



BARGE "KIRBY 27783"

ULLAGE TRIM TABLE HERMETIC

| | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | |
|--------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|
| | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> |
| 1 PORT | 00-1/4 | - 00-1/4 | 00-3/8 | - 00-3/8 | 00-5/8 | - 00-5/8 | 00-3/4 | - 00-3/4 | 01-0/8 | - 01-0/8 | 01-1/8 | - 01-1/8 |
| 1 STBD | 00-1/4 | - 00-1/4 | 00-3/8 | - 00-3/8 | 00-5/8 | - 00-5/8 | 00-3/4 | - 00-3/4 | 01-0/8 | - 01-0/8 | 01-1/8 | - 01-1/8 |
| 2 PORT | 00-1/4 | - 00-1/4 | 00-5/8 | - 00-5/8 | 00-7/8 | - 00-7/8 | 01-1/4 | - 01-1/4 | 01-1/2 | - 01-1/2 | 01-3/4 | - 01-3/4 |
| 2 STBD | 00-1/4 | - 00-1/4 | 00-5/8 | - 00-5/8 | 00-7/8 | - 00-7/8 | 01-1/4 | - 01-1/4 | 01-1/2 | - 01-1/2 | 01-3/4 | - 01-3/4 |
| 3 PORT | 00-5/8 | - 00-5/8 | 01-1/4 | - 01-1/4 | 01-7/8 | - 01-7/8 | 02-3/8 | - 02-3/8 | 03-0/8 | - 03-0/8 | 03-5/8 | - 03-5/8 |
| 3 STBD | 00-5/8 | - 00-5/8 | 01-1/4 | - 01-1/4 | 01-7/8 | - 01-7/8 | 02-3/8 | - 02-3/8 | 03-0/8 | - 03-0/8 | 03-5/8 | - 03-5/8 |

(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 2 PORT IS - 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 261'-00"

February 17, 2018

PRECISION MEASUREMENT
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BARGE "KIRBY 27783"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03"

| 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 | 4,843.25 | 0 | 4,512.87 | 0 | 4,160.76 | 0 | 3,787.17 | 0 | 3,409.27 | 0 | 3,031.37 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,835.75 | 1/4 | 4,505.82 | 1/4 | 4,153.17 | 1/4 | 3,779.29 | 1/4 | 3,401.39 | 1/4 | 3,023.49 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,828.26 | 1/2 | 4,498.78 | 1/2 | 4,145.58 | 1/2 | 3,771.42 | 1/2 | 3,393.52 | 1/2 | 3,015.62 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,821.33 | 3/4 | 4,491.69 | 3/4 | 4,137.95 | 3/4 | 3,763.55 | 3/4 | 3,385.65 | 3/4 | 3,007.75 |
| 1 | | 1 | | 1 | | 1 | | 1 | 4,814.40 | 1 | 4,484.60 | 1 | 4,130.33 | 1 | 3,755.67 | 1 | 3,377.77 | 1 | 2,999.88 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,807.47 | 1/4 | 4,477.52 | 1/4 | 4,122.70 | 1/4 | 3,747.80 | 1/4 | 3,369.90 | 1/4 | 2,992.00 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,800.54 | 1/2 | 4,470.43 | 1/2 | 4,115.07 | 1/2 | 3,739.93 | 1/2 | 3,362.03 | 1/2 | 2,984.13 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,793.87 | 3/4 | 4,463.31 | 3/4 | 4,107.41 | 3/4 | 3,732.05 | 3/4 | 3,354.16 | 3/4 | 2,976.26 |
| 2 | | 2 | | 2 | | 2 | | 2 | 4,787.20 | 2 | 4,456.18 | 2 | 4,099.75 | 2 | 3,724.18 | 2 | 3,346.28 | 2 | 2,968.38 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,780.53 | 1/4 | 4,449.06 | 1/4 | 4,092.08 | 1/4 | 3,716.31 | 1/4 | 3,338.41 | 1/4 | 2,960.51 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,773.86 | 1/2 | 4,441.94 | 1/2 | 4,084.42 | 1/2 | 3,708.44 | 1/2 | 3,330.54 | 1/2 | 2,952.64 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,767.16 | 3/4 | 4,434.75 | 3/4 | 4,076.72 | 3/4 | 3,700.56 | 3/4 | 3,322.66 | 3/4 | 2,944.76 |
| 3 | | 3 | | 3 | | 3 | | 3 | 4,760.45 | 3 | 4,427.57 | 3 | 4,069.01 | 3 | 3,692.69 | 3 | 3,314.79 | 3 | 2,936.89 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,753.75 | 1/4 | 4,420.39 | 1/4 | 4,061.31 | 1/4 | 3,684.82 | 1/4 | 3,306.92 | 1/4 | 2,929.02 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,747.04 | 1/2 | 4,413.20 | 1/2 | 4,053.61 | 1/2 | 3,676.94 | 1/2 | 3,299.05 | 1/2 | 2,921.15 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,740.29 | 3/4 | 4,405.94 | 3/4 | 4,045.87 | 3/4 | 3,669.07 | 3/4 | 3,291.17 | 3/4 | 2,913.27 |
| 4 | | 4 | | 4 | | 4 | | 4 | 4,733.55 | 4 | 4,398.68 | 4 | 4,038.13 | 4 | 3,661.20 | 4 | 3,283.30 | 4 | 2,905.40 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,726.81 | 1/4 | 4,391.41 | 1/4 | 4,030.39 | 1/4 | 3,653.33 | 1/4 | 3,275.43 | 1/4 | 2,897.53 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,720.06 | 1/2 | 4,384.15 | 1/2 | 4,022.65 | 1/2 | 3,645.45 | 1/2 | 3,267.55 | 1/2 | 2,889.65 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,713.28 | 3/4 | 4,376.83 | 3/4 | 4,014.87 | 3/4 | 3,637.58 | 3/4 | 3,259.68 | 3/4 | 2,881.78 |
| 5 | | 5 | | 5 | | 5 | | 5 | 4,706.50 | 5 | 4,369.51 | 5 | 4,007.09 | 5 | 3,629.71 | 5 | 3,251.81 | 5 | 2,873.91 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,699.72 | 1/4 | 4,362.18 | 1/4 | 3,999.32 | 1/4 | 3,621.83 | 1/4 | 3,243.93 | 1/4 | 2,866.04 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,692.93 | 1/2 | 4,354.86 | 1/2 | 3,991.54 | 1/2 | 3,613.96 | 1/2 | 3,236.06 | 1/2 | 2,858.16 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,686.11 | 3/4 | 4,347.50 | 3/4 | 3,983.72 | 3/4 | 3,606.09 | 3/4 | 3,228.19 | 3/4 | 2,850.29 |
| 6 | | 6 | | 6 | | 6 | | 6 | 4,679.29 | 6 | 4,340.14 | 6 | 3,975.91 | 6 | 3,598.22 | 6 | 3,220.32 | 6 | 2,842.42 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,672.47 | 1/4 | 4,332.78 | 1/4 | 3,968.09 | 1/4 | 3,590.34 | 1/4 | 3,212.44 | 1/4 | 2,834.54 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,665.65 | 1/2 | 4,325.42 | 1/2 | 3,960.27 | 1/2 | 3,582.47 | 1/2 | 3,204.57 | 1/2 | 2,826.67 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,658.79 | 3/4 | 4,318.02 | 3/4 | 3,952.42 | 3/4 | 3,574.60 | 3/4 | 3,196.70 | 3/4 | 2,818.80 |
| 7 | | 7 | | 7 | | 7 | | 7 | 4,651.94 | 7 | 4,310.62 | 7 | 3,944.57 | 7 | 3,566.72 | 7 | 3,188.82 | 7 | 2,810.93 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,645.08 | 1/4 | 4,303.22 | 1/4 | 3,936.73 | 1/4 | 3,558.85 | 1/4 | 3,180.95 | 1/4 | 2,803.05 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,968.92 | 1/2 | 4,638.22 | 1/2 | 4,295.83 | 1/2 | 3,928.88 | 1/2 | 3,550.98 | 1/2 | 3,173.08 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,963.43 | 3/4 | 4,631.32 | 3/4 | 4,288.39 | 3/4 | 3,921.00 | 3/4 | 3,543.11 | 3/4 | 3,165.21 |
| 8 | | 8 | | 8 | | 8 | | 8 | 4,957.94 | 8 | 4,624.43 | 8 | 4,280.95 | 8 | 3,913.13 | 8 | 3,535.23 | 8 | 3,157.33 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,952.44 | 1/4 | 4,617.53 | 1/4 | 4,273.52 | 1/4 | 3,905.26 | 1/4 | 3,527.36 | 1/4 | 3,149.46 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,946.95 | 1/2 | 4,610.63 | 1/2 | 4,266.08 | 1/2 | 3,897.39 | 1/2 | 3,519.49 | 1/2 | 3,141.59 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,940.17 | 3/4 | 4,603.70 | 3/4 | 4,258.61 | 3/4 | 3,889.51 | 3/4 | 3,511.61 | 3/4 | 3,133.71 |
| 9 | | 9 | | 9 | | 9 | | 9 | 4,933.39 | 9 | 4,596.77 | 9 | 4,251.13 | 9 | 3,881.64 | 9 | 3,503.74 | 9 | 3,125.84 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,926.60 | 1/4 | 4,589.83 | 1/4 | 4,243.66 | 1/4 | 3,873.77 | 1/4 | 3,495.87 | 1/4 | 3,117.97 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,919.82 | 1/2 | 4,582.90 | 1/2 | 4,236.18 | 1/2 | 3,865.89 | 1/2 | 3,487.99 | 1/2 | 3,110.10 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,912.22 | 3/4 | 4,575.93 | 3/4 | 4,228.67 | 3/4 | 3,858.02 | 3/4 | 3,480.12 | 3/4 | 3,102.22 |
| 10 | | 10 | | 10 | | 10 | | 10 | 4,904.61 | 10 | 4,568.95 | 10 | 4,221.16 | 10 | 3,850.15 | 10 | 3,472.25 | 10 | 3,094.35 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,897.01 | 1/4 | 4,561.98 | 1/4 | 4,213.65 | 1/4 | 3,842.28 | 1/4 | 3,464.38 | 1/4 | 3,086.48 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,889.40 | 1/2 | 4,555.01 | 1/2 | 4,206.13 | 1/2 | 3,834.40 | 1/2 | 3,456.50 | 1/2 | 3,078.60 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,881.62 | 3/4 | 4,548.00 | 3/4 | 4,198.58 | 3/4 | 3,826.53 | 3/4 | 3,448.63 | 3/4 | 3,070.73 |
| 11 | | 11 | | 11 | | 11 | | 11 | 4,873.83 | 11 | 4,540.99 | 11 | 4,191.03 | 11 | 3,818.66 | 11 | 3,440.76 | 11 | 3,062.86 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,866.04 | 1/4 | 4,533.98 | 1/4 | 4,183.48 | 1/4 | 3,810.78 | 1/4 | 3,432.88 | 1/4 | 3,054.99 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,858.25 | 1/2 | 4,526.97 | 1/2 | 4,175.93 | 1/2 | 3,802.91 | 1/2 | 3,425.01 | 1/2 | 3,047.11 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,850.75 | 3/4 | 4,519.92 | 3/4 | 4,168.34 | 3/4 | 3,795.04 | 3/4 | 3,417.14 | 3/4 | 3,039.24 |

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 WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 49'-06" FORWARD OF AFT BULKHEAD.

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BARGE "KIRBY 27783"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03"

| 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 | 2,653.47 | 0 | 2,275.57 | 0 | 1,897.66 | 0 | 1,519.75 | 0 | 1,142.82 | 0 | 767.07 | 0 | 398.63 | 0 | 71.62 | 0 | | 0 | |
| 1/4 | 2,645.59 | 1/4 | 2,267.70 | 1/4 | 1,889.79 | 1/4 | 1,511.88 | 1/4 | 1,135.00 | 1/4 | 759.20 | 1/4 | 391.09 | 1/4 | 66.04 | 1/4 | | 1/4 | |
| 1/2 | 2,637.72 | 1/2 | 2,259.82 | 1/2 | 1,881.92 | 1/2 | 1,504.00 | 1/2 | 1,127.18 | 1/2 | 751.32 | 1/2 | 383.55 | 1/2 | 60.47 | 1/2 | | 1/2 | |
| 3/4 | 2,629.85 | 3/4 | 2,251.95 | 3/4 | 1,874.04 | 3/4 | 1,496.14 | 3/4 | 1,119.37 | 3/4 | 743.45 | 3/4 | 376.12 | 3/4 | 54.57 | 3/4 | | 3/4 | |
| 1 | 2,621.98 | 1 | 2,244.08 | 1 | 1,866.17 | 1 | 1,488.29 | 1 | 1,111.55 | 1 | 735.58 | 1 | 368.69 | 1 | 48.67 | 1 | | 1 | |
| 1/4 | 2,614.10 | 1/4 | 2,236.20 | 1/4 | 1,858.30 | 1/4 | 1,480.43 | 1/4 | 1,103.74 | 1/4 | 727.70 | 1/4 | 361.26 | 1/4 | 42.78 | 1/4 | | 1/4 | |
| 1/2 | 2,606.23 | 1/2 | 2,228.33 | 1/2 | 1,850.42 | 1/2 | 1,472.57 | 1/2 | 1,095.92 | 1/2 | 719.83 | 1/2 | 353.84 | 1/2 | 36.88 | 1/2 | | 1/2 | |
| 3/4 | 2,598.36 | 3/4 | 2,220.46 | 3/4 | 1,842.55 | 3/4 | 1,464.72 | 3/4 | 1,088.10 | 3/4 | 711.96 | 3/4 | 346.51 | 3/4 | 31.48 | 3/4 | | 3/4 | |
| 2 | 2,590.48 | 2 | 2,212.59 | 2 | 1,834.68 | 2 | 1,456.88 | 2 | 1,080.29 | 2 | 704.08 | 2 | 339.17 | 2 | 26.08 | 2 | | 2 | |
| 1/4 | 2,582.61 | 1/4 | 2,204.71 | 1/4 | 1,826.81 | 1/4 | 1,449.03 | 1/4 | 1,072.47 | 1/4 | 696.21 | 1/4 | 331.84 | 1/4 | 20.69 | 1/4 | | 1/4 | |
| 1/2 | 2,574.74 | 1/2 | 2,196.84 | 1/2 | 1,818.93 | 1/2 | 1,441.18 | 1/2 | 1,064.66 | 1/2 | 688.34 | 1/2 | 324.51 | 1/2 | 15.29 | 1/2 | | 1/2 | |
| 3/4 | 2,566.87 | 3/4 | 2,188.97 | 3/4 | 1,811.06 | 3/4 | 1,433.34 | 3/4 | 1,056.84 | 3/4 | 680.46 | 3/4 | 317.27 | 3/4 | 11.91 | 3/4 | | 3/4 | |
| 3 | 2,558.99 | 3 | 2,181.09 | 3 | 1,803.19 | 3 | 1,425.49 | 3 | 1,049.03 | 3 | 672.59 | 3 | 310.03 | 3 | 8.53 | 3 | | 3 | |
| 1/4 | 2,551.12 | 1/4 | 2,173.22 | 1/4 | 1,795.31 | 1/4 | 1,417.65 | 1/4 | 1,041.21 | 1/4 | 664.71 | 1/4 | 302.79 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,543.25 | 1/2 | 2,165.35 | 1/2 | 1,787.44 | 1/2 | 1,409.80 | 1/2 | 1,033.40 | 1/2 | 656.84 | 1/2 | 295.54 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,535.37 | 3/4 | 2,157.47 | 3/4 | 1,779.57 | 3/4 | 1,401.96 | 3/4 | 1,025.58 | 3/4 | 648.97 | 3/4 | 288.40 | 3/4 | | 3/4 | | 3/4 | |
| 4 | 2,527.50 | 4 | 2,149.60 | 4 | 1,771.69 | 4 | 1,394.11 | 4 | 1,017.76 | 4 | 641.09 | 4 | 281.25 | 4 | | 4 | | 4 | |
| 1/4 | 2,519.63 | 1/4 | 2,141.73 | 1/4 | 1,763.82 | 1/4 | 1,386.26 | 1/4 | 1,009.95 | 1/4 | 633.22 | 1/4 | 274.11 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,511.76 | 1/2 | 2,133.86 | 1/2 | 1,755.95 | 1/2 | 1,378.42 | 1/2 | 1,002.13 | 1/2 | 625.35 | 1/2 | 266.96 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,503.88 | 3/4 | 2,125.98 | 3/4 | 1,748.07 | 3/4 | 1,370.57 | 3/4 | 994.32 | 3/4 | 617.47 | 3/4 | 259.92 | 3/4 | | 3/4 | | 3/4 | |
| 5 | 2,496.01 | 5 | 2,118.11 | 5 | 1,740.20 | 5 | 1,362.73 | 5 | 986.50 | 5 | 609.60 | 5 | 252.88 | 5 | | 5 | | 5 | |
| 1/4 | 2,488.14 | 1/4 | 2,110.24 | 1/4 | 1,732.33 | 1/4 | 1,354.88 | 1/4 | 978.69 | 1/4 | 601.73 | 1/4 | 245.84 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,480.26 | 1/2 | 2,102.36 | 1/2 | 1,724.45 | 1/2 | 1,347.03 | 1/2 | 970.87 | 1/2 | 593.85 | 1/2 | 238.80 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,472.39 | 3/4 | 2,094.49 | 3/4 | 1,716.58 | 3/4 | 1,339.19 | 3/4 | 963.05 | 3/4 | 585.98 | 3/4 | 231.86 | 3/4 | | 3/4 | | 3/4 | |
| 6 | 2,464.52 | 6 | 2,086.62 | 6 | 1,708.71 | 6 | 1,331.34 | 6 | 955.24 | 6 | 578.10 | 6 | 224.93 | 6 | | 6 | | 6 | |
| 1/4 | 2,456.64 | 1/4 | 2,078.75 | 1/4 | 1,700.83 | 1/4 | 1,323.49 | 1/4 | 947.42 | 1/4 | 570.23 | 1/4 | 217.99 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,448.77 | 1/2 | 2,070.87 | 1/2 | 1,692.96 | 1/2 | 1,315.65 | 1/2 | 939.61 | 1/2 | 562.36 | 1/2 | 211.05 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,440.90 | 3/4 | 2,063.00 | 3/4 | 1,685.09 | 3/4 | 1,307.79 | 3/4 | 931.79 | 3/4 | 554.48 | 3/4 | 204.23 | 3/4 | | 3/4 | | 3/4 | |
| 7 | 2,433.03 | 7 | 2,055.13 | 7 | 1,677.21 | 7 | 1,299.93 | 7 | 923.98 | 7 | 546.61 | 7 | 197.40 | 7 | | 7 | | 7 | |
| 1/4 | 2,425.15 | 1/4 | 2,047.25 | 1/4 | 1,669.34 | 1/4 | 1,292.07 | 1/4 | 916.16 | 1/4 | 538.73 | 1/4 | 190.57 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,417.28 | 1/2 | 2,039.38 | 1/2 | 1,661.47 | 1/2 | 1,284.21 | 1/2 | 908.35 | 1/2 | 530.86 | 1/2 | 183.75 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,409.41 | 3/4 | 2,031.51 | 3/4 | 1,653.59 | 3/4 | 1,276.33 | 3/4 | 900.53 | 3/4 | 523.22 | 3/4 | 177.04 | 3/4 | | 3/4 | | 3/4 | |
| 8 | 2,401.53 | 8 | 2,023.64 | 8 | 1,645.72 | 8 | 1,268.46 | 8 | 892.71 | 8 | 515.58 | 8 | 170.33 | 8 | | 8 | | 8 | |
| 1/4 | 2,393.66 | 1/4 | 2,015.76 | 1/4 | 1,637.85 | 1/4 | 1,260.59 | 1/4 | 884.89 | 1/4 | 507.94 | 1/4 | 163.63 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,385.79 | 1/2 | 2,007.89 | 1/2 | 1,629.98 | 1/2 | 1,252.71 | 1/2 | 877.08 | 1/2 | 500.30 | 1/2 | 156.92 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,377.92 | 3/4 | 2,000.02 | 3/4 | 1,622.10 | 3/4 | 1,244.84 | 3/4 | 869.24 | 3/4 | 493.15 | 3/4 | 150.33 | 3/4 | | 3/4 | | 3/4 | |
| 9 | 2,370.04 | 9 | 1,992.14 | 9 | 1,614.23 | 9 | 1,236.96 | 9 | 861.41 | 9 | 486.00 | 9 | 143.73 | 9 | | 9 | | 9 | |
| 1/4 | 2,362.17 | 1/4 | 1,984.27 | 1/4 | 1,606.36 | 1/4 | 1,229.09 | 1/4 | 853.58 | 1/4 | 478.85 | 1/4 | 137.14 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,354.30 | 1/2 | 1,976.40 | 1/2 | 1,598.48 | 1/2 | 1,221.22 | 1/2 | 845.75 | 1/2 | 471.70 | 1/2 | 130.54 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,346.42 | 3/4 | 1,968.52 | 3/4 | 1,590.61 | 3/4 | 1,213.36 | 3/4 | 837.89 | 3/4 | 464.62 | 3/4 | 124.29 | 3/4 | | 3/4 | | 3/4 | |
| 10 | 2,338.55 | 10 | 1,960.65 | 10 | 1,582.74 | 10 | 1,205.50 | 10 | 830.03 | 10 | 457.55 | 10 | 118.03 | 10 | | 10 | | 10 | |
| 1/4 | 2,330.68 | 1/4 | 1,952.78 | 1/4 | 1,574.86 | 1/4 | 1,197.64 | 1/4 | 822.17 | 1/4 | 450.48 | 1/4 | 111.77 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,322.81 | 1/2 | 1,944.90 | 1/2 | 1,566.99 | 1/2 | 1,189.78 | 1/2 | 814.31 | 1/2 | 443.41 | 1/2 | 105.52 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,314.93 | 3/4 | 1,937.03 | 3/4 | 1,559.12 | 3/4 | 1,181.95 | 3/4 | 806.44 | 3/4 | 435.98 | 3/4 | 99.83 | 3/4 | | 3/4 | | 3/4 | |
| 11 | 2,307.06 | 11 | 1,929.16 | 11 | 1,551.24 | 11 | 1,174.12 | 11 | 798.56 | 11 | 428.56 | 11 | 94.14 | 11 | | 11 | | 11 | |
| 1/4 | 2,299.19 | 1/4 | 1,921.28 | 1/4 | 1,543.37 | 1/4 | 1,166.28 | 1/4 | 790.69 | 1/4 | 421.13 | 1/4 | 88.45 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,291.31 | 1/2 | 1,913.41 | 1/2 | 1,535.50 | 1/2 | 1,158.45 | 1/2 | 782.82 | 1/2 | 413.71 | 1/2 | 82.76 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,283.44 | 3/4 | 1,905.54 | 3/4 | 1,527.62 | 3/4 | 1,150.63 | 3/4 | 774.94 | 3/4 | 406.17 | 3/4 | 77.19 | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/03/2013 CL - SW
CALCULATED: 01/04/2013 CL
RECOMPUTED: 02/17/2018 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

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



BARGE "KIRBY 27783"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/4"

| 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 | 4,849.99 | 0 | 4,519.29 | 0 | 4,167.86 | 0 | 3,794.75 | 0 | 3,417.02 | 0 | 3,039.29 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,842.49 | 1/4 | 4,512.24 | 1/4 | 4,160.28 | 1/4 | 3,786.88 | 1/4 | 3,409.15 | 1/4 | 3,031.42 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,835.00 | 1/2 | 4,505.20 | 1/2 | 4,152.69 | 1/2 | 3,779.01 | 1/2 | 3,401.28 | 1/2 | 3,023.55 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,827.50 | 3/4 | 4,498.15 | 3/4 | 4,145.11 | 3/4 | 3,771.14 | 3/4 | 3,393.41 | 3/4 | 3,015.68 |
| 1 | | 1 | | 1 | | 1 | | 1 | 4,820.58 | 1 | 4,491.07 | 1 | 4,137.48 | 1 | 3,763.27 | 1 | 3,385.54 | 1 | 3,007.81 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,813.65 | 1/4 | 4,483.99 | 1/4 | 4,129.86 | 1/4 | 3,755.41 | 1/4 | 3,377.67 | 1/4 | 2,999.94 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,806.72 | 1/2 | 4,476.90 | 1/2 | 4,122.24 | 1/2 | 3,747.54 | 1/2 | 3,369.80 | 1/2 | 2,992.07 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,799.80 | 3/4 | 4,469.82 | 3/4 | 4,114.62 | 3/4 | 3,739.67 | 3/4 | 3,361.94 | 3/4 | 2,984.20 |
| 2 | | 2 | | 2 | | 2 | | 2 | 4,793.13 | 2 | 4,462.70 | 2 | 4,106.95 | 2 | 3,731.80 | 2 | 3,354.07 | 2 | 2,976.33 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,786.46 | 1/4 | 4,455.58 | 1/4 | 4,099.29 | 1/4 | 3,723.93 | 1/4 | 3,346.20 | 1/4 | 2,968.47 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,779.80 | 1/2 | 4,448.46 | 1/2 | 4,091.63 | 1/2 | 3,716.06 | 1/2 | 3,338.33 | 1/2 | 2,960.60 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,773.13 | 3/4 | 4,441.34 | 3/4 | 4,083.97 | 3/4 | 3,708.19 | 3/4 | 3,330.46 | 3/4 | 2,952.73 |
| 3 | | 3 | | 3 | | 3 | | 3 | 4,766.43 | 3 | 4,434.16 | 3 | 4,076.27 | 3 | 3,700.32 | 3 | 3,322.59 | 3 | 2,944.86 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,759.72 | 1/4 | 4,426.98 | 1/4 | 4,068.58 | 1/4 | 3,692.45 | 1/4 | 3,314.72 | 1/4 | 2,936.99 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,753.02 | 1/2 | 4,419.80 | 1/2 | 4,060.88 | 1/2 | 3,684.58 | 1/2 | 3,306.85 | 1/2 | 2,929.12 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,746.32 | 3/4 | 4,412.62 | 3/4 | 4,053.18 | 3/4 | 3,676.71 | 3/4 | 3,298.98 | 3/4 | 2,921.25 |
| 4 | | 4 | | 4 | | 4 | | 4 | 4,739.58 | 4 | 4,405.36 | 4 | 4,045.44 | 4 | 3,668.84 | 4 | 3,291.11 | 4 | 2,913.38 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,732.83 | 1/4 | 4,398.09 | 1/4 | 4,037.70 | 1/4 | 3,660.97 | 1/4 | 3,283.24 | 1/4 | 2,905.51 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,726.09 | 1/2 | 4,390.83 | 1/2 | 4,029.97 | 1/2 | 3,653.10 | 1/2 | 3,275.37 | 1/2 | 2,897.64 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,719.35 | 3/4 | 4,383.57 | 3/4 | 4,022.23 | 3/4 | 3,645.23 | 3/4 | 3,267.50 | 3/4 | 2,889.77 |
| 5 | | 5 | | 5 | | 5 | | 5 | 4,712.57 | 5 | 4,376.26 | 5 | 4,014.46 | 5 | 3,637.36 | 5 | 3,259.63 | 5 | 2,881.90 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,705.79 | 1/4 | 4,368.94 | 1/4 | 4,006.68 | 1/4 | 3,629.49 | 1/4 | 3,251.76 | 1/4 | 2,874.03 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,699.01 | 1/2 | 4,361.62 | 1/2 | 3,998.91 | 1/2 | 3,621.63 | 1/2 | 3,243.89 | 1/2 | 2,866.16 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,692.23 | 3/4 | 4,354.30 | 3/4 | 3,991.13 | 3/4 | 3,613.76 | 3/4 | 3,236.02 | 3/4 | 2,858.29 |
| 6 | | 6 | | 6 | | 6 | | 6 | 4,685.41 | 6 | 4,346.94 | 6 | 3,983.32 | 6 | 3,605.89 | 6 | 3,228.16 | 6 | 2,850.42 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,678.60 | 1/4 | 4,339.58 | 1/4 | 3,975.51 | 1/4 | 3,598.02 | 1/4 | 3,220.29 | 1/4 | 2,842.55 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,671.78 | 1/2 | 4,332.22 | 1/2 | 3,967.70 | 1/2 | 3,590.15 | 1/2 | 3,212.42 | 1/2 | 2,834.69 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,664.96 | 3/4 | 4,324.87 | 3/4 | 3,959.88 | 3/4 | 3,582.28 | 3/4 | 3,204.55 | 3/4 | 2,826.82 |
| 7 | | 7 | | 7 | | 7 | | 7 | 4,658.11 | 7 | 4,317.47 | 7 | 3,952.04 | 7 | 3,574.41 | 7 | 3,196.68 | 7 | 2,818.95 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,651.25 | 1/4 | 4,310.08 | 1/4 | 3,944.19 | 1/4 | 3,566.54 | 1/4 | 3,188.81 | 1/4 | 2,811.08 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,644.39 | 1/2 | 4,302.68 | 1/2 | 3,936.35 | 1/2 | 3,558.67 | 1/2 | 3,180.94 | 1/2 | 2,803.21 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,968.10 | 3/4 | 4,637.54 | 3/4 | 4,295.29 | 3/4 | 3,928.50 | 3/4 | 3,550.80 | 3/4 | 3,173.07 | 3/4 | 2,795.34 |
| 8 | | 8 | | 8 | | 8 | 4,962.61 | 8 | 4,630.65 | 8 | 4,287.85 | 8 | 3,920.64 | 8 | 3,542.93 | 8 | 3,165.20 | 8 | 2,787.47 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,957.12 | 1/4 | 4,623.75 | 1/4 | 4,280.42 | 1/4 | 3,912.78 | 1/4 | 3,535.06 | 1/4 | 3,157.33 | 1/4 | 2,779.60 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,951.63 | 1/2 | 4,616.86 | 1/2 | 4,272.99 | 1/2 | 3,904.92 | 1/2 | 3,527.19 | 1/2 | 3,149.46 | 1/2 | 2,771.73 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,946.14 | 3/4 | 4,609.96 | 3/4 | 4,265.55 | 3/4 | 3,897.05 | 3/4 | 3,519.32 | 3/4 | 3,141.59 | 3/4 | 2,763.86 |
| 9 | | 9 | | 9 | | 9 | 4,939.36 | 9 | 4,603.03 | 9 | 4,258.08 | 9 | 3,889.19 | 9 | 3,511.45 | 9 | 3,133.72 | 9 | 2,755.99 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,932.58 | 1/4 | 4,596.10 | 1/4 | 4,250.61 | 1/4 | 3,881.32 | 1/4 | 3,503.58 | 1/4 | 3,125.85 | 1/4 | 2,748.12 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,925.80 | 1/2 | 4,589.17 | 1/2 | 4,243.14 | 1/2 | 3,873.45 | 1/2 | 3,495.72 | 1/2 | 3,117.98 | 1/2 | 2,740.25 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,919.02 | 3/4 | 4,582.24 | 3/4 | 4,235.67 | 3/4 | 3,865.58 | 3/4 | 3,487.85 | 3/4 | 3,110.11 | 3/4 | 2,732.38 |
| 10 | | 10 | | 10 | | 10 | 4,911.42 | 10 | 4,575.27 | 10 | 4,228.16 | 10 | 3,857.71 | 10 | 3,479.98 | 10 | 3,102.24 | 10 | 2,724.51 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,903.82 | 1/4 | 4,568.30 | 1/4 | 4,220.65 | 1/4 | 3,849.84 | 1/4 | 3,472.11 | 1/4 | 3,094.38 | 1/4 | 2,716.64 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,896.22 | 1/2 | 4,561.33 | 1/2 | 4,213.14 | 1/2 | 3,841.97 | 1/2 | 3,464.24 | 1/2 | 3,086.51 | 1/2 | 2,708.77 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,888.62 | 3/4 | 4,554.36 | 3/4 | 4,205.63 | 3/4 | 3,834.10 | 3/4 | 3,456.37 | 3/4 | 3,078.64 | 3/4 | 2,700.91 |
| 11 | | 11 | | 11 | | 11 | 4,880.84 | 11 | 4,547.35 | 11 | 4,198.09 | 11 | 3,826.23 | 11 | 3,448.50 | 11 | 3,070.77 | 11 | 2,693.04 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,873.05 | 1/4 | 4,540.35 | 1/4 | 4,190.54 | 1/4 | 3,818.36 | 1/4 | 3,440.63 | 1/4 | 3,062.90 | 1/4 | 2,685.17 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,865.27 | 1/2 | 4,533.34 | 1/2 | 4,182.99 | 1/2 | 3,810.49 | 1/2 | 3,432.76 | 1/2 | 3,055.03 | 1/2 | 2,677.30 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,857.48 | 3/4 | 4,526.33 | 3/4 | 4,175.45 | 3/4 | 3,802.62 | 3/4 | 3,424.89 | 3/4 | 3,047.16 | 3/4 | 2,669.43 |

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 WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 49'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 27783"

1 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/4"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 2,661.56 | 0 | 2,283.83 | 0 | 1,906.09 | 0 | 1,528.35 | 0 | 1,151.33 | 0 | 774.63 | 0 | 406.01 | 0 | 77.16 | 0 | | 0 | |
| 1/4 | 2,653.69 | 1/4 | 2,275.96 | 1/4 | 1,898.23 | 1/4 | 1,520.48 | 1/4 | 1,143.49 | 1/4 | 766.76 | 1/4 | 398.48 | 1/4 | 71.59 | 1/4 | | 1/4 | |
| 1/2 | 2,645.82 | 1/2 | 2,268.09 | 1/2 | 1,890.36 | 1/2 | 1,512.61 | 1/2 | 1,135.65 | 1/2 | 758.89 | 1/2 | 390.94 | 1/2 | 66.02 | 1/2 | | 1/2 | |
| 3/4 | 2,637.95 | 3/4 | 2,260.22 | 3/4 | 1,882.49 | 3/4 | 1,504.75 | 3/4 | 1,127.80 | 3/4 | 751.02 | 3/4 | 383.41 | 3/4 | 60.45 | 3/4 | | 3/4 | |
| 1 | 2,630.08 | 1 | 2,252.35 | 1 | 1,874.62 | 1 | 1,496.89 | 1 | 1,119.96 | 1 | 743.15 | 1 | 375.98 | 1 | 54.56 | 1 | | 1 | |
| 1/4 | 2,622.21 | 1/4 | 2,244.48 | 1/4 | 1,866.75 | 1/4 | 1,489.03 | 1/4 | 1,112.12 | 1/4 | 735.28 | 1/4 | 368.56 | 1/4 | 48.66 | 1/4 | | 1/4 | |
| 1/2 | 2,614.34 | 1/2 | 2,236.61 | 1/2 | 1,858.88 | 1/2 | 1,481.18 | 1/2 | 1,104.28 | 1/2 | 727.41 | 1/2 | 361.13 | 1/2 | 42.76 | 1/2 | | 1/2 | |
| 3/4 | 2,606.47 | 3/4 | 2,228.74 | 3/4 | 1,851.01 | 3/4 | 1,473.32 | 3/4 | 1,096.44 | 3/4 | 719.54 | 3/4 | 353.71 | 3/4 | 36.86 | 3/4 | | 3/4 | |
| 2 | 2,598.60 | 2 | 2,220.87 | 2 | 1,843.14 | 2 | 1,465.48 | 2 | 1,088.60 | 2 | 711.67 | 2 | 346.38 | 2 | 31.47 | 2 | | 2 | |
| 1/4 | 2,590.73 | 1/4 | 2,213.00 | 1/4 | 1,835.27 | 1/4 | 1,457.64 | 1/4 | 1,080.76 | 1/4 | 703.80 | 1/4 | 339.05 | 1/4 | 26.07 | 1/4 | | 1/4 | |
| 1/2 | 2,582.86 | 1/2 | 2,205.13 | 1/2 | 1,827.40 | 1/2 | 1,449.80 | 1/2 | 1,072.92 | 1/2 | 695.93 | 1/2 | 331.72 | 1/2 | 20.68 | 1/2 | | 1/2 | |
| 3/4 | 2,575.00 | 3/4 | 2,197.26 | 3/4 | 1,819.53 | 3/4 | 1,441.95 | 3/4 | 1,065.08 | 3/4 | 688.06 | 3/4 | 324.39 | 3/4 | 15.28 | 3/4 | | 3/4 | |
| 3 | 2,567.13 | 3 | 2,189.39 | 3 | 1,811.66 | 3 | 1,434.11 | 3 | 1,057.23 | 3 | 680.19 | 3 | 317.16 | 3 | 11.91 | 3 | | 3 | |
| 1/4 | 2,559.26 | 1/4 | 2,181.53 | 1/4 | 1,803.79 | 1/4 | 1,426.27 | 1/4 | 1,049.39 | 1/4 | 672.32 | 1/4 | 309.92 | 1/4 | 8.54 | 1/4 | | 1/4 | |
| 1/2 | 2,551.39 | 1/2 | 2,173.66 | 1/2 | 1,795.92 | 1/2 | 1,418.43 | 1/2 | 1,041.55 | 1/2 | 664.45 | 1/2 | 302.68 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,543.52 | 3/4 | 2,165.79 | 3/4 | 1,788.05 | 3/4 | 1,410.59 | 3/4 | 1,033.71 | 3/4 | 656.58 | 3/4 | 295.44 | 3/4 | | 3/4 | | 3/4 | |
| 4 | 2,535.65 | 4 | 2,157.92 | 4 | 1,780.18 | 4 | 1,402.74 | 4 | 1,025.87 | 4 | 648.71 | 4 | 288.30 | 4 | | 4 | | 4 | |
| 1/4 | 2,527.78 | 1/4 | 2,150.05 | 1/4 | 1,772.31 | 1/4 | 1,394.90 | 1/4 | 1,018.03 | 1/4 | 640.84 | 1/4 | 281.16 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,519.91 | 1/2 | 2,142.18 | 1/2 | 1,764.44 | 1/2 | 1,387.06 | 1/2 | 1,010.19 | 1/2 | 632.97 | 1/2 | 274.01 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,512.04 | 3/4 | 2,134.31 | 3/4 | 1,756.57 | 3/4 | 1,379.22 | 3/4 | 1,002.35 | 3/4 | 625.10 | 3/4 | 266.87 | 3/4 | | 3/4 | | 3/4 | |
| 5 | 2,504.17 | 5 | 2,126.44 | 5 | 1,748.70 | 5 | 1,371.37 | 5 | 994.51 | 5 | 617.23 | 5 | 259.83 | 5 | | 5 | | 5 | |
| 1/4 | 2,496.30 | 1/4 | 2,118.57 | 1/4 | 1,740.83 | 1/4 | 1,363.53 | 1/4 | 986.67 | 1/4 | 609.36 | 1/4 | 252.79 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,488.43 | 1/2 | 2,110.70 | 1/2 | 1,732.96 | 1/2 | 1,355.69 | 1/2 | 978.82 | 1/2 | 601.49 | 1/2 | 245.76 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,480.56 | 3/4 | 2,102.83 | 3/4 | 1,725.09 | 3/4 | 1,347.85 | 3/4 | 970.98 | 3/4 | 593.62 | 3/4 | 238.72 | 3/4 | | 3/4 | | 3/4 | |
| 6 | 2,472.69 | 6 | 2,094.96 | 6 | 1,717.22 | 6 | 1,340.00 | 6 | 963.14 | 6 | 585.75 | 6 | 231.78 | 6 | | 6 | | 6 | |
| 1/4 | 2,464.82 | 1/4 | 2,087.09 | 1/4 | 1,709.35 | 1/4 | 1,332.16 | 1/4 | 955.30 | 1/4 | 577.88 | 1/4 | 224.85 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,456.95 | 1/2 | 2,079.22 | 1/2 | 1,701.49 | 1/2 | 1,324.32 | 1/2 | 947.46 | 1/2 | 570.01 | 1/2 | 217.91 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,449.08 | 3/4 | 2,071.35 | 3/4 | 1,693.62 | 3/4 | 1,316.47 | 3/4 | 939.62 | 3/4 | 562.14 | 3/4 | 210.98 | 3/4 | | 3/4 | | 3/4 | |
| 7 | 2,441.22 | 7 | 2,063.48 | 7 | 1,685.75 | 7 | 1,308.62 | 7 | 931.78 | 7 | 554.27 | 7 | 204.16 | 7 | | 7 | | 7 | |
| 1/4 | 2,433.35 | 1/4 | 2,055.61 | 1/4 | 1,677.88 | 1/4 | 1,300.76 | 1/4 | 923.94 | 1/4 | 546.39 | 1/4 | 197.33 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,425.48 | 1/2 | 2,047.75 | 1/2 | 1,670.01 | 1/2 | 1,292.91 | 1/2 | 916.10 | 1/2 | 538.52 | 1/2 | 190.51 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,417.61 | 3/4 | 2,039.88 | 3/4 | 1,662.14 | 3/4 | 1,285.05 | 3/4 | 908.26 | 3/4 | 530.65 | 3/4 | 183.69 | 3/4 | | 3/4 | | 3/4 | |
| 8 | 2,409.74 | 8 | 2,032.01 | 8 | 1,654.27 | 8 | 1,277.18 | 8 | 900.41 | 8 | 523.02 | 8 | 176.98 | 8 | | 8 | | 8 | |
| 1/4 | 2,401.87 | 1/4 | 2,024.14 | 1/4 | 1,646.40 | 1/4 | 1,269.31 | 1/4 | 892.57 | 1/4 | 515.38 | 1/4 | 170.28 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,394.00 | 1/2 | 2,016.27 | 1/2 | 1,638.53 | 1/2 | 1,261.44 | 1/2 | 884.73 | 1/2 | 507.74 | 1/2 | 163.57 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,386.13 | 3/4 | 2,008.40 | 3/4 | 1,630.66 | 3/4 | 1,253.57 | 3/4 | 876.88 | 3/4 | 500.10 | 3/4 | 156.87 | 3/4 | | 3/4 | | 3/4 | |
| 9 | 2,378.26 | 9 | 2,000.53 | 9 | 1,622.79 | 9 | 1,245.70 | 9 | 869.03 | 9 | 492.96 | 9 | 150.28 | 9 | | 9 | | 9 | |
| 1/4 | 2,370.39 | 1/4 | 1,992.66 | 1/4 | 1,614.92 | 1/4 | 1,237.83 | 1/4 | 861.17 | 1/4 | 485.81 | 1/4 | 143.69 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,362.52 | 1/2 | 1,984.79 | 1/2 | 1,607.05 | 1/2 | 1,229.96 | 1/2 | 853.31 | 1/2 | 478.66 | 1/2 | 137.09 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,354.65 | 3/4 | 1,976.92 | 3/4 | 1,599.18 | 3/4 | 1,222.09 | 3/4 | 845.45 | 3/4 | 471.52 | 3/4 | 130.50 | 3/4 | | 3/4 | | 3/4 | |
| 10 | 2,346.78 | 10 | 1,969.05 | 10 | 1,591.31 | 10 | 1,214.22 | 10 | 837.58 | 10 | 464.45 | 10 | 124.25 | 10 | | 10 | | 10 | |
| 1/4 | 2,338.91 | 1/4 | 1,961.18 | 1/4 | 1,583.44 | 1/4 | 1,206.35 | 1/4 | 829.71 | 1/4 | 457.38 | 1/4 | 117.99 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,331.04 | 1/2 | 1,953.31 | 1/2 | 1,575.57 | 1/2 | 1,198.48 | 1/2 | 821.84 | 1/2 | 450.31 | 1/2 | 111.74 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,323.17 | 3/4 | 1,945.44 | 3/4 | 1,567.70 | 3/4 | 1,190.61 | 3/4 | 813.97 | 3/4 | 443.24 | 3/4 | 105.48 | 3/4 | | 3/4 | | 3/4 | |
| 11 | 2,315.30 | 11 | 1,937.57 | 11 | 1,559.83 | 11 | 1,182.75 | 11 | 806.10 | 11 | 435.82 | 11 | 99.80 | 11 | | 11 | | 11 | |
| 1/4 | 2,307.44 | 1/4 | 1,929.70 | 1/4 | 1,551.96 | 1/4 | 1,174.89 | 1/4 | 798.23 | 1/4 | 428.40 | 1/4 | 94.11 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,299.57 | 1/2 | 1,921.83 | 1/2 | 1,544.09 | 1/2 | 1,167.03 | 1/2 | 790.37 | 1/2 | 420.97 | 1/2 | 88.42 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,291.70 | 3/4 | 1,913.96 | 3/4 | 1,536.22 | 3/4 | 1,159.18 | 3/4 | 782.50 | 3/4 | 413.55 | 3/4 | 82.73 | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/03/2013 CL - SW
CALCULATED: 01/04/2013 CL
RECOMPUTED: 02/17/2018 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

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



BARGE "KIRBY 27783"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/4"

| 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 | 4,668.72 | 0 | 4,354.65 | 0 | 4,020.75 | 0 | 3,666.18 | 0 | 3,307.22 | 0 | 2,948.25 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,661.60 | 1/4 | 4,347.96 | 1/4 | 4,013.54 | 1/4 | 3,658.70 | 1/4 | 3,299.74 | 1/4 | 2,940.77 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,654.48 | 1/2 | 4,341.27 | 1/2 | 4,006.33 | 1/2 | 3,651.22 | 1/2 | 3,292.26 | 1/2 | 2,933.30 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,647.36 | 3/4 | 4,334.58 | 3/4 | 3,999.12 | 3/4 | 3,643.74 | 3/4 | 3,284.78 | 3/4 | 2,925.82 |
| 1 | | 1 | | 1 | | 1 | | 1 | 4,640.78 | 1 | 4,327.85 | 1 | 3,991.88 | 1 | 3,636.26 | 1 | 3,277.30 | 1 | 2,918.34 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,634.21 | 1/4 | 4,321.12 | 1/4 | 3,984.64 | 1/4 | 3,628.79 | 1/4 | 3,269.82 | 1/4 | 2,910.86 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,627.63 | 1/2 | 4,314.40 | 1/2 | 3,977.39 | 1/2 | 3,621.31 | 1/2 | 3,262.34 | 1/2 | 2,903.38 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,621.05 | 3/4 | 4,307.67 | 3/4 | 3,970.15 | 3/4 | 3,613.83 | 3/4 | 3,254.87 | 3/4 | 2,895.90 |
| 2 | | 2 | | 2 | | 2 | | 2 | 4,614.72 | 2 | 4,300.91 | 2 | 3,962.87 | 2 | 3,606.35 | 2 | 3,247.39 | 2 | 2,888.42 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,608.39 | 1/4 | 4,294.14 | 1/4 | 3,955.59 | 1/4 | 3,598.87 | 1/4 | 3,239.91 | 1/4 | 2,880.95 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,602.06 | 1/2 | 4,287.38 | 1/2 | 3,948.31 | 1/2 | 3,591.39 | 1/2 | 3,232.43 | 1/2 | 2,873.47 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,595.73 | 3/4 | 4,280.62 | 3/4 | 3,941.03 | 3/4 | 3,583.92 | 3/4 | 3,224.95 | 3/4 | 2,865.99 |
| 3 | | 3 | | 3 | | 3 | | 3 | 4,589.36 | 3 | 4,273.80 | 3 | 3,933.71 | 3 | 3,576.44 | 3 | 3,217.47 | 3 | 2,858.51 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,583.00 | 1/4 | 4,266.98 | 1/4 | 3,926.40 | 1/4 | 3,568.96 | 1/4 | 3,210.00 | 1/4 | 2,851.03 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,576.63 | 1/2 | 4,260.16 | 1/2 | 3,919.08 | 1/2 | 3,561.48 | 1/2 | 3,202.52 | 1/2 | 2,843.55 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,570.26 | 3/4 | 4,253.34 | 3/4 | 3,911.76 | 3/4 | 3,554.00 | 3/4 | 3,195.04 | 3/4 | 2,836.08 |
| 4 | | 4 | | 4 | | 4 | | 4 | 4,563.86 | 4 | 4,246.44 | 4 | 3,904.41 | 4 | 3,546.52 | 4 | 3,187.56 | 4 | 2,828.60 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,557.46 | 1/4 | 4,239.54 | 1/4 | 3,897.06 | 1/4 | 3,539.05 | 1/4 | 3,180.08 | 1/4 | 2,821.12 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,551.05 | 1/2 | 4,232.64 | 1/2 | 3,889.71 | 1/2 | 3,531.57 | 1/2 | 3,172.60 | 1/2 | 2,813.64 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,544.65 | 3/4 | 4,225.74 | 3/4 | 3,882.35 | 3/4 | 3,524.09 | 3/4 | 3,165.13 | 3/4 | 2,806.16 |
| 5 | | 5 | | 5 | | 5 | | 5 | 4,538.21 | 5 | 4,218.79 | 5 | 3,874.97 | 5 | 3,516.61 | 5 | 3,157.65 | 5 | 2,798.68 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,531.77 | 1/4 | 4,211.83 | 1/4 | 3,867.58 | 1/4 | 3,509.13 | 1/4 | 3,150.17 | 1/4 | 2,791.21 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,525.34 | 1/2 | 4,204.88 | 1/2 | 3,860.19 | 1/2 | 3,501.65 | 1/2 | 3,142.69 | 1/2 | 2,783.73 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,518.90 | 3/4 | 4,197.92 | 3/4 | 3,852.80 | 3/4 | 3,494.18 | 3/4 | 3,135.21 | 3/4 | 2,776.25 |
| 6 | | 6 | | 6 | | 6 | | 6 | 4,512.42 | 6 | 4,190.93 | 6 | 3,845.38 | 6 | 3,486.70 | 6 | 3,127.73 | 6 | 2,768.77 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,505.95 | 1/4 | 4,183.94 | 1/4 | 3,837.95 | 1/4 | 3,479.22 | 1/4 | 3,120.26 | 1/4 | 2,761.29 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,499.47 | 1/2 | 4,176.95 | 1/2 | 3,830.53 | 1/2 | 3,471.74 | 1/2 | 3,112.78 | 1/2 | 2,753.81 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,493.00 | 3/4 | 4,169.95 | 3/4 | 3,823.10 | 3/4 | 3,464.26 | 3/4 | 3,105.30 | 3/4 | 2,746.34 |
| 7 | | 7 | | 7 | | 7 | | 7 | 4,486.49 | 7 | 4,162.93 | 7 | 3,815.65 | 7 | 3,456.78 | 7 | 3,097.82 | 7 | 2,738.86 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,479.98 | 1/4 | 4,155.90 | 1/4 | 3,808.19 | 1/4 | 3,449.30 | 1/4 | 3,090.34 | 1/4 | 2,731.38 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,473.47 | 1/2 | 4,148.87 | 1/2 | 3,800.74 | 1/2 | 3,441.83 | 1/2 | 3,082.86 | 1/2 | 2,723.90 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,780.89 | 3/4 | 4,466.96 | 3/4 | 4,141.84 | 3/4 | 3,793.28 | 3/4 | 3,434.35 | 3/4 | 3,075.38 | 3/4 | 2,716.42 |
| 8 | | 8 | | 8 | 4,775.68 | 8 | 4,460.41 | 8 | 4,134.78 | 8 | 3,785.81 | 8 | 3,426.87 | 8 | 3,067.91 | 8 | 3,067.91 | 8 | 2,708.94 |
| 1/4 | | 1/4 | | 1/4 | 4,770.47 | 1/4 | 4,453.86 | 1/4 | 4,127.72 | 1/4 | 3,778.34 | 1/4 | 3,419.39 | 1/4 | 3,060.43 | 1/4 | 3,060.43 | 1/4 | 2,701.46 |
| 1/2 | | 1/2 | | 1/2 | 4,765.25 | 1/2 | 4,447.32 | 1/2 | 4,120.65 | 1/2 | 3,770.87 | 1/2 | 3,411.91 | 1/2 | 3,052.95 | 1/2 | 3,052.95 | 1/2 | 2,693.99 |
| 3/4 | | 3/4 | | 3/4 | 4,760.04 | 3/4 | 4,440.77 | 3/4 | 4,113.59 | 3/4 | 3,763.40 | 3/4 | 3,404.43 | 3/4 | 3,045.47 | 3/4 | 3,045.47 | 3/4 | 2,686.51 |
| 9 | | 9 | | 9 | 4,753.60 | 9 | 4,434.19 | 9 | 4,106.49 | 9 | 3,755.92 | 9 | 3,755.92 | 9 | 3,396.96 | 9 | 3,037.99 | 9 | 2,679.03 |
| 1/4 | | 1/4 | | 1/4 | 4,747.16 | 1/4 | 4,427.60 | 1/4 | 4,099.39 | 1/4 | 3,748.44 | 1/4 | 3,748.44 | 1/4 | 3,389.48 | 1/4 | 3,030.51 | 1/4 | 2,671.55 |
| 1/2 | | 1/2 | | 1/2 | 4,740.72 | 1/2 | 4,421.02 | 1/2 | 4,092.29 | 1/2 | 3,740.96 | 1/2 | 3,740.96 | 1/2 | 3,382.00 | 1/2 | 3,023.04 | 1/2 | 2,664.07 |
| 3/4 | | 3/4 | | 3/4 | 4,734.29 | 3/4 | 4,414.44 | 3/4 | 4,085.19 | 3/4 | 3,733.48 | 3/4 | 3,733.48 | 3/4 | 3,374.52 | 3/4 | 3,015.56 | 3/4 | 2,656.59 |
| 10 | | 10 | | 10 | 4,727.07 | 10 | 4,407.82 | 10 | 4,078.05 | 10 | 3,726.01 | 10 | 3,726.01 | 10 | 3,367.04 | 10 | 3,008.08 | 10 | 2,649.12 |
| 1/4 | | 1/4 | | 1/4 | 4,719.85 | 1/4 | 4,401.20 | 1/4 | 4,070.92 | 1/4 | 3,718.53 | 1/4 | 3,718.53 | 1/4 | 3,359.56 | 1/4 | 3,000.60 | 1/4 | 2,641.64 |
| 1/2 | | 1/2 | | 1/2 | 4,712.63 | 1/2 | 4,394.58 | 1/2 | 4,063.78 | 1/2 | 3,711.05 | 1/2 | 3,711.05 | 1/2 | 3,352.09 | 1/2 | 2,993.12 | 1/2 | 2,634.16 |
| 3/4 | | 3/4 | | 3/4 | 4,705.41 | 3/4 | 4,387.96 | 3/4 | 4,056.64 | 3/4 | 3,703.57 | 3/4 | 3,703.57 | 3/4 | 3,344.61 | 3/4 | 2,985.64 | 3/4 | 2,626.68 |
| 11 | | 11 | | 11 | 4,698.02 | 11 | 4,381.31 | 11 | 4,049.47 | 11 | 3,696.09 | 11 | 3,696.09 | 11 | 3,337.13 | 11 | 2,978.17 | 11 | 2,619.20 |
| 1/4 | | 1/4 | | 1/4 | 4,690.63 | 1/4 | 4,374.65 | 1/4 | 4,042.30 | 1/4 | 3,688.61 | 1/4 | 3,688.61 | 1/4 | 3,329.65 | 1/4 | 2,970.69 | 1/4 | 2,611.72 |
| 1/2 | | 1/2 | | 1/2 | 4,683.23 | 1/2 | 4,368.00 | 1/2 | 4,035.13 | 1/2 | 3,681.14 | 1/2 | 3,681.14 | 1/2 | 3,322.17 | 1/2 | 2,963.21 | 1/2 | 2,604.25 |
| 3/4 | | 3/4 | | 3/4 | 4,675.84 | 3/4 | 4,361.34 | 3/4 | 4,027.96 | 3/4 | 3,673.66 | 3/4 | 3,673.66 | 3/4 | 3,314.69 | 3/4 | 2,955.73 | 3/4 | 2,596.77 |

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 WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 49'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 27783"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/4"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 2,589.29 | 0 | 2,230.33 | 0 | 1,871.36 | 0 | 1,512.47 | 0 | 1,159.47 | 0 | 815.09 | 0 | 463.21 | 0 | 109.28 | 0 | | 0 | |
| 1/4 | 2,581.81 | 1/4 | 2,222.85 | 1/4 | 1,863.88 | 1/4 | 1,505.07 | 1/4 | 1,152.32 | 1/4 | 807.61 | 1/4 | 455.76 | 1/4 | 102.51 | 1/4 | | 1/4 | |
| 1/2 | 2,574.33 | 1/2 | 2,215.37 | 1/2 | 1,856.40 | 1/2 | 1,497.67 | 1/2 | 1,145.17 | 1/2 | 800.13 | 1/2 | 448.30 | 1/2 | 95.74 | 1/2 | | 1/2 | |
| 3/4 | 2,566.85 | 3/4 | 2,207.89 | 3/4 | 1,848.93 | 3/4 | 1,490.28 | 3/4 | 1,138.02 | 3/4 | 792.65 | 3/4 | 440.84 | 3/4 | 88.96 | 3/4 | | 3/4 | |
| 1 | 2,559.38 | 1 | 2,200.41 | 1 | 1,841.45 | 1 | 1,482.96 | 1 | 1,130.87 | 1 | 785.17 | 1 | 433.40 | 1 | 81.78 | 1 | | 1 | |
| 1/4 | 2,551.90 | 1/4 | 2,192.93 | 1/4 | 1,833.97 | 1/4 | 1,475.64 | 1/4 | 1,123.72 | 1/4 | 777.70 | 1/4 | 425.95 | 1/4 | 74.60 | 1/4 | | 1/4 | |
| 1/2 | 2,544.42 | 1/2 | 2,185.46 | 1/2 | 1,826.49 | 1/2 | 1,468.33 | 1/2 | 1,116.57 | 1/2 | 770.22 | 1/2 | 418.50 | 1/2 | 67.41 | 1/2 | | 1/2 | |
| 3/4 | 2,536.94 | 3/4 | 2,177.98 | 3/4 | 1,819.01 | 3/4 | 1,461.01 | 3/4 | 1,109.42 | 3/4 | 762.74 | 3/4 | 411.05 | 3/4 | 60.23 | 3/4 | | 3/4 | |
| 2 | 2,529.46 | 2 | 2,170.50 | 2 | 1,811.53 | 2 | 1,453.69 | 2 | 1,102.28 | 2 | 755.26 | 2 | 403.59 | 2 | 53.42 | 2 | | 2 | |
| 1/4 | 2,521.98 | 1/4 | 2,163.02 | 1/4 | 1,804.05 | 1/4 | 1,446.38 | 1/4 | 1,095.13 | 1/4 | 747.78 | 1/4 | 396.14 | 1/4 | 46.62 | 1/4 | | 1/4 | |
| 1/2 | 2,514.50 | 1/2 | 2,155.54 | 1/2 | 1,796.58 | 1/2 | 1,439.06 | 1/2 | 1,087.98 | 1/2 | 740.30 | 1/2 | 388.68 | 1/2 | 39.81 | 1/2 | | 1/2 | |
| 3/4 | 2,507.03 | 3/4 | 2,148.06 | 3/4 | 1,789.10 | 3/4 | 1,431.74 | 3/4 | 1,080.83 | 3/4 | 732.82 | 3/4 | 381.22 | 3/4 | 33.01 | 3/4 | | 3/4 | |
| 3 | 2,499.55 | 3 | 2,140.58 | 3 | 1,781.62 | 3 | 1,424.43 | 3 | 1,073.68 | 3 | 725.34 | 3 | 373.75 | 3 | 28.03 | 3 | | 3 | |
| 1/4 | 2,492.07 | 1/4 | 2,133.11 | 1/4 | 1,774.14 | 1/4 | 1,417.11 | 1/4 | 1,066.53 | 1/4 | 717.86 | 1/4 | 366.28 | 1/4 | 23.05 | 1/4 | | 1/4 | |
| 1/2 | 2,484.59 | 1/2 | 2,125.63 | 1/2 | 1,766.66 | 1/2 | 1,409.79 | 1/2 | 1,059.38 | 1/2 | 710.38 | 1/2 | 358.81 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,477.11 | 3/4 | 2,118.15 | 3/4 | 1,759.18 | 3/4 | 1,402.48 | 3/4 | 1,052.23 | 3/4 | 702.91 | 3/4 | 351.34 | 3/4 | | 3/4 | | 3/4 | |
| 4 | 2,469.63 | 4 | 2,110.67 | 4 | 1,751.70 | 4 | 1,395.16 | 4 | 1,045.09 | 4 | 695.43 | 4 | 343.86 | 4 | | 4 | | 4 | |
| 1/4 | 2,462.16 | 1/4 | 2,103.19 | 1/4 | 1,744.22 | 1/4 | 1,387.84 | 1/4 | 1,037.94 | 1/4 | 687.95 | 1/4 | 336.38 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,454.68 | 1/2 | 2,095.71 | 1/2 | 1,736.75 | 1/2 | 1,380.53 | 1/2 | 1,030.79 | 1/2 | 680.47 | 1/2 | 328.90 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,447.20 | 3/4 | 2,088.24 | 3/4 | 1,729.27 | 3/4 | 1,373.21 | 3/4 | 1,023.64 | 3/4 | 672.99 | 3/4 | 321.43 | 3/4 | | 3/4 | | 3/4 | |
| 5 | 2,439.72 | 5 | 2,080.76 | 5 | 1,721.79 | 5 | 1,365.89 | 5 | 1,016.49 | 5 | 665.51 | 5 | 313.95 | 5 | | 5 | | 5 | |
| 1/4 | 2,432.24 | 1/4 | 2,073.28 | 1/4 | 1,714.31 | 1/4 | 1,358.58 | 1/4 | 1,009.34 | 1/4 | 658.03 | 1/4 | 306.47 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,424.76 | 1/2 | 2,065.80 | 1/2 | 1,706.83 | 1/2 | 1,351.26 | 1/2 | 1,002.19 | 1/2 | 650.55 | 1/2 | 298.99 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,417.29 | 3/4 | 2,058.32 | 3/4 | 1,699.35 | 3/4 | 1,343.94 | 3/4 | 995.05 | 3/4 | 643.07 | 3/4 | 291.51 | 3/4 | | 3/4 | | 3/4 | |
| 6 | 2,409.81 | 6 | 2,050.84 | 6 | 1,691.87 | 6 | 1,336.54 | 6 | 987.90 | 6 | 635.59 | 6 | 284.04 | 6 | | 6 | | 6 | |
| 1/4 | 2,402.33 | 1/4 | 2,043.37 | 1/4 | 1,684.40 | 1/4 | 1,329.15 | 1/4 | 980.75 | 1/4 | 628.12 | 1/4 | 276.56 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,394.85 | 1/2 | 2,035.89 | 1/2 | 1,676.92 | 1/2 | 1,321.75 | 1/2 | 973.60 | 1/2 | 620.64 | 1/2 | 269.08 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,387.37 | 3/4 | 2,028.41 | 3/4 | 1,669.44 | 3/4 | 1,314.35 | 3/4 | 966.45 | 3/4 | 613.16 | 3/4 | 261.60 | 3/4 | | 3/4 | | 3/4 | |
| 7 | 2,379.89 | 7 | 2,020.93 | 7 | 1,661.96 | 7 | 1,306.87 | 7 | 959.30 | 7 | 605.68 | 7 | 254.13 | 7 | | 7 | | 7 | |
| 1/4 | 2,372.42 | 1/4 | 2,013.45 | 1/4 | 1,654.48 | 1/4 | 1,299.39 | 1/4 | 952.15 | 1/4 | 598.20 | 1/4 | 246.66 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,364.94 | 1/2 | 2,005.97 | 1/2 | 1,647.00 | 1/2 | 1,291.91 | 1/2 | 945.00 | 1/2 | 590.72 | 1/2 | 239.19 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,357.46 | 3/4 | 1,998.50 | 3/4 | 1,639.52 | 3/4 | 1,284.43 | 3/4 | 937.86 | 3/4 | 583.24 | 3/4 | 231.72 | 3/4 | | 3/4 | | 3/4 | |
| 8 | 2,349.98 | 8 | 1,991.02 | 8 | 1,632.05 | 8 | 1,276.95 | 8 | 930.70 | 8 | 575.98 | 8 | 224.26 | 8 | | 8 | | 8 | |
| 1/4 | 2,342.50 | 1/4 | 1,983.54 | 1/4 | 1,624.57 | 1/4 | 1,269.47 | 1/4 | 923.55 | 1/4 | 568.72 | 1/4 | 216.81 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,335.02 | 1/2 | 1,976.06 | 1/2 | 1,617.09 | 1/2 | 1,261.99 | 1/2 | 916.40 | 1/2 | 561.46 | 1/2 | 209.35 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,327.54 | 3/4 | 1,968.58 | 3/4 | 1,609.61 | 3/4 | 1,254.51 | 3/4 | 909.25 | 3/4 | 554.21 | 3/4 | 201.89 | 3/4 | | 3/4 | | 3/4 | |
| 9 | 2,320.07 | 9 | 1,961.10 | 9 | 1,602.13 | 9 | 1,247.04 | 9 | 902.09 | 9 | 547.39 | 9 | 194.45 | 9 | | 9 | | 9 | |
| 1/4 | 2,312.59 | 1/4 | 1,953.63 | 1/4 | 1,594.65 | 1/4 | 1,239.56 | 1/4 | 894.92 | 1/4 | 540.57 | 1/4 | 187.00 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,305.11 | 1/2 | 1,946.15 | 1/2 | 1,587.17 | 1/2 | 1,232.08 | 1/2 | 887.76 | 1/2 | 533.76 | 1/2 | 179.55 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,297.63 | 3/4 | 1,938.67 | 3/4 | 1,579.70 | 3/4 | 1,224.60 | 3/4 | 880.59 | 3/4 | 526.94 | 3/4 | 172.11 | 3/4 | | 3/4 | | 3/4 | |
| 10 | 2,290.15 | 10 | 1,931.19 | 10 | 1,572.22 | 10 | 1,217.27 | 10 | 873.41 | 10 | 520.12 | 10 | 164.88 | 10 | | 10 | | 10 | |
| 1/4 | 2,282.67 | 1/4 | 1,923.71 | 1/4 | 1,564.74 | 1/4 | 1,209.94 | 1/4 | 866.24 | 1/4 | 513.31 | 1/4 | 157.66 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,275.20 | 1/2 | 1,916.23 | 1/2 | 1,557.26 | 1/2 | 1,202.61 | 1/2 | 859.06 | 1/2 | 506.49 | 1/2 | 150.43 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,267.72 | 3/4 | 1,908.75 | 3/4 | 1,549.78 | 3/4 | 1,195.28 | 3/4 | 851.88 | 3/4 | 499.67 | 3/4 | 143.20 | 3/4 | | 3/4 | | 3/4 | |
| 11 | 2,260.24 | 11 | 1,901.28 | 11 | 1,542.30 | 11 | 1,188.12 | 11 | 844.55 | 11 | 492.42 | 11 | 136.42 | 11 | | 11 | | 11 | |
| 1/4 | 2,252.76 | 1/4 | 1,893.80 | 1/4 | 1,534.82 | 1/4 | 1,180.95 | 1/4 | 837.23 | 1/4 | 485.17 | 1/4 | 129.63 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,245.28 | 1/2 | 1,886.32 | 1/2 | 1,527.35 | 1/2 | 1,173.79 | 1/2 | 829.90 | 1/2 | 477.92 | 1/2 | 122.84 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,237.80 | 3/4 | 1,878.84 | 3/4 | 1,519.87 | 3/4 | 1,166.62 | 3/4 | 822.57 | 3/4 | 470.67 | 3/4 | 116.06 | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/03/2013 CL - SW
CALCULATED: 01/04/2013 CL
RECOMPUTED: 02/17/2018 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

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



BARGE "KIRBY 27783"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/4"

| 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 | 4,684.32 | 0 | 4,370.28 | 0 | 4,036.40 | 0 | 3,681.81 | 0 | 3,322.85 | 0 | 2,963.89 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,677.20 | 1/4 | 4,363.59 | 1/4 | 4,029.19 | 1/4 | 3,674.33 | 1/4 | 3,315.37 | 1/4 | 2,956.41 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,670.08 | 1/2 | 4,356.90 | 1/2 | 4,021.98 | 1/2 | 3,666.85 | 1/2 | 3,307.90 | 1/2 | 2,948.94 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,662.96 | 3/4 | 4,350.21 | 3/4 | 4,014.78 | 3/4 | 3,659.38 | 3/4 | 3,300.42 | 3/4 | 2,941.46 |
| 1 | | 1 | | 1 | | 1 | | 1 | 4,656.39 | 1 | 4,343.49 | 1 | 4,007.53 | 1 | 3,651.90 | 1 | 3,292.94 | 1 | 2,933.98 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,649.81 | 1/4 | 4,336.76 | 1/4 | 4,000.29 | 1/4 | 3,644.42 | 1/4 | 3,285.46 | 1/4 | 2,926.50 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,643.23 | 1/2 | 4,330.03 | 1/2 | 3,993.04 | 1/2 | 3,636.94 | 1/2 | 3,277.98 | 1/2 | 2,919.02 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,636.65 | 3/4 | 4,323.31 | 3/4 | 3,985.80 | 3/4 | 3,629.46 | 3/4 | 3,270.50 | 3/4 | 2,911.55 |
| 2 | | 2 | | 2 | | 2 | | 2 | 4,630.32 | 2 | 4,316.54 | 2 | 3,978.52 | 2 | 3,621.98 | 2 | 3,263.03 | 2 | 2,904.07 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,623.99 | 1/4 | 4,309.78 | 1/4 | 3,971.24 | 1/4 | 3,614.51 | 1/4 | 3,255.55 | 1/4 | 2,896.59 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,617.66 | 1/2 | 4,303.02 | 1/2 | 3,963.96 | 1/2 | 3,607.03 | 1/2 | 3,248.07 | 1/2 | 2,889.11 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,611.33 | 3/4 | 4,296.26 | 3/4 | 3,956.68 | 3/4 | 3,599.55 | 3/4 | 3,240.59 | 3/4 | 2,881.63 |
| 3 | | 3 | | 3 | | 3 | | 3 | 4,604.97 | 3 | 4,289.44 | 3 | 3,949.36 | 3 | 3,592.07 | 3 | 3,233.11 | 3 | 2,874.15 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,598.60 | 1/4 | 4,282.62 | 1/4 | 3,942.05 | 1/4 | 3,584.59 | 1/4 | 3,225.63 | 1/4 | 2,866.68 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,592.24 | 1/2 | 4,275.80 | 1/2 | 3,934.73 | 1/2 | 3,577.11 | 1/2 | 3,218.16 | 1/2 | 2,859.20 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,585.87 | 3/4 | 4,268.98 | 3/4 | 3,927.42 | 3/4 | 3,569.64 | 3/4 | 3,210.68 | 3/4 | 2,851.72 |
| 4 | | 4 | | 4 | | 4 | | 4 | 4,579.47 | 4 | 4,262.08 | 4 | 3,920.06 | 4 | 3,562.16 | 4 | 3,203.20 | 4 | 2,844.24 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,573.07 | 1/4 | 4,255.18 | 1/4 | 3,912.71 | 1/4 | 3,554.68 | 1/4 | 3,195.72 | 1/4 | 2,836.76 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,566.67 | 1/2 | 4,248.28 | 1/2 | 3,905.36 | 1/2 | 3,547.20 | 1/2 | 3,188.24 | 1/2 | 2,829.28 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,560.26 | 3/4 | 4,241.39 | 3/4 | 3,898.01 | 3/4 | 3,539.72 | 3/4 | 3,180.76 | 3/4 | 2,821.81 |
| 5 | | 5 | | 5 | | 5 | | 5 | 4,553.83 | 5 | 4,234.43 | 5 | 3,890.62 | 5 | 3,532.24 | 5 | 3,173.29 | 5 | 2,814.33 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,547.39 | 1/4 | 4,227.47 | 1/4 | 3,883.23 | 1/4 | 3,524.77 | 1/4 | 3,165.81 | 1/4 | 2,806.85 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,540.95 | 1/2 | 4,220.52 | 1/2 | 3,875.84 | 1/2 | 3,517.29 | 1/2 | 3,158.33 | 1/2 | 2,799.37 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,534.51 | 3/4 | 4,213.56 | 3/4 | 3,868.46 | 3/4 | 3,509.81 | 3/4 | 3,150.85 | 3/4 | 2,791.89 |
| 6 | | 6 | | 6 | | 6 | | 6 | 4,528.04 | 6 | 4,206.57 | 6 | 3,861.03 | 6 | 3,502.33 | 6 | 3,143.37 | 6 | 2,784.41 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,521.56 | 1/4 | 4,199.58 | 1/4 | 3,853.61 | 1/4 | 3,494.85 | 1/4 | 3,135.89 | 1/4 | 2,776.94 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,515.09 | 1/2 | 4,192.59 | 1/2 | 3,846.18 | 1/2 | 3,487.37 | 1/2 | 3,128.42 | 1/2 | 2,769.46 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,508.62 | 3/4 | 4,185.60 | 3/4 | 3,838.76 | 3/4 | 3,479.90 | 3/4 | 3,120.94 | 3/4 | 2,761.98 |
| 7 | | 7 | | 7 | | 7 | | 7 | 4,502.11 | 7 | 4,178.57 | 7 | 3,831.30 | 7 | 3,472.42 | 7 | 3,113.46 | 7 | 2,754.50 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,495.60 | 1/4 | 4,171.54 | 1/4 | 3,823.85 | 1/4 | 3,464.94 | 1/4 | 3,105.98 | 1/4 | 2,747.02 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,489.09 | 1/2 | 4,164.52 | 1/2 | 3,816.39 | 1/2 | 3,457.46 | 1/2 | 3,098.50 | 1/2 | 2,739.54 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,796.50 | 3/4 | 4,482.58 | 3/4 | 4,157.49 | 3/4 | 3,808.93 | 3/4 | 3,449.98 | 3/4 | 3,091.02 | 3/4 | 2,732.07 |
| 8 | | 8 | | 8 | | 8 | 4,791.29 | 8 | 4,476.03 | 8 | 4,150.43 | 8 | 3,801.46 | 8 | 3,442.50 | 8 | 3,083.55 | 8 | 2,724.59 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,786.08 | 1/4 | 4,469.48 | 1/4 | 4,143.36 | 1/4 | 3,793.98 | 1/4 | 3,435.03 | 1/4 | 3,076.07 | 1/4 | 2,717.11 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,780.86 | 1/2 | 4,462.94 | 1/2 | 4,136.30 | 1/2 | 3,786.50 | 1/2 | 3,427.55 | 1/2 | 3,068.59 | 1/2 | 2,709.63 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,775.65 | 3/4 | 4,456.39 | 3/4 | 4,129.23 | 3/4 | 3,779.03 | 3/4 | 3,420.07 | 3/4 | 3,061.11 | 3/4 | 2,702.15 |
| 9 | | 9 | | 9 | | 9 | 4,769.21 | 9 | 4,449.81 | 9 | 4,122.14 | 9 | 3,771.55 | 9 | 3,412.59 | 9 | 3,053.63 | 9 | 2,694.67 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,762.77 | 1/4 | 4,443.23 | 1/4 | 4,115.04 | 1/4 | 3,764.07 | 1/4 | 3,405.11 | 1/4 | 3,046.15 | 1/4 | 2,687.20 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,756.33 | 1/2 | 4,436.65 | 1/2 | 4,107.94 | 1/2 | 3,756.59 | 1/2 | 3,397.63 | 1/2 | 3,038.68 | 1/2 | 2,679.72 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,749.89 | 3/4 | 4,430.06 | 3/4 | 4,100.84 | 3/4 | 3,749.11 | 3/4 | 3,390.16 | 3/4 | 3,031.20 | 3/4 | 2,672.24 |
| 10 | | 10 | | 10 | | 10 | 4,742.67 | 10 | 4,423.45 | 10 | 4,093.70 | 10 | 3,741.64 | 10 | 3,382.68 | 10 | 3,023.72 | 10 | 2,664.76 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,735.45 | 1/4 | 4,416.83 | 1/4 | 4,086.56 | 1/4 | 3,734.16 | 1/4 | 3,375.20 | 1/4 | 3,016.24 | 1/4 | 2,657.28 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,728.23 | 1/2 | 4,410.21 | 1/2 | 4,079.43 | 1/2 | 3,726.68 | 1/2 | 3,367.72 | 1/2 | 3,008.76 | 1/2 | 2,649.80 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,721.01 | 3/4 | 4,403.59 | 3/4 | 4,072.29 | 3/4 | 3,719.20 | 3/4 | 3,360.24 | 3/4 | 3,001.28 | 3/4 | 2,642.33 |
| 11 | | 11 | | 11 | | 11 | 4,713.62 | 11 | 4,396.94 | 11 | 4,065.12 | 11 | 3,711.72 | 11 | 3,352.76 | 11 | 2,993.81 | 11 | 2,634.85 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,706.23 | 1/4 | 4,390.28 | 1/4 | 4,057.95 | 1/4 | 3,704.25 | 1/4 | 3,345.29 | 1/4 | 2,986.33 | 1/4 | 2,627.37 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,698.83 | 1/2 | 4,383.63 | 1/2 | 4,050.78 | 1/2 | 3,696.77 | 1/2 | 3,337.81 | 1/2 | 2,978.85 | 1/2 | 2,619.89 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,691.44 | 3/4 | 4,376.97 | 3/4 | 4,043.61 | 3/4 | 3,689.29 | 3/4 | 3,330.33 | 3/4 | 2,971.37 | 3/4 | 2,612.41 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 49'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 27783"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/4"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 2,604.93 | 0 | 2,245.98 | 0 | 1,887.01 | 0 | 1,528.12 | 0 | 1,173.02 | 0 | 815.08 | 0 | 463.21 | 0 | 109.28 | 0 | | 0 | |
| 1/4 | 2,597.46 | 1/4 | 2,238.50 | 1/4 | 1,879.53 | 1/4 | 1,520.73 | 1/4 | 1,165.57 | 1/4 | 807.60 | 1/4 | 455.75 | 1/4 | 102.51 | 1/4 | | 1/4 | |
| 1/2 | 2,589.98 | 1/2 | 2,231.02 | 1/2 | 1,872.05 | 1/2 | 1,513.33 | 1/2 | 1,158.12 | 1/2 | 800.12 | 1/2 | 448.30 | 1/2 | 95.74 | 1/2 | | 1/2 | |
| 3/4 | 2,582.50 | 3/4 | 2,223.54 | 3/4 | 1,864.57 | 3/4 | 1,505.93 | 3/4 | 1,150.66 | 3/4 | 792.64 | 3/4 | 440.84 | 3/4 | 88.96 | 3/4 | | 3/4 | |
| 1 | 2,575.02 | 1 | 2,216.06 | 1 | 1,857.10 | 1 | 1,498.62 | 1 | 1,143.21 | 1 | 785.17 | 1 | 433.39 | 1 | 81.78 | 1 | | 1 | |
| 1/4 | 2,567.54 | 1/4 | 2,208.58 | 1/4 | 1,849.62 | 1/4 | 1,491.30 | 1/4 | 1,135.76 | 1/4 | 777.69 | 1/4 | 425.94 | 1/4 | 74.60 | 1/4 | | 1/4 | |
| 1/2 | 2,560.07 | 1/2 | 2,201.11 | 1/2 | 1,842.14 | 1/2 | 1,483.98 | 1/2 | 1,128.31 | 1/2 | 770.21 | 1/2 | 418.49 | 1/2 | 67.41 | 1/2 | | 1/2 | |
| 3/4 | 2,552.59 | 3/4 | 2,193.63 | 3/4 | 1,834.66 | 3/4 | 1,476.67 | 3/4 | 1,120.86 | 3/4 | 762.73 | 3/4 | 411.05 | 3/4 | 60.23 | 3/4 | | 3/4 | |
| 2 | 2,545.11 | 2 | 2,186.15 | 2 | 1,827.18 | 2 | 1,469.35 | 2 | 1,113.41 | 2 | 755.25 | 2 | 403.59 | 2 | 53.43 | 2 | | 2 | |
| 1/4 | 2,537.63 | 1/4 | 2,178.67 | 1/4 | 1,819.70 | 1/4 | 1,462.03 | 1/4 | 1,105.96 | 1/4 | 747.77 | 1/4 | 396.13 | 1/4 | 46.62 | 1/4 | | 1/4 | |
| 1/2 | 2,530.15 | 1/2 | 2,171.19 | 1/2 | 1,812.23 | 1/2 | 1,454.72 | 1/2 | 1,098.51 | 1/2 | 740.29 | 1/2 | 388.68 | 1/2 | 39.82 | 1/2 | | 1/2 | |
| 3/4 | 2,522.67 | 3/4 | 2,163.72 | 3/4 | 1,804.75 | 3/4 | 1,447.40 | 3/4 | 1,091.06 | 3/4 | 732.81 | 3/4 | 381.22 | 3/4 | 33.01 | 3/4 | | 3/4 | |
| 3 | 2,515.20 | 3 | 2,156.24 | 3 | 1,797.27 | 3 | 1,440.08 | 3 | 1,083.61 | 3 | 725.33 | 3 | 373.75 | 3 | 28.03 | 3 | | 3 | |
| 1/4 | 2,507.72 | 1/4 | 2,148.76 | 1/4 | 1,789.79 | 1/4 | 1,432.77 | 1/4 | 1,076.16 | 1/4 | 717.86 | 1/4 | 366.28 | 1/4 | 23.05 | 1/4 | | 1/4 | |
| 1/2 | 2,500.24 | 1/2 | 2,141.28 | 1/2 | 1,782.31 | 1/2 | 1,425.45 | 1/2 | 1,068.71 | 1/2 | 710.38 | 1/2 | 358.81 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,492.76 | 3/4 | 2,133.80 | 3/4 | 1,774.83 | 3/4 | 1,418.13 | 3/4 | 1,061.26 | 3/4 | 702.90 | 3/4 | 351.34 | 3/4 | | 3/4 | | 3/4 | |
| 4 | 2,485.28 | 4 | 2,126.32 | 4 | 1,767.35 | 4 | 1,410.82 | 4 | 1,053.81 | 4 | 695.42 | 4 | 343.86 | 4 | | 4 | | 4 | |
| 1/4 | 2,477.80 | 1/4 | 2,118.85 | 1/4 | 1,759.88 | 1/4 | 1,403.50 | 1/4 | 1,046.36 | 1/4 | 687.94 | 1/4 | 336.38 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,470.33 | 1/2 | 2,111.37 | 1/2 | 1,752.40 | 1/2 | 1,396.18 | 1/2 | 1,038.91 | 1/2 | 680.46 | 1/2 | 328.90 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,462.85 | 3/4 | 2,103.89 | 3/4 | 1,744.92 | 3/4 | 1,388.87 | 3/4 | 1,031.46 | 3/4 | 672.98 | 3/4 | 321.42 | 3/4 | | 3/4 | | 3/4 | |
| 5 | 2,455.37 | 5 | 2,096.41 | 5 | 1,737.44 | 5 | 1,381.55 | 5 | 1,024.01 | 5 | 665.50 | 5 | 313.95 | 5 | | 5 | | 5 | |
| 1/4 | 2,447.89 | 1/4 | 2,088.93 | 1/4 | 1,729.96 | 1/4 | 1,374.23 | 1/4 | 1,016.56 | 1/4 | 658.02 | 1/4 | 306.47 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,440.41 | 1/2 | 2,081.45 | 1/2 | 1,722.48 | 1/2 | 1,366.92 | 1/2 | 1,009.11 | 1/2 | 650.54 | 1/2 | 298.99 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,432.93 | 3/4 | 2,073.98 | 3/4 | 1,715.00 | 3/4 | 1,359.60 | 3/4 | 1,001.66 | 3/4 | 643.07 | 3/4 | 291.51 | 3/4 | | 3/4 | | 3/4 | |
| 6 | 2,425.46 | 6 | 2,066.50 | 6 | 1,707.53 | 6 | 1,352.20 | 6 | 994.21 | 6 | 635.59 | 6 | 284.03 | 6 | | 6 | | 6 | |
| 1/4 | 2,417.98 | 1/4 | 2,059.02 | 1/4 | 1,700.05 | 1/4 | 1,344.80 | 1/4 | 986.76 | 1/4 | 628.11 | 1/4 | 276.55 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,410.50 | 1/2 | 2,051.54 | 1/2 | 1,692.57 | 1/2 | 1,337.40 | 1/2 | 979.31 | 1/2 | 620.63 | 1/2 | 269.08 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,403.02 | 3/4 | 2,044.06 | 3/4 | 1,685.09 | 3/4 | 1,330.01 | 3/4 | 971.86 | 3/4 | 613.15 | 3/4 | 261.60 | 3/4 | | 3/4 | | 3/4 | |
| 7 | 2,395.54 | 7 | 2,036.58 | 7 | 1,677.61 | 7 | 1,322.53 | 7 | 964.41 | 7 | 605.67 | 7 | 254.13 | 7 | | 7 | | 7 | |
| 1/4 | 2,388.06 | 1/4 | 2,029.11 | 1/4 | 1,670.13 | 1/4 | 1,315.05 | 1/4 | 956.96 | 1/4 | 598.19 | 1/4 | 246.66 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,380.59 | 1/2 | 2,021.63 | 1/2 | 1,662.66 | 1/2 | 1,307.57 | 1/2 | 949.51 | 1/2 | 590.71 | 1/2 | 239.19 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,373.11 | 3/4 | 2,014.15 | 3/4 | 1,655.18 | 3/4 | 1,300.09 | 3/4 | 942.06 | 3/4 | 583.23 | 3/4 | 231.71 | 3/4 | | 3/4 | | 3/4 | |
| 8 | 2,365.63 | 8 | 2,006.67 | 8 | 1,647.70 | 8 | 1,292.61 | 8 | 934.61 | 8 | 575.97 | 8 | 224.26 | 8 | | 8 | | 8 | |
| 1/4 | 2,358.15 | 1/4 | 1,999.19 | 1/4 | 1,640.22 | 1/4 | 1,285.13 | 1/4 | 927.16 | 1/4 | 568.71 | 1/4 | 216.80 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,350.67 | 1/2 | 1,991.71 | 1/2 | 1,632.74 | 1/2 | 1,277.65 | 1/2 | 919.71 | 1/2 | 561.46 | 1/2 | 209.35 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,343.19 | 3/4 | 1,984.23 | 3/4 | 1,625.26 | 3/4 | 1,270.17 | 3/4 | 912.26 | 3/4 | 554.20 | 3/4 | 201.89 | 3/4 | | 3/4 | | 3/4 | |
| 9 | 2,335.72 | 9 | 1,976.75 | 9 | 1,617.78 | 9 | 1,262.69 | 9 | 904.79 | 9 | 547.38 | 9 | 194.44 | 9 | | 9 | | 9 | |
| 1/4 | 2,328.24 | 1/4 | 1,969.27 | 1/4 | 1,610.31 | 1/4 | 1,255.21 | 1/4 | 897.32 | 1/4 | 540.57 | 1/4 | 187.00 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,320.76 | 1/2 | 1,961.80 | 1/2 | 1,602.83 | 1/2 | 1,247.73 | 1/2 | 889.86 | 1/2 | 533.75 | 1/2 | 179.55 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,313.28 | 3/4 | 1,954.32 | 3/4 | 1,595.35 | 3/4 | 1,240.26 | 3/4 | 882.39 | 3/4 | 526.93 | 3/4 | 172.10 | 3/4 | | 3/4 | | 3/4 | |
| 10 | 2,305.80 | 10 | 1,946.84 | 10 | 1,587.87 | 10 | 1,232.78 | 10 | 874.91 | 10 | 520.12 | 10 | 164.88 | 10 | | 10 | | 10 | |
| 1/4 | 2,298.32 | 1/4 | 1,939.36 | 1/4 | 1,580.39 | 1/4 | 1,225.30 | 1/4 | 867.43 | 1/4 | 513.30 | 1/4 | 157.65 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,290.85 | 1/2 | 1,931.88 | 1/2 | 1,572.91 | 1/2 | 1,217.82 | 1/2 | 859.95 | 1/2 | 506.49 | 1/2 | 150.43 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,283.37 | 3/4 | 1,924.40 | 3/4 | 1,565.43 | 3/4 | 1,210.34 | 3/4 | 852.48 | 3/4 | 499.67 | 3/4 | 143.20 | 3/4 | | 3/4 | | 3/4 | |
| 11 | 2,275.89 | 11 | 1,916.92 | 11 | 1,557.96 | 11 | 1,202.87 | 11 | 845.00 | 11 | 492.42 | 11 | 136.42 | 11 | | 11 | | 11 | |
| 1/4 | 2,268.41 | 1/4 | 1,909.45 | 1/4 | 1,550.48 | 1/4 | 1,195.41 | 1/4 | 837.52 | 1/4 | 485.17 | 1/4 | 129.63 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,260.93 | 1/2 | 1,901.97 | 1/2 | 1,543.00 | 1/2 | 1,187.94 | 1/2 | 830.04 | 1/2 | 477.92 | 1/2 | 122.84 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,253.45 | 3/4 | 1,894.49 | 3/4 | 1,535.52 | 3/4 | 1,180.47 | 3/4 | 822.56 | 3/4 | 470.67 | 3/4 | 116.06 | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/03/2013 CL - SW
CALCULATED: 01/04/2013 CL
RECOMPUTED: 02/17/2018 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

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



BARGE "KIRBY 27783"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-01"

| 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 | 3,958.36 | 0 | 3,793.17 | 0 | 3,614.44 | 0 | 3,424.60 | 0 | 3,170.73 | 0 | 2,814.27 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,954.75 | 1/4 | 3,789.62 | 1/4 | 3,610.58 | 1/4 | 3,420.60 | 1/4 | 3,163.28 | 1/4 | 2,806.85 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,951.13 | 1/2 | 3,786.08 | 1/2 | 3,606.72 | 1/2 | 3,416.61 | 1/2 | 3,155.84 | 1/2 | 2,799.43 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,947.80 | 3/4 | 3,782.51 | 3/4 | 3,602.84 | 3/4 | 3,412.61 | 3/4 | 3,148.39 | 3/4 | 2,792.00 |
| 1 | | 1 | | 1 | | 1 | | 1 | 3,944.47 | 1 | 3,778.95 | 1 | 3,598.96 | 1 | 3,408.62 | 1 | 3,140.95 | 1 | 2,784.58 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,941.13 | 1/4 | 3,775.39 | 1/4 | 3,595.08 | 1/4 | 3,404.62 | 1/4 | 3,133.50 | 1/4 | 2,777.16 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,937.80 | 1/2 | 3,771.82 | 1/2 | 3,591.20 | 1/2 | 3,400.63 | 1/2 | 3,126.06 | 1/2 | 2,769.73 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,934.45 | 3/4 | 3,768.24 | 3/4 | 3,587.31 | 3/4 | 3,396.63 | 3/4 | 3,118.63 | 3/4 | 2,762.31 |
| 2 | | 2 | | 2 | | 2 | | 2 | 3,931.10 | 2 | 3,764.66 | 2 | 3,583.41 | 2 | 3,392.64 | 2 | 3,111.21 | 2 | 2,754.89 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,927.74 | 1/4 | 3,761.07 | 1/4 | 3,579.51 | 1/4 | 3,388.64 | 1/4 | 3,103.79 | 1/4 | 2,747.46 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,924.39 | 1/2 | 3,757.49 | 1/2 | 3,575.61 | 1/2 | 3,384.65 | 1/2 | 3,096.36 | 1/2 | 2,740.04 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,921.02 | 3/4 | 3,753.85 | 3/4 | 3,571.69 | 3/4 | 3,380.65 | 3/4 | 3,088.94 | 3/4 | 2,732.62 |
| 3 | | 3 | | 3 | | 3 | | 3 | 3,917.65 | 3 | 3,750.20 | 3 | 3,567.77 | 3 | 3,376.66 | 3 | 3,081.52 | 3 | 2,725.19 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,914.28 | 1/4 | 3,746.56 | 1/4 | 3,563.86 | 1/4 | 3,372.66 | 1/4 | 3,074.09 | 1/4 | 2,717.77 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,910.91 | 1/2 | 3,742.91 | 1/2 | 3,559.94 | 1/2 | 3,368.67 | 1/2 | 3,066.67 | 1/2 | 2,710.35 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,907.52 | 3/4 | 3,739.21 | 3/4 | 3,556.00 | 3/4 | 3,364.67 | 3/4 | 3,059.25 | 3/4 | 2,702.92 |
| 4 | | 4 | | 4 | | 4 | | 4 | 3,904.13 | 4 | 3,735.50 | 4 | 3,552.06 | 4 | 3,360.68 | 4 | 3,051.82 | 4 | 2,695.50 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,900.74 | 1/4 | 3,731.79 | 1/4 | 3,548.13 | 1/4 | 3,356.68 | 1/4 | 3,044.40 | 1/4 | 2,688.08 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,897.35 | 1/2 | 3,728.09 | 1/2 | 3,544.19 | 1/2 | 3,352.69 | 1/2 | 3,036.98 | 1/2 | 2,680.65 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,893.94 | 3/4 | 3,724.36 | 3/4 | 3,540.23 | 3/4 | 3,348.69 | 3/4 | 3,029.55 | 3/4 | 2,673.23 |
| 5 | | 5 | | 5 | | 5 | | 5 | 3,890.53 | 5 | 3,720.64 | 5 | 3,536.28 | 5 | 3,344.70 | 5 | 3,022.13 | 5 | 2,665.81 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,887.12 | 1/4 | 3,716.91 | 1/4 | 3,532.32 | 1/4 | 3,340.70 | 1/4 | 3,014.70 | 1/4 | 2,658.38 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,883.71 | 1/2 | 3,713.19 | 1/2 | 3,528.37 | 1/2 | 3,336.71 | 1/2 | 3,007.28 | 1/2 | 2,650.96 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,880.28 | 3/4 | 3,709.44 | 3/4 | 3,524.39 | 3/4 | 3,332.71 | 3/4 | 2,999.86 | 3/4 | 2,643.53 |
| 6 | | 6 | | 6 | | 6 | | 6 | 3,876.85 | 6 | 3,705.70 | 6 | 3,520.41 | 6 | 3,328.72 | 6 | 2,992.43 | 6 | 2,636.11 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,873.42 | 1/4 | 3,701.95 | 1/4 | 3,516.44 | 1/4 | 3,324.72 | 1/4 | 2,985.01 | 1/4 | 2,628.69 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,869.99 | 1/2 | 3,698.21 | 1/2 | 3,512.46 | 1/2 | 3,320.73 | 1/2 | 2,977.59 | 1/2 | 2,621.26 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,866.54 | 3/4 | 3,694.44 | 3/4 | 3,508.47 | 3/4 | 3,316.74 | 3/4 | 2,970.16 | 3/4 | 2,613.84 |
| 7 | | 7 | | 7 | | 7 | | 7 | 3,863.09 | 7 | 3,690.68 | 7 | 3,504.48 | 7 | 3,312.74 | 7 | 2,962.74 | 7 | 2,606.42 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,859.65 | 1/4 | 3,686.92 | 1/4 | 3,500.49 | 1/4 | 3,308.75 | 1/4 | 2,955.32 | 1/4 | 2,598.99 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,020.56 | 1/2 | 3,856.20 | 1/2 | 3,683.15 | 1/2 | 3,496.51 | 1/2 | 3,304.75 | 1/2 | 2,947.89 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,018.20 | 3/4 | 3,852.73 | 3/4 | 3,679.37 | 3/4 | 3,492.51 | 3/4 | 3,297.30 | 3/4 | 2,940.47 |
| 8 | | 8 | | 8 | | 8 | | 8 | 4,015.84 | 8 | 3,849.26 | 8 | 3,675.59 | 8 | 3,488.52 | 8 | 3,289.86 | 8 | 2,933.05 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,013.48 | 1/4 | 3,845.79 | 1/4 | 3,671.80 | 1/4 | 3,484.52 | 1/4 | 3,282.41 | 1/4 | 2,925.62 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,011.12 | 1/2 | 3,842.33 | 1/2 | 3,668.02 | 1/2 | 3,480.53 | 1/2 | 3,274.97 | 1/2 | 2,918.20 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,007.56 | 3/4 | 3,838.84 | 3/4 | 3,664.22 | 3/4 | 3,476.53 | 3/4 | 3,267.52 | 3/4 | 2,910.78 |
| 9 | | 9 | | 9 | | 9 | | 9 | 4,004.00 | 9 | 3,835.35 | 9 | 3,660.42 | 9 | 3,472.54 | 9 | 3,260.08 | 9 | 2,903.35 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,000.44 | 1/4 | 3,831.87 | 1/4 | 3,656.61 | 1/4 | 3,468.54 | 1/4 | 3,252.63 | 1/4 | 2,895.93 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,996.88 | 1/2 | 3,828.38 | 1/2 | 3,652.81 | 1/2 | 3,464.55 | 1/2 | 3,245.19 | 1/2 | 2,888.51 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,992.97 | 3/4 | 3,824.87 | 3/4 | 3,648.99 | 3/4 | 3,460.55 | 3/4 | 3,237.74 | 3/4 | 2,881.08 |
| 10 | | 10 | | 10 | | 10 | | 10 | 3,989.06 | 10 | 3,821.37 | 10 | 3,645.17 | 10 | 3,456.56 | 10 | 3,230.29 | 10 | 2,873.66 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,985.15 | 1/4 | 3,817.86 | 1/4 | 3,641.35 | 1/4 | 3,452.56 | 1/4 | 3,222.85 | 1/4 | 2,866.24 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,981.24 | 1/2 | 3,814.36 | 1/2 | 3,637.52 | 1/2 | 3,448.57 | 1/2 | 3,215.40 | 1/2 | 2,858.81 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,977.33 | 3/4 | 3,810.83 | 3/4 | 3,633.68 | 3/4 | 3,444.57 | 3/4 | 3,207.96 | 3/4 | 2,851.39 |
| 11 | | 11 | | 11 | | 11 | | 11 | 3,973.42 | 11 | 3,807.31 | 11 | 3,629.84 | 11 | 3,440.58 | 11 | 3,200.51 | 11 | 2,843.97 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,969.51 | 1/4 | 3,803.78 | 1/4 | 3,626.00 | 1/4 | 3,436.58 | 1/4 | 3,193.07 | 1/4 | 2,836.54 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,965.60 | 1/2 | 3,800.25 | 1/2 | 3,622.16 | 1/2 | 3,432.59 | 1/2 | 3,185.62 | 1/2 | 2,829.12 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,961.98 | 3/4 | 3,796.71 | 3/4 | 3,618.30 | 3/4 | 3,428.59 | 3/4 | 3,178.18 | 3/4 | 2,821.70 |

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 WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 56'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 27783"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-01"

| 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 | 2,457.95 | 0 | 2,101.63 | 0 | 1,745.30 | 0 | 1,389.80 | 0 | 1,039.68 | 0 | 694.23 | 0 | 348.61 | 0 | 50.01 | 0 | | 0 | |
| 1/4 | 2,450.53 | 1/4 | 2,094.20 | 1/4 | 1,737.87 | 1/4 | 1,382.57 | 1/4 | 1,032.49 | 1/4 | 687.01 | 1/4 | 341.21 | 1/4 | 48.66 | 1/4 | | 1/4 | |
| 1/2 | 2,443.10 | 1/2 | 2,086.78 | 1/2 | 1,730.45 | 1/2 | 1,375.33 | 1/2 | 1,025.30 | 1/2 | 679.79 | 1/2 | 333.81 | 1/2 | 47.31 | 1/2 | | 1/2 | |
| 3/4 | 2,435.68 | 3/4 | 2,079.36 | 3/4 | 1,723.03 | 3/4 | 1,368.06 | 3/4 | 1,018.12 | 3/4 | 672.57 | 3/4 | 326.42 | 3/4 | 46.80 | 3/4 | | 3/4 | |
| 1 | 2,428.26 | 1 | 2,071.93 | 1 | 1,715.60 | 1 | 1,360.80 | 1 | 1,010.93 | 1 | 665.35 | 1 | 319.02 | 1 | 46.29 | 1 | | 1 | |
| 1/4 | 2,420.83 | 1/4 | 2,064.51 | 1/4 | 1,708.18 | 1/4 | 1,353.54 | 1/4 | 1,003.74 | 1/4 | 658.14 | 1/4 | 311.62 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,413.41 | 1/2 | 2,057.09 | 1/2 | 1,700.76 | 1/2 | 1,346.28 | 1/2 | 996.56 | 1/2 | 650.92 | 1/2 | 304.22 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,405.99 | 3/4 | 2,049.66 | 3/4 | 1,693.33 | 3/4 | 1,339.01 | 3/4 | 989.37 | 3/4 | 643.70 | 3/4 | 296.81 | 3/4 | | 3/4 | | 3/4 | |
| 2 | 2,398.56 | 2 | 2,042.24 | 2 | 1,685.91 | 2 | 1,331.75 | 2 | 982.18 | 2 | 636.48 | 2 | 289.40 | 2 | | 2 | | 2 | |
| 1/4 | 2,391.14 | 1/4 | 2,034.82 | 1/4 | 1,678.48 | 1/4 | 1,324.49 | 1/4 | 975.00 | 1/4 | 629.27 | 1/4 | 281.98 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,383.72 | 1/2 | 2,027.39 | 1/2 | 1,671.06 | 1/2 | 1,317.23 | 1/2 | 967.81 | 1/2 | 622.05 | 1/2 | 274.57 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,376.29 | 3/4 | 2,019.97 | 3/4 | 1,663.64 | 3/4 | 1,309.96 | 3/4 | 960.62 | 3/4 | 614.83 | 3/4 | 267.14 | 3/4 | | 3/4 | | 3/4 | |
| 3 | 2,368.87 | 3 | 2,012.55 | 3 | 1,656.21 | 3 | 1,302.70 | 3 | 953.44 | 3 | 607.61 | 3 | 259.71 | 3 | | 3 | | 3 | |
| 1/4 | 2,361.45 | 1/4 | 2,005.12 | 1/4 | 1,648.79 | 1/4 | 1,295.44 | 1/4 | 946.25 | 1/4 | 600.39 | 1/4 | 252.29 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,354.02 | 1/2 | 1,997.70 | 1/2 | 1,641.37 | 1/2 | 1,288.18 | 1/2 | 939.06 | 1/2 | 593.18 | 1/2 | 244.86 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,346.60 | 3/4 | 1,990.28 | 3/4 | 1,633.94 | 3/4 | 1,280.91 | 3/4 | 931.88 | 3/4 | 585.96 | 3/4 | 237.43 | 3/4 | | 3/4 | | 3/4 | |
| 4 | 2,339.18 | 4 | 1,982.85 | 4 | 1,626.52 | 4 | 1,273.65 | 4 | 924.69 | 4 | 578.74 | 4 | 230.01 | 4 | | 4 | | 4 | |
| 1/4 | 2,331.75 | 1/4 | 1,975.43 | 1/4 | 1,619.10 | 1/4 | 1,266.39 | 1/4 | 917.50 | 1/4 | 571.52 | 1/4 | 222.58 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,324.33 | 1/2 | 1,968.01 | 1/2 | 1,611.67 | 1/2 | 1,259.12 | 1/2 | 910.32 | 1/2 | 564.31 | 1/2 | 215.15 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,316.91 | 3/4 | 1,960.58 | 3/4 | 1,604.25 | 3/4 | 1,251.88 | 3/4 | 903.13 | 3/4 | 556.88 | 3/4 | 207.72 | 3/4 | | 3/4 | | 3/4 | |
| 5 | 2,309.48 | 5 | 1,953.16 | 5 | 1,596.82 | 5 | 1,244.63 | 5 | 895.94 | 5 | 549.45 | 5 | 200.30 | 5 | | 5 | | 5 | |
| 1/4 | 2,302.06 | 1/4 | 1,945.74 | 1/4 | 1,589.40 | 1/4 | 1,237.39 | 1/4 | 888.75 | 1/4 | 542.02 | 1/4 | 192.87 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,294.64 | 1/2 | 1,938.31 | 1/2 | 1,581.98 | 1/2 | 1,230.14 | 1/2 | 881.56 | 1/2 | 534.59 | 1/2 | 185.44 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,287.21 | 3/4 | 1,930.89 | 3/4 | 1,574.55 | 3/4 | 1,222.73 | 3/4 | 874.37 | 3/4 | 527.16 | 3/4 | 178.01 | 3/4 | | 3/4 | | 3/4 | |
| 6 | 2,279.79 | 6 | 1,923.47 | 6 | 1,567.13 | 6 | 1,215.32 | 6 | 867.18 | 6 | 519.73 | 6 | 170.59 | 6 | | 6 | | 6 | |
| 1/4 | 2,272.36 | 1/4 | 1,916.04 | 1/4 | 1,559.71 | 1/4 | 1,207.91 | 1/4 | 859.99 | 1/4 | 512.31 | 1/4 | 163.16 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,264.94 | 1/2 | 1,908.62 | 1/2 | 1,552.28 | 1/2 | 1,200.51 | 1/2 | 852.81 | 1/2 | 504.88 | 1/2 | 155.73 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,257.52 | 3/4 | 1,901.19 | 3/4 | 1,544.88 | 3/4 | 1,193.10 | 3/4 | 845.62 | 3/4 | 497.45 | 3/4 | 148.32 | 3/4 | | 3/4 | | 3/4 | |
| 7 | 2,250.09 | 7 | 1,893.77 | 7 | 1,537.48 | 7 | 1,185.69 | 7 | 838.43 | 7 | 490.02 | 7 | 140.91 | 7 | | 7 | | 7 | |
| 1/4 | 2,242.67 | 1/4 | 1,886.35 | 1/4 | 1,530.08 | 1/4 | 1,178.28 | 1/4 | 831.24 | 1/4 | 482.59 | 1/4 | 133.49 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,235.25 | 1/2 | 1,878.92 | 1/2 | 1,522.68 | 1/2 | 1,170.87 | 1/2 | 824.05 | 1/2 | 475.16 | 1/2 | 126.08 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,227.82 | 3/4 | 1,871.50 | 3/4 | 1,515.28 | 3/4 | 1,163.46 | 3/4 | 816.86 | 3/4 | 468.17 | 3/4 | 119.30 | 3/4 | | 3/4 | | 3/4 | |
| 8 | 2,220.40 | 8 | 1,864.08 | 8 | 1,507.88 | 8 | 1,156.06 | 8 | 809.66 | 8 | 461.19 | 8 | 112.53 | 8 | | 8 | | 8 | |
| 1/4 | 2,212.98 | 1/4 | 1,856.65 | 1/4 | 1,500.48 | 1/4 | 1,148.65 | 1/4 | 802.47 | 1/4 | 454.20 | 1/4 | 105.75 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,205.55 | 1/2 | 1,849.23 | 1/2 | 1,493.08 | 1/2 | 1,141.24 | 1/2 | 795.28 | 1/2 | 447.21 | 1/2 | 98.97 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,198.13 | 3/4 | 1,841.81 | 3/4 | 1,485.68 | 3/4 | 1,133.83 | 3/4 | 788.06 | 3/4 | 440.66 | 3/4 | 93.44 | 3/4 | | 3/4 | | 3/4 | |
| 9 | 2,190.71 | 9 | 1,834.38 | 9 | 1,478.28 | 9 | 1,126.42 | 9 | 780.84 | 9 | 434.11 | 9 | 87.91 | 9 | | 9 | | 9 | |
| 1/4 | 2,183.28 | 1/4 | 1,826.96 | 1/4 | 1,470.88 | 1/4 | 1,119.01 | 1/4 | 773.62 | 1/4 | 427.56 | 1/4 | 82.37 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,175.86 | 1/2 | 1,819.54 | 1/2 | 1,463.48 | 1/2 | 1,111.61 | 1/2 | 766.40 | 1/2 | 421.02 | 1/2 | 76.84 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,168.44 | 3/4 | 1,812.11 | 3/4 | 1,456.08 | 3/4 | 1,104.41 | 3/4 | 759.19 | 3/4 | 414.03 | 3/4 | 72.98 | 3/4 | | 3/4 | | 3/4 | |
| 10 | 2,161.01 | 10 | 1,804.69 | 10 | 1,448.68 | 10 | 1,097.21 | 10 | 751.97 | 10 | 407.04 | 10 | 69.13 | 10 | | 10 | | 10 | |
| 1/4 | 2,153.59 | 1/4 | 1,797.26 | 1/4 | 1,441.28 | 1/4 | 1,090.01 | 1/4 | 744.75 | 1/4 | 400.05 | 1/4 | 65.27 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,146.17 | 1/2 | 1,789.84 | 1/2 | 1,433.88 | 1/2 | 1,082.81 | 1/2 | 737.53 | 1/2 | 393.06 | 1/2 | 61.41 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,138.74 | 3/4 | 1,782.42 | 3/4 | 1,426.48 | 3/4 | 1,075.62 | 3/4 | 730.31 | 3/4 | 385.65 | 3/4 | 59.24 | 3/4 | | 3/4 | | 3/4 | |
| 11 | 2,131.32 | 11 | 1,774.99 | 11 | 1,419.08 | 11 | 1,068.43 | 11 | 723.10 | 11 | 378.23 | 11 | 57.06 | 11 | | 11 | | 11 | |
| 1/4 | 2,123.90 | 1/4 | 1,767.57 | 1/4 | 1,411.68 | 1/4 | 1,061.24 | 1/4 | 715.88 | 1/4 | 370.82 | 1/4 | 54.89 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,116.47 | 1/2 | 1,760.15 | 1/2 | 1,404.28 | 1/2 | 1,054.05 | 1/2 | 708.66 | 1/2 | 363.41 | 1/2 | 52.71 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,109.05 | 3/4 | 1,752.72 | 3/4 | 1,397.04 | 3/4 | 1,046.86 | 3/4 | 701.44 | 3/4 | 356.01 | 3/4 | 51.36 | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/03/2013 CL - SW
CALCULATED: 01/04/2013 CL
RECOMPUTED: 02/17/2018 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

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



BARGE "KIRBY 27783"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-00" 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 | | 0 | | 0 | 3,975.36 | 0 | 3,810.34 | 0 | 3,631.03 | 0 | 3,440.96 | 0 | 3,180.29 | 0 | 2,823.07 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,972.03 | 1/4 | 3,806.78 | 1/4 | 3,627.15 | 1/4 | 3,436.97 | 1/4 | 3,172.85 | 1/4 | 2,815.63 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,968.70 | 1/2 | 3,803.21 | 1/2 | 3,623.27 | 1/2 | 3,432.97 | 1/2 | 3,165.40 | 1/2 | 2,808.18 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,965.36 | 3/4 | 3,799.65 | 3/4 | 3,619.39 | 3/4 | 3,428.98 | 3/4 | 3,157.96 | 3/4 | 2,800.74 |
| 1 | | 1 | | 1 | | 1 | | 1 | 3,962.03 | 1 | 3,796.09 | 1 | 3,615.52 | 1 | 3,424.98 | 1 | 3,150.52 | 1 | 2,793.30 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,958.68 | 1/4 | 3,792.51 | 1/4 | 3,611.62 | 1/4 | 3,420.99 | 1/4 | 3,143.08 | 1/4 | 2,785.86 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,955.33 | 1/2 | 3,788.92 | 1/2 | 3,607.72 | 1/2 | 3,417.00 | 1/2 | 3,135.64 | 1/2 | 2,778.42 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,951.98 | 3/4 | 3,785.34 | 3/4 | 3,603.82 | 3/4 | 3,413.00 | 3/4 | 3,128.19 | 3/4 | 2,770.97 |
| 2 | | 2 | | 2 | | 2 | | 2 | 3,948.63 | 2 | 3,781.76 | 2 | 3,599.93 | 2 | 3,409.01 | 2 | 3,120.75 | 2 | 2,763.53 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,945.26 | 1/4 | 3,778.12 | 1/4 | 3,596.01 | 1/4 | 3,405.01 | 1/4 | 3,113.31 | 1/4 | 2,756.09 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,941.89 | 1/2 | 3,774.47 | 1/2 | 3,592.09 | 1/2 | 3,401.02 | 1/2 | 3,105.87 | 1/2 | 2,748.65 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,938.51 | 3/4 | 3,770.83 | 3/4 | 3,588.17 | 3/4 | 3,397.03 | 3/4 | 3,098.43 | 3/4 | 2,741.20 |
| 3 | | 3 | | 3 | | 3 | | 3 | 3,935.14 | 3 | 3,767.18 | 3 | 3,584.26 | 3 | 3,393.03 | 3 | 3,090.98 | 3 | 2,733.76 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,931.75 | 1/4 | 3,763.48 | 1/4 | 3,580.32 | 1/4 | 3,389.04 | 1/4 | 3,083.54 | 1/4 | 2,726.32 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,928.36 | 1/2 | 3,759.77 | 1/2 | 3,576.39 | 1/2 | 3,385.05 | 1/2 | 3,076.10 | 1/2 | 2,718.88 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,924.97 | 3/4 | 3,756.07 | 3/4 | 3,572.45 | 3/4 | 3,381.05 | 3/4 | 3,068.66 | 3/4 | 2,711.44 |
| 4 | | 4 | | 4 | | 4 | | 4 | 3,921.59 | 4 | 3,752.36 | 4 | 3,568.51 | 4 | 3,377.06 | 4 | 3,061.22 | 4 | 2,703.99 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,918.18 | 1/4 | 3,748.64 | 1/4 | 3,564.56 | 1/4 | 3,373.06 | 1/4 | 3,053.77 | 1/4 | 2,696.55 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,914.77 | 1/2 | 3,744.91 | 1/2 | 3,560.60 | 1/2 | 3,369.07 | 1/2 | 3,046.33 | 1/2 | 2,689.11 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,911.36 | 3/4 | 3,741.19 | 3/4 | 3,556.65 | 3/4 | 3,365.08 | 3/4 | 3,038.89 | 3/4 | 2,681.67 |
| 5 | | 5 | | 5 | | 5 | | 5 | 3,907.95 | 5 | 3,737.47 | 5 | 3,552.69 | 5 | 3,361.08 | 5 | 3,031.45 | 5 | 2,674.23 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,904.52 | 1/4 | 3,733.72 | 1/4 | 3,548.72 | 1/4 | 3,357.09 | 1/4 | 3,024.00 | 1/4 | 2,666.78 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,901.09 | 1/2 | 3,729.98 | 1/2 | 3,544.74 | 1/2 | 3,353.09 | 1/2 | 3,016.56 | 1/2 | 2,659.34 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,897.66 | 3/4 | 3,726.23 | 3/4 | 3,540.77 | 3/4 | 3,349.10 | 3/4 | 3,009.12 | 3/4 | 2,651.90 |
| 6 | | 6 | | 6 | | 6 | | 6 | 3,894.24 | 6 | 3,722.49 | 6 | 3,536.79 | 6 | 3,345.11 | 6 | 3,001.68 | 6 | 2,644.46 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,890.79 | 1/4 | 3,718.73 | 1/4 | 3,532.81 | 1/4 | 3,341.11 | 1/4 | 2,994.24 | 1/4 | 2,637.02 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,887.34 | 1/2 | 3,714.97 | 1/2 | 3,528.82 | 1/2 | 3,337.12 | 1/2 | 2,986.79 | 1/2 | 2,629.57 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,883.89 | 3/4 | 3,711.20 | 3/4 | 3,524.83 | 3/4 | 3,333.12 | 3/4 | 2,979.35 | 3/4 | 2,622.13 |
| 7 | | 7 | | 7 | | 7 | 4,044.78 | 7 | 3,880.45 | 7 | 3,707.44 | 7 | 3,520.84 | 7 | 3,329.13 | 7 | 2,971.91 | 7 | 2,614.69 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,042.42 | 1/4 | 3,876.98 | 1/4 | 3,703.66 | 1/4 | 3,516.84 | 1/4 | 3,321.69 | 1/4 | 2,964.47 | 1/4 | 2,607.25 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,040.06 | 1/2 | 3,873.51 | 1/2 | 3,699.88 | 1/2 | 3,512.85 | 1/2 | 3,314.25 | 1/2 | 2,957.03 | 1/2 | 2,599.80 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,037.70 | 3/4 | 3,870.04 | 3/4 | 3,696.09 | 3/4 | 3,508.86 | 3/4 | 3,306.80 | 3/4 | 2,949.58 | 3/4 | 2,592.36 |
| 8 | | 8 | | 8 | | 8 | 4,035.35 | 8 | 3,866.58 | 8 | 3,692.31 | 8 | 3,504.86 | 8 | 3,299.36 | 8 | 2,942.14 | 8 | 2,584.92 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,031.78 | 1/4 | 3,863.09 | 1/4 | 3,688.51 | 1/4 | 3,500.87 | 1/4 | 3,291.92 | 1/4 | 2,934.70 | 1/4 | 2,577.48 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,028.22 | 1/2 | 3,859.61 | 1/2 | 3,684.71 | 1/2 | 3,496.87 | 1/2 | 3,284.48 | 1/2 | 2,927.26 | 1/2 | 2,570.04 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,024.66 | 3/4 | 3,856.12 | 3/4 | 3,680.91 | 3/4 | 3,492.88 | 3/4 | 3,277.04 | 3/4 | 2,919.82 | 3/4 | 2,562.59 |
| 9 | | 9 | | 9 | | 9 | 4,021.10 | 9 | 3,852.63 | 9 | 3,677.11 | 9 | 3,488.89 | 9 | 3,269.59 | 9 | 2,912.37 | 9 | 2,555.15 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,017.19 | 1/4 | 3,849.13 | 1/4 | 3,673.29 | 1/4 | 3,484.89 | 1/4 | 3,262.15 | 1/4 | 2,904.93 | 1/4 | 2,547.71 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,013.28 | 1/2 | 3,845.62 | 1/2 | 3,669.47 | 1/2 | 3,480.90 | 1/2 | 3,254.71 | 1/2 | 2,897.49 | 1/2 | 2,540.27 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,009.37 | 3/4 | 3,842.12 | 3/4 | 3,665.64 | 3/4 | 3,476.91 | 3/4 | 3,247.27 | 3/4 | 2,890.05 | 3/4 | 2,532.83 |
| 10 | | 10 | | 10 | | 10 | 4,005.46 | 10 | 3,838.61 | 10 | 3,661.82 | 10 | 3,472.91 | 10 | 3,239.83 | 10 | 2,882.60 | 10 | 2,525.38 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,001.55 | 1/4 | 3,835.09 | 1/4 | 3,657.98 | 1/4 | 3,468.92 | 1/4 | 3,232.38 | 1/4 | 2,875.16 | 1/4 | 2,517.94 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,997.64 | 1/2 | 3,831.56 | 1/2 | 3,654.14 | 1/2 | 3,464.92 | 1/2 | 3,224.94 | 1/2 | 2,867.72 | 1/2 | 2,510.50 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,993.73 | 3/4 | 3,828.04 | 3/4 | 3,650.30 | 3/4 | 3,460.93 | 3/4 | 3,217.50 | 3/4 | 2,860.28 | 3/4 | 2,503.06 |
| 11 | | 11 | | 11 | | 11 | 3,989.82 | 11 | 3,824.51 | 11 | 3,646.46 | 11 | 3,456.94 | 11 | 3,210.06 | 11 | 2,852.84 | 11 | 2,495.62 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,986.21 | 1/4 | 3,820.97 | 1/4 | 3,642.61 | 1/4 | 3,452.94 | 1/4 | 3,202.62 | 1/4 | 2,845.39 | 1/4 | 2,488.17 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,982.59 | 1/2 | 3,817.43 | 1/2 | 3,638.75 | 1/2 | 3,448.95 | 1/2 | 3,195.17 | 1/2 | 2,837.95 | 1/2 | 2,480.73 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,978.98 | 3/4 | 3,813.88 | 3/4 | 3,634.89 | 3/4 | 3,444.95 | 3/4 | 3,187.73 | 3/4 | 2,830.51 | 3/4 | 2,473.29 |

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 WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 56'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 27783"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-00 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 | 2,465.85 | 0 | 2,108.63 | 0 | 1,751.40 | 0 | 1,394.81 | 0 | 1,041.01 | 0 | 684.67 | 0 | 334.62 | 0 | 47.36 | 0 | | 0 | |
| 1/4 | 2,458.41 | 1/4 | 2,101.18 | 1/4 | 1,743.96 | 1/4 | 1,387.53 | 1/4 | 1,033.59 | 1/4 | 677.22 | 1/4 | 327.21 | 1/4 | 46.83 | 1/4 | | 1/4 | |
| 1/2 | 2,450.96 | 1/2 | 2,093.74 | 1/2 | 1,736.51 | 1/2 | 1,380.25 | 1/2 | 1,026.18 | 1/2 | 669.78 | 1/2 | 319.80 | 1/2 | 46.31 | 1/2 | | 1/2 | |
| 3/4 | 2,443.52 | 3/4 | 2,086.30 | 3/4 | 1,729.07 | 3/4 | 1,372.97 | 3/4 | 1,018.77 | 3/4 | 662.34 | 3/4 | 312.38 | 3/4 | | 3/4 | | 3/4 | |
| 1 | 2,436.08 | 1 | 2,078.86 | 1 | 1,721.63 | 1 | 1,365.69 | 1 | 1,011.35 | 1 | 654.90 | 1 | 304.97 | 1 | | 1 | | 1 | |
| 1/4 | 2,428.64 | 1/4 | 2,071.42 | 1/4 | 1,714.19 | 1/4 | 1,358.41 | 1/4 | 1,003.94 | 1/4 | 647.45 | 1/4 | 297.54 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,421.19 | 1/2 | 2,063.97 | 1/2 | 1,706.75 | 1/2 | 1,351.13 | 1/2 | 996.53 | 1/2 | 640.01 | 1/2 | 290.11 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,413.75 | 3/4 | 2,056.53 | 3/4 | 1,699.30 | 3/4 | 1,343.85 | 3/4 | 989.11 | 3/4 | 632.57 | 3/4 | 282.69 | 3/4 | | 3/4 | | 3/4 | |
| 2 | 2,406.31 | 2 | 2,049.09 | 2 | 1,691.86 | 2 | 1,336.57 | 2 | 981.70 | 2 | 625.13 | 2 | 275.26 | 2 | | 2 | | 2 | |
| 1/4 | 2,398.87 | 1/4 | 2,041.65 | 1/4 | 1,684.42 | 1/4 | 1,329.29 | 1/4 | 974.28 | 1/4 | 617.68 | 1/4 | 267.82 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,391.43 | 1/2 | 2,034.21 | 1/2 | 1,676.98 | 1/2 | 1,322.01 | 1/2 | 966.87 | 1/2 | 610.24 | 1/2 | 260.38 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,383.98 | 3/4 | 2,026.76 | 3/4 | 1,669.53 | 3/4 | 1,314.73 | 3/4 | 959.46 | 3/4 | 602.80 | 3/4 | 252.93 | 3/4 | | 3/4 | | 3/4 | |
| 3 | 2,376.54 | 3 | 2,019.32 | 3 | 1,662.09 | 3 | 1,307.45 | 3 | 952.04 | 3 | 595.36 | 3 | 245.49 | 3 | | 3 | | 3 | |
| 1/4 | 2,369.10 | 1/4 | 2,011.88 | 1/4 | 1,654.65 | 1/4 | 1,300.16 | 1/4 | 944.63 | 1/4 | 587.91 | 1/4 | 238.05 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,361.66 | 1/2 | 2,004.44 | 1/2 | 1,647.21 | 1/2 | 1,292.88 | 1/2 | 937.22 | 1/2 | 580.47 | 1/2 | 230.61 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,354.22 | 3/4 | 1,996.99 | 3/4 | 1,639.76 | 3/4 | 1,285.60 | 3/4 | 929.80 | 3/4 | 573.03 | 3/4 | 223.17 | 3/4 | | 3/4 | | 3/4 | |
| 4 | 2,346.77 | 4 | 1,989.55 | 4 | 1,632.32 | 4 | 1,278.32 | 4 | 922.39 | 4 | 565.59 | 4 | 215.72 | 4 | | 4 | | 4 | |
| 1/4 | 2,339.33 | 1/4 | 1,982.11 | 1/4 | 1,624.88 | 1/4 | 1,271.04 | 1/4 | 914.97 | 1/4 | 558.14 | 1/4 | 208.28 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,331.89 | 1/2 | 1,974.67 | 1/2 | 1,617.44 | 1/2 | 1,263.76 | 1/2 | 907.56 | 1/2 | 550.70 | 1/2 | 200.84 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,324.45 | 3/4 | 1,967.23 | 3/4 | 1,609.99 | 3/4 | 1,256.48 | 3/4 | 900.15 | 3/4 | 543.26 | 3/4 | 193.40 | 3/4 | | 3/4 | | 3/4 | |
| 5 | 2,317.01 | 5 | 1,959.78 | 5 | 1,602.55 | 5 | 1,249.20 | 5 | 892.73 | 5 | 535.81 | 5 | 185.96 | 5 | | 5 | | 5 | |
| 1/4 | 2,309.56 | 1/4 | 1,952.34 | 1/4 | 1,595.11 | 1/4 | 1,241.75 | 1/4 | 885.32 | 1/4 | 528.37 | 1/4 | 178.51 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,302.12 | 1/2 | 1,944.90 | 1/2 | 1,587.67 | 1/2 | 1,234.31 | 1/2 | 877.91 | 1/2 | 520.93 | 1/2 | 171.07 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,294.68 | 3/4 | 1,937.46 | 3/4 | 1,580.22 | 3/4 | 1,226.87 | 3/4 | 870.49 | 3/4 | 513.48 | 3/4 | 163.63 | 3/4 | | 3/4 | | 3/4 | |
| 6 | 2,287.24 | 6 | 1,930.02 | 6 | 1,572.78 | 6 | 1,219.42 | 6 | 863.08 | 6 | 506.04 | 6 | 156.19 | 6 | | 6 | | 6 | |
| 1/4 | 2,279.79 | 1/4 | 1,922.57 | 1/4 | 1,565.34 | 1/4 | 1,211.98 | 1/4 | 855.66 | 1/4 | 498.60 | 1/4 | 148.76 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,272.35 | 1/2 | 1,915.13 | 1/2 | 1,557.90 | 1/2 | 1,204.54 | 1/2 | 848.25 | 1/2 | 491.15 | 1/2 | 141.33 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,264.91 | 3/4 | 1,907.69 | 3/4 | 1,550.45 | 3/4 | 1,197.10 | 3/4 | 840.84 | 3/4 | 483.71 | 3/4 | 133.91 | 3/4 | | 3/4 | | 3/4 | |
| 7 | 2,257.47 | 7 | 1,900.25 | 7 | 1,543.01 | 7 | 1,189.65 | 7 | 833.42 | 7 | 476.27 | 7 | 126.48 | 7 | | 7 | | 7 | |
| 1/4 | 2,250.03 | 1/4 | 1,892.81 | 1/4 | 1,535.57 | 1/4 | 1,182.21 | 1/4 | 826.00 | 1/4 | 469.26 | 1/4 | 119.69 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,242.58 | 1/2 | 1,885.36 | 1/2 | 1,528.13 | 1/2 | 1,174.77 | 1/2 | 818.59 | 1/2 | 462.26 | 1/2 | 112.89 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,235.14 | 3/4 | 1,877.92 | 3/4 | 1,520.69 | 3/4 | 1,167.32 | 3/4 | 811.17 | 3/4 | 455.26 | 3/4 | 106.10 | 3/4 | | 3/4 | | 3/4 | |
| 8 | 2,227.70 | 8 | 1,870.48 | 8 | 1,513.24 | 8 | 1,159.88 | 8 | 803.75 | 8 | 448.25 | 8 | 99.31 | 8 | | 8 | | 8 | |
| 1/4 | 2,220.26 | 1/4 | 1,863.04 | 1/4 | 1,505.80 | 1/4 | 1,152.44 | 1/4 | 796.31 | 1/4 | 441.69 | 1/4 | 93.76 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,212.82 | 1/2 | 1,855.59 | 1/2 | 1,498.36 | 1/2 | 1,144.99 | 1/2 | 788.86 | 1/2 | 435.13 | 1/2 | 88.21 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,205.37 | 3/4 | 1,848.15 | 3/4 | 1,490.92 | 3/4 | 1,137.55 | 3/4 | 781.42 | 3/4 | 428.56 | 3/4 | 82.66 | 3/4 | | 3/4 | | 3/4 | |
| 9 | 2,197.93 | 9 | 1,840.71 | 9 | 1,483.47 | 9 | 1,130.11 | 9 | 773.98 | 9 | 422.00 | 9 | 77.12 | 9 | | 9 | | 9 | |
| 1/4 | 2,190.49 | 1/4 | 1,833.27 | 1/4 | 1,476.03 | 1/4 | 1,122.67 | 1/4 | 766.54 | 1/4 | 415.00 | 1/4 | 73.24 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,183.05 | 1/2 | 1,825.82 | 1/2 | 1,468.59 | 1/2 | 1,115.22 | 1/2 | 759.09 | 1/2 | 407.99 | 1/2 | 69.37 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,175.61 | 3/4 | 1,818.38 | 3/4 | 1,461.15 | 3/4 | 1,107.78 | 3/4 | 751.65 | 3/4 | 400.99 | 3/4 | 65.49 | 3/4 | | 3/4 | | 3/4 | |
| 10 | 2,168.16 | 10 | 1,810.94 | 10 | 1,453.70 | 10 | 1,100.34 | 10 | 744.21 | 10 | 393.99 | 10 | 61.62 | 10 | | 10 | | 10 | |
| 1/4 | 2,160.72 | 1/4 | 1,803.50 | 1/4 | 1,446.26 | 1/4 | 1,092.92 | 1/4 | 736.76 | 1/4 | 386.56 | 1/4 | 59.42 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,153.28 | 1/2 | 1,796.05 | 1/2 | 1,438.82 | 1/2 | 1,085.50 | 1/2 | 729.32 | 1/2 | 379.13 | 1/2 | 57.23 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,145.84 | 3/4 | 1,788.61 | 3/4 | 1,431.38 | 3/4 | 1,078.08 | 3/4 | 721.88 | 3/4 | 371.70 | 3/4 | 55.04 | 3/4 | | 3/4 | | 3/4 | |
| 11 | 2,138.39 | 11 | 1,781.17 | 11 | 1,423.93 | 11 | 1,070.66 | 11 | 714.44 | 11 | 364.27 | 11 | 52.84 | 11 | | 11 | | 11 | |
| 1/4 | 2,130.95 | 1/4 | 1,773.73 | 1/4 | 1,416.65 | 1/4 | 1,063.25 | 1/4 | 706.99 | 1/4 | 356.86 | 1/4 | 51.47 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,123.51 | 1/2 | 1,766.28 | 1/2 | 1,409.37 | 1/2 | 1,055.84 | 1/2 | 699.55 | 1/2 | 349.45 | 1/2 | 50.10 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,116.07 | 3/4 | 1,758.84 | 3/4 | 1,402.09 | 3/4 | 1,048.42 | 3/4 | 692.11 | 3/4 | 342.03 | 3/4 | 48.73 | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/03/2013 CL - SW
CALCULATED: 01/04/2013 CL
RECOMPUTED: 02/17/2018 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

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



BARGE "KIRBY 27783"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|-----|-------|-----|-------|-----|-------|-----|-------|-----|--------|-----|--------|-----|--------|-----|-------|-----|-------|-----|-------|
| 0 | 0 | 0 | 2,327 | 0 | 4,653 | 0 | 6,980 | 0 | 9,306 | 0 | 11,633 | 0 | 13,959 | 0 | | 0 | | 0 | |
| 1/4 | 48 | 1/4 | 2,375 | 1/4 | 4,702 | 1/4 | 7,028 | 1/4 | 9,355 | 1/4 | 11,681 | 1/4 | 14,008 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 97 | 1/2 | 2,424 | 1/2 | 4,750 | 1/2 | 7,077 | 1/2 | 9,403 | 1/2 | 11,730 | 1/2 | 14,056 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 145 | 3/4 | 2,472 | 3/4 | 4,799 | 3/4 | 7,125 | 3/4 | 9,452 | 3/4 | 11,778 | 3/4 | 14,105 | 3/4 | | 3/4 | | 3/4 | |
| 1 | 194 | 1 | 2,520 | 1 | 4,847 | 1 | 7,174 | 1 | 9,500 | 1 | 11,827 | 1 | 14,153 | 1 | | 1 | | 1 | |
| 1/4 | 242 | 1/4 | 2,569 | 1/4 | 4,895 | 1/4 | 7,222 | 1/4 | 9,549 | 1/4 | 11,875 | 1/4 | 14,202 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 291 | 1/2 | 2,617 | 1/2 | 4,944 | 1/2 | 7,271 | 1/2 | 9,597 | 1/2 | 11,924 | 1/2 | 14,250 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 339 | 3/4 | 2,666 | 3/4 | 4,992 | 3/4 | 7,319 | 3/4 | 9,646 | 3/4 | 11,972 | 3/4 | 14,299 | 3/4 | | 3/4 | | 3/4 | |
| 2 | 388 | 2 | 2,714 | 2 | 5,041 | 2 | 7,367 | 2 | 9,694 | 2 | 12,021 | 2 | 14,347 | 2 | | 2 | | 2 | |
| 1/4 | 436 | 1/4 | 2,763 | 1/4 | 5,089 | 1/4 | 7,416 | 1/4 | 9,743 | 1/4 | 12,069 | 1/4 | 14,396 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 485 | 1/2 | 2,811 | 1/2 | 5,138 | 1/2 | 7,464 | 1/2 | 9,791 | 1/2 | 12,118 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 533 | 3/4 | 2,860 | 3/4 | 5,186 | 3/4 | 7,513 | 3/4 | 9,839 | 3/4 | 12,166 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 582 | 3 | 2,908 | 3 | 5,235 | 3 | 7,561 | 3 | 9,888 | 3 | 12,214 | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 630 | 1/4 | 2,957 | 1/4 | 5,283 | 1/4 | 7,610 | 1/4 | 9,936 | 1/4 | 12,263 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 679 | 1/2 | 3,005 | 1/2 | 5,332 | 1/2 | 7,658 | 1/2 | 9,985 | 1/2 | 12,311 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 727 | 3/4 | 3,054 | 3/4 | 5,380 | 3/4 | 7,707 | 3/4 | 10,033 | 3/4 | 12,360 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 776 | 4 | 3,102 | 4 | 5,429 | 4 | 7,755 | 4 | 10,082 | 4 | 12,408 | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 824 | 1/4 | 3,151 | 1/4 | 5,477 | 1/4 | 7,804 | 1/4 | 10,130 | 1/4 | 12,457 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 872 | 1/2 | 3,199 | 1/2 | 5,526 | 1/2 | 7,852 | 1/2 | 10,179 | 1/2 | 12,505 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 921 | 3/4 | 3,248 | 3/4 | 5,574 | 3/4 | 7,901 | 3/4 | 10,227 | 3/4 | 12,554 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 969 | 5 | 3,296 | 5 | 5,623 | 5 | 7,949 | 5 | 10,276 | 5 | 12,602 | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 1,018 | 1/4 | 3,344 | 1/4 | 5,671 | 1/4 | 7,998 | 1/4 | 10,324 | 1/4 | 12,651 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,066 | 1/2 | 3,393 | 1/2 | 5,719 | 1/2 | 8,046 | 1/2 | 10,373 | 1/2 | 12,699 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,115 | 3/4 | 3,441 | 3/4 | 5,768 | 3/4 | 8,095 | 3/4 | 10,421 | 3/4 | 12,748 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 1,163 | 6 | 3,490 | 6 | 5,816 | 6 | 8,143 | 6 | 10,470 | 6 | 12,796 | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 1,212 | 1/4 | 3,538 | 1/4 | 5,865 | 1/4 | 8,191 | 1/4 | 10,518 | 1/4 | 12,845 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,260 | 1/2 | 3,587 | 1/2 | 5,913 | 1/2 | 8,240 | 1/2 | 10,567 | 1/2 | 12,893 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,309 | 3/4 | 3,635 | 3/4 | 5,962 | 3/4 | 8,288 | 3/4 | 10,615 | 3/4 | 12,942 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 1,357 | 7 | 3,684 | 7 | 6,010 | 7 | 8,337 | 7 | 10,663 | 7 | 12,990 | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 1,406 | 1/4 | 3,732 | 1/4 | 6,059 | 1/4 | 8,385 | 1/4 | 10,712 | 1/4 | 13,038 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,454 | 1/2 | 3,781 | 1/2 | 6,107 | 1/2 | 8,434 | 1/2 | 10,760 | 1/2 | 13,087 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,503 | 3/4 | 3,829 | 3/4 | 6,156 | 3/4 | 8,482 | 3/4 | 10,809 | 3/4 | 13,135 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 1,551 | 8 | 3,878 | 8 | 6,204 | 8 | 8,531 | 8 | 10,857 | 8 | 13,184 | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 1,600 | 1/4 | 3,926 | 1/4 | 6,253 | 1/4 | 8,579 | 1/4 | 10,906 | 1/4 | 13,232 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,648 | 1/2 | 3,975 | 1/2 | 6,301 | 1/2 | 8,628 | 1/2 | 10,954 | 1/2 | 13,281 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,696 | 3/4 | 4,023 | 3/4 | 6,350 | 3/4 | 8,676 | 3/4 | 11,003 | 3/4 | 13,329 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 1,745 | 9 | 4,071 | 9 | 6,398 | 9 | 8,725 | 9 | 11,051 | 9 | 13,378 | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 1,793 | 1/4 | 4,120 | 1/4 | 6,447 | 1/4 | 8,773 | 1/4 | 11,100 | 1/4 | 13,426 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,842 | 1/2 | 4,168 | 1/2 | 6,495 | 1/2 | 8,822 | 1/2 | 11,148 | 1/2 | 13,475 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,890 | 3/4 | 4,217 | 3/4 | 6,543 | 3/4 | 8,870 | 3/4 | 11,197 | 3/4 | 13,523 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 1,939 | 10 | 4,265 | 10 | 6,592 | 10 | 8,919 | 10 | 11,245 | 10 | 13,572 | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 1,987 | 1/4 | 4,314 | 1/4 | 6,640 | 1/4 | 8,967 | 1/4 | 11,294 | 1/4 | 13,620 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,036 | 1/2 | 4,362 | 1/2 | 6,689 | 1/2 | 9,015 | 1/2 | 11,342 | 1/2 | 13,669 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,084 | 3/4 | 4,411 | 3/4 | 6,737 | 3/4 | 9,064 | 3/4 | 11,390 | 3/4 | 13,717 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 2,133 | 11 | 4,459 | 11 | 6,786 | 11 | 9,112 | 11 | 11,439 | 11 | 13,766 | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 2,181 | 1/4 | 4,508 | 1/4 | 6,834 | 1/4 | 9,161 | 1/4 | 11,487 | 1/4 | 13,814 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,230 | 1/2 | 4,556 | 1/2 | 6,883 | 1/2 | 9,209 | 1/2 | 11,536 | 1/2 | 13,862 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,278 | 3/4 | 4,605 | 3/4 | 6,931 | 3/4 | 9,258 | 3/4 | 11,584 | 3/4 | 13,911 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

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.

STRAPPED: 03/10/2023 JS
CALCULATED: 03/10/2023 CL
ISSUED: 03/10/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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