2,229.00 | | |
| 1/2 | | 1/2 | | 1/2 | 4,240.83 | 1/2 | 4,022.22 | 1/2 | 3,803.56 | 1/2 | 3,584.34 | 1/2 | 3,289.33 | 1/2 | 2,933.75 | 1/2 | 2,577.79 | 1/2 | 2,221.58 | | |
| 3/4 | | 3/4 | | 3/4 | 4,445.49 | 3/4 | 4,236.28 | 3/4 | 4,017.66 | 3/4 | 3,799.00 | 3/4 | 3,579.77 | 3/4 | 3,281.95 | 3/4 | 2,926.34 | 3/4 | 2,214.16 | | |
| 7 | 7 | 7 | 7 | 7 | 4,442.31 | 7 | 4,231.73 | 7 | 4,013.11 | 7 | 3,794.43 | 7 | 3,575.20 | 7 | 3,274.56 | 7 | 2,918.92 | 7 | 2,562.96 | 7 | 2,206.74 |
| 1/4 | | 1/4 | | 1/4 | 4,439.13 | 1/4 | 4,227.17 | 1/4 | 4,008.55 | 1/4 | 3,789.86 | 1/4 | 3,570.64 | 1/4 | 3,267.17 | 1/4 | 2,911.51 | 1/4 | 2,555.54 | 1/4 | 2,199.32 |
| 1/2 | | 1/2 | | 1/2 | 4,435.96 | 1/2 | 4,222.62 | 1/2 | 4,004.00 | 1/2 | 3,785.30 | 1/2 | 3,566.07 | 1/2 | 3,259.78 | 1/2 | 2,904.09 | 1/2 | 2,548.13 | 1/2 | 2,191.90 |
| 3/4 | | 3/4 | | 3/4 | 4,432.78 | 3/4 | 4,218.06 | 3/4 | 3,999.45 | 3/4 | 3,780.73 | 3/4 | 3,561.50 | 3/4 | 3,252.40 | 3/4 | 2,896.67 | 3/4 | 2,540.71 | 3/4 | 2,184.48 |
| 8 | 8 | 8 | 8 | 8 | 4,428.84 | 8 | 4,213.51 | 8 | 3,994.89 | 8 | 3,776.16 | 8 | 3,556.94 | 8 | 3,245.01 | 8 | 2,889.26 | 8 | 2,533.29 | 8 | 2,177.06 |
| 1/4 | | 1/4 | | 1/4 | 4,424.90 | 1/4 | 4,208.95 | 1/4 | 3,990.34 | 1/4 | 3,771.59 | 1/4 | 3,552.37 | 1/4 | 3,237.62 | 1/4 | 2,881.84 | 1/4 | 2,525.88 | 1/4 | 2,169.64 |
| 1/2 | | 1/2 | | 1/2 | 4,420.96 | 1/2 | 4,204.40 | 1/2 | 3,985.78 | 1/2 | 3,767.03 | 1/2 | 3,547.80 | 1/2 | 3,230.23 | 1/2 | 2,874.43 | 1/2 | 2,518.46 | 1/2 | 2,162.22 |
| 3/4 | | 3/4 | | 3/4 | 4,417.02 | 3/4 | 4,199.84 | 3/4 | 3,981.23 | 3/4 | 3,762.46 | 3/4 | 3,543.23 | 3/4 | 3,222.85 | 3/4 | 2,867.01 | 3/4 | 2,511.04 | 3/4 | 2,154.80 |
| 9 | 9 | 9 | 9 | 9 | 4,412.55 | 9 | 4,195.29 | 9 | 3,976.67 | 9 | 3,757.89 | 9 | 3,538.43 | 9 | 3,215.46 | 9 | 2,859.60 | 9 | 2,503.63 | 9 | 2,147.38 |
| 1/4 | | 1/4 | | 1/4 | 4,408.08 | 1/4 | 4,190.73 | 1/4 | 3,972.12 | 1/4 | 3,753.32 | 1/4 | 3,533.62 | 1/4 | 3,208.07 | 1/4 | 2,852.18 | 1/4 | 2,496.21 | 1/4 | 2,139.96 |
| 1/2 | | 1/2 | | 1/2 | 4,403.62 | 1/2 | 4,186.18 | 1/2 | 3,967.56 | 1/2 | 3,748.76 | 1/2 | 3,528.81 | 1/2 | 3,200.69 | 1/2 | 2,844.76 | 1/2 | 2,488.79 | 1/2 | 2,132.54 |
| 3/4 | | 3/4 | | 3/4 | 4,399.15 | 3/4 | 4,181.63 | 3/4 | 3,963.01 | 3/4 | 3,744.19 | 3/4 | 3,524.01 | 3/4 | 3,193.30 | 3/4 | 2,837.35 | 3/4 | 2,481.38 | 3/4 | 2,125.12 |
| 10 | 10 | 10 | 10 | 10 | 4,394.65 | 10 | 4,177.07 | 10 | 3,958.46 | 10 | 3,739.62 | 10 | 3,518.76 | 10 | 3,185.88 | 10 | 2,829.93 | 10 | 2,473.96 | 10 | 2,117.70 |
| 1/4 | | 1/4 | | 1/4 | 4,390.15 | 1/4 | 4,172.52 | 1/4 | 3,953.90 | 1/4 | 3,735.06 | 1/4 | 3,513.51 | 1/4 | 3,178.47 | 1/4 | 2,822.52 | 1/4 | 2,466.54 | 1/4 | 2,110.28 |
| 1/2 | | 1/2 | | 1/2 | 4,385.64 | 1/2 | 4,167.96 | 1/2 | 3,949.35 | 1/2 | 3,730.49 | 1/2 | 3,508.26 | 1/2 | 3,171.05 | 1/2 | 2,815.10 | 1/2 | 2,459.13 | 1/2 | 2,102.86 |
| 3/4 | | 3/4 | | 3/4 | 4,381.14 | 3/4 | 4,163.41 | 3/4 | 3,944.79 | 3/4 | 3,725.92 | 3/4 | 3,503.02 | 3/4 | 3,163.64 | 3/4 | 2,807.69 | 3/4 | 2,451.71 | 3/4 | 2,095.44 |
| 11 | 11 | 11 | 11 | 11 | 4,376.63 | 11 | 4,158.85 | 11 | 3,940.24 | 11 | 3,721.35 | 11 | 3,497.29 | 11 | 3,156.22 | 11 | 2,800.27 | 11 | 2,444.29 | 11 | 2,088.04 |
| 1/4 | | 1/4 | | 1/4 | 4,372.12 | 1/4 | 4,154.30 | 1/4 | 3,935.68 | 1/4 | 3,716.79 | 1/4 | 3,491.56 | 1/4 | 3,148.80 | 1/4 | 2,792.86 | 1/4 | 2,436.88 | 1/4 | 2,080.64 |
| 1/2 | | 1/2 | | 1/2 | 4,367.61 | 1/2 | 4,149.74 | 1/2 | 3,931.13 | 1/2 | 3,712.22 | 1/2 | 3,485.84 | 1/2 | 3,141.39 | 1/2 | 2,785.44 | 1/2 | 2,429.46 | 1/2 | 2,073.24 |
| 3/4 | | 3/4 | | 3/4 | 4,363.10 | 3/4 | 4,145.19 | 3/4 | 3,926.57 | 3/4 | 3,707.65 | 3/4 | 3,480.11 | 3/4 | 3,133.97 | 3/4 | 2,778.02 | 3/4 | 2,422.04 | 3/4 | 2,065.84 |

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
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD

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





BARGE "CTC 29101"

3 PORT ULLAGE TABLE HERMETIC

GAUGE HEIGHT 15'-09 3/4"

FORMERLY: E2MS 319

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 2,058.44 | 0 | 1,702.83 | 0 | 1,346.49 | 0 | 996.53 | 0 | 646.93 | 0 | 290.34 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 2,051.04 | 1/4 | 1,695.40 | 1/4 | 1,339.07 | 1/4 | 989.40 | 1/4 | 639.50 | 1/4 | 282.90 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,043.64 | 1/2 | 1,687.98 | 1/2 | 1,331.64 | 1/2 | 982.26 | 1/2 | 632.07 | 1/2 | 275.46 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,036.24 | 3/4 | 1,680.56 | 3/4 | 1,324.22 | 3/4 | 975.13 | 3/4 | 624.64 | 3/4 | 268.02 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 2,028.83 | 1 | 1,673.13 | 1 | 1,316.80 | 1 | 968.00 | 1 | 617.21 | 1 | 260.58 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 2,021.42 | 1/4 | 1,665.71 | 1/4 | 1,309.37 | 1/4 | 960.87 | 1/4 | 609.78 | 1/4 | 253.14 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,014.02 | 1/2 | 1,658.29 | 1/2 | 1,301.95 | 1/2 | 953.73 | 1/2 | 602.35 | 1/2 | 245.70 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,006.61 | 3/4 | 1,650.86 | 3/4 | 1,294.52 | 3/4 | 946.60 | 3/4 | 594.92 | 3/4 | 238.26 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 1,999.20 | 2 | 1,643.44 | 2 | 1,287.10 | 2 | 939.47 | 2 | 587.50 | 2 | 230.81 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/4 | 1,991.79 | 1/4 | 1,636.01 | 1/4 | 1,279.68 | 1/4 | 932.33 | 1/4 | 580.07 | 1/4 | 223.37 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,984.39 | 1/2 | 1,628.59 | 1/2 | 1,272.25 | 1/2 | 925.20 | 1/2 | 572.64 | 1/2 | 215.93 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,976.98 | 3/4 | 1,621.17 | 3/4 | 1,264.83 | 3/4 | 918.07 | 3/4 | 565.21 | 3/4 | 208.49 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 1,969.57 | 3 | 1,613.74 | 3 | 1,257.41 | 3 | 910.94 | 3 | 557.78 | 3 | 201.05 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1/4 | 1,962.16 | 1/4 | 1,606.32 | 1/4 | 1,249.98 | 1/4 | 903.80 | 1/4 | 550.35 | 1/4 | 193.61 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,954.76 | 1/2 | 1,598.90 | 1/2 | 1,242.56 | 1/2 | 896.67 | 1/2 | 542.92 | 1/2 | 186.17 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,947.35 | 3/4 | 1,591.47 | 3/4 | 1,235.13 | 3/4 | 889.54 | 3/4 | 535.50 | 3/4 | 178.73 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 1,939.94 | 4 | 1,584.05 | 4 | 1,227.71 | 4 | 882.41 | 4 | 528.07 | 4 | 171.29 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1/4 | 1,932.54 | 1/4 | 1,576.62 | 1/4 | 1,220.29 | 1/4 | 875.27 | 1/4 | 520.64 | 1/4 | 163.85 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,925.13 | 1/2 | 1,569.20 | 1/2 | 1,212.86 | 1/2 | 868.14 | 1/2 | 513.21 | 1/2 | 156.41 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,917.72 | 3/4 | 1,561.78 | 3/4 | 1,205.44 | 3/4 | 861.01 | 3/4 | 505.78 | 3/4 | 148.97 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 1,910.31 | 5 | 1,554.35 | 5 | 1,198.02 | 5 | 853.85 | 5 | 498.35 | 5 | 141.53 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1/4 | 1,902.91 | 1/4 | 1,546.93 | 1/4 | 1,190.59 | 1/4 | 846.70 | 1/4 | 490.92 | 1/4 | 134.09 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,895.50 | 1/2 | 1,539.51 | 1/2 | 1,183.17 | 1/2 | 839.54 | 1/2 | 483.49 | 1/2 | 126.66 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,888.09 | 3/4 | 1,532.08 | 3/4 | 1,175.74 | 3/4 | 832.39 | 3/4 | 476.07 | 3/4 | 119.22 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 1,880.68 | 6 | 1,524.66 | 6 | 1,168.33 | 6 | 825.02 | 6 | 468.64 | 6 | 111.79 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1/4 | 1,873.28 | 1/4 | 1,517.23 | 1/4 | 1,161.31 | 1/4 | 817.66 | 1/4 | 461.21 | 1/4 | 104.36 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,865.87 | 1/2 | 1,509.81 | 1/2 | 1,154.09 | 1/2 | 810.29 | 1/2 | 453.78 | 1/2 | 96.93 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,858.46 | 3/4 | 1,502.39 | 3/4 | 1,146.88 | 3/4 | 802.93 | 3/4 | 446.35 | 3/4 | 89.50 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 1,851.06 | 7 | 1,494.96 | 7 | 1,139.67 | 7 | 795.50 | 7 | 438.92 | 7 | 82.09 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1/4 | 1,843.65 | 1/4 | 1,487.54 | 1/4 | 1,132.47 | 1/4 | 788.07 | 1/4 | 431.49 | 1/4 | 74.69 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,836.24 | 1/2 | 1,480.12 | 1/2 | 1,125.27 | 1/2 | 780.64 | 1/2 | 424.06 | 1/2 | 67.29 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,828.83 | 3/4 | 1,472.69 | 3/4 | 1,118.07 | 3/4 | 773.21 | 3/4 | 416.64 | 3/4 | 59.88 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 1,821.43 | 8 | 1,465.27 | 8 | 1,110.86 | 8 | 765.78 | 8 | 409.21 | 8 | 53.37 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1/4 | 1,814.02 | 1/4 | 1,457.85 | 1/4 | 1,103.66 | 1/4 | 758.36 | 1/4 | 401.78 | 1/4 | 46.86 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,806.61 | 1/2 | 1,450.42 | 1/2 | 1,096.46 | 1/2 | 750.93 | 1/2 | 394.35 | 1/2 | 40.36 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,799.20 | 3/4 | 1,443.00 | 3/4 | 1,089.25 | 3/4 | 743.50 | 3/4 | 386.92 | 3/4 | 33.85 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 1,791.80 | 9 | 1,435.57 | 9 | 1,082.12 | 9 | 736.07 | 9 | 379.49 | 9 | 29.20 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1/4 | 1,784.39 | 1/4 | 1,428.15 | 1/4 | 1,074.99 | 1/4 | 728.64 | 1/4 | 372.06 | 1/4 | 24.55 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,776.98 | 1/2 | 1,420.73 | 1/2 | 1,067.86 | 1/2 | 721.21 | 1/2 | 364.64 | 1/2 | 19.90 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,769.58 | 3/4 | 1,413.30 | 3/4 | 1,060.72 | 3/4 | 713.78 | 3/4 | 357.21 | 3/4 | 15.25 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 1,762.17 | 10 | 1,405.88 | 10 | 1,053.59 | 10 | 706.36 | 10 | 349.78 | 10 | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1/4 | 1,754.76 | 1/4 | 1,398.46 | 1/4 | 1,046.46 | 1/4 | 698.93 | 1/4 | 342.35 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,747.35 | 1/2 | 1,391.03 | 1/2 | 1,039.33 | 1/2 | 691.50 | 1/2 | 334.92 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,739.95 | 3/4 | 1,383.61 | 3/4 | 1,032.19 | 3/4 | 684.07 | 3/4 | 327.49 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 1,732.52 | 11 | 1,376.18 | 11 | 1,025.06 | 11 | 676.64 | 11 | 320.06 | 11 | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1/4 | 1,725.10 | 1/4 | 1,368.76 | 1/4 | 1,017.93 | 1/4 | 669.21 | 1/4 | 312.63 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,717.67 | 1/2 | 1,361.34 | 1/2 | 1,010.79 | 1/2 | 661.78 | 1/2 | 305.21 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,710.25 | 3/4 | 1,353.91 | 3/4 | 1,003.66 | 3/4 | 654.35 | 3/4 | 297.78 | 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: 03/16/2020 CL
CALCULATED: 03/17/2020 CL
PRINTED: 03/19/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2020

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



BARGE "CTC 29101"

3 STBD ULLAGE TABLE

HERMETIC GAUGE HEIGHT 15'-08 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: E2MS 319

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|-----|-------|-----|-------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| 0 | 0 | 0 | 0 | 0 | 4,372.92 | 0 | 4,154.15 | 0 | 3,934.89 | 0 | 3,715.27 | 0 | 3,478.38 | 0 | 3,124.93 | 0 | 2,767.29 | 0 | 2,409.57 |
| 1/4 | | 1/4 | | 1/4 | 4,368.39 | 1/4 | 4,149.58 | 1/4 | 3,930.33 | 1/4 | 3,710.69 | 1/4 | 3,471.67 | 1/4 | 3,117.48 | 1/4 | 2,759.84 | 1/4 | 2,402.11 |
| 1/2 | | 1/2 | | 1/2 | 4,363.87 | 1/2 | 4,145.02 | 1/2 | 3,925.76 | 1/2 | 3,706.11 | 1/2 | 3,464.97 | 1/2 | 3,110.02 | 1/2 | 2,752.39 | 1/2 | 2,394.65 |
| 3/4 | | 3/4 | | 3/4 | 4,359.35 | 3/4 | 4,140.45 | 3/4 | 3,921.19 | 3/4 | 3,701.53 | 3/4 | 3,458.27 | 3/4 | 3,102.57 | 3/4 | 2,744.94 | 3/4 | 2,387.19 |
| 1 | 1 | 1 | 1 | 1 | 4,354.82 | 1 | 4,135.88 | 1 | 3,916.62 | 1 | 3,696.95 | 1 | 3,451.09 | 1 | 3,095.12 | 1 | 2,737.48 | 1 | 2,379.73 |
| 1/4 | | 1/4 | | 1/4 | 4,350.30 | 1/4 | 4,131.31 | 1/4 | 3,912.05 | 1/4 | 3,692.37 | 1/4 | 3,443.90 | 1/4 | 3,087.67 | 1/4 | 2,730.03 | 1/4 | 2,372.26 |
| 1/2 | | 1/2 | | 1/2 | 4,345.78 | 1/2 | 4,126.75 | 1/2 | 3,907.49 | 1/2 | 3,687.79 | 1/2 | 3,436.72 | 1/2 | 3,080.22 | 1/2 | 2,722.58 | 1/2 | 2,364.80 |
| 3/4 | | 3/4 | | 3/4 | 4,341.26 | 3/4 | 4,122.18 | 3/4 | 3,902.92 | 3/4 | 3,683.21 | 3/4 | 3,429.54 | 3/4 | 3,072.77 | 3/4 | 2,715.13 | 3/4 | 2,357.34 |
| 2 | 2 | 2 | 2 | 2 | 4,336.73 | 2 | 4,117.61 | 2 | 3,898.35 | 2 | 3,678.62 | 2 | 3,422.13 | 2 | 3,065.32 | 2 | 2,707.68 | 2 | 2,349.88 |
| 1/4 | | 1/4 | | 1/4 | 4,332.21 | 1/4 | 4,113.04 | 1/4 | 3,893.78 | 1/4 | 3,674.04 | 1/4 | 3,414.72 | 1/4 | 3,057.87 | 1/4 | 2,700.23 | 1/4 | 2,342.42 |
| 1/2 | | 1/2 | | 1/2 | 4,327.69 | 1/2 | 4,108.47 | 1/2 | 3,889.21 | 1/2 | 3,669.46 | 1/2 | 3,407.31 | 1/2 | 3,050.42 | 1/2 | 2,692.78 | 1/2 | 2,334.96 |
| 3/4 | | 3/4 | | 3/4 | 4,323.16 | 3/4 | 4,103.91 | 3/4 | 3,884.65 | 3/4 | 3,664.88 | 3/4 | 3,399.91 | 3/4 | 3,042.97 | 3/4 | 2,685.33 | 3/4 | 2,327.50 |
| 3 | 3 | 3 | 3 | 3 | 4,318.60 | 3 | 4,099.34 | 3 | 3,880.08 | 3 | 3,660.30 | 3 | 3,392.49 | 3 | 3,035.52 | 3 | 2,677.88 | 3 | 2,320.04 |
| 1/4 | | 1/4 | | 1/4 | 4,314.03 | 1/4 | 4,094.77 | 1/4 | 3,875.51 | 1/4 | 3,655.72 | 1/4 | 3,385.07 | 1/4 | 3,028.07 | 1/4 | 2,670.43 | 1/4 | 2,312.58 |
| 1/2 | | 1/2 | | 1/2 | 4,309.46 | 1/2 | 4,090.20 | 1/2 | 3,870.94 | 1/2 | 3,651.14 | 1/2 | 3,377.65 | 1/2 | 3,020.61 | 1/2 | 2,662.98 | 1/2 | 2,305.11 |
| 3/4 | | 3/4 | | 3/4 | 4,304.89 | 3/4 | 4,085.63 | 3/4 | 3,866.37 | 3/4 | 3,646.56 | 3/4 | 3,370.23 | 3/4 | 3,013.16 | 3/4 | 2,655.53 | 3/4 | 2,297.65 |
| 4 | 4 | 4 | 4 | 4 | 4,300.33 | 4 | 4,081.07 | 4 | 3,861.81 | 4 | 3,641.98 | 4 | 3,362.81 | 4 | 3,005.71 | 4 | 2,648.07 | 4 | 2,290.19 |
| 1/4 | | 1/4 | | 1/4 | 4,295.76 | 1/4 | 4,076.50 | 1/4 | 3,857.24 | 1/4 | 3,637.40 | 1/4 | 3,355.39 | 1/4 | 2,998.26 | 1/4 | 2,640.62 | 1/4 | 2,282.73 |
| 1/2 | | 1/2 | | 1/2 | 4,291.19 | 1/2 | 4,071.93 | 1/2 | 3,852.67 | 1/2 | 3,632.82 | 1/2 | 3,347.97 | 1/2 | 2,990.81 | 1/2 | 2,633.17 | 1/2 | 2,275.27 |
| 3/4 | | 3/4 | | 3/4 | 4,286.62 | 3/4 | 4,067.36 | 3/4 | 3,848.10 | 3/4 | 3,628.24 | 3/4 | 3,340.54 | 3/4 | 2,983.36 | 3/4 | 2,625.72 | 3/4 | 2,267.81 |
| 5 | 5 | 5 | 5 | 5 | 4,282.05 | 5 | 4,062.79 | 5 | 3,843.52 | 5 | 3,623.66 | 5 | 3,333.12 | 5 | 2,975.91 | 5 | 2,618.27 | 5 | 2,260.35 |
| 1/4 | | 1/4 | | 1/4 | 4,277.49 | 1/4 | 4,058.23 | 1/4 | 3,838.94 | 1/4 | 3,619.08 | 1/4 | 3,325.70 | 1/4 | 2,968.46 | 1/4 | 2,610.81 | 1/4 | 2,252.89 |
| 1/2 | | 1/2 | | 1/2 | 4,272.92 | 1/2 | 4,053.66 | 1/2 | 3,834.36 | 1/2 | 3,614.50 | 1/2 | 3,318.28 | 1/2 | 2,961.01 | 1/2 | 2,603.36 | 1/2 | 2,245.43 |
| 3/4 | | 3/4 | | 3/4 | 4,478.16 | 3/4 | 4,268.35 | 3/4 | 4,049.09 | 3/4 | 3,829.78 | 3/4 | 3,609.92 | 3/4 | 3,310.85 | 3/4 | 2,953.56 | 3/4 | 2,237.96 |
| 6 | 6 | 6 | 6 | 6 | 4,474.97 | 6 | 4,263.78 | 6 | 4,044.52 | 6 | 3,825.20 | 6 | 3,605.34 | 6 | 3,303.43 | 6 | 2,946.11 | 6 | 2,230.50 |
| 1/4 | | 1/4 | | 1/4 | 4,471.78 | 1/4 | 4,259.21 | 1/4 | 4,039.96 | 1/4 | 3,820.62 | 1/4 | 3,600.76 | 1/4 | 3,296.01 | 1/4 | 2,938.66 | 1/4 | 2,223.04 |
| 1/2 | | 1/2 | | 1/2 | 4,468.60 | 1/2 | 4,254.65 | 1/2 | 4,035.39 | 1/2 | 3,816.04 | 1/2 | 3,596.18 | 1/2 | 3,288.59 | 1/2 | 2,931.21 | 1/2 | 2,215.58 |
| 3/4 | | 3/4 | | 3/4 | 4,465.41 | 3/4 | 4,250.08 | 3/4 | 4,030.82 | 3/4 | 3,811.46 | 3/4 | 3,591.60 | 3/4 | 3,281.16 | 3/4 | 2,923.75 | 3/4 | 2,208.12 |
| 7 | 7 | 7 | 7 | 7 | 4,461.46 | 7 | 4,245.51 | 7 | 4,026.25 | 7 | 3,806.88 | 7 | 3,587.01 | 7 | 3,273.74 | 7 | 2,916.30 | 7 | 2,200.66 |
| 1/4 | | 1/4 | | 1/4 | 4,457.51 | 1/4 | 4,240.94 | 1/4 | 4,021.68 | 1/4 | 3,802.30 | 1/4 | 3,582.43 | 1/4 | 3,266.32 | 1/4 | 2,908.85 | 1/4 | 2,193.20 |
| 1/2 | | 1/2 | | 1/2 | 4,453.56 | 1/2 | 4,236.37 | 1/2 | 4,017.12 | 1/2 | 3,797.72 | 1/2 | 3,577.85 | 1/2 | 3,258.90 | 1/2 | 2,901.40 | 1/2 | 2,185.74 |
| 3/4 | | 3/4 | | 3/4 | 4,449.61 | 3/4 | 4,231.81 | 3/4 | 4,012.55 | 3/4 | 3,793.14 | 3/4 | 3,573.27 | 3/4 | 3,251.48 | 3/4 | 2,893.95 | 3/4 | 2,178.28 |
| 8 | 8 | 8 | 8 | 8 | 4,445.12 | 8 | 4,227.24 | 8 | 4,007.98 | 8 | 3,788.56 | 8 | 3,568.45 | 8 | 3,244.05 | 8 | 2,886.50 | 8 | 2,170.81 |
| 1/4 | | 1/4 | | 1/4 | 4,440.64 | 1/4 | 4,222.67 | 1/4 | 4,003.41 | 1/4 | 3,783.98 | 1/4 | 3,563.63 | 1/4 | 3,236.63 | 1/4 | 2,879.05 | 1/4 | 2,163.35 |
| 1/2 | | 1/2 | | 1/2 | 4,436.16 | 1/2 | 4,218.10 | 1/2 | 3,998.84 | 1/2 | 3,779.40 | 1/2 | 3,558.81 | 1/2 | 3,229.21 | 1/2 | 2,871.60 | 1/2 | 2,155.89 |
| 3/4 | | 3/4 | | 3/4 | 4,431.68 | 3/4 | 4,213.54 | 3/4 | 3,994.28 | 3/4 | 3,774.82 | 3/4 | 3,553.99 | 3/4 | 3,221.79 | 3/4 | 2,864.15 | 3/4 | 2,148.43 |
| 9 | 9 | 9 | 9 | 9 | 4,427.17 | 9 | 4,208.97 | 9 | 3,989.71 | 9 | 3,770.23 | 9 | 3,548.73 | 9 | 3,214.34 | 9 | 2,856.70 | 9 | 2,140.97 |
| 1/4 | | 1/4 | | 1/4 | 4,422.65 | 1/4 | 4,204.40 | 1/4 | 3,985.14 | 1/4 | 3,765.65 | 1/4 | 3,543.47 | 1/4 | 3,206.88 | 1/4 | 2,849.25 | 1/4 | 2,133.51 |
| 1/2 | | 1/2 | | 1/2 | 4,418.14 | 1/2 | 4,199.83 | 1/2 | 3,980.57 | 1/2 | 3,761.07 | 1/2 | 3,538.20 | 1/2 | 3,199.43 | 1/2 | 2,841.80 | 1/2 | 2,126.05 |
| 3/4 | | 3/4 | | 3/4 | 4,413.62 | 3/4 | 4,195.26 | 3/4 | 3,976.00 | 3/4 | 3,756.49 | 3/4 | 3,532.94 | 3/4 | 3,191.98 | 3/4 | 2,834.34 | 3/4 | 2,118.59 |
| 10 | 10 | 10 | 10 | 10 | 4,409.10 | 10 | 4,190.70 | 10 | 3,971.44 | 10 | 3,751.91 | 10 | 3,527.20 | 10 | 3,184.53 | 10 | 2,826.89 | 10 | 2,111.13 |
| 1/4 | | 1/4 | | 1/4 | 4,404.58 | 1/4 | 4,186.13 | 1/4 | 3,966.87 | 1/4 | 3,747.33 | 1/4 | 3,521.45 | 1/4 | 3,177.08 | 1/4 | 2,819.44 | 1/4 | 2,103.66 |
| 1/2 | | 1/2 | | 1/2 | 4,400.06 | 1/2 | 4,181.56 | 1/2 | 3,962.30 | 1/2 | 3,742.75 | 1/2 | 3,515.71 | 1/2 | 3,169.63 | 1/2 | 2,811.99 | 1/2 | 2,096.20 |
| 3/4 | | 3/4 | | 3/4 | 4,395.53 | 3/4 | 4,176.99 | 3/4 | 3,957.73 | 3/4 | 3,738.17 | 3/4 | 3,509.97 | 3/4 | 3,162.18 | 3/4 | 2,804.54 | 3/4 | 2,088.74 |
| 11 | 11 | 11 | 11 | 11 | 4,391.01 | 11 | 4,172.42 | 11 | 3,953.16 | 11 | 3,733.59 | 11 | 3,503.75 | 11 | 3,154.73 | 11 | 2,797.09 | 11 | 2,081.28 |
| 1/4 | | 1/4 | | 1/4 | 4,386.49 | 1/4 | 4,167.86 | 1/4 | 3,948.60 | 1/4 | 3,729.01 | 1/4 | 3,497.52 | 1/4 | 3,147.28 | 1/4 | 2,789.64 | 1/4 | 2,073.82 |
| 1/2 | | 1/2 | | 1/2 | 4,381.96 | 1/2 | 4,163.29 | 1/2 | 3,944.03 | 1/2 | 3,724.43 | 1/2 | 3,491.30 | 1/2 | 3,139.83 | 1/2 | 2,782.19 | 1/2 | 2,066.36 |
| 3/4 | | 3/4 | | 3/4 | 4,377.44 | 3/4 | 4,158.72 | 3/4 | 3,939.46 | 3/4 | 3,719.85 | 3/4 | 3,485.08 | 3/4 | 3,132.38 | 3/4 | 2,774.74 | 3/4 | 2,058.90 |

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
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD

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





BARGE "CTC 29101"

3 STBD

ULLAGE TABLE HERMETIC

GAUGE HEIGHT 15'-08 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: E2MS 319

| 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 | 2,051.44 | 0 | 1,693.30 | 0 | 1,335.17 | 0 | 977.33 | 0 | 619.42 | 0 | 261.30 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 2,043.98 | 1/4 | 1,685.84 | 1/4 | 1,327.71 | 1/4 | 969.88 | 1/4 | 611.96 | 1/4 | 253.84 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,036.51 | 1/2 | 1,678.38 | 1/2 | 1,320.25 | 1/2 | 962.44 | 1/2 | 604.50 | 1/2 | 246.38 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,029.05 | 3/4 | 1,670.92 | 3/4 | 1,312.79 | 3/4 | 954.99 | 3/4 | 597.04 | 3/4 | 238.92 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 2,021.59 | 1 | 1,663.46 | 1 | 1,305.33 | 1 | 947.54 | 1 | 589.58 | 1 | 231.46 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 2,014.13 | 1/4 | 1,656.00 | 1/4 | 1,297.87 | 1/4 | 940.10 | 1/4 | 582.12 | 1/4 | 224.00 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,006.67 | 1/2 | 1,648.54 | 1/2 | 1,290.40 | 1/2 | 932.65 | 1/2 | 574.66 | 1/2 | 216.53 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,999.21 | 3/4 | 1,641.08 | 3/4 | 1,282.94 | 3/4 | 925.21 | 3/4 | 567.20 | 3/4 | 209.07 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 1,991.75 | 2 | 1,633.62 | 2 | 1,275.48 | 2 | 917.76 | 2 | 559.74 | 2 | 201.61 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/4 | 1,984.29 | 1/4 | 1,626.15 | 1/4 | 1,268.02 | 1/4 | 910.31 | 1/4 | 552.28 | 1/4 | 194.15 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,976.83 | 1/2 | 1,618.69 | 1/2 | 1,260.56 | 1/2 | 902.87 | 1/2 | 544.81 | 1/2 | 186.69 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,969.36 | 3/4 | 1,611.23 | 3/4 | 1,253.10 | 3/4 | 895.42 | 3/4 | 537.35 | 3/4 | 179.23 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 1,961.90 | 3 | 1,603.77 | 3 | 1,245.64 | 3 | 887.97 | 3 | 529.89 | 3 | 171.77 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1/4 | 1,954.44 | 1/4 | 1,596.31 | 1/4 | 1,238.18 | 1/4 | 880.53 | 1/4 | 522.43 | 1/4 | 164.31 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,946.98 | 1/2 | 1,588.85 | 1/2 | 1,230.72 | 1/2 | 873.08 | 1/2 | 514.97 | 1/2 | 156.85 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,939.52 | 3/4 | 1,581.39 | 3/4 | 1,223.25 | 3/4 | 865.63 | 3/4 | 507.51 | 3/4 | 149.39 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 1,932.06 | 4 | 1,573.93 | 4 | 1,215.79 | 4 | 858.17 | 4 | 500.05 | 4 | 141.93 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1/4 | 1,924.60 | 1/4 | 1,566.47 | 1/4 | 1,208.33 | 1/4 | 850.71 | 1/4 | 492.59 | 1/4 | 134.47 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,917.14 | 1/2 | 1,559.00 | 1/2 | 1,200.87 | 1/2 | 843.25 | 1/2 | 485.13 | 1/2 | 127.01 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,909.68 | 3/4 | 1,551.54 | 3/4 | 1,193.41 | 3/4 | 835.79 | 3/4 | 477.67 | 3/4 | 119.55 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 1,902.21 | 5 | 1,544.08 | 5 | 1,185.95 | 5 | 828.33 | 5 | 470.21 | 5 | 112.10 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1/4 | 1,894.75 | 1/4 | 1,536.62 | 1/4 | 1,178.49 | 1/4 | 820.87 | 1/4 | 462.74 | 1/4 | 104.65 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,887.29 | 1/2 | 1,529.16 | 1/2 | 1,171.03 | 1/2 | 813.41 | 1/2 | 455.28 | 1/2 | 97.20 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,879.83 | 3/4 | 1,521.70 | 3/4 | 1,163.57 | 3/4 | 805.95 | 3/4 | 447.82 | 3/4 | 89.75 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 1,872.37 | 6 | 1,514.24 | 6 | 1,156.11 | 6 | 798.49 | 6 | 440.36 | 6 | 82.32 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1/4 | 1,864.91 | 1/4 | 1,506.78 | 1/4 | 1,148.65 | 1/4 | 791.02 | 1/4 | 432.90 | 1/4 | 74.90 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,857.45 | 1/2 | 1,499.32 | 1/2 | 1,141.20 | 1/2 | 783.56 | 1/2 | 425.44 | 1/2 | 67.47 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,849.99 | 3/4 | 1,491.85 | 3/4 | 1,133.74 | 3/4 | 776.10 | 3/4 | 417.98 | 3/4 | 60.05 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 1,842.53 | 7 | 1,484.39 | 7 | 1,126.29 | 7 | 768.64 | 7 | 410.52 | 7 | 53.52 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1/4 | 1,835.07 | 1/4 | 1,476.93 | 1/4 | 1,118.83 | 1/4 | 761.18 | 1/4 | 403.06 | 1/4 | 47.00 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,827.60 | 1/2 | 1,469.47 | 1/2 | 1,111.38 | 1/2 | 753.72 | 1/2 | 395.60 | 1/2 | 40.47 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,820.14 | 3/4 | 1,462.01 | 3/4 | 1,103.92 | 3/4 | 746.26 | 3/4 | 388.14 | 3/4 | 33.94 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 1,812.68 | 8 | 1,454.55 | 8 | 1,096.47 | 8 | 738.80 | 8 | 380.67 | 8 | 29.28 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1/4 | 1,805.22 | 1/4 | 1,447.09 | 1/4 | 1,089.03 | 1/4 | 731.34 | 1/4 | 373.21 | 1/4 | 24.62 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,797.76 | 1/2 | 1,439.63 | 1/2 | 1,081.58 | 1/2 | 723.88 | 1/2 | 365.75 | 1/2 | 19.95 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,790.30 | 3/4 | 1,432.17 | 3/4 | 1,074.14 | 3/4 | 716.42 | 3/4 | 358.29 | 3/4 | 15.29 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 1,782.84 | 9 | 1,424.70 | 9 | 1,066.69 | 9 | 708.95 | 9 | 350.83 | 9 | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1/4 | 1,775.38 | 1/4 | 1,417.24 | 1/4 | 1,059.24 | 1/4 | 701.49 | 1/4 | 343.37 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,767.92 | 1/2 | 1,409.78 | 1/2 | 1,051.80 | 1/2 | 694.03 | 1/2 | 335.91 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,760.45 | 3/4 | 1,402.32 | 3/4 | 1,044.35 | 3/4 | 686.57 | 3/4 | 328.45 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 1,752.99 | 10 | 1,394.86 | 10 | 1,036.90 | 10 | 679.11 | 10 | 320.99 | 10 | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1/4 | 1,745.53 | 1/4 | 1,387.40 | 1/4 | 1,029.46 | 1/4 | 671.65 | 1/4 | 313.53 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,738.07 | 1/2 | 1,379.94 | 1/2 | 1,022.01 | 1/2 | 664.19 | 1/2 | 306.07 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,730.61 | 3/4 | 1,372.48 | 3/4 | 1,014.56 | 3/4 | 656.73 | 3/4 | 298.60 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 1,723.15 | 11 | 1,365.02 | 11 | 1,007.12 | 11 | 649.27 | 11 | 291.14 | 11 | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1/4 | 1,715.69 | 1/4 | 1,357.55 | 1/4 | 999.67 | 1/4 | 641.81 | 1/4 | 283.68 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,708.23 | 1/2 | 1,350.09 | 1/2 | 992.22 | 1/2 | 634.35 | 1/2 | 276.22 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,700.77 | 3/4 | 1,342.63 | 3/4 | 984.78 | 3/4 | 626.88 | 3/4 | 268.76 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/16/2020 CL
CALCULATED: 03/17/2020 CL
PRINTED: 03/19/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
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