

BARGE "KIRBY 27712"

INNAGE TRIM TABLE

| | 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 | - 00-3/8 | 00-3/8 | - 00-3/4 | 00-3/4 | - 01-1/8 | 01-1/8 | - 01-1/2 | 01-1/2 | - 01-3/4 | 01-3/4 | - 02-1/8 | 02-1/8 |
| 1 STBD | - 00-3/8 | 00-3/8 | - 00-3/4 | 00-3/4 | - 01-0/8 | 01-0/8 | - 01-3/8 | 01-3/8 | - 01-3/4 | 01-3/4 | - 02-1/8 | 02-1/8 |
| 2 PORT | - 00-3/8 | 00-3/8 | - 00-3/4 | 00-3/4 | - 01-1/8 | 01-1/8 | - 01-1/2 | 01-1/2 | - 01-3/4 | 01-3/4 | - 02-1/8 | 02-1/8 |
| 2 STBD | - 00-3/8 | 00-3/8 | - 00-3/4 | 00-3/4 | - 01-0/8 | 01-0/8 | - 01-3/8 | 01-3/8 | - 01-3/4 | 01-3/4 | - 02-1/8 | 02-1/8 |
| 3 PORT | - 00-3/8 | 00-3/8 | - 00-3/4 | 00-3/4 | - 01-1/8 | 01-1/8 | - 01-1/2 | 01-1/2 | - 01-3/4 | 01-3/4 | - 02-1/8 | 02-1/8 |
| 3 STBD | - 00-3/8 | 00-3/8 | - 00-3/4 | 00-3/4 | - 01-0/8 | 01-0/8 | - 01-3/8 | 01-3/8 | - 01-3/4 | 01-3/4 | - 02-1/8 | 02-1/8 |

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

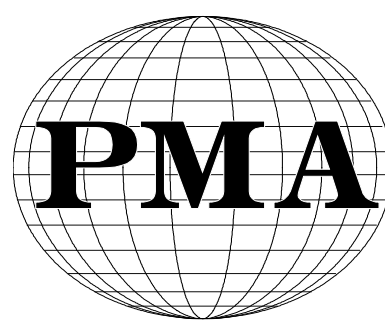
THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS 00-3/4"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 3/4"

LENGTH BETWEEN DRAFT MARKS: 242'-06"

January 10, 2024

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 27712"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

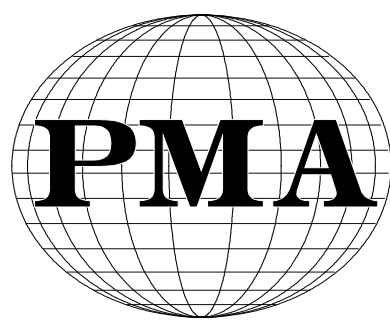
GAUGE HEIGHT 16'-07 1/2"

| 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 | 3.59 | 0 | 298.04 | 0 | 649.75 | 0 | 1,014.82 | 0 | 1,379.73 | 0 | 1,745.88 | 0 | 2,112.29 | 0 | 2,478.70 | 0 | 2,845.11 | 0 | 3,211.52 |
| 1/4 | 7.15 | 1/4 | 305.16 | 1/4 | 657.39 | 1/4 | 1,022.39 | 1/4 | 1,387.34 | 1/4 | 1,753.51 | 1/4 | 2,119.93 | 1/4 | 2,486.33 | 1/4 | 2,852.74 | 1/4 | 3,219.15 |
| 1/2 | 10.71 | 1/2 | 312.28 | 1/2 | 665.02 | 1/2 | 1,029.97 | 1/2 | 1,394.94 | 1/2 | 1,761.14 | 1/2 | 2,127.56 | 1/2 | 2,493.97 | 1/2 | 2,860.38 | 1/2 | 3,226.78 |
| 3/4 | 14.27 | 3/4 | 319.40 | 3/4 | 672.66 | 3/4 | 1,037.54 | 3/4 | 1,402.55 | 3/4 | 1,768.78 | 3/4 | 2,135.19 | 3/4 | 2,501.60 | 3/4 | 2,868.01 | 3/4 | 3,234.42 |
| 1 | 17.83 | 1 | 326.51 | 1 | 680.29 | 1 | 1,045.12 | 1 | 1,410.16 | 1 | 1,776.41 | 1 | 2,142.83 | 1 | 2,509.23 | 1 | 2,875.64 | 1 | 3,242.05 |
| 1/4 | 23.33 | 1/4 | 333.70 | 1/4 | 687.92 | 1/4 | 1,052.70 | 1/4 | 1,417.76 | 1/4 | 1,784.05 | 1/4 | 2,150.46 | 1/4 | 2,516.87 | 1/4 | 2,883.28 | 1/4 | 3,249.68 |
| 1/2 | 28.84 | 1/2 | 340.89 | 1/2 | 695.56 | 1/2 | 1,060.27 | 1/2 | 1,425.37 | 1/2 | 1,791.68 | 1/2 | 2,158.09 | 1/2 | 2,524.50 | 1/2 | 2,890.91 | 1/2 | 3,257.32 |
| 3/4 | 34.34 | 3/4 | 348.08 | 3/4 | 703.19 | 3/4 | 1,067.85 | 3/4 | 1,432.97 | 3/4 | 1,799.31 | 3/4 | 2,165.73 | 3/4 | 2,532.14 | 3/4 | 2,898.54 | 3/4 | 3,264.95 |
| 2 | 39.85 | 2 | 355.26 | 2 | 710.83 | 2 | 1,075.43 | 2 | 1,440.58 | 2 | 1,806.95 | 2 | 2,173.36 | 2 | 2,539.77 | 2 | 2,906.18 | 2 | 3,272.58 |
| 1/4 | 45.82 | 1/4 | 362.53 | 1/4 | 718.46 | 1/4 | 1,083.00 | 1/4 | 1,448.20 | 1/4 | 1,814.58 | 1/4 | 2,180.99 | 1/4 | 2,547.40 | 1/4 | 2,913.81 | 1/4 | 3,280.22 |
| 1/2 | 51.80 | 1/2 | 369.79 | 1/2 | 726.09 | 1/2 | 1,090.58 | 1/2 | 1,455.82 | 1/2 | 1,822.21 | 1/2 | 2,188.63 | 1/2 | 2,555.04 | 1/2 | 2,921.44 | 1/2 | 3,287.85 |
| 3/4 | 57.78 | 3/4 | 377.06 | 3/4 | 733.73 | 3/4 | 1,098.15 | 3/4 | 1,463.44 | 3/4 | 1,829.85 | 3/4 | 2,196.26 | 3/4 | 2,562.67 | 3/4 | 2,929.08 | 3/4 | 3,295.49 |
| 3 | 63.76 | 3 | 384.32 | 3 | 741.36 | 3 | 1,105.73 | 3 | 1,471.06 | 3 | 1,837.48 | 3 | 2,203.89 | 3 | 2,570.30 | 3 | 2,936.71 | 3 | 3,303.12 |
| 1/4 | 69.40 | 1/4 | 391.68 | 1/4 | 749.00 | 1/4 | 1,113.31 | 1/4 | 1,478.69 | 1/4 | 1,845.12 | 1/4 | 2,211.53 | 1/4 | 2,577.94 | 1/4 | 2,944.34 | 1/4 | 3,310.75 |
| 1/2 | 75.05 | 1/2 | 399.04 | 1/2 | 756.63 | 1/2 | 1,120.89 | 1/2 | 1,486.33 | 1/2 | 1,852.75 | 1/2 | 2,219.16 | 1/2 | 2,585.57 | 1/2 | 2,951.98 | 1/2 | 3,318.39 |
| 3/4 | 80.70 | 3/4 | 406.40 | 3/4 | 764.26 | 3/4 | 1,128.46 | 3/4 | 1,493.96 | 3/4 | 1,860.38 | 3/4 | 2,226.80 | 3/4 | 2,593.20 | 3/4 | 2,959.61 | 3/4 | 3,326.02 |
| 4 | 86.34 | 4 | 413.75 | 4 | 771.90 | 4 | 1,136.04 | 4 | 1,501.60 | 4 | 1,868.02 | 4 | 2,234.43 | 4 | 2,600.84 | 4 | 2,967.24 | 4 | 3,333.65 |
| 1/4 | 92.09 | 1/4 | 420.99 | 1/4 | 779.53 | 1/4 | 1,143.63 | 1/4 | 1,509.23 | 1/4 | 1,875.65 | 1/4 | 2,242.06 | 1/4 | 2,608.47 | 1/4 | 2,974.88 | 1/4 | 3,341.29 |
| 1/2 | 97.83 | 1/2 | 428.22 | 1/2 | 787.17 | 1/2 | 1,151.23 | 1/2 | 1,516.86 | 1/2 | 1,883.29 | 1/2 | 2,249.70 | 1/2 | 2,616.10 | 1/2 | 2,982.51 | 1/2 | 3,348.92 |
| 3/4 | 103.58 | 3/4 | 435.45 | 3/4 | 794.80 | 3/4 | 1,158.82 | 3/4 | 1,524.50 | 3/4 | 1,890.92 | 3/4 | 2,257.33 | 3/4 | 2,623.74 | 3/4 | 2,990.15 | 3/4 | 3,356.55 |
| 5 | 109.32 | 5 | 442.69 | 5 | 802.44 | 5 | 1,166.41 | 5 | 1,532.13 | 5 | 1,898.55 | 5 | 2,264.96 | 5 | 2,631.37 | 5 | 2,997.78 | 5 | 3,364.19 |
| 1/4 | 115.60 | 1/4 | 449.57 | 1/4 | 810.05 | 1/4 | 1,174.03 | 1/4 | 1,539.76 | 1/4 | 1,906.19 | 1/4 | 2,272.60 | 1/4 | 2,639.00 | 1/4 | 3,005.41 | 1/4 | 3,371.82 |
| 1/2 | 121.87 | 1/2 | 456.44 | 1/2 | 817.67 | 1/2 | 1,181.65 | 1/2 | 1,547.40 | 1/2 | 1,913.82 | 1/2 | 2,280.23 | 1/2 | 2,646.64 | 1/2 | 3,013.05 | 1/2 | 3,379.45 |
| 3/4 | 128.15 | 3/4 | 463.32 | 3/4 | 825.29 | 3/4 | 1,189.27 | 3/4 | 1,555.03 | 3/4 | 1,921.45 | 3/4 | 2,287.86 | 3/4 | 2,654.27 | 3/4 | 3,020.68 | 3/4 | 3,387.09 |
| 6 | 134.42 | 6 | 470.20 | 6 | 832.91 | 6 | 1,196.89 | 6 | 1,562.67 | 6 | 1,929.09 | 6 | 2,295.50 | 6 | 2,661.90 | 6 | 3,028.31 | 6 | 3,394.72 |
| 1/4 | 141.01 | 1/4 | 477.14 | 1/4 | 840.51 | 1/4 | 1,204.53 | 1/4 | 1,570.30 | 1/4 | 1,936.72 | 1/4 | 2,303.13 | 1/4 | 2,669.54 | 1/4 | 3,035.95 | 1/4 | 3,402.35 |
| 1/2 | 147.59 | 1/2 | 484.08 | 1/2 | 848.10 | 1/2 | 1,212.16 | 1/2 | 1,577.93 | 1/2 | 1,944.36 | 1/2 | 2,310.76 | 1/2 | 2,677.17 | 1/2 | 3,043.58 | 1/2 | 3,409.99 |
| 3/4 | 154.18 | 3/4 | 491.02 | 3/4 | 855.69 | 3/4 | 1,219.79 | 3/4 | 1,585.57 | 3/4 | 1,951.99 | 3/4 | 2,318.40 | 3/4 | 2,684.81 | 3/4 | 3,051.21 | 3/4 | 3,417.62 |
| 7 | 160.76 | 7 | 497.96 | 7 | 863.28 | 7 | 1,227.43 | 7 | 1,593.20 | 7 | 1,959.62 | 7 | 2,326.03 | 7 | 2,692.44 | 7 | 3,058.85 | 7 | 3,425.25 |
| 1/4 | 167.44 | 1/4 | 505.37 | 1/4 | 870.86 | 1/4 | 1,235.06 | 1/4 | 1,600.83 | 1/4 | 1,967.26 | 1/4 | 2,333.66 | 1/4 | 2,700.07 | 1/4 | 3,066.48 | 1/4 | 3,432.89 |
| 1/2 | 174.12 | 1/2 | 512.78 | 1/2 | 878.44 | 1/2 | 1,242.70 | 1/2 | 1,608.47 | 1/2 | 1,974.89 | 1/2 | 2,341.30 | 1/2 | 2,707.71 | 1/2 | 3,074.11 | 1/2 | 3,440.52 |
| 3/4 | 180.80 | 3/4 | 520.19 | 3/4 | 886.02 | 3/4 | 1,250.33 | 3/4 | 1,616.10 | 3/4 | 1,982.52 | 3/4 | 2,348.93 | 3/4 | 2,715.34 | 3/4 | 3,081.75 | 3/4 | 3,448.16 |
| 8 | 187.47 | 8 | 527.60 | 8 | 893.60 | 8 | 1,257.97 | 8 | 1,623.74 | 8 | 1,990.16 | 8 | 2,356.56 | 8 | 2,722.97 | 8 | 3,089.38 | 8 | 3,455.79 |
| 1/4 | 194.25 | 1/4 | 535.24 | 1/4 | 901.17 | 1/4 | 1,265.59 | 1/4 | 1,631.37 | 1/4 | 1,997.79 | 1/4 | 2,364.20 | 1/4 | 2,730.61 | 1/4 | 3,097.01 | 1/4 | 3,463.42 |
| 1/2 | 201.03 | 1/2 | 542.87 | 1/2 | 908.75 | 1/2 | 1,273.21 | 1/2 | 1,639.00 | 1/2 | 2,005.42 | 1/2 | 2,371.83 | 1/2 | 2,738.24 | 1/2 | 3,104.65 | 1/2 | 3,471.06 |
| 3/4 | 207.81 | 3/4 | 550.51 | 3/4 | 916.32 | 3/4 | 1,280.83 | 3/4 | 1,646.64 | 3/4 | 2,013.06 | 3/4 | 2,379.47 | 3/4 | 2,745.87 | 3/4 | 3,112.28 | 3/4 | 3,478.69 |
| 9 | 214.59 | 9 | 558.14 | 9 | 923.90 | 9 | 1,288.45 | 9 | 1,654.27 | 9 | 2,020.69 | 9 | 2,387.10 | 9 | 2,753.51 | 9 | 3,119.91 | 9 | 3,486.32 |
| 1/4 | 221.46 | 1/4 | 565.78 | 1/4 | 931.48 | 1/4 | 1,296.06 | 1/4 | 1,661.90 | 1/4 | 2,028.32 | 1/4 | 2,394.73 | 1/4 | 2,761.14 | 1/4 | 3,127.55 | 1/4 | 3,493.96 |
| 1/2 | 228.33 | 1/2 | 573.41 | 1/2 | 939.05 | 1/2 | 1,303.66 | 1/2 | 1,669.54 | 1/2 | 2,035.96 | 1/2 | 2,402.37 | 1/2 | 2,768.77 | 1/2 | 3,135.18 | 1/2 | 3,501.59 |
| 3/4 | 235.20 | 3/4 | 581.04 | 3/4 | 946.63 | 3/4 | 1,311.27 | 3/4 | 1,677.17 | 3/4 | 2,043.59 | 3/4 | 2,410.00 | 3/4 | 2,776.41 | 3/4 | 3,142.82 | 3/4 | 3,509.22 |
| 10 | 242.07 | 10 | 588.68 | 10 | 954.21 | 10 | 1,318.88 | 10 | 1,684.81 | 10 | 2,051.22 | 10 | 2,417.63 | 10 | 2,784.04 | 10 | 3,150.45 | 10 | 3,516.86 |
| 1/4 | 249.02 | 1/4 | 596.31 | 1/4 | 961.78 | 1/4 | 1,326.48 | 1/4 | 1,692.44 | 1/4 | 2,058.86 | 1/4 | 2,425.27 | 1/4 | 2,791.67 | 1/4 | 3,158.08 | 1/4 | 3,524.49 |
| 1/2 | 255.98 | 1/2 | 603.95 | 1/2 | 969.36 | 1/2 | 1,334.09 | 1/2 | 1,700.07 | 1/2 | 2,066.49 | 1/2 | 2,432.90 | 1/2 | 2,799.31 | 1/2 | 3,165.72 | 1/2 | 3,532.12 |
| 3/4 | 262.93 | 3/4 | 611.58 | 3/4 | 976.93 | 3/4 | 1,341.70 | 3/4 | 1,707.71 | 3/4 | 2,074.13 | 3/4 | 2,440.53 | 3/4 | 2,806.94 | 3/4 | 3,173.35 | 3/4 | 3,539.76 |
| 11 | 269.89 | 11 | 619.22 | 11 | 984.51 | 11 | 1,349.30 | 11 | 1,715.34 | 11 | 2,081.76 | 11 | 2,448.17 | 11 | 2,814.57 | 11 | 3,180.98 | 11 | 3,547.39 |
| 1/4 | 276.93 | 1/4 | 626.85 | 1/4 | 992.09 | 1/4 | 1,356.91 | 1/4 | 1,722.98 | 1/4 | 2,089.39 | 1/4 | 2,455.80 | 1/4 | 2,822.21 | 1/4 | 3,188.62 | 1/4 | 3,555.02 |
| 1/2 | 283.97 | 1/2 | 634.49 | 1/2 | 999.66 | 1/2 | 1,364.52 | 1/2 | 1,730.61 | 1/2 | 2,097.03 | 1/2 | 2,463.43 | 1/2 | 2,829.84 | 1/2 | 3,196.25 | 1/2 | 3,562.66 |
| 3/4 | 291.00 | 3/4 | 642.12 | 3/4 | 1,007.24 | 3/4 | 1,372.12 | 3/4 | 1,738.24 | 3/4 | 2,104.66 | 3/4 | 2,471.07 | 3/4 | 2,837.48 | 3/4 | 3,203.88 | 3/4 | 3,570.29 |

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 AT 2" RESTRICTED GAUGE STANDPIPE.
 GAUGE POINT: (2" STANDPIPE) LOCATED 12'-09" OFF CENTERLINE AND 51'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 27712"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

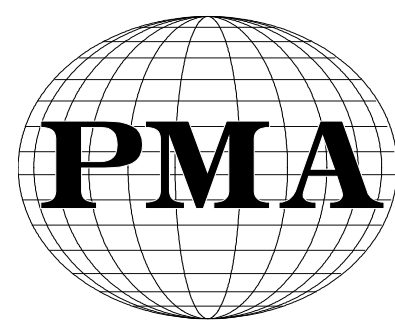
| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 3,577.92 | 0 | 3,943.19 | 0 | 4,292.09 | 0 | 4,615.91 | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 3,585.56 | 1/4 | 3,950.66 | 1/4 | 4,299.06 | 1/4 | 4,622.41 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,593.19 | 1/2 | 3,958.13 | 1/2 | 4,306.02 | 1/2 | 4,628.92 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,600.83 | 3/4 | 3,965.60 | 3/4 | 4,312.99 | 3/4 | 4,635.43 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 3,608.46 | 1 | 3,973.07 | 1 | 4,319.96 | 1 | 4,641.93 | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 3,616.09 | 1/4 | 3,980.50 | 1/4 | 4,326.87 | 1/4 | 4,648.40 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,623.73 | 1/2 | 3,987.93 | 1/2 | 4,333.78 | 1/2 | 4,654.87 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,631.36 | 3/4 | 3,995.36 | 3/4 | 4,340.68 | 3/4 | 4,661.34 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 3,638.99 | 2 | 4,002.80 | 2 | 4,347.59 | 2 | 4,667.81 | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 3,646.63 | 1/4 | 4,010.19 | 1/4 | 4,354.47 | 1/4 | 4,674.53 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,654.26 | 1/2 | 4,017.59 | 1/2 | 4,361.34 | 1/2 | 4,681.25 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,661.89 | 3/4 | 4,024.98 | 3/4 | 4,368.21 | 3/4 | 4,687.97 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 3,669.53 | 3 | 4,032.38 | 3 | 4,375.08 | 3 | 4,694.69 | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 3,677.16 | 1/4 | 4,039.74 | 1/4 | 4,381.91 | 1/4 | 4,701.96 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,684.79 | 1/2 | 4,047.10 | 1/2 | 4,388.75 | 1/2 | 4,709.23 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,692.43 | 3/4 | 4,054.46 | 3/4 | 4,395.58 | 3/4 | 4,716.50 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 3,700.06 | 4 | 4,061.82 | 4 | 4,402.42 | 4 | 4,723.77 | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 3,707.69 | 1/4 | 4,069.15 | 1/4 | 4,409.21 | 1/4 | 4,731.32 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,715.33 | 1/2 | 4,076.47 | 1/2 | 4,416.01 | 1/2 | 4,738.87 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,722.96 | 3/4 | 4,083.80 | 3/4 | 4,422.81 | 3/4 | 4,746.42 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 3,730.59 | 5 | 4,091.13 | 5 | 4,429.60 | 5 | 4,753.97 | 5 | | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 3,738.23 | 1/4 | 4,098.42 | 1/4 | 4,436.36 | 1/4 | 4,761.44 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,745.86 | 1/2 | 4,105.71 | 1/2 | 4,443.12 | 1/2 | 4,768.91 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,753.50 | 3/4 | 4,113.01 | 3/4 | 4,449.88 | 3/4 | 4,776.38 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 3,761.13 | 6 | 4,120.30 | 6 | 4,456.64 | 6 | 4,783.85 | 6 | | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 3,768.76 | 1/4 | 4,127.55 | 1/4 | 4,463.36 | 1/4 | 4,790.69 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,776.40 | 1/2 | 4,134.81 | 1/2 | 4,470.09 | 1/2 | 4,797.52 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,784.03 | 3/4 | 4,142.06 | 3/4 | 4,476.81 | 3/4 | 4,804.35 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 3,791.66 | 7 | 4,149.32 | 7 | 4,483.54 | 7 | 4,811.19 | 7 | | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 3,799.30 | 1/4 | 4,156.54 | 1/4 | 4,490.23 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,806.93 | 1/2 | 4,163.75 | 1/2 | 4,496.92 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,814.56 | 3/4 | 4,170.97 | 3/4 | 4,503.61 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 3,822.20 | 8 | 4,178.19 | 8 | 4,510.30 | 8 | | 8 | | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 3,829.81 | 1/4 | 4,185.37 | 1/4 | 4,516.96 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,837.42 | 1/2 | 4,192.55 | 1/2 | 4,523.61 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,845.04 | 3/4 | 4,199.73 | 3/4 | 4,530.27 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 3,852.65 | 9 | 4,206.91 | 9 | 4,536.93 | 9 | | 9 | | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 3,860.23 | 1/4 | 4,214.05 | 1/4 | 4,543.55 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,867.81 | 1/2 | 4,221.19 | 1/2 | 4,550.17 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,875.40 | 3/4 | 4,228.34 | 3/4 | 4,556.78 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 3,882.98 | 10 | 4,235.48 | 10 | 4,563.40 | 10 | | 10 | | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 3,890.52 | 1/4 | 4,242.59 | 1/4 | 4,569.98 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,898.07 | 1/2 | 4,249.69 | 1/2 | 4,576.57 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,905.61 | 3/4 | 4,256.80 | 3/4 | 4,583.15 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 3,913.16 | 11 | 4,263.90 | 11 | 4,589.73 | 11 | | 11 | | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 3,920.67 | 1/4 | 4,270.95 | 1/4 | 4,596.27 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,928.17 | 1/2 | 4,278.00 | 1/2 | 4,602.82 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,935.68 | 3/4 | 4,285.04 | 3/4 | 4,609.36 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/14/2003 CL - SW
VERIFIED: 01/10/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2024

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



BARGE "KIRBY 27712"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

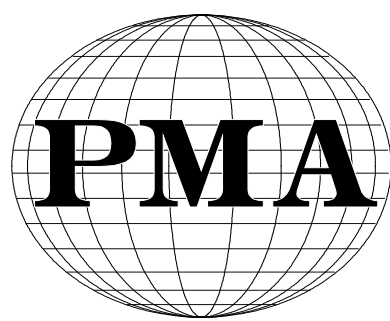
GAUGE HEIGHT 16'-08"

| 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 | 3.59 | 0 | 298.01 | 0 | 649.68 | 0 | 1,015.45 | 0 | 1,380.96 | 0 | 1,747.06 | 0 | 2,113.44 | 0 | 2,479.80 | 0 | 2,846.17 | 0 | 3,212.53 |
| 1/4 | 7.15 | 1/4 | 305.13 | 1/4 | 657.31 | 1/4 | 1,023.05 | 1/4 | 1,388.57 | 1/4 | 1,754.70 | 1/4 | 2,121.07 | 1/4 | 2,487.43 | 1/4 | 2,853.80 | 1/4 | 3,220.16 |
| 1/2 | 10.71 | 1/2 | 312.24 | 1/2 | 664.94 | 1/2 | 1,030.66 | 1/2 | 1,396.17 | 1/2 | 1,762.33 | 1/2 | 2,128.70 | 1/2 | 2,495.07 | 1/2 | 2,861.43 | 1/2 | 3,227.80 |
| 3/4 | 14.27 | 3/4 | 319.36 | 3/4 | 672.58 | 3/4 | 1,038.26 | 3/4 | 1,403.78 | 3/4 | 1,769.96 | 3/4 | 2,136.33 | 3/4 | 2,502.70 | 3/4 | 2,869.06 | 3/4 | 3,235.43 |
| 1 | 17.83 | 1 | 326.48 | 1 | 680.21 | 1 | 1,045.87 | 1 | 1,411.38 | 1 | 1,777.60 | 1 | 2,143.97 | 1 | 2,510.33 | 1 | 2,876.70 | 1 | 3,243.06 |
| 1/4 | 23.33 | 1/4 | 333.66 | 1/4 | 687.84 | 1/4 | 1,053.47 | 1/4 | 1,418.99 | 1/4 | 1,785.23 | 1/4 | 2,151.60 | 1/4 | 2,517.96 | 1/4 | 2,884.33 | 1/4 | 3,250.69 |
| 1/2 | 28.83 | 1/2 | 340.85 | 1/2 | 695.48 | 1/2 | 1,061.08 | 1/2 | 1,426.59 | 1/2 | 1,792.86 | 1/2 | 2,159.23 | 1/2 | 2,525.60 | 1/2 | 2,891.96 | 1/2 | 3,258.33 |
| 3/4 | 34.34 | 3/4 | 348.04 | 3/4 | 703.11 | 3/4 | 1,068.68 | 3/4 | 1,434.20 | 3/4 | 1,800.49 | 3/4 | 2,166.86 | 3/4 | 2,533.23 | 3/4 | 2,899.59 | 3/4 | 3,265.96 |
| 2 | 39.84 | 2 | 355.22 | 2 | 710.74 | 2 | 1,076.28 | 2 | 1,441.80 | 2 | 1,808.13 | 2 | 2,174.50 | 2 | 2,540.86 | 2 | 2,907.23 | 2 | 3,273.59 |
| 1/4 | 45.82 | 1/4 | 362.49 | 1/4 | 718.38 | 1/4 | 1,083.89 | 1/4 | 1,449.42 | 1/4 | 1,815.76 | 1/4 | 2,182.13 | 1/4 | 2,548.49 | 1/4 | 2,914.86 | 1/4 | 3,281.22 |
| 1/2 | 51.80 | 1/2 | 369.75 | 1/2 | 726.01 | 1/2 | 1,091.49 | 1/2 | 1,457.04 | 1/2 | 1,823.39 | 1/2 | 2,189.76 | 1/2 | 2,556.13 | 1/2 | 2,922.49 | 1/2 | 3,288.86 |
| 3/4 | 57.77 | 3/4 | 377.01 | 3/4 | 733.64 | 3/4 | 1,099.10 | 3/4 | 1,464.66 | 3/4 | 1,831.03 | 3/4 | 2,197.40 | 3/4 | 2,563.76 | 3/4 | 2,930.12 | 3/4 | 3,296.49 |
| 3 | 63.75 | 3 | 384.28 | 3 | 741.27 | 3 | 1,106.70 | 3 | 1,472.28 | 3 | 1,838.66 | 3 | 2,205.03 | 3 | 2,571.39 | 3 | 2,937.76 | 3 | 3,304.12 |
| 1/4 | 69.39 | 1/4 | 391.64 | 1/4 | 748.91 | 1/4 | 1,114.31 | 1/4 | 1,479.91 | 1/4 | 1,846.29 | 1/4 | 2,212.66 | 1/4 | 2,579.03 | 1/4 | 2,945.39 | 1/4 | 3,311.75 |
| 1/2 | 75.04 | 1/2 | 398.99 | 1/2 | 756.54 | 1/2 | 1,121.91 | 1/2 | 1,487.55 | 1/2 | 1,853.92 | 1/2 | 2,220.29 | 1/2 | 2,586.66 | 1/2 | 2,953.02 | 1/2 | 3,319.39 |
| 3/4 | 80.69 | 3/4 | 406.35 | 3/4 | 764.17 | 3/4 | 1,129.52 | 3/4 | 1,495.18 | 3/4 | 1,861.56 | 3/4 | 2,227.93 | 3/4 | 2,594.29 | 3/4 | 2,960.66 | 3/4 | 3,327.02 |
| 4 | 86.33 | 4 | 413.71 | 4 | 771.81 | 4 | 1,137.13 | 4 | 1,502.81 | 4 | 1,869.19 | 4 | 2,235.56 | 4 | 2,601.92 | 4 | 2,968.29 | 4 | 3,334.65 |
| 1/4 | 92.08 | 1/4 | 420.94 | 1/4 | 779.44 | 1/4 | 1,144.75 | 1/4 | 1,510.44 | 1/4 | 1,876.82 | 1/4 | 2,243.19 | 1/4 | 2,609.56 | 1/4 | 2,975.92 | 1/4 | 3,342.29 |
| 1/2 | 97.82 | 1/2 | 428.17 | 1/2 | 787.07 | 1/2 | 1,152.37 | 1/2 | 1,518.08 | 1/2 | 1,884.46 | 1/2 | 2,250.82 | 1/2 | 2,617.19 | 1/2 | 2,983.55 | 1/2 | 3,349.92 |
| 3/4 | 103.57 | 3/4 | 435.40 | 3/4 | 794.71 | 3/4 | 1,159.99 | 3/4 | 1,525.71 | 3/4 | 1,892.09 | 3/4 | 2,258.46 | 3/4 | 2,624.82 | 3/4 | 2,991.19 | 3/4 | 3,357.55 |
| 5 | 109.31 | 5 | 442.64 | 5 | 802.34 | 5 | 1,167.61 | 5 | 1,533.34 | 5 | 1,899.72 | 5 | 2,266.09 | 5 | 2,632.45 | 5 | 2,998.82 | 5 | 3,365.18 |
| 1/4 | 115.58 | 1/4 | 449.51 | 1/4 | 809.97 | 1/4 | 1,175.24 | 1/4 | 1,540.98 | 1/4 | 1,907.36 | 1/4 | 2,273.72 | 1/4 | 2,640.09 | 1/4 | 3,006.45 | 1/4 | 3,372.82 |
| 1/2 | 121.86 | 1/2 | 456.39 | 1/2 | 817.61 | 1/2 | 1,182.88 | 1/2 | 1,548.61 | 1/2 | 1,914.99 | 1/2 | 2,281.35 | 1/2 | 2,647.72 | 1/2 | 3,014.08 | 1/2 | 3,380.45 |
| 3/4 | 128.13 | 3/4 | 463.26 | 3/4 | 825.24 | 3/4 | 1,190.51 | 3/4 | 1,556.24 | 3/4 | 1,922.62 | 3/4 | 2,288.99 | 3/4 | 2,655.35 | 3/4 | 3,021.72 | 3/4 | 3,388.08 |
| 6 | 134.41 | 6 | 470.14 | 6 | 832.87 | 6 | 1,198.14 | 6 | 1,563.87 | 6 | 1,930.25 | 6 | 2,296.62 | 6 | 2,662.98 | 6 | 3,029.35 | 6 | 3,395.71 |
| 1/4 | 140.99 | 1/4 | 477.08 | 1/4 | 840.49 | 1/4 | 1,205.78 | 1/4 | 1,571.51 | 1/4 | 1,937.89 | 1/4 | 2,304.25 | 1/4 | 2,670.62 | 1/4 | 3,036.98 | 1/4 | 3,403.35 |
| 1/2 | 147.57 | 1/2 | 484.02 | 1/2 | 848.11 | 1/2 | 1,213.41 | 1/2 | 1,579.14 | 1/2 | 1,945.52 | 1/2 | 2,311.88 | 1/2 | 2,678.25 | 1/2 | 3,044.61 | 1/2 | 3,410.98 |
| 3/4 | 154.16 | 3/4 | 490.96 | 3/4 | 855.74 | 3/4 | 1,221.04 | 3/4 | 1,586.77 | 3/4 | 1,953.15 | 3/4 | 2,319.52 | 3/4 | 2,685.88 | 3/4 | 3,052.25 | 3/4 | 3,418.61 |
| 7 | 160.74 | 7 | 497.90 | 7 | 863.36 | 7 | 1,228.68 | 7 | 1,594.41 | 7 | 1,960.79 | 7 | 2,327.15 | 7 | 2,693.51 | 7 | 3,059.88 | 7 | 3,426.24 |
| 1/4 | 167.42 | 1/4 | 505.31 | 1/4 | 870.96 | 1/4 | 1,236.31 | 1/4 | 1,602.04 | 1/4 | 1,968.42 | 1/4 | 2,334.78 | 1/4 | 2,701.15 | 1/4 | 3,067.51 | 1/4 | 3,433.88 |
| 1/2 | 174.10 | 1/2 | 512.72 | 1/2 | 878.57 | 1/2 | 1,243.94 | 1/2 | 1,609.67 | 1/2 | 1,976.05 | 1/2 | 2,342.41 | 1/2 | 2,708.78 | 1/2 | 3,075.14 | 1/2 | 3,441.51 |
| 3/4 | 180.77 | 3/4 | 520.13 | 3/4 | 886.17 | 3/4 | 1,251.58 | 3/4 | 1,617.30 | 3/4 | 1,983.68 | 3/4 | 2,350.05 | 3/4 | 2,716.41 | 3/4 | 3,082.78 | 3/4 | 3,449.14 |
| 8 | 187.45 | 8 | 527.54 | 8 | 893.78 | 8 | 1,259.21 | 8 | 1,624.94 | 8 | 1,991.32 | 8 | 2,357.68 | 8 | 2,724.04 | 8 | 3,090.41 | 8 | 3,456.77 |
| 1/4 | 194.23 | 1/4 | 535.17 | 1/4 | 901.39 | 1/4 | 1,266.83 | 1/4 | 1,632.57 | 1/4 | 1,998.95 | 1/4 | 2,365.31 | 1/4 | 2,731.68 | 1/4 | 3,098.04 | 1/4 | 3,464.41 |
| 1/2 | 201.01 | 1/2 | 542.81 | 1/2 | 908.99 | 1/2 | 1,274.45 | 1/2 | 1,640.20 | 1/2 | 2,006.58 | 1/2 | 2,372.95 | 1/2 | 2,739.31 | 1/2 | 3,105.67 | 1/2 | 3,472.04 |
| 3/4 | 207.78 | 3/4 | 550.44 | 3/4 | 916.59 | 3/4 | 1,282.07 | 3/4 | 1,647.84 | 3/4 | 2,014.21 | 3/4 | 2,380.58 | 3/4 | 2,746.94 | 3/4 | 3,113.31 | 3/4 | 3,479.67 |
| 9 | 214.56 | 9 | 558.08 | 9 | 924.20 | 9 | 1,289.69 | 9 | 1,655.47 | 9 | 2,021.85 | 9 | 2,388.21 | 9 | 2,754.57 | 9 | 3,120.94 | 9 | 3,487.30 |
| 1/4 | 221.43 | 1/4 | 565.71 | 1/4 | 931.80 | 1/4 | 1,297.30 | 1/4 | 1,663.10 | 1/4 | 2,029.48 | 1/4 | 2,395.84 | 1/4 | 2,762.21 | 1/4 | 3,128.57 | 1/4 | 3,494.94 |
| 1/2 | 228.30 | 1/2 | 573.34 | 1/2 | 939.41 | 1/2 | 1,304.90 | 1/2 | 1,670.74 | 1/2 | 2,037.11 | 1/2 | 2,403.48 | 1/2 | 2,769.84 | 1/2 | 3,136.20 | 1/2 | 3,502.57 |
| 3/4 | 235.17 | 3/4 | 580.98 | 3/4 | 947.01 | 3/4 | 1,312.51 | 3/4 | 1,678.37 | 3/4 | 2,044.74 | 3/4 | 2,411.11 | 3/4 | 2,777.47 | 3/4 | 3,143.84 | 3/4 | 3,510.20 |
| 10 | 242.04 | 10 | 588.61 | 10 | 954.62 | 10 | 1,320.11 | 10 | 1,686.00 | 10 | 2,052.38 | 10 | 2,418.74 | 10 | 2,785.11 | 10 | 3,151.47 | 10 | 3,517.83 |
| 1/4 | 248.99 | 1/4 | 596.24 | 1/4 | 962.22 | 1/4 | 1,327.72 | 1/4 | 1,693.63 | 1/4 | 2,060.01 | 1/4 | 2,426.37 | 1/4 | 2,792.74 | 1/4 | 3,159.10 | 1/4 | 3,525.47 |
| 1/2 | 255.95 | 1/2 | 603.88 | 1/2 | 969.82 | 1/2 | 1,335.33 | 1/2 | 1,701.27 | 1/2 | 2,067.64 | 1/2 | 2,434.01 | 1/2 | 2,800.37 | 1/2 | 3,166.74 | 1/2 | 3,533.10 |
| 3/4 | 262.90 | 3/4 | 611.51 | 3/4 | 977.43 | 3/4 | 1,342.93 | 3/4 | 1,708.90 | 3/4 | 2,075.27 | 3/4 | 2,441.64 | 3/4 | 2,808.00 | 3/4 | 3,174.37 | 3/4 | 3,540.73 |
| 11 | 269.85 | 11 | 619.14 | 11 | 985.03 | 11 | 1,350.54 | 11 | 1,716.53 | 11 | 2,082.91 | 11 | 2,449.27 | 11 | 2,815.64 | 11 | 3,182.00 | 11 | 3,548.37 |
| 1/4 | 276.89 | 1/4 | 626.78 | 1/4 | 992.64 | 1/4 | 1,358.14 | 1/4 | 1,724.17 | 1/4 | 2,090.54 | 1/4 | 2,456.90 | 1/4 | 2,823.27 | 1/4 | 3,189.63 | 1/4 | 3,556.00 |
| 1/2 | 283.93 | 1/2 | 634.41 | 1/2 | 1,000.24 | 1/2 | 1,365.75 | 1/2 | 1,731.80 | 1/2 | 2,098.17 | 1/2 | 2,464.54 | 1/2 | 2,830.90 | 1/2 | 3,197.27 | 1/2 | 3,563.63 |
| 3/4 | 290.97 | 3/4 | 642.04 | 3/4 | 1,007.85 | 3/4 | 1,373.36 | 3/4 | 1,739.43 | 3/4 | 2,105.80 | 3/4 | 2,472.17 | 3/4 | 2,838.53 | 3/4 | 3,204.90 | 3/4 | 3,571.26 |

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 AT 2" RESTRICTED GAUGE STANDPIPE.
GAUGE POINT: (2" STANDPIPE) LOCATED 12'-09" OFF CENTERLINE AND 51'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 27712"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08"

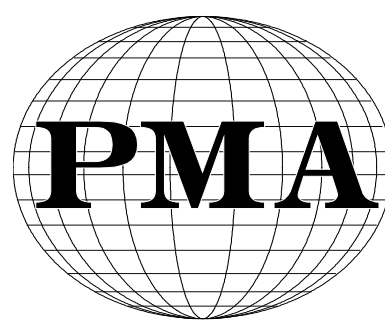
| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 3,578.90 | 0 | 3,944.11 | 0 | 4,292.97 | 0 | 4,616.75 | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 3,586.53 | 1/4 | 3,951.58 | 1/4 | 4,299.94 | 1/4 | 4,623.26 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,594.16 | 1/2 | 3,959.05 | 1/2 | 4,306.91 | 1/2 | 4,629.77 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,601.79 | 3/4 | 3,966.52 | 3/4 | 4,313.87 | 3/4 | 4,636.27 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 3,609.43 | 1 | 3,973.99 | 1 | 4,320.84 | 1 | 4,642.78 | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 3,617.06 | 1/4 | 3,981.42 | 1/4 | 4,327.75 | 1/4 | 4,649.25 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,624.69 | 1/2 | 3,988.85 | 1/2 | 4,334.66 | 1/2 | 4,655.72 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,632.32 | 3/4 | 3,996.29 | 3/4 | 4,341.56 | 3/4 | 4,662.18 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 3,639.96 | 2 | 4,003.72 | 2 | 4,348.47 | 2 | 4,668.65 | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 3,647.59 | 1/4 | 4,011.11 | 1/4 | 4,355.34 | 1/4 | 4,675.37 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,655.22 | 1/2 | 4,018.51 | 1/2 | 4,362.21 | 1/2 | 4,682.09 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,662.85 | 3/4 | 4,025.90 | 3/4 | 4,369.08 | 3/4 | 4,688.81 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 3,670.49 | 3 | 4,033.29 | 3 | 4,375.95 | 3 | 4,695.53 | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 3,678.12 | 1/4 | 4,040.65 | 1/4 | 4,382.79 | 1/4 | 4,702.80 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,685.75 | 1/2 | 4,048.01 | 1/2 | 4,389.62 | 1/2 | 4,710.07 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,693.38 | 3/4 | 4,055.37 | 3/4 | 4,396.45 | 3/4 | 4,717.34 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 3,701.02 | 4 | 4,062.73 | 4 | 4,403.29 | 4 | 4,724.61 | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 3,708.65 | 1/4 | 4,070.06 | 1/4 | 4,410.08 | 1/4 | 4,732.16 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,716.28 | 1/2 | 4,077.38 | 1/2 | 4,416.88 | 1/2 | 4,739.70 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,723.92 | 3/4 | 4,084.71 | 3/4 | 4,423.67 | 3/4 | 4,747.25 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 3,731.55 | 5 | 4,092.04 | 5 | 4,430.47 | 5 | 4,754.80 | 5 | | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 3,739.18 | 1/4 | 4,099.33 | 1/4 | 4,437.23 | 1/4 | 4,762.27 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,746.81 | 1/2 | 4,106.62 | 1/2 | 4,443.99 | 1/2 | 4,769.74 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,754.45 | 3/4 | 4,113.91 | 3/4 | 4,450.75 | 3/4 | 4,777.21 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 3,762.08 | 6 | 4,121.20 | 6 | 4,457.50 | 6 | 4,784.68 | 6 | | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 3,769.71 | 1/4 | 4,128.46 | 1/4 | 4,464.23 | 1/4 | 4,791.51 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,777.34 | 1/2 | 4,135.71 | 1/2 | 4,470.95 | 1/2 | 4,798.35 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,784.98 | 3/4 | 4,142.97 | 3/4 | 4,477.67 | 3/4 | 4,805.18 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 3,792.61 | 7 | 4,150.22 | 7 | 4,484.40 | 7 | 4,812.01 | 7 | | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 3,800.24 | 1/4 | 4,157.44 | 1/4 | 4,491.09 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,807.87 | 1/2 | 4,164.65 | 1/2 | 4,497.78 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,815.50 | 3/4 | 4,171.87 | 3/4 | 4,504.47 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 3,823.14 | 8 | 4,179.09 | 8 | 4,511.16 | 8 | | 8 | | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 3,830.75 | 1/4 | 4,186.27 | 1/4 | 4,517.82 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,838.36 | 1/2 | 4,193.45 | 1/2 | 4,524.47 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,845.98 | 3/4 | 4,200.62 | 3/4 | 4,531.13 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 3,853.59 | 9 | 4,207.80 | 9 | 4,537.78 | 9 | | 9 | | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 3,861.17 | 1/4 | 4,214.95 | 1/4 | 4,544.40 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,868.75 | 1/2 | 4,222.09 | 1/2 | 4,551.02 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,876.33 | 3/4 | 4,229.23 | 3/4 | 4,557.64 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 3,883.91 | 10 | 4,236.37 | 10 | 4,564.26 | 10 | | 10 | | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 3,891.46 | 1/4 | 4,243.48 | 1/4 | 4,570.84 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,899.00 | 1/2 | 4,250.58 | 1/2 | 4,577.42 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,906.54 | 3/4 | 4,257.69 | 3/4 | 4,584.00 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 3,914.09 | 11 | 4,264.79 | 11 | 4,590.58 | 11 | | 11 | | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 3,921.59 | 1/4 | 4,271.84 | 1/4 | 4,597.12 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,929.10 | 1/2 | 4,278.88 | 1/2 | 4,603.67 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,936.61 | 3/4 | 4,285.93 | 3/4 | 4,610.21 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/14/2003 CL - SW
VERIFIED: 01/10/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2024

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



BARGE "KIRBY 27712"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

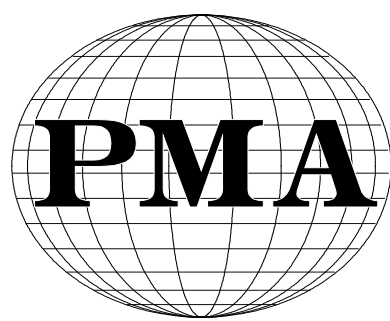
Table with 19 columns (IN, 0 FT., IN, 1 FT., IN, 2 FT., IN, 3 FT., IN, 4 FT., IN, 5 FT., IN, 6 FT., IN, 7 FT., IN, 8 FT., IN, 9 FT.) and multiple rows of capacity data.

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 AT 2" RESTRICTED GAUGE STANDPIPE. GAUGE POINT: (2" STANDPIPE) LOCATED 12'-09" OFF CENTERLINE AND 51'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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





BARGE "KIRBY 27712"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

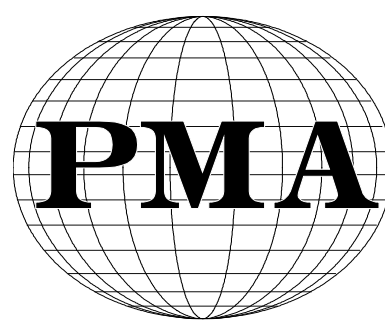
| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 3,603.06 | 0 | 3,965.80 | 0 | 4,312.30 | 0 | 4,633.86 | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 3,610.64 | 1/4 | 3,973.22 | 1/4 | 4,319.22 | 1/4 | 4,640.32 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,618.22 | 1/2 | 3,980.64 | 1/2 | 4,326.14 | 1/2 | 4,646.79 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,625.80 | 3/4 | 3,988.06 | 3/4 | 4,333.06 | 3/4 | 4,653.25 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 3,633.38 | 1 | 3,995.47 | 1 | 4,339.98 | 1 | 4,659.71 | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 3,640.96 | 1/4 | 4,002.86 | 1/4 | 4,346.84 | 1/4 | 4,666.13 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,648.54 | 1/2 | 4,010.24 | 1/2 | 4,353.70 | 1/2 | 4,672.56 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,656.12 | 3/4 | 4,017.62 | 3/4 | 4,360.56 | 3/4 | 4,678.98 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 3,663.70 | 2 | 4,025.00 | 2 | 4,367.42 | 2 | 4,685.41 | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 3,671.29 | 1/4 | 4,032.34 | 1/4 | 4,374.24 | 1/4 | 4,692.08 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,678.87 | 1/2 | 4,039.69 | 1/2 | 4,381.07 | 1/2 | 4,698.75 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,686.45 | 3/4 | 4,047.03 | 3/4 | 4,387.89 | 3/4 | 4,705.43 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 3,694.03 | 3 | 4,054.38 | 3 | 4,394.71 | 3 | 4,712.10 | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 3,701.61 | 1/4 | 4,061.69 | 1/4 | 4,401.50 | 1/4 | 4,719.32 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,709.19 | 1/2 | 4,069.00 | 1/2 | 4,408.29 | 1/2 | 4,726.54 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,716.77 | 3/4 | 4,076.31 | 3/4 | 4,415.07 | 3/4 | 4,733.76 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 3,724.35 | 4 | 4,083.61 | 4 | 4,421.86 | 4 | 4,740.98 | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 3,731.93 | 1/4 | 4,090.89 | 1/4 | 4,428.61 | 1/4 | 4,748.47 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,739.51 | 1/2 | 4,098.17 | 1/2 | 4,435.36 | 1/2 | 4,755.97 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,747.10 | 3/4 | 4,105.45 | 3/4 | 4,442.11 | 3/4 | 4,763.47 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 3,754.68 | 5 | 4,112.72 | 5 | 4,448.86 | 5 | 4,770.96 | 5 | | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 3,762.26 | 1/4 | 4,119.96 | 1/4 | 4,455.57 | 1/4 | 4,778.38 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,769.84 | 1/2 | 4,127.21 | 1/2 | 4,462.28 | 1/2 | 4,785.80 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,777.42 | 3/4 | 4,134.45 | 3/4 | 4,468.99 | 3/4 | 4,793.22 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 3,785.00 | 6 | 4,141.69 | 6 | 4,475.70 | 6 | 4,800.63 | 6 | | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 3,792.58 | 1/4 | 4,148.90 | 1/4 | 4,482.38 | 1/4 | 4,807.42 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,800.16 | 1/2 | 4,156.10 | 1/2 | 4,489.06 | 1/2 | 4,814.21 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,807.74 | 3/4 | 4,163.31 | 3/4 | 4,495.74 | 3/4 | 4,820.99 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 3,815.32 | 7 | 4,170.51 | 7 | 4,502.41 | 7 | 4,827.78 | 7 | | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 3,822.90 | 1/4 | 4,177.68 | 1/4 | 4,509.06 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,830.48 | 1/2 | 4,184.85 | 1/2 | 4,515.70 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,838.06 | 3/4 | 4,192.01 | 3/4 | 4,522.35 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 3,845.64 | 8 | 4,199.18 | 8 | 4,528.99 | 8 | | 8 | | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 3,853.20 | 1/4 | 4,206.31 | 1/4 | 4,535.60 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,860.76 | 1/2 | 4,213.44 | 1/2 | 4,542.21 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,868.32 | 3/4 | 4,220.58 | 3/4 | 4,548.82 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 3,875.89 | 9 | 4,227.71 | 9 | 4,555.43 | 9 | | 9 | | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 3,883.42 | 1/4 | 4,234.80 | 1/4 | 4,562.01 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,890.95 | 1/2 | 4,241.89 | 1/2 | 4,568.58 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,898.48 | 3/4 | 4,248.99 | 3/4 | 4,575.15 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 3,906.01 | 10 | 4,256.08 | 10 | 4,581.72 | 10 | | 10 | | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 3,913.50 | 1/4 | 4,263.14 | 1/4 | 4,588.26 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,920.99 | 1/2 | 4,270.19 | 1/2 | 4,594.80 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,928.48 | 3/4 | 4,277.25 | 3/4 | 4,601.33 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 3,935.98 | 11 | 4,284.31 | 11 | 4,607.87 | 11 | | 11 | | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 3,943.43 | 1/4 | 4,291.31 | 1/4 | 4,614.37 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,950.89 | 1/2 | 4,298.30 | 1/2 | 4,620.87 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,958.34 | 3/4 | 4,305.30 | 3/4 | 4,627.36 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/14/2003 CL - SW
VERIFIED: 01/10/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2024

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



BARGE "KIRBY 27712"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

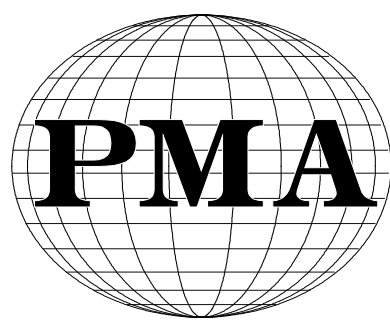
GAUGE HEIGHT 16'-07 1/2"

| 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 | 13.26 | 0 | 356.46 | 0 | 713.16 | 0 | 1,076.75 | 0 | 1,438.86 | 0 | 1,800.79 | 0 | 2,164.99 | 0 | 2,529.18 | 0 | 2,893.37 | 0 | 3,257.56 |
| 1/4 | 18.32 | 1/4 | 364.04 | 1/4 | 720.74 | 1/4 | 1,084.31 | 1/4 | 1,446.28 | 1/4 | 1,808.38 | 1/4 | 2,172.57 | 1/4 | 2,536.76 | 1/4 | 2,900.96 | 1/4 | 3,265.15 |
| 1/2 | 23.37 | 1/2 | 371.62 | 1/2 | 728.33 | 1/2 | 1,091.87 | 1/2 | 1,453.71 | 1/2 | 1,815.96 | 1/2 | 2,180.16 | 1/2 | 2,544.35 | 1/2 | 2,908.54 | 1/2 | 3,272.73 |
| 3/4 | 28.43 | 3/4 | 379.20 | 3/4 | 735.92 | 3/4 | 1,099.43 | 3/4 | 1,461.13 | 3/4 | 1,823.55 | 3/4 | 2,187.75 | 3/4 | 2,551.94 | 3/4 | 2,916.13 | 3/4 | 3,280.32 |
| 1 | 33.49 | 1 | 386.78 | 1 | 743.51 | 1 | 1,106.99 | 1 | 1,468.56 | 1 | 1,831.14 | 1 | 2,195.34 | 1 | 2,559.53 | 1 | 2,923.72 | 1 | 3,287.91 |
| 1/4 | 40.39 | 1/4 | 394.35 | 1/4 | 751.09 | 1/4 | 1,114.55 | 1/4 | 1,475.98 | 1/4 | 1,838.73 | 1/4 | 2,202.92 | 1/4 | 2,567.11 | 1/4 | 2,931.30 | 1/4 | 3,295.49 |
| 1/2 | 47.29 | 1/2 | 401.91 | 1/2 | 758.68 | 1/2 | 1,122.11 | 1/2 | 1,483.41 | 1/2 | 1,846.31 | 1/2 | 2,210.51 | 1/2 | 2,574.70 | 1/2 | 2,938.89 | 1/2 | 3,303.08 |
| 3/4 | 54.20 | 3/4 | 409.48 | 3/4 | 766.27 | 3/4 | 1,129.67 | 3/4 | 1,490.83 | 3/4 | 1,853.90 | 3/4 | 2,218.10 | 3/4 | 2,582.29 | 3/4 | 2,946.48 | 3/4 | 3,310.67 |
| 2 | 61.10 | 2 | 417.04 | 2 | 773.86 | 2 | 1,137.23 | 2 | 1,498.26 | 2 | 1,861.49 | 2 | 2,225.69 | 2 | 2,589.88 | 2 | 2,954.07 | 2 | 3,318.26 |
| 1/4 | 68.39 | 1/4 | 424.60 | 1/4 | 781.45 | 1/4 | 1,144.79 | 1/4 | 1,505.68 | 1/4 | 1,869.08 | 1/4 | 2,233.27 | 1/4 | 2,597.46 | 1/4 | 2,961.65 | 1/4 | 3,325.84 |
| 1/2 | 75.68 | 1/2 | 432.16 | 1/2 | 789.03 | 1/2 | 1,152.34 | 1/2 | 1,513.11 | 1/2 | 1,876.66 | 1/2 | 2,240.86 | 1/2 | 2,605.05 | 1/2 | 2,969.24 | 1/2 | 3,333.43 |
| 3/4 | 82.97 | 3/4 | 439.72 | 3/4 | 796.62 | 3/4 | 1,159.90 | 3/4 | 1,520.53 | 3/4 | 1,884.25 | 3/4 | 2,248.45 | 3/4 | 2,612.64 | 3/4 | 2,976.83 | 3/4 | 3,341.02 |
| 3 | 90.26 | 3 | 447.27 | 3 | 804.21 | 3 | 1,167.46 | 3 | 1,527.96 | 3 | 1,891.84 | 3 | 2,256.03 | 3 | 2,620.23 | 3 | 2,984.42 | 3 | 3,348.61 |
| 1/4 | 97.13 | 1/4 | 454.84 | 1/4 | 811.80 | 1/4 | 1,175.02 | 1/4 | 1,535.47 | 1/4 | 1,899.43 | 1/4 | 2,263.62 | 1/4 | 2,627.81 | 1/4 | 2,992.00 | 1/4 | 3,356.19 |
| 1/2 | 104.00 | 1/2 | 462.41 | 1/2 | 819.39 | 1/2 | 1,182.58 | 1/2 | 1,542.97 | 1/2 | 1,907.01 | 1/2 | 2,271.21 | 1/2 | 2,635.40 | 1/2 | 2,999.59 | 1/2 | 3,363.78 |
| 3/4 | 110.87 | 3/4 | 469.97 | 3/4 | 826.97 | 3/4 | 1,190.15 | 3/4 | 1,550.48 | 3/4 | 1,914.60 | 3/4 | 2,278.80 | 3/4 | 2,642.99 | 3/4 | 3,007.18 | 3/4 | 3,371.37 |
| 4 | 117.75 | 4 | 477.54 | 4 | 834.56 | 4 | 1,197.71 | 4 | 1,557.99 | 4 | 1,922.19 | 4 | 2,286.38 | 4 | 2,650.57 | 4 | 3,014.76 | 4 | 3,378.96 |
| 1/4 | 124.63 | 1/4 | 484.89 | 1/4 | 842.15 | 1/4 | 1,205.28 | 1/4 | 1,565.57 | 1/4 | 1,929.78 | 1/4 | 2,293.97 | 1/4 | 2,658.16 | 1/4 | 3,022.35 | 1/4 | 3,386.54 |
| 1/2 | 131.52 | 1/2 | 492.25 | 1/2 | 849.74 | 1/2 | 1,212.86 | 1/2 | 1,573.16 | 1/2 | 1,937.37 | 1/2 | 2,301.56 | 1/2 | 2,665.75 | 1/2 | 3,029.94 | 1/2 | 3,394.13 |
| 3/4 | 138.40 | 3/4 | 499.61 | 3/4 | 857.33 | 3/4 | 1,220.43 | 3/4 | 1,580.75 | 3/4 | 1,944.95 | 3/4 | 2,309.15 | 3/4 | 2,673.34 | 3/4 | 3,037.53 | 3/4 | 3,401.72 |
| 5 | 145.29 | 5 | 506.96 | 5 | 864.91 | 5 | 1,228.01 | 5 | 1,588.34 | 5 | 1,952.54 | 5 | 2,316.73 | 5 | 2,680.92 | 5 | 3,045.11 | 5 | 3,409.30 |
| 1/4 | 152.62 | 1/4 | 513.88 | 1/4 | 872.50 | 1/4 | 1,235.60 | 1/4 | 1,595.92 | 1/4 | 1,960.13 | 1/4 | 2,324.32 | 1/4 | 2,688.51 | 1/4 | 3,052.70 | 1/4 | 3,416.89 |
| 1/2 | 159.95 | 1/2 | 520.79 | 1/2 | 880.09 | 1/2 | 1,243.19 | 1/2 | 1,603.51 | 1/2 | 1,967.72 | 1/2 | 2,331.91 | 1/2 | 2,696.10 | 1/2 | 3,060.29 | 1/2 | 3,424.48 |
| 3/4 | 167.28 | 3/4 | 527.71 | 3/4 | 887.68 | 3/4 | 1,250.77 | 3/4 | 1,611.10 | 3/4 | 1,975.30 | 3/4 | 2,339.50 | 3/4 | 2,703.69 | 3/4 | 3,067.88 | 3/4 | 3,432.07 |
| 6 | 174.61 | 6 | 534.63 | 6 | 895.26 | 6 | 1,258.36 | 6 | 1,618.69 | 6 | 1,982.89 | 6 | 2,347.08 | 6 | 2,711.27 | 6 | 3,075.46 | 6 | 3,439.65 |
| 1/4 | 182.17 | 1/4 | 541.54 | 1/4 | 902.84 | 1/4 | 1,265.95 | 1/4 | 1,626.27 | 1/4 | 1,990.48 | 1/4 | 2,354.67 | 1/4 | 2,718.86 | 1/4 | 3,083.05 | 1/4 | 3,447.24 |
| 1/2 | 189.72 | 1/2 | 548.46 | 1/2 | 910.42 | 1/2 | 1,273.54 | 1/2 | 1,633.86 | 1/2 | 1,998.07 | 1/2 | 2,362.26 | 1/2 | 2,726.45 | 1/2 | 3,090.64 | 1/2 | 3,454.83 |
| 3/4 | 197.28 | 3/4 | 555.37 | 3/4 | 917.99 | 3/4 | 1,281.13 | 3/4 | 1,641.45 | 3/4 | 2,005.65 | 3/4 | 2,369.84 | 3/4 | 2,734.03 | 3/4 | 3,098.23 | 3/4 | 3,462.42 |
| 7 | 204.84 | 7 | 562.29 | 7 | 925.57 | 7 | 1,288.71 | 7 | 1,649.04 | 7 | 2,013.24 | 7 | 2,377.43 | 7 | 2,741.62 | 7 | 3,105.81 | 7 | 3,470.00 |
| 1/4 | 212.40 | 1/4 | 569.65 | 1/4 | 933.13 | 1/4 | 1,296.30 | 1/4 | 1,656.62 | 1/4 | 2,020.83 | 1/4 | 2,385.02 | 1/4 | 2,749.21 | 1/4 | 3,113.40 | 1/4 | 3,477.59 |
| 1/2 | 219.97 | 1/2 | 577.02 | 1/2 | 940.69 | 1/2 | 1,303.89 | 1/2 | 1,664.21 | 1/2 | 2,028.42 | 1/2 | 2,392.61 | 1/2 | 2,756.80 | 1/2 | 3,120.99 | 1/2 | 3,485.18 |
| 3/4 | 227.53 | 3/4 | 584.38 | 3/4 | 948.25 | 3/4 | 1,311.48 | 3/4 | 1,671.80 | 3/4 | 2,036.00 | 3/4 | 2,400.19 | 3/4 | 2,764.38 | 3/4 | 3,128.57 | 3/4 | 3,492.76 |
| 8 | 235.10 | 8 | 591.74 | 8 | 955.81 | 8 | 1,319.07 | 8 | 1,679.39 | 8 | 2,043.59 | 8 | 2,407.78 | 8 | 2,771.97 | 8 | 3,136.16 | 8 | 3,500.35 |
| 1/4 | 242.68 | 1/4 | 599.33 | 1/4 | 963.37 | 1/4 | 1,326.66 | 1/4 | 1,686.97 | 1/4 | 2,051.18 | 1/4 | 2,415.37 | 1/4 | 2,779.56 | 1/4 | 3,143.75 | 1/4 | 3,507.94 |
| 1/2 | 250.26 | 1/2 | 606.92 | 1/2 | 970.93 | 1/2 | 1,334.24 | 1/2 | 1,694.56 | 1/2 | 2,058.76 | 1/2 | 2,422.96 | 1/2 | 2,787.15 | 1/2 | 3,151.34 | 1/2 | 3,515.53 |
| 3/4 | 257.84 | 3/4 | 614.51 | 3/4 | 978.49 | 3/4 | 1,341.83 | 3/4 | 1,702.15 | 3/4 | 2,066.35 | 3/4 | 2,430.54 | 3/4 | 2,794.73 | 3/4 | 3,158.92 | 3/4 | 3,523.11 |
| 9 | 265.42 | 9 | 622.10 | 9 | 986.05 | 9 | 1,349.42 | 9 | 1,709.74 | 9 | 2,073.94 | 9 | 2,438.13 | 9 | 2,802.32 | 9 | 3,166.51 | 9 | 3,530.70 |
| 1/4 | 273.00 | 1/4 | 629.69 | 1/4 | 993.61 | 1/4 | 1,356.93 | 1/4 | 1,717.32 | 1/4 | 2,081.53 | 1/4 | 2,445.72 | 1/4 | 2,809.91 | 1/4 | 3,174.10 | 1/4 | 3,538.29 |
| 1/2 | 280.59 | 1/2 | 637.27 | 1/2 | 1,001.16 | 1/2 | 1,364.43 | 1/2 | 1,724.91 | 1/2 | 2,089.11 | 1/2 | 2,453.30 | 1/2 | 2,817.49 | 1/2 | 3,181.69 | 1/2 | 3,545.88 |
| 3/4 | 288.18 | 3/4 | 644.86 | 3/4 | 1,008.72 | 3/4 | 1,371.94 | 3/4 | 1,732.50 | 3/4 | 2,096.70 | 3/4 | 2,460.89 | 3/4 | 2,825.08 | 3/4 | 3,189.27 | 3/4 | 3,553.46 |
| 10 | 295.76 | 10 | 652.45 | 10 | 1,016.28 | 10 | 1,379.45 | 10 | 1,740.09 | 10 | 2,104.29 | 10 | 2,468.48 | 10 | 2,832.67 | 10 | 3,196.86 | 10 | 3,561.05 |
| 1/4 | 303.35 | 1/4 | 660.04 | 1/4 | 1,023.84 | 1/4 | 1,386.87 | 1/4 | 1,747.68 | 1/4 | 2,111.88 | 1/4 | 2,476.07 | 1/4 | 2,840.26 | 1/4 | 3,204.45 | 1/4 | 3,568.64 |
| 1/2 | 310.94 | 1/2 | 667.63 | 1/2 | 1,031.40 | 1/2 | 1,394.30 | 1/2 | 1,755.26 | 1/2 | 2,119.46 | 1/2 | 2,483.65 | 1/2 | 2,847.84 | 1/2 | 3,212.03 | 1/2 | 3,576.22 |
| 3/4 | 318.52 | 3/4 | 675.22 | 3/4 | 1,038.96 | 3/4 | 1,401.73 | 3/4 | 1,762.85 | 3/4 | 2,127.05 | 3/4 | 2,491.24 | 3/4 | 2,855.43 | 3/4 | 3,219.62 | 3/4 | 3,583.81 |
| 11 | 326.11 | 11 | 682.80 | 11 | 1,046.52 | 11 | 1,409.15 | 11 | 1,770.44 | 11 | 2,134.64 | 11 | 2,498.83 | 11 | 2,863.02 | 11 | 3,227.21 | 11 | 3,591.40 |
| 1/4 | 333.70 | 1/4 | 690.39 | 1/4 | 1,054.08 | 1/4 | 1,416.58 | 1/4 | 1,778.03 | 1/4 | 2,142.23 | 1/4 | 2,506.42 | 1/4 | 2,870.61 | 1/4 | 3,234.80 | 1/4 | 3,598.99 |
| 1/2 | 341.29 | 1/2 | 697.98 | 1/2 | 1,061.64 | 1/2 | 1,424.00 | 1/2 | 1,785.61 | 1/2 | 2,149.81 | 1/2 | 2,514.00 | 1/2 | 2,878.19 | 1/2 | 3,242.38 | 1/2 | 3,606.57 |
| 3/4 | 348.87 | 3/4 | 705.57 | 3/4 | 1,069.20 | 3/4 | 1,431.43 | 3/4 | 1,793.20 | 3/4 | 2,157.40 | 3/4 | 2,521.59 | 3/4 | 2,885.78 | 3/4 | 3,249.97 | 3/4 | 3,614.16 |

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 AT 2" RESTRICTED GAUGE STANDPIPE.
 GAUGE POINT: (2" STANDPIPE) LOCATED 12'-09" OFF CENTERLINE AND 51'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 27712"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

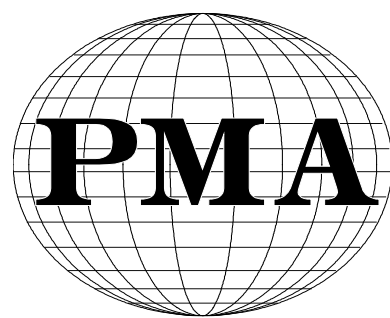
| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 3,621.75 | 0 | 3,984.80 | 0 | 4,331.59 | 0 | 4,653.42 | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 3,629.34 | 1/4 | 3,992.23 | 1/4 | 4,338.52 | 1/4 | 4,659.89 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,636.92 | 1/2 | 3,999.65 | 1/2 | 4,345.44 | 1/2 | 4,666.36 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,644.51 | 3/4 | 4,007.08 | 3/4 | 4,352.37 | 3/4 | 4,672.83 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 3,652.10 | 1 | 4,014.50 | 1 | 4,359.29 | 1 | 4,679.29 | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 3,659.69 | 1/4 | 4,021.89 | 1/4 | 4,366.16 | 1/4 | 4,685.72 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,667.27 | 1/2 | 4,029.28 | 1/2 | 4,373.03 | 1/2 | 4,692.15 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,674.86 | 3/4 | 4,036.67 | 3/4 | 4,379.89 | 3/4 | 4,698.58 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 3,682.45 | 2 | 4,044.05 | 2 | 4,386.76 | 2 | 4,705.01 | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 3,690.03 | 1/4 | 4,051.40 | 1/4 | 4,393.59 | 1/4 | 4,711.69 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,697.62 | 1/2 | 4,058.75 | 1/2 | 4,400.42 | 1/2 | 4,718.37 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,705.21 | 3/4 | 4,066.10 | 3/4 | 4,407.25 | 3/4 | 4,725.05 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 3,712.80 | 3 | 4,073.46 | 3 | 4,414.07 | 3 | 4,731.73 | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 3,720.38 | 1/4 | 4,080.77 | 1/4 | 4,420.87 | 1/4 | 4,738.95 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,727.97 | 1/2 | 4,088.09 | 1/2 | 4,427.66 | 1/2 | 4,746.18 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,735.56 | 3/4 | 4,095.40 | 3/4 | 4,434.45 | 3/4 | 4,753.40 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 3,743.15 | 4 | 4,102.72 | 4 | 4,441.24 | 4 | 4,760.63 | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 3,750.73 | 1/4 | 4,110.00 | 1/4 | 4,448.00 | 1/4 | 4,768.13 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,758.32 | 1/2 | 4,117.28 | 1/2 | 4,454.75 | 1/2 | 4,775.64 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,765.91 | 3/4 | 4,124.57 | 3/4 | 4,461.51 | 3/4 | 4,783.14 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 3,773.49 | 5 | 4,131.85 | 5 | 4,468.26 | 5 | 4,790.64 | 5 | | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 3,781.08 | 1/4 | 4,139.10 | 1/4 | 4,474.98 | 1/4 | 4,798.06 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,788.67 | 1/2 | 4,146.35 | 1/2 | 4,481.70 | 1/2 | 4,805.49 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,796.26 | 3/4 | 4,153.59 | 3/4 | 4,488.42 | 3/4 | 4,812.91 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 3,803.84 | 6 | 4,160.84 | 6 | 4,495.13 | 6 | 4,820.34 | 6 | | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 3,811.43 | 1/4 | 4,168.05 | 1/4 | 4,501.82 | 1/4 | 4,827.13 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,819.02 | 1/2 | 4,175.26 | 1/2 | 4,508.50 | 1/2 | 4,833.92 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,826.61 | 3/4 | 4,182.48 | 3/4 | 4,515.18 | 3/4 | 4,840.71 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 3,834.19 | 7 | 4,189.69 | 7 | 4,521.87 | 7 | 4,847.50 | 7 | | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 3,841.78 | 1/4 | 4,196.86 | 1/4 | 4,528.52 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,849.37 | 1/2 | 4,204.03 | 1/2 | 4,535.17 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,856.96 | 3/4 | 4,211.21 | 3/4 | 4,541.82 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 3,864.54 | 8 | 4,218.38 | 8 | 4,548.47 | 8 | | 8 | | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 3,872.11 | 1/4 | 4,225.52 | 1/4 | 4,555.08 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,879.68 | 1/2 | 4,232.66 | 1/2 | 4,561.70 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,887.25 | 3/4 | 4,239.79 | 3/4 | 4,568.31 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 3,894.81 | 9 | 4,246.93 | 9 | 4,574.93 | 9 | | 9 | | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 3,902.35 | 1/4 | 4,254.03 | 1/4 | 4,581.51 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,909.89 | 1/2 | 4,261.13 | 1/2 | 4,588.09 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,917.42 | 3/4 | 4,268.23 | 3/4 | 4,594.67 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 3,924.96 | 10 | 4,275.33 | 10 | 4,601.24 | 10 | | 10 | | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 3,932.46 | 1/4 | 4,282.39 | 1/4 | 4,607.78 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,939.96 | 1/2 | 4,289.45 | 1/2 | 4,614.33 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,947.46 | 3/4 | 4,296.51 | 3/4 | 4,620.87 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 3,954.96 | 11 | 4,303.58 | 11 | 4,627.41 | 11 | | 11 | | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 3,962.42 | 1/4 | 4,310.58 | 1/4 | 4,633.91 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,969.88 | 1/2 | 4,317.59 | 1/2 | 4,640.42 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,977.34 | 3/4 | 4,324.59 | 3/4 | 4,646.92 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/14/2003 CL - SW
VERIFIED: 01/10/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2024

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



BARGE "KIRBY 27712"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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 | 47.22 | 0 | 325.54 | 0 | 679.05 | 0 | 1,031.92 | 0 | 1,389.09 | 0 | 1,751.20 | 0 | 2,114.85 | 0 | 2,478.49 | 0 | 2,842.13 | 0 | 3,205.81 |
| 1/4 | 48.17 | 1/4 | 333.09 | 1/4 | 686.42 | 1/4 | 1,039.26 | 1/4 | 1,396.49 | 1/4 | 1,758.78 | 1/4 | 2,122.43 | 1/4 | 2,486.06 | 1/4 | 2,849.70 | 1/4 | 3,213.41 |
| 1/2 | 49.12 | 1/2 | 340.64 | 1/2 | 693.79 | 1/2 | 1,046.59 | 1/2 | 1,403.90 | 1/2 | 1,766.36 | 1/2 | 2,130.00 | 1/2 | 2,493.64 | 1/2 | 2,857.28 | 1/2 | 3,221.01 |
| 3/4 | 50.06 | 3/4 | 348.19 | 3/4 | 701.16 | 3/4 | 1,053.93 | 3/4 | 1,411.30 | 3/4 | 1,773.93 | 3/4 | 2,137.58 | 3/4 | 2,501.22 | 3/4 | 2,864.85 | 3/4 | 3,228.61 |
| 1 | 51.01 | 1 | 355.74 | 1 | 708.53 | 1 | 1,061.27 | 1 | 1,418.70 | 1 | 1,781.51 | 1 | 2,145.15 | 1 | 2,508.79 | 1 | 2,872.43 | 1 | 3,236.21 |
| 1/4 | 52.81 | 1/4 | 363.30 | 1/4 | 715.90 | 1/4 | 1,068.61 | 1/4 | 1,426.17 | 1/4 | 1,789.08 | 1/4 | 2,152.73 | 1/4 | 2,516.37 | 1/4 | 2,880.01 | 1/4 | 3,243.81 |
| 1/2 | 54.61 | 1/2 | 370.86 | 1/2 | 723.27 | 1/2 | 1,075.95 | 1/2 | 1,433.64 | 1/2 | 1,796.66 | 1/2 | 2,160.30 | 1/2 | 2,523.94 | 1/2 | 2,887.58 | 1/2 | 3,251.40 |
| 3/4 | 56.41 | 3/4 | 378.42 | 3/4 | 730.64 | 3/4 | 1,083.29 | 3/4 | 1,441.12 | 3/4 | 1,804.24 | 3/4 | 2,167.88 | 3/4 | 2,531.52 | 3/4 | 2,895.16 | 3/4 | 3,259.00 |
| 2 | 58.21 | 2 | 385.97 | 2 | 738.01 | 2 | 1,090.63 | 2 | 1,448.59 | 2 | 1,811.81 | 2 | 2,175.46 | 2 | 2,539.09 | 2 | 2,902.73 | 2 | 3,266.60 |
| 1/4 | 61.28 | 1/4 | 393.32 | 1/4 | 745.38 | 1/4 | 1,097.98 | 1/4 | 1,456.14 | 1/4 | 1,819.39 | 1/4 | 2,183.03 | 1/4 | 2,546.67 | 1/4 | 2,910.31 | 1/4 | 3,274.20 |
| 1/2 | 64.36 | 1/2 | 400.67 | 1/2 | 752.75 | 1/2 | 1,105.33 | 1/2 | 1,463.69 | 1/2 | 1,826.96 | 1/2 | 2,190.61 | 1/2 | 2,554.25 | 1/2 | 2,917.88 | 1/2 | 3,281.80 |
| 3/4 | 67.44 | 3/4 | 408.02 | 3/4 | 760.12 | 3/4 | 1,112.67 | 3/4 | 1,471.24 | 3/4 | 1,834.54 | 3/4 | 2,198.18 | 3/4 | 2,561.82 | 3/4 | 2,925.46 | 3/4 | 3,289.40 |
| 3 | 70.52 | 3 | 415.37 | 3 | 767.49 | 3 | 1,120.02 | 3 | 1,478.80 | 3 | 1,842.12 | 3 | 2,205.76 | 3 | 2,569.40 | 3 | 2,933.04 | 3 | 3,296.99 |
| 1/4 | 75.31 | 1/4 | 422.28 | 1/4 | 774.86 | 1/4 | 1,127.48 | 1/4 | 1,486.35 | 1/4 | 1,849.69 | 1/4 | 2,213.33 | 1/4 | 2,576.97 | 1/4 | 2,940.61 | 1/4 | 3,304.59 |
| 1/2 | 80.10 | 1/2 | 429.19 | 1/2 | 782.23 | 1/2 | 1,134.93 | 1/2 | 1,493.90 | 1/2 | 1,857.27 | 1/2 | 2,220.91 | 1/2 | 2,584.55 | 1/2 | 2,948.19 | 1/2 | 3,312.19 |
| 3/4 | 84.89 | 3/4 | 436.09 | 3/4 | 789.60 | 3/4 | 1,142.39 | 3/4 | 1,501.45 | 3/4 | 1,864.84 | 3/4 | 2,228.49 | 3/4 | 2,592.12 | 3/4 | 2,955.76 | 3/4 | 3,319.79 |
| 4 | 89.68 | 4 | 443.00 | 4 | 796.97 | 4 | 1,149.84 | 4 | 1,509.01 | 4 | 1,872.42 | 4 | 2,236.06 | 4 | 2,599.70 | 4 | 2,963.34 | 4 | 3,327.39 |
| 1/4 | 95.96 | 1/4 | 449.91 | 1/4 | 804.32 | 1/4 | 1,157.40 | 1/4 | 1,516.56 | 1/4 | 1,880.00 | 1/4 | 2,243.64 | 1/4 | 2,607.28 | 1/4 | 2,970.91 | 1/4 | 3,334.99 |
| 1/2 | 102.24 | 1/2 | 456.82 | 1/2 | 811.68 | 1/2 | 1,164.96 | 1/2 | 1,524.11 | 1/2 | 1,887.57 | 1/2 | 2,251.21 | 1/2 | 2,614.85 | 1/2 | 2,978.49 | 1/2 | 3,342.58 |
| 3/4 | 108.52 | 3/4 | 463.73 | 3/4 | 819.04 | 3/4 | 1,172.52 | 3/4 | 1,531.66 | 3/4 | 1,895.15 | 3/4 | 2,258.79 | 3/4 | 2,622.43 | 3/4 | 2,986.07 | 3/4 | 3,350.18 |
| 5 | 114.81 | 5 | 470.63 | 5 | 826.40 | 5 | 1,180.08 | 5 | 1,539.22 | 5 | 1,902.72 | 5 | 2,266.37 | 5 | 2,630.00 | 5 | 2,993.64 | 5 | 3,357.78 |
| 1/4 | 122.05 | 1/4 | 477.99 | 1/4 | 833.74 | 1/4 | 1,187.64 | 1/4 | 1,546.77 | 1/4 | 1,910.30 | 1/4 | 2,273.94 | 1/4 | 2,637.58 | 1/4 | 3,001.22 | 1/4 | 3,363.62 |
| 1/2 | 129.29 | 1/2 | 485.35 | 1/2 | 841.08 | 1/2 | 1,195.21 | 1/2 | 1,554.32 | 1/2 | 1,917.88 | 1/2 | 2,281.52 | 1/2 | 2,645.16 | 1/2 | 3,008.79 | 1/2 | 3,369.45 |
| 3/4 | 136.53 | 3/4 | 492.70 | 3/4 | 848.43 | 3/4 | 1,202.77 | 3/4 | 1,561.87 | 3/4 | 1,925.45 | 3/4 | 2,289.09 | 3/4 | 2,652.73 | 3/4 | 3,016.37 | 3/4 | 3,375.29 |
| 6 | 143.77 | 6 | 500.06 | 6 | 855.77 | 6 | 1,210.33 | 6 | 1,569.43 | 6 | 1,933.03 | 6 | 2,296.67 | 6 | 2,660.31 | 6 | 3,023.95 | 6 | 3,381.13 |
| 1/4 | 151.34 | 1/4 | 507.64 | 1/4 | 863.11 | 1/4 | 1,217.89 | 1/4 | 1,576.99 | 1/4 | 1,940.61 | 1/4 | 2,304.24 | 1/4 | 2,667.88 | 1/4 | 3,031.52 | 1/4 | 3,385.20 |
| 1/2 | 158.91 | 1/2 | 515.22 | 1/2 | 870.45 | 1/2 | 1,225.45 | 1/2 | 1,584.56 | 1/2 | 1,948.18 | 1/2 | 2,311.82 | 1/2 | 2,675.46 | 1/2 | 3,039.10 | 1/2 | 3,389.28 |
| 3/4 | 166.49 | 3/4 | 522.80 | 3/4 | 877.79 | 3/4 | 1,233.01 | 3/4 | 1,592.12 | 3/4 | 1,955.76 | 3/4 | 2,319.40 | 3/4 | 2,683.03 | 3/4 | 3,046.67 | 3/4 | 3,393.35 |
| 7 | 174.06 | 7 | 530.38 | 7 | 885.13 | 7 | 1,240.57 | 7 | 1,599.68 | 7 | 1,963.33 | 7 | 2,326.97 | 7 | 2,690.61 | 7 | 3,054.25 | 7 | 3,397.43 |
| 1/4 | 181.64 | 1/4 | 537.96 | 1/4 | 892.47 | 1/4 | 1,248.05 | 1/4 | 1,607.26 | 1/4 | 1,970.91 | 1/4 | 2,334.55 | 1/4 | 2,698.19 | 1/4 | 3,061.82 | 1/4 | 3,401.50 |
| 1/2 | 189.22 | 1/2 | 545.55 | 1/2 | 899.81 | 1/2 | 1,255.53 | 1/2 | 1,614.84 | 1/2 | 1,978.48 | 1/2 | 2,342.12 | 1/2 | 2,705.76 | 1/2 | 3,069.40 | 1/2 | 3,405.58 |
| 3/4 | 196.80 | 3/4 | 553.13 | 3/4 | 907.15 | 3/4 | 1,263.01 | 3/4 | 1,622.41 | 3/4 | 1,986.06 | 3/4 | 2,349.70 | 3/4 | 2,713.34 | 3/4 | 3,076.98 | 3/4 | 3,409.65 |
| 8 | 204.38 | 8 | 560.71 | 8 | 914.50 | 8 | 1,270.49 | 8 | 1,629.99 | 8 | 1,993.64 | 8 | 2,357.27 | 8 | 2,720.91 | 8 | 3,084.55 | 8 | 3,413.73 |
| 1/4 | 211.96 | 1/4 | 568.18 | 1/4 | 921.84 | 1/4 | 1,277.89 | 1/4 | 1,637.56 | 1/4 | 2,001.21 | 1/4 | 2,364.85 | 1/4 | 2,728.49 | 1/4 | 3,092.13 | 1/4 | 3,417.80 |
| 1/2 | 219.54 | 1/2 | 575.66 | 1/2 | 929.17 | 1/2 | 1,285.30 | 1/2 | 1,645.14 | 1/2 | 2,008.79 | 1/2 | 2,372.43 | 1/2 | 2,736.06 | 1/2 | 3,099.70 | 1/2 | 3,421.88 |
| 3/4 | 227.12 | 3/4 | 583.13 | 3/4 | 936.51 | 3/4 | 1,292.71 | 3/4 | 1,652.72 | 3/4 | 2,016.36 | 3/4 | 2,380.00 | 3/4 | 2,743.64 | 3/4 | 3,107.28 | 3/4 | 3,425.95 |
| 9 | 234.70 | 9 | 590.61 | 9 | 943.85 | 9 | 1,300.11 | 9 | 1,660.29 | 9 | 2,023.94 | 9 | 2,387.58 | 9 | 2,751.22 | 9 | 3,114.85 | 9 | 3,430.03 |
| 1/4 | 242.28 | 1/4 | 597.98 | 1/4 | 951.19 | 1/4 | 1,307.53 | 1/4 | 1,667.87 | 1/4 | 2,031.52 | 1/4 | 2,395.15 | 1/4 | 2,758.79 | 1/4 | 3,122.43 | 1/4 | 3,434.10 |
| 1/2 | 249.86 | 1/2 | 605.35 | 1/2 | 958.53 | 1/2 | 1,314.94 | 1/2 | 1,675.44 | 1/2 | 2,039.09 | 1/2 | 2,402.73 | 1/2 | 2,766.37 | 1/2 | 3,130.01 | 1/2 | 3,438.18 |
| 3/4 | 257.44 | 3/4 | 612.72 | 3/4 | 965.87 | 3/4 | 1,322.36 | 3/4 | 1,683.02 | 3/4 | 2,046.67 | 3/4 | 2,410.31 | 3/4 | 2,773.94 | 3/4 | 3,137.58 | 3/4 | 3,442.25 |
| 10 | 265.02 | 10 | 620.09 | 10 | 973.21 | 10 | 1,329.77 | 10 | 1,690.60 | 10 | 2,054.24 | 10 | 2,417.88 | 10 | 2,781.52 | 10 | 3,145.16 | 10 | 3,446.33 |
| 1/4 | 272.59 | 1/4 | 627.46 | 1/4 | 980.55 | 1/4 | 1,337.19 | 1/4 | 1,698.17 | 1/4 | 2,061.82 | 1/4 | 2,425.46 | 1/4 | 2,789.10 | 1/4 | 3,152.73 | 1/4 | 3,450.40 |
| 1/2 | 280.16 | 1/2 | 634.83 | 1/2 | 987.89 | 1/2 | 1,344.60 | 1/2 | 1,705.75 | 1/2 | 2,069.39 | 1/2 | 2,433.03 | 1/2 | 2,796.67 | 1/2 | 3,160.31 | 1/2 | 3,454.48 |
| 3/4 | 287.73 | 3/4 | 642.20 | 3/4 | 995.22 | 3/4 | 1,352.02 | 3/4 | 1,713.32 | 3/4 | 2,076.97 | 3/4 | 2,440.61 | 3/4 | 2,804.25 | 3/4 | 3,167.89 | 3/4 | 3,458.55 |
| 11 | 295.31 | 11 | 649.57 | 11 | 1,002.56 | 11 | 1,359.43 | 11 | 1,720.90 | 11 | 2,084.55 | 11 | 2,448.18 | 11 | 2,811.82 | 11 | 3,175.46 | 11 | 3,462.63 |
| 1/4 | 302.86 | 1/4 | 656.94 | 1/4 | 1,009.90 | 1/4 | 1,366.85 | 1/4 | 1,728.48 | 1/4 | 2,092.12 | 1/4 | 2,455.76 | 1/4 | 2,819.40 | 1/4 | 3,183.05 | 1/4 | 3,466.70 |
| 1/2 | 310.42 | 1/2 | 664.31 | 1/2 | 1,017.24 | 1/2 | 1,374.26 | 1/2 | 1,736.05 | 1/2 | 2,099.70 | 1/2 | 2,463.34 | 1/2 | 2,826.97 | 1/2 | 3,190.64 | 1/2 | 3,470.78 |
| 3/4 | 317.98 | 3/4 | 671.68 | 3/4 | 1,024.58 | 3/4 | 1,381.68 | 3/4 | 1,743.63 | 3/4 | 2,107.27 | 3/4 | 2,470.91 | 3/4 | 2,834.55 | 3/4 | 3,198.23 | 3/4 | 3,474.85 |

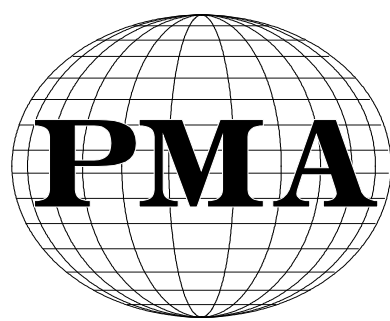
BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" RESTRICTED GAUGE STANDPIPE.
 GAUGE POINT: (2" STANDPIPE) LOCATED 12'-09" OFF CENTERLINE AND 51'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 27712"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

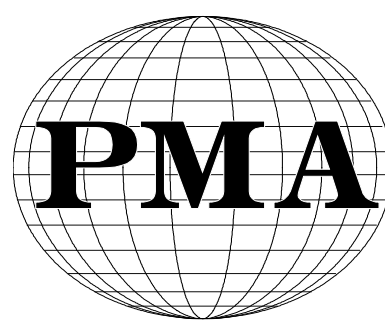
| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 3,478.93 | 0 | 3,673.13 | 0 | 3,856.87 | 0 | 4,025.90 | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 3,483.00 | 1/4 | 3,677.08 | 1/4 | 3,860.50 | 1/4 | 4,029.44 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,487.08 | 1/2 | 3,681.03 | 1/2 | 3,864.13 | 1/2 | 4,032.99 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,491.15 | 3/4 | 3,684.98 | 3/4 | 3,867.76 | 3/4 | 4,036.54 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 3,495.23 | 1 | 3,688.92 | 1 | 3,871.39 | 1 | 4,040.09 | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 3,499.30 | 1/4 | 3,692.85 | 1/4 | 3,874.99 | 1/4 | 4,043.93 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,503.38 | 1/2 | 3,696.78 | 1/2 | 3,878.60 | 1/2 | 4,047.77 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,507.45 | 3/4 | 3,700.71 | 3/4 | 3,882.21 | 3/4 | 4,051.61 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 3,511.53 | 2 | 3,704.64 | 2 | 3,885.82 | 2 | 4,055.45 | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 3,515.60 | 1/4 | 3,708.55 | 1/4 | 3,889.41 | 1/4 | 4,059.44 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,519.68 | 1/2 | 3,712.46 | 1/2 | 3,893.00 | 1/2 | 4,063.43 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,523.75 | 3/4 | 3,716.38 | 3/4 | 3,896.58 | 3/4 | 4,067.42 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 3,527.83 | 3 | 3,720.29 | 3 | 3,900.17 | 3 | 4,071.41 | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 3,531.90 | 1/4 | 3,724.18 | 1/4 | 3,903.74 | 1/4 | 4,075.33 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,535.98 | 1/2 | 3,728.07 | 1/2 | 3,907.31 | 1/2 | 4,079.24 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,540.05 | 3/4 | 3,731.97 | 3/4 | 3,910.88 | 3/4 | 4,083.15 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 3,544.13 | 4 | 3,735.86 | 4 | 3,914.45 | 4 | 4,087.06 | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 3,548.20 | 1/4 | 3,739.73 | 1/4 | 3,918.00 | 1/4 | 4,090.34 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,552.28 | 1/2 | 3,743.60 | 1/2 | 3,921.55 | 1/2 | 4,093.61 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,556.35 | 3/4 | 3,747.48 | 3/4 | 3,925.09 | 3/4 | 4,096.89 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 3,560.43 | 5 | 3,751.35 | 5 | 3,928.64 | 5 | 4,100.17 | 5 | | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 3,564.50 | 1/4 | 3,755.20 | 1/4 | 3,932.18 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,568.57 | 1/2 | 3,759.05 | 1/2 | 3,935.71 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,572.65 | 3/4 | 3,762.91 | 3/4 | 3,939.24 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 3,576.72 | 6 | 3,766.76 | 6 | 3,942.77 | 6 | | 6 | | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 3,580.79 | 1/4 | 3,770.59 | 1/4 | 3,946.29 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,584.85 | 1/2 | 3,774.43 | 1/2 | 3,949.80 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,588.92 | 3/4 | 3,778.26 | 3/4 | 3,953.31 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 3,592.98 | 7 | 3,782.09 | 7 | 3,956.83 | 7 | | 7 | | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 3,597.03 | 1/4 | 3,785.90 | 1/4 | 3,960.32 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,601.08 | 1/2 | 3,789.72 | 1/2 | 3,963.81 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,605.12 | 3/4 | 3,793.53 | 3/4 | 3,967.31 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 3,609.17 | 8 | 3,797.34 | 8 | 3,970.80 | 8 | | 8 | | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 3,613.20 | 1/4 | 3,801.14 | 1/4 | 3,974.27 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,617.23 | 1/2 | 3,804.93 | 1/2 | 3,977.75 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,621.25 | 3/4 | 3,808.72 | 3/4 | 3,981.22 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 3,625.28 | 9 | 3,812.51 | 9 | 3,984.69 | 9 | | 9 | | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 3,629.29 | 1/4 | 3,816.27 | 1/4 | 3,988.15 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,633.30 | 1/2 | 3,820.02 | 1/2 | 3,991.60 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,637.30 | 3/4 | 3,823.77 | 3/4 | 3,995.06 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 3,641.31 | 10 | 3,827.52 | 10 | 3,998.51 | 10 | | 10 | | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 3,645.30 | 1/4 | 3,831.21 | 1/4 | 4,001.94 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,649.29 | 1/2 | 3,834.90 | 1/2 | 4,005.38 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,653.28 | 3/4 | 3,838.59 | 3/4 | 4,008.81 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 3,657.26 | 11 | 3,842.28 | 11 | 4,012.24 | 11 | | 11 | | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 3,661.23 | 1/4 | 3,845.93 | 1/4 | 4,015.66 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,665.20 | 1/2 | 3,849.58 | 1/2 | 4,019.07 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,669.17 | 3/4 | 3,853.22 | 3/4 | 4,022.48 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/14/2003 CL - SW
VERIFIED: 01/10/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2024

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



BARGE "KIRBY 27712"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

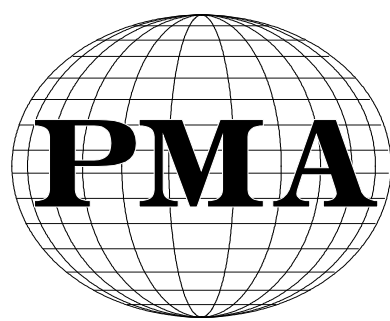
| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|-----|--------|-----|--------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| 0 | 47.22 | 0 | 326.22 | 0 | 683.30 | 0 | 1,046.93 | 0 | 1,408.22 | 0 | 1,771.71 | 0 | 2,136.17 | 0 | 2,500.63 | 0 | 2,865.08 | 0 | 3,229.53 |
| 1/4 | 48.19 | 1/4 | 333.78 | 1/4 | 690.89 | 1/4 | 1,054.49 | 1/4 | 1,415.65 | 1/4 | 1,779.30 | 1/4 | 2,143.76 | 1/4 | 2,508.22 | 1/4 | 2,872.67 | 1/4 | 3,237.13 |
| 1/2 | 49.15 | 1/2 | 341.34 | 1/2 | 698.48 | 1/2 | 1,062.05 | 1/2 | 1,423.08 | 1/2 | 1,786.90 | 1/2 | 2,151.36 | 1/2 | 2,515.81 | 1/2 | 2,880.27 | 1/2 | 3,244.72 |
| 3/4 | 50.12 | 3/4 | 348.91 | 3/4 | 706.08 | 3/4 | 1,069.62 | 3/4 | 1,430.51 | 3/4 | 1,794.49 | 3/4 | 2,158.95 | 3/4 | 2,523.40 | 3/4 | 2,887.86 | 3/4 | 3,252.31 |
| 1 | 51.08 | 1 | 356.47 | 1 | 713.67 | 1 | 1,077.18 | 1 | 1,437.94 | 1 | 1,802.08 | 1 | 2,166.54 | 1 | 2,531.00 | 1 | 2,895.45 | 1 | 3,259.91 |
| 1/4 | 52.90 | 1/4 | 364.04 | 1/4 | 721.26 | 1/4 | 1,084.75 | 1/4 | 1,445.45 | 1/4 | 1,809.68 | 1/4 | 2,174.13 | 1/4 | 2,538.59 | 1/4 | 2,903.04 | 1/4 | 3,267.50 |
| 1/2 | 54.72 | 1/2 | 371.61 | 1/2 | 728.86 | 1/2 | 1,092.32 | 1/2 | 1,452.97 | 1/2 | 1,817.27 | 1/2 | 2,181.73 | 1/2 | 2,546.18 | 1/2 | 2,910.64 | 1/2 | 3,275.09 |
| 3/4 | 56.53 | 3/4 | 379.19 | 3/4 | 736.45 | 3/4 | 1,099.88 | 3/4 | 1,460.48 | 3/4 | 1,824.86 | 3/4 | 2,189.32 | 3/4 | 2,553.77 | 3/4 | 2,918.23 | 3/4 | 3,282.68 |
| 2 | 58.35 | 2 | 386.76 | 2 | 744.04 | 2 | 1,107.45 | 2 | 1,467.99 | 2 | 1,832.45 | 2 | 2,196.91 | 2 | 2,561.37 | 2 | 2,925.82 | 2 | 3,290.28 |
| 1/4 | 61.44 | 1/4 | 394.12 | 1/4 | 751.64 | 1/4 | 1,115.03 | 1/4 | 1,475.58 | 1/4 | 1,840.05 | 1/4 | 2,204.51 | 1/4 | 2,568.96 | 1/4 | 2,933.41 | 1/4 | 3,297.87 |
| 1/2 | 64.53 | 1/2 | 401.48 | 1/2 | 759.23 | 1/2 | 1,122.61 | 1/2 | 1,483.18 | 1/2 | 1,847.64 | 1/2 | 2,212.10 | 1/2 | 2,576.55 | 1/2 | 2,941.01 | 1/2 | 3,305.46 |
| 3/4 | 67.63 | 3/4 | 408.84 | 3/4 | 766.82 | 3/4 | 1,130.19 | 3/4 | 1,490.77 | 3/4 | 1,855.23 | 3/4 | 2,219.69 | 3/4 | 2,584.15 | 3/4 | 2,948.60 | 3/4 | 3,313.05 |
| 3 | 70.72 | 3 | 416.20 | 3 | 774.42 | 3 | 1,137.77 | 3 | 1,498.36 | 3 | 1,862.83 | 3 | 2,227.28 | 3 | 2,591.74 | 3 | 2,956.19 | 3 | 3,320.65 |
| 1/4 | 75.53 | 1/4 | 423.13 | 1/4 | 782.01 | 1/4 | 1,145.37 | 1/4 | 1,505.96 | 1/4 | 1,870.42 | 1/4 | 2,234.88 | 1/4 | 2,599.33 | 1/4 | 2,963.79 | 1/4 | 3,328.24 |
| 1/2 | 80.33 | 1/2 | 430.05 | 1/2 | 789.60 | 1/2 | 1,152.96 | 1/2 | 1,513.55 | 1/2 | 1,878.01 | 1/2 | 2,242.47 | 1/2 | 2,606.92 | 1/2 | 2,971.38 | 1/2 | 3,335.83 |
| 3/4 | 85.14 | 3/4 | 436.97 | 3/4 | 797.20 | 3/4 | 1,160.55 | 3/4 | 1,521.14 | 3/4 | 1,885.61 | 3/4 | 2,250.06 | 3/4 | 2,614.52 | 3/4 | 2,978.97 | 3/4 | 3,343.43 |
| 4 | 89.94 | 4 | 443.89 | 4 | 804.79 | 4 | 1,168.15 | 4 | 1,528.73 | 4 | 1,893.20 | 4 | 2,257.66 | 4 | 2,622.11 | 4 | 2,986.56 | 4 | 3,351.02 |
| 1/4 | 96.24 | 1/4 | 450.81 | 1/4 | 812.37 | 1/4 | 1,175.74 | 1/4 | 1,536.33 | 1/4 | 1,900.79 | 1/4 | 2,265.25 | 1/4 | 2,629.70 | 1/4 | 2,994.16 | 1/4 | 3,358.61 |
| 1/2 | 102.53 | 1/2 | 457.73 | 1/2 | 819.95 | 1/2 | 1,183.33 | 1/2 | 1,543.92 | 1/2 | 1,908.38 | 1/2 | 2,272.84 | 1/2 | 2,637.30 | 1/2 | 3,001.75 | 1/2 | 3,366.20 |
| 3/4 | 108.83 | 3/4 | 464.65 | 3/4 | 827.53 | 3/4 | 1,190.93 | 3/4 | 1,551.51 | 3/4 | 1,915.98 | 3/4 | 2,280.43 | 3/4 | 2,644.89 | 3/4 | 3,009.34 | 3/4 | 3,373.80 |
| 5 | 115.12 | 5 | 471.57 | 5 | 835.11 | 5 | 1,198.52 | 5 | 1,559.11 | 5 | 1,923.57 | 5 | 2,288.03 | 5 | 2,652.48 | 5 | 3,016.94 | 5 | 3,381.39 |
| 1/4 | 122.38 | 1/4 | 478.94 | 1/4 | 842.68 | 1/4 | 1,206.12 | 1/4 | 1,566.70 | 1/4 | 1,931.16 | 1/4 | 2,295.62 | 1/4 | 2,660.07 | 1/4 | 3,024.53 | 1/4 | 3,387.22 |
| 1/2 | 129.63 | 1/2 | 486.31 | 1/2 | 850.25 | 1/2 | 1,213.71 | 1/2 | 1,574.29 | 1/2 | 1,938.76 | 1/2 | 2,303.21 | 1/2 | 2,667.67 | 1/2 | 3,032.12 | 1/2 | 3,393.06 |
| 3/4 | 136.89 | 3/4 | 493.68 | 3/4 | 857.81 | 3/4 | 1,221.30 | 3/4 | 1,581.89 | 3/4 | 1,946.35 | 3/4 | 2,310.81 | 3/4 | 2,675.26 | 3/4 | 3,039.71 | 3/4 | 3,398.89 |
| 6 | 144.14 | 6 | 501.05 | 6 | 865.38 | 6 | 1,228.90 | 6 | 1,589.48 | 6 | 1,953.94 | 6 | 2,318.40 | 6 | 2,682.85 | 6 | 3,047.31 | 6 | 3,404.72 |
| 1/4 | 151.73 | 1/4 | 508.65 | 1/4 | 872.94 | 1/4 | 1,236.49 | 1/4 | 1,597.07 | 1/4 | 1,961.54 | 1/4 | 2,325.99 | 1/4 | 2,690.45 | 1/4 | 3,054.90 | 1/4 | 3,408.79 |
| 1/2 | 159.31 | 1/2 | 516.24 | 1/2 | 880.51 | 1/2 | 1,244.08 | 1/2 | 1,604.66 | 1/2 | 1,969.13 | 1/2 | 2,333.58 | 1/2 | 2,698.04 | 1/2 | 3,062.49 | 1/2 | 3,412.86 |
| 3/4 | 166.90 | 3/4 | 523.83 | 3/4 | 888.07 | 3/4 | 1,251.68 | 3/4 | 1,612.26 | 3/4 | 1,976.72 | 3/4 | 2,341.18 | 3/4 | 2,705.63 | 3/4 | 3,070.09 | 3/4 | 3,416.94 |
| 7 | 174.48 | 7 | 531.43 | 7 | 895.64 | 7 | 1,259.27 | 7 | 1,619.85 | 7 | 1,984.31 | 7 | 2,348.77 | 7 | 2,713.22 | 7 | 3,077.68 | 7 | 3,421.01 |
| 1/4 | 182.07 | 1/4 | 539.02 | 1/4 | 903.20 | 1/4 | 1,266.78 | 1/4 | 1,627.44 | 1/4 | 1,991.91 | 1/4 | 2,356.36 | 1/4 | 2,720.82 | 1/4 | 3,085.27 | 1/4 | 3,425.08 |
| 1/2 | 189.67 | 1/2 | 546.61 | 1/2 | 910.77 | 1/2 | 1,274.30 | 1/2 | 1,635.04 | 1/2 | 1,999.50 | 1/2 | 2,363.95 | 1/2 | 2,728.41 | 1/2 | 3,092.86 | 1/2 | 3,429.15 |
| 3/4 | 197.26 | 3/4 | 554.21 | 3/4 | 918.33 | 3/4 | 1,281.81 | 3/4 | 1,642.63 | 3/4 | 2,007.09 | 3/4 | 2,371.55 | 3/4 | 2,736.00 | 3/4 | 3,100.46 | 3/4 | 3,433.23 |
| 8 | 204.85 | 8 | 561.80 | 8 | 925.89 | 8 | 1,289.32 | 8 | 1,650.22 | 8 | 2,014.69 | 8 | 2,379.14 | 8 | 2,743.59 | 8 | 3,108.05 | 8 | 3,437.30 |
| 1/4 | 212.44 | 1/4 | 569.40 | 1/4 | 933.46 | 1/4 | 1,296.75 | 1/4 | 1,657.82 | 1/4 | 2,022.28 | 1/4 | 2,386.73 | 1/4 | 2,751.19 | 1/4 | 3,115.64 | 1/4 | 3,441.37 |
| 1/2 | 220.04 | 1/2 | 576.99 | 1/2 | 941.02 | 1/2 | 1,304.18 | 1/2 | 1,665.41 | 1/2 | 2,029.87 | 1/2 | 2,394.33 | 1/2 | 2,758.78 | 1/2 | 3,123.23 | 1/2 | 3,445.44 |
| 3/4 | 227.63 | 3/4 | 584.58 | 3/4 | 948.59 | 3/4 | 1,311.62 | 3/4 | 1,673.00 | 3/4 | 2,037.46 | 3/4 | 2,401.92 | 3/4 | 2,766.37 | 3/4 | 3,130.83 | 3/4 | 3,449.51 |
| 9 | 235.22 | 9 | 592.18 | 9 | 956.15 | 9 | 1,319.05 | 9 | 1,680.59 | 9 | 2,045.06 | 9 | 2,409.51 | 9 | 2,773.97 | 9 | 3,138.42 | 9 | 3,453.59 |
| 1/4 | 242.81 | 1/4 | 599.77 | 1/4 | 963.72 | 1/4 | 1,326.48 | 1/4 | 1,688.19 | 1/4 | 2,052.65 | 1/4 | 2,417.10 | 1/4 | 2,781.56 | 1/4 | 3,146.01 | 1/4 | 3,457.66 |
| 1/2 | 250.41 | 1/2 | 607.36 | 1/2 | 971.28 | 1/2 | 1,333.91 | 1/2 | 1,695.78 | 1/2 | 2,060.24 | 1/2 | 2,424.70 | 1/2 | 2,789.15 | 1/2 | 3,153.61 | 1/2 | 3,461.73 |
| 3/4 | 258.00 | 3/4 | 614.96 | 3/4 | 978.85 | 3/4 | 1,341.34 | 3/4 | 1,703.37 | 3/4 | 2,067.84 | 3/4 | 2,432.29 | 3/4 | 2,796.74 | 3/4 | 3,161.20 | 3/4 | 3,465.80 |
| 10 | 265.59 | 10 | 622.55 | 10 | 986.41 | 10 | 1,348.77 | 10 | 1,710.97 | 10 | 2,075.43 | 10 | 2,439.88 | 10 | 2,804.34 | 10 | 3,168.79 | 10 | 3,469.88 |
| 1/4 | 273.18 | 1/4 | 630.14 | 1/4 | 993.97 | 1/4 | 1,356.20 | 1/4 | 1,718.56 | 1/4 | 2,083.02 | 1/4 | 2,447.48 | 1/4 | 2,811.93 | 1/4 | 3,176.38 | 1/4 | 3,473.95 |
| 1/2 | 280.76 | 1/2 | 637.74 | 1/2 | 1,001.54 | 1/2 | 1,363.63 | 1/2 | 1,726.15 | 1/2 | 2,090.61 | 1/2 | 2,455.07 | 1/2 | 2,819.52 | 1/2 | 3,183.98 | 1/2 | 3,478.02 |
| 3/4 | 288.35 | 3/4 | 645.33 | 3/4 | 1,009.10 | 3/4 | 1,371.06 | 3/4 | 1,733.75 | 3/4 | 2,098.21 | 3/4 | 2,462.66 | 3/4 | 2,827.12 | 3/4 | 3,191.57 | 3/4 | 3,482.09 |
| 11 | 295.93 | 11 | 652.92 | 11 | 1,016.67 | 11 | 1,378.50 | 11 | 1,741.34 | 11 | 2,105.80 | 11 | 2,470.25 | 11 | 2,834.71 | 11 | 3,199.16 | 11 | 3,486.16 |
| 1/4 | 303.50 | 1/4 | 660.52 | 1/4 | 1,024.23 | 1/4 | 1,385.93 | 1/4 | 1,748.93 | 1/4 | 2,113.39 | 1/4 | 2,477.85 | 1/4 | 2,842.30 | 1/4 | 3,206.76 | 1/4 | 3,490.24 |
| 1/2 | 311.08 | 1/2 | 668.11 | 1/2 | 1,031.80 | 1/2 | 1,393.36 | 1/2 | 1,756.52 | 1/2 | 2,120.99 | 1/2 | 2,485.44 | 1/2 | 2,849.89 | 1/2 | 3,214.35 | 1/2 | 3,494.31 |
| 3/4 | 318.65 | 3/4 | 675.70 | 3/4 | 1,039.36 | 3/4 | 1,400.79 | 3/4 | 1,764.12 | 3/4 | 2,128.58 | 3/4 | 2,493.03 | 3/4 | 2,857.49 | 3/4 | 3,221.94 | 3/4 | 3,498.38 |

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 AT 2" RESTRICTED GAUGE STANDPIPE.
 GAUGE POINT: (2" STANDPIPE) LOCATED 12'-09" OFF CENTERLINE AND 51'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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





BARGE "KIRBY 27712"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 3,502.45 | 0 | 3,696.52 | 0 | 3,880.13 | 0 | 4,049.03 | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 3,506.53 | 1/4 | 3,700.46 | 1/4 | 3,883.75 | 1/4 | 4,052.58 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,510.60 | 1/2 | 3,704.41 | 1/2 | 3,887.38 | 1/2 | 4,056.12 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,514.67 | 3/4 | 3,708.35 | 3/4 | 3,891.00 | 3/4 | 4,059.67 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 3,518.74 | 1 | 3,712.30 | 1 | 3,894.63 | 1 | 4,063.21 | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 3,522.81 | 1/4 | 3,716.23 | 1/4 | 3,898.23 | 1/4 | 4,067.05 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,526.89 | 1/2 | 3,720.15 | 1/2 | 3,901.84 | 1/2 | 4,070.89 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,530.96 | 3/4 | 3,724.08 | 3/4 | 3,905.45 | 3/4 | 4,074.73 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 3,535.03 | 2 | 3,728.00 | 2 | 3,909.05 | 2 | 4,078.56 | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 3,539.10 | 1/4 | 3,731.91 | 1/4 | 3,912.64 | 1/4 | 4,082.55 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,543.18 | 1/2 | 3,735.82 | 1/2 | 3,916.22 | 1/2 | 4,086.54 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,547.25 | 3/4 | 3,739.73 | 3/4 | 3,919.81 | 3/4 | 4,090.53 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 3,551.32 | 3 | 3,743.64 | 3 | 3,923.40 | 3 | 4,094.52 | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 3,555.39 | 1/4 | 3,747.53 | 1/4 | 3,926.96 | 1/4 | 4,098.42 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,559.46 | 1/2 | 3,751.42 | 1/2 | 3,930.53 | 1/2 | 4,102.33 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,563.54 | 3/4 | 3,755.31 | 3/4 | 3,934.09 | 3/4 | 4,106.24 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 3,567.61 | 4 | 3,759.20 | 4 | 3,937.66 | 4 | 4,110.15 | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 3,571.68 | 1/4 | 3,763.07 | 1/4 | 3,941.21 | 1/4 | 4,113.42 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,575.75 | 1/2 | 3,766.94 | 1/2 | 3,944.75 | 1/2 | 4,116.70 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,579.83 | 3/4 | 3,770.81 | 3/4 | 3,948.30 | 3/4 | 4,119.97 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 3,583.90 | 5 | 3,774.68 | 5 | 3,951.85 | 5 | 4,123.25 | 5 | | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 3,587.97 | 1/4 | 3,778.53 | 1/4 | 3,955.38 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,592.04 | 1/2 | 3,782.38 | 1/2 | 3,958.91 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,596.11 | 3/4 | 3,786.23 | 3/4 | 3,962.44 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 3,600.18 | 6 | 3,790.08 | 6 | 3,965.97 | 6 | | 6 | | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 3,604.24 | 1/4 | 3,793.91 | 1/4 | 3,969.48 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,608.30 | 1/2 | 3,797.74 | 1/2 | 3,972.99 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,612.36 | 3/4 | 3,801.57 | 3/4 | 3,976.50 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 3,616.42 | 7 | 3,805.40 | 7 | 3,980.01 | 7 | | 7 | | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 3,620.47 | 1/4 | 3,809.21 | 1/4 | 3,983.50 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,624.51 | 1/2 | 3,813.02 | 1/2 | 3,986.99 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,628.56 | 3/4 | 3,816.83 | 3/4 | 3,990.48 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 3,632.60 | 8 | 3,820.64 | 8 | 3,993.97 | 8 | | 8 | | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 3,636.63 | 1/4 | 3,824.43 | 1/4 | 3,997.44 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,640.65 | 1/2 | 3,828.22 | 1/2 | 4,000.92 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,644.68 | 3/4 | 3,832.01 | 3/4 | 4,004.39 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 3,648.70 | 9 | 3,835.80 | 9 | 4,007.86 | 9 | | 9 | | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 3,652.71 | 1/4 | 3,839.55 | 1/4 | 4,011.31 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,656.71 | 1/2 | 3,843.30 | 1/2 | 4,014.76 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,660.72 | 3/4 | 3,847.05 | 3/4 | 4,018.21 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 3,664.72 | 10 | 3,850.80 | 10 | 4,021.66 | 10 | | 10 | | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 3,668.71 | 1/4 | 3,854.48 | 1/4 | 4,025.09 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,672.69 | 1/2 | 3,858.17 | 1/2 | 4,028.52 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,676.68 | 3/4 | 3,861.86 | 3/4 | 4,031.95 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 3,680.66 | 11 | 3,865.54 | 11 | 4,035.39 | 11 | | 11 | | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 3,684.62 | 1/4 | 3,869.19 | 1/4 | 4,038.80 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,688.59 | 1/2 | 3,872.83 | 1/2 | 4,042.21 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,692.55 | 3/4 | 3,876.48 | 3/4 | 4,045.62 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/14/2003 CL - SW
VERIFIED: 01/10/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2024

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



BARGE "KIRBY 27712"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|-----|-------|-----|-------|-----|-------|-----|-------|-----|--------|-----|--------|-----|-------|-----|-------|-----|-------|-----|-------|
| 0 | 0 | 0 | 2,407 | 0 | 4,814 | 0 | 7,220 | 0 | 9,627 | 0 | 12,034 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 50 | 1/4 | 2,457 | 1/4 | 4,864 | 1/4 | 7,271 | 1/4 | 9,677 | 1/4 | 12,084 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 100 | 1/2 | 2,507 | 1/2 | 4,914 | 1/2 | 7,321 | 1/2 | 9,727 | 1/2 | 12,134 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 150 | 3/4 | 2,557 | 3/4 | 4,964 | 3/4 | 7,371 | 3/4 | 9,778 | 3/4 | 12,184 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 201 | 1 | 2,607 | 1 | 5,014 | 1 | 7,421 | 1 | 9,828 | 1 | 12,234 | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 251 | 1/4 | 2,658 | 1/4 | 5,064 | 1/4 | 7,471 | 1/4 | 9,878 | 1/4 | 12,285 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 301 | 1/2 | 2,708 | 1/2 | 5,114 | 1/2 | 7,521 | 1/2 | 9,928 | 1/2 | 12,335 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 351 | 3/4 | 2,758 | 3/4 | 5,165 | 3/4 | 7,571 | 3/4 | 9,978 | 3/4 | 12,385 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 401 | 2 | 2,808 | 2 | 5,215 | 2 | 7,622 | 2 | 10,028 | 2 | 12,435 | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 451 | 1/4 | 2,858 | 1/4 | 5,265 | 1/4 | 7,672 | 1/4 | 10,078 | 1/4 | 12,485 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 501 | 1/2 | 2,908 | 1/2 | 5,315 | 1/2 | 7,722 | 1/2 | 10,129 | 1/2 | 12,535 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 552 | 3/4 | 2,958 | 3/4 | 5,365 | 3/4 | 7,772 | 3/4 | 10,179 | 3/4 | 12,585 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 602 | 3 | 3,009 | 3 | 5,415 | 3 | 7,822 | 3 | 10,229 | 3 | 12,636 | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 652 | 1/4 | 3,059 | 1/4 | 5,465 | 1/4 | 7,872 | 1/4 | 10,279 | 1/4 | 12,686 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 702 | 1/2 | 3,109 | 1/2 | 5,516 | 1/2 | 7,922 | 1/2 | 10,329 | 1/2 | 12,736 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 752 | 3/4 | 3,159 | 3/4 | 5,566 | 3/4 | 7,972 | 3/4 | 10,379 | 3/4 | 12,786 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 802 | 4 | 3,209 | 4 | 5,616 | 4 | 8,023 | 4 | 10,429 | 4 | 12,836 | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 852 | 1/4 | 3,259 | 1/4 | 5,666 | 1/4 | 8,073 | 1/4 | 10,479 | 1/4 | 12,886 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 903 | 1/2 | 3,309 | 1/2 | 5,716 | 1/2 | 8,123 | 1/2 | 10,530 | 1/2 | 12,936 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 953 | 3/4 | 3,360 | 3/4 | 5,766 | 3/4 | 8,173 | 3/4 | 10,580 | 3/4 | 12,986 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 1,003 | 5 | 3,410 | 5 | 5,816 | 5 | 8,223 | 5 | 10,630 | 5 | 13,037 | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 1,053 | 1/4 | 3,460 | 1/4 | 5,867 | 1/4 | 8,273 | 1/4 | 10,680 | 1/4 | 13,087 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,103 | 1/2 | 3,510 | 1/2 | 5,917 | 1/2 | 8,323 | 1/2 | 10,730 | 1/2 | 13,137 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,153 | 3/4 | 3,560 | 3/4 | 5,967 | 3/4 | 8,374 | 3/4 | 10,780 | 3/4 | 13,187 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 1,203 | 6 | 3,610 | 6 | 6,017 | 6 | 8,424 | 6 | 10,830 | 6 | 13,237 | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 1,254 | 1/4 | 3,660 | 1/4 | 6,067 | 1/4 | 8,474 | 1/4 | 10,881 | 1/4 | 13,287 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,304 | 1/2 | 3,711 | 1/2 | 6,117 | 1/2 | 8,524 | 1/2 | 10,931 | 1/2 | 13,337 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,354 | 3/4 | 3,761 | 3/4 | 6,167 | 3/4 | 8,574 | 3/4 | 10,981 | 3/4 | 13,388 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 1,404 | 7 | 3,811 | 7 | 6,218 | 7 | 8,624 | 7 | 11,031 | 7 | 13,438 | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 1,454 | 1/4 | 3,861 | 1/4 | 6,268 | 1/4 | 8,674 | 1/4 | 11,081 | 1/4 | 13,488 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,504 | 1/2 | 3,911 | 1/2 | 6,318 | 1/2 | 8,725 | 1/2 | 11,131 | 1/2 | 13,538 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,555 | 3/4 | 3,961 | 3/4 | 6,368 | 3/4 | 8,775 | 3/4 | 11,181 | 3/4 | 13,588 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 1,605 | 8 | 4,011 | 8 | 6,418 | 8 | 8,825 | 8 | 11,232 | 8 | 13,638 | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 1,655 | 1/4 | 4,062 | 1/4 | 6,468 | 1/4 | 8,875 | 1/4 | 11,282 | 1/4 | 13,688 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,705 | 1/2 | 4,112 | 1/2 | 6,518 | 1/2 | 8,925 | 1/2 | 11,332 | 1/2 | 13,739 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,755 | 3/4 | 4,162 | 3/4 | 6,569 | 3/4 | 8,975 | 3/4 | 11,382 | 3/4 | 13,789 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 1,805 | 9 | 4,212 | 9 | 6,619 | 9 | 9,025 | 9 | 11,432 | 9 | 13,839 | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 1,855 | 1/4 | 4,262 | 1/4 | 6,669 | 1/4 | 9,076 | 1/4 | 11,482 | 1/4 | 13,889 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,906 | 1/2 | 4,312 | 1/2 | 6,719 | 1/2 | 9,126 | 1/2 | 11,532 | 1/2 | 13,939 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,956 | 3/4 | 4,362 | 3/4 | 6,769 | 3/4 | 9,176 | 3/4 | 11,583 | 3/4 | 13,989 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 2,006 | 10 | 4,413 | 10 | 6,819 | 10 | 9,226 | 10 | 11,633 | 10 | 14,039 | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 2,056 | 1/4 | 4,463 | 1/4 | 6,869 | 1/4 | 9,276 | 1/4 | 11,683 | 1/4 | 14,090 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,106 | 1/2 | 4,513 | 1/2 | 6,920 | 1/2 | 9,326 | 1/2 | 11,733 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,156 | 3/4 | 4,563 | 3/4 | 6,970 | 3/4 | 9,376 | 3/4 | 11,783 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 2,206 | 11 | 4,613 | 11 | 7,020 | 11 | 9,427 | 11 | 11,833 | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 2,257 | 1/4 | 4,663 | 1/4 | 7,070 | 1/4 | 9,477 | 1/4 | 11,883 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,307 | 1/2 | 4,713 | 1/2 | 7,120 | 1/2 | 9,527 | 1/2 | 11,934 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,357 | 3/4 | 4,764 | 3/4 | 7,170 | 3/4 | 9,577 | 3/4 | 11,984 | 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: 09/28/2018 SW
CALCULATED: 09/28/2018 CL
VERIFIED: 01/10/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2024

PRECISION MEASUREMENT
& ANALYSIS, INC.

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