



# BARGE "KIRBY 10246"

## ULLAGE TRIM TABLE

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

(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 1 CENTER IS - 00-3/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 5/8"

LENGTH BETWEEN DRAFT MARKS: 163'-06"

July 13, 2023

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

<http://www.pmacorp.net>



# BARGE "KIRBY 10246"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

| 0 FT. |     | 1 FT. |     | 2 FT. |     | 3 FT. |          | 4 FT. |          | 5 FT. |          | 6 FT. |          | 7 FT. |          | 8 FT. |          | 9 FT. |          |     |          |
|-------|-----|-------|-----|-------|-----|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-----|----------|
| IN    | OUT | IN    | OUT | IN    | OUT | IN    | OUT      | IN    | OUT      | IN    | OUT      | IN    | OUT      | IN    | OUT      | IN    | OUT      | IN    | OUT      |     |          |
| 0     |     | 0     |     | 0     |     | 0     | 3,766.32 | 0     | 3,541.08 | 0     | 3,287.98 | 0     | 3,034.88 | 0     | 2,773.44 | 0     | 2,477.57 | 0     | 2,181.04 |     |          |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 3,765.29 | 1/4   | 3,535.81 | 1/4   | 3,282.71 | 1/4   | 3,029.61 | 1/4   | 2,767.28 | 1/4   | 2,471.39 | 1/4   | 2,174.87 |     |          |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 3,764.26 | 1/2   | 3,530.53 | 1/2   | 3,277.43 | 1/2   | 3,024.33 | 1/2   | 2,761.12 | 1/2   | 2,465.21 | 1/2   | 2,168.69 |     |          |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 3,763.22 | 3/4   | 3,525.26 | 3/4   | 3,272.16 | 3/4   | 3,019.06 | 3/4   | 2,754.96 | 3/4   | 2,459.03 | 3/4   | 2,162.51 |     |          |
| 1     |     | 1     |     | 1     |     | 1     | 3,760.12 | 1     | 3,519.99 | 1     | 3,266.89 | 1     | 3,013.79 | 1     | 2,748.81 | 1     | 2,452.86 | 1     | 2,156.33 |     |          |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 3,757.02 | 1/4   | 3,514.71 | 1/4   | 3,261.62 | 1/4   | 3,008.52 | 1/4   | 2,742.65 | 1/4   | 2,446.68 | 1/4   | 2,150.15 |     |          |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 3,753.92 | 1/2   | 3,509.44 | 1/2   | 3,256.34 | 1/2   | 3,003.24 | 1/2   | 2,736.49 | 1/2   | 2,440.50 | 1/2   | 2,143.98 |     |          |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 3,750.82 | 3/4   | 3,504.17 | 3/4   | 3,251.07 | 3/4   | 2,997.97 | 3/4   | 2,730.33 | 3/4   | 2,434.32 | 3/4   | 2,137.80 |     |          |
| 2     |     | 2     |     | 2     |     | 2     | 3,746.66 | 2     | 3,498.90 | 2     | 3,245.80 | 2     | 2,992.70 | 2     | 2,724.17 | 2     | 2,428.15 | 2     | 2,131.62 |     |          |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 3,742.51 | 1/4   | 3,493.62 | 1/4   | 3,240.52 | 1/4   | 2,987.42 | 1/4   | 2,718.01 | 1/4   | 2,421.97 | 1/4   | 2,125.44 |     |          |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 3,738.36 | 1/2   | 3,488.35 | 1/2   | 3,235.25 | 1/2   | 2,982.15 | 1/2   | 2,711.85 | 1/2   | 2,415.79 | 1/2   | 2,119.27 |     |          |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 3,734.21 | 3/4   | 3,483.08 | 3/4   | 3,229.98 | 3/4   | 2,976.88 | 3/4   | 2,705.69 | 3/4   | 2,409.61 | 3/4   | 2,113.09 |     |          |
| 3     |     | 3     |     | 3     |     | 3     | 3,729.07 | 3     | 3,477.80 | 3     | 3,224.70 | 3     | 2,971.61 | 3     | 2,699.53 | 3     | 2,403.44 | 3     | 2,106.91 |     |          |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 3,723.93 | 1/4   | 3,472.53 | 1/4   | 3,219.43 | 1/4   | 2,966.33 | 1/4   | 2,693.37 | 1/4   | 2,397.26 | 1/4   | 2,100.73 |     |          |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 3,718.79 | 1/2   | 3,467.26 | 1/2   | 3,214.16 | 1/2   | 2,961.06 | 1/2   | 2,687.22 | 1/2   | 2,391.08 | 1/2   | 2,094.56 |     |          |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 3,713.65 | 3/4   | 3,461.99 | 3/4   | 3,208.89 | 3/4   | 2,955.79 | 3/4   | 2,681.06 | 3/4   | 2,384.90 | 3/4   | 2,088.38 |     |          |
| 4     |     | 4     |     | 4     |     | 4     | 3,708.48 | 4     | 3,456.71 | 4     | 3,203.61 | 4     | 2,950.51 | 4     | 2,674.90 | 4     | 2,378.73 | 4     | 2,082.20 |     |          |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 3,703.30 | 1/4   | 3,451.44 | 1/4   | 3,198.34 | 1/4   | 2,945.24 | 1/4   | 2,668.74 | 1/4   | 2,372.55 | 1/4   | 2,076.02 |     |          |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 3,698.13 | 1/2   | 3,446.17 | 1/2   | 3,193.07 | 1/2   | 2,939.97 | 1/2   | 2,662.58 | 1/2   | 2,366.37 | 1/2   | 2,069.85 |     |          |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 3,692.96 | 3/4   | 3,440.89 | 3/4   | 3,187.79 | 3/4   | 2,934.70 | 3/4   | 2,656.42 | 3/4   | 2,360.19 | 3/4   | 2,063.67 |     |          |
| 5     |     | 5     |     | 5     |     | 5     | 3,687.77 | 5     | 3,435.62 | 5     | 3,182.52 | 5     | 2,929.42 | 5     | 2,650.26 | 5     | 2,354.02 | 5     | 2,057.49 |     |          |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 3,682.58 | 1/4   | 3,430.35 | 1/4   | 3,177.25 | 1/4   | 2,924.15 | 1/4   | 2,644.10 | 1/4   | 2,347.84 | 1/4   | 2,051.31 |     |          |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 3,677.39 | 1/2   | 3,425.08 | 1/2   | 3,171.98 | 1/2   | 2,918.88 | 1/2   | 2,637.94 | 1/2   | 2,341.66 | 1/2   | 2,045.14 |     |          |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 3,672.20 | 3/4   | 3,419.80 | 3/4   | 3,166.70 | 3/4   | 2,913.60 | 3/4   | 2,631.78 | 3/4   | 2,335.48 | 3/4   | 2,038.96 |     |          |
| 6     |     | 6     |     | 6     |     | 6     | 3,667.02 | 6     | 3,414.53 | 6     | 3,161.43 | 6     | 2,908.33 | 6     | 2,625.63 | 6     | 2,329.31 | 6     | 2,032.78 |     |          |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 3,661.83 | 1/4   | 3,409.26 | 1/4   | 3,156.16 | 1/4   | 2,903.06 | 1/4   | 2,619.47 | 1/4   | 2,323.13 | 1/4   | 2,026.60 |     |          |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 3,656.65 | 1/2   | 3,403.98 | 1/2   | 3,150.88 | 1/2   | 2,897.79 | 1/2   | 2,613.31 | 1/2   | 2,316.95 | 1/2   | 2,020.43 |     |          |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 3,651.46 | 3/4   | 3,398.71 | 3/4   | 3,145.61 | 3/4   | 2,892.51 | 3/4   | 2,607.15 | 3/4   | 2,310.77 | 3/4   | 2,014.25 |     |          |
| 7     |     | 7     |     | 7     |     | 7     | 3,646.27 | 7     | 3,393.44 | 7     | 3,140.34 | 7     | 2,887.24 | 7     | 2,600.99 | 7     | 2,304.59 | 7     | 2,008.07 |     |          |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 3,641.09 | 1/4   | 3,388.16 | 1/4   | 3,135.07 | 1/4   | 2,881.97 | 1/4   | 2,594.83 | 1/4   | 2,298.42 | 1/4   | 2,001.89 |     |          |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 3,635.90 | 1/2   | 3,382.89 | 1/2   | 3,129.79 | 1/2   | 2,876.69 | 1/2   | 2,588.67 | 1/2   | 2,292.24 | 1/2   | 1,995.71 |     |          |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 3,630.72 | 3/4   | 3,377.62 | 3/4   | 3,124.52 | 3/4   | 2,871.42 | 3/4   | 2,582.51 | 3/4   | 2,286.06 | 3/4   | 1,989.54 |     |          |
| 8     |     | 8     |     | 8     |     | 8     | 3,625.45 | 8     | 3,372.35 | 8     | 3,119.25 | 8     | 2,866.12 | 8     | 2,576.35 | 8     | 2,279.88 | 8     | 1,983.36 |     |          |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 3,620.17 | 1/4   | 3,367.07 | 1/4   | 3,113.97 | 1/4   | 2,860.82 | 1/4   | 2,570.19 | 1/4   | 2,273.71 | 1/4   | 1,977.18 |     |          |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 3,614.90 | 1/2   | 3,361.80 | 1/2   | 3,108.70 | 1/2   | 2,855.53 | 1/2   | 2,564.04 | 1/2   | 2,267.53 | 1/2   | 1,971.00 |     |          |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 3,609.63 | 3/4   | 3,356.53 | 3/4   | 3,103.43 | 3/4   | 2,850.23 | 3/4   | 2,557.88 | 3/4   | 2,261.35 | 3/4   | 1,964.83 |     |          |
| 9     |     | 9     |     | 9     |     | 9     | 3,604.35 | 9     | 3,351.25 | 9     | 3,098.16 | 9     | 2,844.93 | 9     | 2,551.70 | 9     | 2,255.17 | 9     | 1,958.65 |     |          |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 3,599.08 | 1/4   | 3,345.98 | 1/4   | 3,092.88 | 1/4   | 2,839.63 | 1/4   | 2,545.52 | 1/4   | 2,249.00 | 1/4   | 1,952.47 |     |          |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 3,593.81 | 1/2   | 3,340.71 | 1/2   | 3,087.61 | 1/2   | 2,834.34 | 1/2   | 2,539.34 | 1/2   | 2,242.82 | 1/2   | 1,946.29 |     |          |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 3,588.53 | 3/4   | 3,335.44 | 3/4   | 3,082.34 | 3/4   | 2,829.04 | 3/4   | 2,533.17 | 3/4   | 2,236.64 | 3/4   | 1,940.12 |     |          |
| 10    |     | 10    |     | 10    |     | 10    | 3,583.26 | 10    | 3,330.16 | 10    | 3,077.06 | 10    | 2,822.84 | 10    | 2,526.99 | 10    | 2,230.46 | 10    | 1,933.94 |     |          |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 3,577.99 | 1/4   | 3,324.89 | 1/4   | 3,071.79 | 1/4   | 2,816.64 | 1/4   | 2,520.81 | 1/4   | 2,224.29 | 1/4   | 1,927.76 |     |          |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 3,572.72 | 1/2   | 3,319.62 | 1/2   | 3,066.52 | 1/2   | 2,810.44 | 1/2   | 2,514.63 | 1/2   | 2,218.11 | 1/2   | 1,921.58 |     |          |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 3,567.44 | 3/4   | 3,314.34 | 3/4   | 3,061.24 | 3/4   | 2,804.24 | 3/4   | 2,508.46 | 3/4   | 2,211.93 | 3/4   | 1,915.41 |     |          |
| 11    |     | 11    |     | 11    |     | 11    | 3,562.17 | 11    | 3,309.07 | 11    | 3,055.97 | 11    | 2,798.08 | 11    | 2,502.28 | 11    | 2,205.75 | 11    | 1,909.23 |     |          |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 3,556.90 | 1/4   | 3,303.80 | 1/4   | 3,050.70 | 1/4   | 2,791.92 | 1/4   | 2,496.10 | 1/4   | 2,199.58 | 1/4   | 1,903.05 |     |          |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 3,551.62 | 1/2   | 3,298.53 | 1/2   | 3,045.43 | 1/2   | 2,785.76 | 1/2   | 2,489.92 | 1/2   | 2,193.40 | 1/2   | 1,896.87 |     |          |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 3,767.36 | 3/4   | 3,546.35 | 3/4   | 3,293.25 | 3/4   | 3,040.15 | 3/4   | 2,779.60 | 3/4   | 2,483.75 | 3/4   | 2,187.22 | 3/4 | 1,890.70 |

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 ON CENTERLINE AND 32'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 10246"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

| 10 FT. |          | 11 FT. |          | 12 FT. |          | 13 FT. |        | 14 FT. |        | 15 FT. |        | 16 FT. |        | 17 FT. |     | 18 FT. |  | 19 FT. |  |
|--------|----------|--------|----------|--------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|--------|--|--------|--|
| 0      | 1,884.52 | 0      | 1,587.75 | 0      | 1,290.81 | 0      | 993.87 | 0      | 702.98 | 0      | 405.90 | 0      | 108.80 | 0      |     | 0      |  | 0      |  |
| 1/4    | 1,878.34 | 1/4    | 1,581.56 | 1/4    | 1,284.63 | 1/4    | 987.69 | 1/4    | 696.81 | 1/4    | 399.71 | 1/4    | 102.63 | 1/4    | 1/4 | 1/4    |  | 1/4    |  |
| 1/2    | 1,872.16 | 1/2    | 1,575.38 | 1/2    | 1,278.44 | 1/2    | 981.50 | 1/2    | 690.64 | 1/2    | 393.52 | 1/2    | 96.47  | 1/2    | 1/2 | 1/2    |  | 1/2    |  |
| 3/4    | 1,865.99 | 3/4    | 1,569.19 | 3/4    | 1,272.25 | 3/4    | 975.32 | 3/4    | 684.47 | 3/4    | 387.33 | 3/4    | 90.31  | 3/4    | 3/4 | 3/4    |  | 3/4    |  |
| 1      | 1,859.81 | 1      | 1,563.01 | 1      | 1,266.07 | 1      | 969.19 | 1      | 678.28 | 1      | 381.14 | 1      | 84.18  | 1      | 1   | 1      |  | 1      |  |
| 1/4    | 1,853.63 | 1/4    | 1,556.82 | 1/4    | 1,259.88 | 1/4    | 963.07 | 1/4    | 672.09 | 1/4    | 374.95 | 1/4    | 78.04  | 1/4    | 1/4 | 1/4    |  | 1/4    |  |
| 1/2    | 1,847.45 | 1/2    | 1,550.63 | 1/2    | 1,253.70 | 1/2    | 956.95 | 1/2    | 665.90 | 1/2    | 368.76 | 1/2    | 71.91  | 1/2    | 1/2 | 1/2    |  | 1/2    |  |
| 3/4    | 1,841.27 | 3/4    | 1,544.45 | 3/4    | 1,247.51 | 3/4    | 950.82 | 3/4    | 659.71 | 3/4    | 362.57 | 3/4    | 65.78  | 3/4    | 3/4 | 3/4    |  | 3/4    |  |
| 2      | 1,835.10 | 2      | 1,538.26 | 2      | 1,241.32 | 2      | 944.76 | 2      | 653.52 | 2      | 356.38 | 2      | 59.71  | 2      | 2   | 2      |  | 2      |  |
| 1/4    | 1,828.92 | 1/4    | 1,532.07 | 1/4    | 1,235.14 | 1/4    | 938.70 | 1/4    | 647.33 | 1/4    | 350.19 | 1/4    | 53.64  | 1/4    | 1/4 | 1/4    |  | 1/4    |  |
| 1/2    | 1,822.74 | 1/2    | 1,525.89 | 1/2    | 1,228.95 | 1/2    | 932.64 | 1/2    | 641.14 | 1/2    | 344.00 | 1/2    | 47.56  | 1/2    | 1/2 | 1/2    |  | 1/2    |  |
| 3/4    | 1,816.56 | 3/4    | 1,519.70 | 3/4    | 1,222.76 | 3/4    | 926.58 | 3/4    | 634.95 | 3/4    | 337.81 | 3/4    | 41.49  | 3/4    | 3/4 | 3/4    |  | 3/4    |  |
| 3      | 1,810.38 | 3      | 1,513.52 | 3      | 1,216.58 | 3      | 920.52 | 3      | 628.76 | 3      | 331.62 | 3      | 36.33  | 3      | 3   | 3      |  | 3      |  |
| 1/4    | 1,804.19 | 1/4    | 1,507.33 | 1/4    | 1,210.39 | 1/4    | 914.46 | 1/4    | 622.57 | 1/4    | 325.43 | 1/4    | 31.17  | 1/4    | 1/4 | 1/4    |  | 1/4    |  |
| 1/2    | 1,798.01 | 1/2    | 1,501.14 | 1/2    | 1,204.21 | 1/2    | 908.40 | 1/2    | 616.38 | 1/2    | 319.23 | 1/2    | 26.01  | 1/2    | 1/2 | 1/2    |  | 1/2    |  |
| 3/4    | 1,791.82 | 3/4    | 1,494.96 | 3/4    | 1,198.02 | 3/4    | 902.34 | 3/4    | 610.19 | 3/4    | 313.04 | 3/4    | 20.85  | 3/4    | 3/4 | 3/4    |  | 3/4    |  |
| 4      | 1,785.63 | 4      | 1,488.77 | 4      | 1,191.83 | 4      | 896.30 | 4      | 604.00 | 4      | 306.85 | 4      | 17.75  | 4      | 4   | 4      |  | 4      |  |
| 1/4    | 1,779.45 | 1/4    | 1,482.58 | 1/4    | 1,185.65 | 1/4    | 890.26 | 1/4    | 597.81 | 1/4    | 300.66 | 1/4    | 14.65  | 1/4    | 1/4 | 1/4    |  | 1/4    |  |
| 1/2    | 1,773.26 | 1/2    | 1,476.40 | 1/2    | 1,179.46 | 1/2    | 884.21 | 1/2    | 591.62 | 1/2    | 294.47 | 1/2    | 11.55  | 1/2    | 1/2 | 1/2    |  | 1/2    |  |
| 3/4    | 1,767.08 | 3/4    | 1,470.21 | 3/4    | 1,173.27 | 3/4    | 878.17 | 3/4    | 585.43 | 3/4    | 288.28 | 3/4    | 8.45   | 3/4    | 3/4 | 3/4    |  | 3/4    |  |
| 5      | 1,760.89 | 5      | 1,464.03 | 5      | 1,167.09 | 5      | 872.14 | 5      | 579.24 | 5      | 282.09 | 5      | 7.41   | 5      | 5   | 5      |  | 5      |  |
| 1/4    | 1,754.70 | 1/4    | 1,457.84 | 1/4    | 1,160.90 | 1/4    | 866.12 | 1/4    | 573.05 | 1/4    | 275.90 | 1/4    | 6.38   | 1/4    | 1/4 | 1/4    |  | 1/4    |  |
| 1/2    | 1,748.52 | 1/2    | 1,451.65 | 1/2    | 1,154.72 | 1/2    | 860.09 | 1/2    | 566.85 | 1/2    | 269.71 | 1/2    | 5.35   | 1/2    | 1/2 | 1/2    |  | 1/2    |  |
| 3/4    | 1,742.33 | 3/4    | 1,445.47 | 3/4    | 1,148.53 | 3/4    | 854.06 | 3/4    | 560.66 | 3/4    | 263.52 | 3/4    | 4.31   | 3/4    | 3/4 | 3/4    |  | 3/4    |  |
| 6      | 1,736.15 | 6      | 1,439.28 | 6      | 1,142.34 | 6      | 848.04 | 6      | 554.47 | 6      | 257.33 | 6      |        | 6      | 6   | 6      |  | 6      |  |
| 1/4    | 1,729.96 | 1/4    | 1,433.09 | 1/4    | 1,136.16 | 1/4    | 842.01 | 1/4    | 548.28 | 1/4    | 251.14 | 1/4    |        | 1/4    | 1/4 | 1/4    |  | 1/4    |  |
| 1/2    | 1,723.78 | 1/2    | 1,426.91 | 1/2    | 1,129.97 | 1/2    | 835.98 | 1/2    | 542.09 | 1/2    | 244.95 | 1/2    |        | 1/2    | 1/2 | 1/2    |  | 1/2    |  |
| 3/4    | 1,717.59 | 3/4    | 1,420.72 | 3/4    | 1,123.78 | 3/4    | 829.95 | 3/4    | 535.90 | 3/4    | 238.76 | 3/4    |        | 3/4    | 3/4 | 3/4    |  | 3/4    |  |
| 7      | 1,711.41 | 7      | 1,414.54 | 7      | 1,117.60 | 7      | 823.93 | 7      | 529.71 | 7      | 232.57 | 7      |        | 7      | 7   | 7      |  | 7      |  |
| 1/4    | 1,705.23 | 1/4    | 1,408.35 | 1/4    | 1,111.41 | 1/4    | 817.90 | 1/4    | 523.52 | 1/4    | 226.38 | 1/4    |        | 1/4    | 1/4 | 1/4    |  | 1/4    |  |
| 1/2    | 1,699.05 | 1/2    | 1,402.16 | 1/2    | 1,105.23 | 1/2    | 811.87 | 1/2    | 517.33 | 1/2    | 220.19 | 1/2    |        | 1/2    | 1/2 | 1/2    |  | 1/2    |  |
| 3/4    | 1,692.86 | 3/4    | 1,395.98 | 3/4    | 1,099.04 | 3/4    | 805.85 | 3/4    | 511.14 | 3/4    | 214.00 | 3/4    |        | 3/4    | 3/4 | 3/4    |  | 3/4    |  |
| 8      | 1,686.68 | 8      | 1,389.79 | 8      | 1,092.85 | 8      | 799.82 | 8      | 504.95 | 8      | 207.81 | 8      |        | 8      | 8   | 8      |  | 8      |  |
| 1/4    | 1,680.50 | 1/4    | 1,383.61 | 1/4    | 1,086.67 | 1/4    | 793.79 | 1/4    | 498.76 | 1/4    | 201.62 | 1/4    |        | 1/4    | 1/4 | 1/4    |  | 1/4    |  |
| 1/2    | 1,674.31 | 1/2    | 1,377.42 | 1/2    | 1,080.48 | 1/2    | 787.76 | 1/2    | 492.57 | 1/2    | 195.42 | 1/2    |        | 1/2    | 1/2 | 1/2    |  | 1/2    |  |
| 3/4    | 1,668.13 | 3/4    | 1,371.23 | 3/4    | 1,074.30 | 3/4    | 781.74 | 3/4    | 486.38 | 3/4    | 189.23 | 3/4    |        | 3/4    | 3/4 | 3/4    |  | 3/4    |  |
| 9      | 1,661.95 | 9      | 1,365.05 | 9      | 1,068.11 | 9      | 775.71 | 9      | 480.19 | 9      | 183.04 | 9      |        | 9      | 9   | 9      |  | 9      |  |
| 1/4    | 1,655.77 | 1/4    | 1,358.86 | 1/4    | 1,061.92 | 1/4    | 769.68 | 1/4    | 474.00 | 1/4    | 176.85 | 1/4    |        | 1/4    | 1/4 | 1/4    |  | 1/4    |  |
| 1/2    | 1,649.58 | 1/2    | 1,352.67 | 1/2    | 1,055.74 | 1/2    | 763.66 | 1/2    | 467.81 | 1/2    | 170.66 | 1/2    |        | 1/2    | 1/2 | 1/2    |  | 1/2    |  |
| 3/4    | 1,643.40 | 3/4    | 1,346.49 | 3/4    | 1,049.55 | 3/4    | 757.63 | 3/4    | 461.62 | 3/4    | 164.47 | 3/4    |        | 3/4    | 3/4 | 3/4    |  | 3/4    |  |
| 10     | 1,637.22 | 10     | 1,340.30 | 10     | 1,043.36 | 10     | 751.60 | 10     | 455.43 | 10     | 158.28 | 10     |        | 10     | 10  | 10     |  | 10     |  |
| 1/4    | 1,631.03 | 1/4    | 1,334.12 | 1/4    | 1,037.18 | 1/4    | 745.57 | 1/4    | 449.24 | 1/4    | 152.08 | 1/4    |        | 1/4    | 1/4 | 1/4    |  | 1/4    |  |
| 1/2    | 1,624.85 | 1/2    | 1,327.93 | 1/2    | 1,030.99 | 1/2    | 739.55 | 1/2    | 443.04 | 1/2    | 145.89 | 1/2    |        | 1/2    | 1/2 | 1/2    |  | 1/2    |  |
| 3/4    | 1,618.67 | 3/4    | 1,321.74 | 3/4    | 1,024.81 | 3/4    | 733.52 | 3/4    | 436.85 | 3/4    | 139.69 | 3/4    |        | 3/4    | 3/4 | 3/4    |  | 3/4    |  |
| 11     | 1,612.48 | 11     | 1,315.56 | 11     | 1,018.62 | 11     | 727.43 | 11     | 430.66 | 11     | 133.51 | 11     |        | 11     | 11  | 11     |  | 11     |  |
| 1/4    | 1,606.30 | 1/4    | 1,309.37 | 1/4    | 1,012.43 | 1/4    | 721.34 | 1/4    | 424.47 | 1/4    | 127.32 | 1/4    |        | 1/4    | 1/4 | 1/4    |  | 1/4    |  |
| 1/2    | 1,600.12 | 1/2    | 1,303.18 | 1/2    | 1,006.25 | 1/2    | 715.25 | 1/2    | 418.28 | 1/2    | 121.14 | 1/2    |        | 1/2    | 1/2 | 1/2    |  | 1/2    |  |
| 3/4    | 1,593.94 | 3/4    | 1,297.00 | 3/4    | 1,000.06 | 3/4    | 709.16 | 3/4    | 412.09 | 3/4    | 114.96 | 3/4    |        | 3/4    | 3/4 | 3/4    |  | 3/4    |  |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/29/2013 CL - SW  
CALCULATED: 05/29/2013 CL  
VERIFIED: 07/13/2023

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2023

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



# BARGE "KIRBY 10246"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

| 0 FT. |     | 1 FT. |     | 2 FT. |     | 3 FT. |          | 4 FT. |          | 5 FT. |          | 6 FT. |          | 7 FT. |          | 8 FT. |          | 9 FT. |          |     |          |
|-------|-----|-------|-----|-------|-----|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-----|----------|
| IN    | OUT | IN    | OUT | IN    | OUT | IN    | OUT      | IN    | OUT      | IN    | OUT      | IN    | OUT      | IN    | OUT      | IN    | OUT      | IN    | OUT      |     |          |
| 0     |     | 0     |     | 0     |     | 0     | 3,480.88 | 0     | 3,249.27 | 0     | 2,986.93 | 0     | 2,724.59 | 0     | 2,461.75 | 0     | 2,198.00 | 0     | 1,934.25 |     |          |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 3,479.96 | 1/4   | 3,243.80 | 1/4   | 2,981.46 | 1/4   | 2,719.12 | 1/4   | 2,456.26 | 1/4   | 2,192.51 | 1/4   | 1,928.76 |     |          |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 3,479.04 | 1/2   | 3,238.34 | 1/2   | 2,976.00 | 1/2   | 2,713.66 | 1/2   | 2,450.76 | 1/2   | 2,187.01 | 1/2   | 1,923.26 |     |          |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 3,478.13 | 3/4   | 3,232.87 | 3/4   | 2,970.53 | 3/4   | 2,708.19 | 3/4   | 2,445.27 | 3/4   | 2,181.52 | 3/4   | 1,917.77 |     |          |
| 1     |     | 1     |     | 1     |     | 1     | 3,475.38 | 1     | 3,227.41 | 1     | 2,965.07 | 1     | 2,702.73 | 1     | 2,439.77 | 1     | 2,176.02 | 1     | 1,912.27 |     |          |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 3,472.63 | 1/4   | 3,221.94 | 1/4   | 2,959.60 | 1/4   | 2,697.26 | 1/4   | 2,434.28 | 1/4   | 2,170.53 | 1/4   | 1,906.78 |     |          |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 3,469.88 | 1/2   | 3,216.48 | 1/2   | 2,954.14 | 1/2   | 2,691.80 | 1/2   | 2,428.78 | 1/2   | 2,165.03 | 1/2   | 1,901.28 |     |          |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 3,467.13 | 3/4   | 3,211.01 | 3/4   | 2,948.67 | 3/4   | 2,686.33 | 3/4   | 2,423.29 | 3/4   | 2,159.54 | 3/4   | 1,895.79 |     |          |
| 2     |     | 2     |     | 2     |     | 2     | 3,462.68 | 2     | 3,205.54 | 2     | 2,943.21 | 2     | 2,680.87 | 2     | 2,417.79 | 2     | 2,154.04 | 2     | 1,890.29 |     |          |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 3,458.23 | 1/4   | 3,200.08 | 1/4   | 2,937.74 | 1/4   | 2,675.40 | 1/4   | 2,412.30 | 1/4   | 2,148.55 | 1/4   | 1,884.80 |     |          |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 3,453.78 | 1/2   | 3,194.61 | 1/2   | 2,932.27 | 1/2   | 2,669.94 | 1/2   | 2,406.80 | 1/2   | 2,143.05 | 1/2   | 1,879.30 |     |          |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 3,449.32 | 3/4   | 3,189.15 | 3/4   | 2,926.81 | 3/4   | 2,664.47 | 3/4   | 2,401.31 | 3/4   | 2,137.56 | 3/4   | 1,873.81 |     |          |
| 3     |     | 3     |     | 3     |     | 3     | 3,444.00 | 3     | 3,183.68 | 3     | 2,921.34 | 3     | 2,659.00 | 3     | 2,395.81 | 3     | 2,132.06 | 3     | 1,868.31 |     |          |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 3,438.67 | 1/4   | 3,178.22 | 1/4   | 2,915.88 | 1/4   | 2,653.54 | 1/4   | 2,390.32 | 1/4   | 2,126.57 | 1/4   | 1,862.82 |     |          |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 3,433.35 | 1/2   | 3,172.75 | 1/2   | 2,910.41 | 1/2   | 2,648.07 | 1/2   | 2,384.82 | 1/2   | 2,121.07 | 1/2   | 1,857.32 |     |          |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 3,428.02 | 3/4   | 3,167.29 | 3/4   | 2,904.95 | 3/4   | 2,642.61 | 3/4   | 2,379.33 | 3/4   | 2,115.58 | 3/4   | 1,851.83 |     |          |
| 4     |     | 4     |     | 4     |     | 4     | 3,422.66 | 4     | 3,161.82 | 4     | 2,899.48 | 4     | 2,637.14 | 4     | 2,373.83 | 4     | 2,110.08 | 4     | 1,846.33 |     |          |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 3,417.31 | 1/4   | 3,156.36 | 1/4   | 2,894.02 | 1/4   | 2,631.68 | 1/4   | 2,368.34 | 1/4   | 2,104.59 | 1/4   | 1,840.84 |     |          |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 3,411.95 | 1/2   | 3,150.89 | 1/2   | 2,888.55 | 1/2   | 2,626.21 | 1/2   | 2,362.84 | 1/2   | 2,099.09 | 1/2   | 1,835.34 |     |          |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 3,406.59 | 3/4   | 3,145.43 | 3/4   | 2,883.09 | 3/4   | 2,620.75 | 3/4   | 2,357.35 | 3/4   | 2,093.60 | 3/4   | 1,829.85 |     |          |
| 5     |     | 5     |     | 5     |     | 5     | 3,401.22 | 5     | 3,139.96 | 5     | 2,877.62 | 5     | 2,615.28 | 5     | 2,351.85 | 5     | 2,088.10 | 5     | 1,824.35 |     |          |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 3,395.85 | 1/4   | 3,134.49 | 1/4   | 2,872.16 | 1/4   | 2,609.82 | 1/4   | 2,346.36 | 1/4   | 2,082.61 | 1/4   | 1,818.86 |     |          |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 3,390.48 | 1/2   | 3,129.03 | 1/2   | 2,866.69 | 1/2   | 2,604.35 | 1/2   | 2,340.87 | 1/2   | 2,077.11 | 1/2   | 1,813.36 |     |          |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 3,385.12 | 3/4   | 3,123.56 | 3/4   | 2,861.22 | 3/4   | 2,598.89 | 3/4   | 2,335.37 | 3/4   | 2,071.62 | 3/4   | 1,807.87 |     |          |
| 6     |     | 6     |     | 6     |     | 6     | 3,379.75 | 6     | 3,118.10 | 6     | 2,855.76 | 6     | 2,593.42 | 6     | 2,329.88 | 6     | 2,066.13 | 6     | 1,802.37 |     |          |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 3,374.38 | 1/4   | 3,112.63 | 1/4   | 2,850.29 | 1/4   | 2,587.95 | 1/4   | 2,324.38 | 1/4   | 2,060.63 | 1/4   | 1,796.88 |     |          |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 3,369.01 | 1/2   | 3,107.17 | 1/2   | 2,844.83 | 1/2   | 2,582.49 | 1/2   | 2,318.89 | 1/2   | 2,055.14 | 1/2   | 1,791.39 |     |          |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 3,363.65 | 3/4   | 3,101.70 | 3/4   | 2,839.36 | 3/4   | 2,577.02 | 3/4   | 2,313.39 | 3/4   | 2,049.64 | 3/4   | 1,785.89 |     |          |
| 7     |     | 7     |     | 7     |     | 7     | 3,358.28 | 7     | 3,096.24 | 7     | 2,833.90 | 7     | 2,571.56 | 7     | 2,307.90 | 7     | 2,044.15 | 7     | 1,780.40 |     |          |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 3,352.91 | 1/4   | 3,090.77 | 1/4   | 2,828.43 | 1/4   | 2,566.09 | 1/4   | 2,302.40 | 1/4   | 2,038.65 | 1/4   | 1,774.90 |     |          |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 3,347.55 | 1/2   | 3,085.31 | 1/2   | 2,822.97 | 1/2   | 2,560.63 | 1/2   | 2,296.91 | 1/2   | 2,033.16 | 1/2   | 1,769.41 |     |          |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 3,342.18 | 3/4   | 3,079.84 | 3/4   | 2,817.50 | 3/4   | 2,555.16 | 3/4   | 2,291.41 | 3/4   | 2,027.66 | 3/4   | 1,763.91 |     |          |
| 8     |     | 8     |     | 8     |     | 8     | 3,336.71 | 8     | 3,074.38 | 8     | 2,812.04 | 8     | 2,549.67 | 8     | 2,285.92 | 8     | 2,022.17 | 8     | 1,758.42 |     |          |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 3,331.25 | 1/4   | 3,068.91 | 1/4   | 2,806.57 | 1/4   | 2,544.17 | 1/4   | 2,280.42 | 1/4   | 2,016.67 | 1/4   | 1,752.92 |     |          |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 3,325.78 | 1/2   | 3,063.44 | 1/2   | 2,801.11 | 1/2   | 2,538.68 | 1/2   | 2,274.93 | 1/2   | 2,011.18 | 1/2   | 1,747.43 |     |          |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 3,320.32 | 3/4   | 3,057.98 | 3/4   | 2,795.64 | 3/4   | 2,533.18 | 3/4   | 2,269.43 | 3/4   | 2,005.68 | 3/4   | 1,741.93 |     |          |
| 9     |     | 9     |     | 9     |     | 9     | 3,314.85 | 9     | 3,052.51 | 9     | 2,790.17 | 9     | 2,527.69 | 9     | 2,263.94 | 9     | 2,000.19 | 9     | 1,736.44 |     |          |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 3,309.39 | 1/4   | 3,047.05 | 1/4   | 2,784.71 | 1/4   | 2,522.19 | 1/4   | 2,258.44 | 1/4   | 1,994.69 | 1/4   | 1,730.94 |     |          |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 3,303.92 | 1/2   | 3,041.58 | 1/2   | 2,779.24 | 1/2   | 2,516.70 | 1/2   | 2,252.95 | 1/2   | 1,989.20 | 1/2   | 1,725.45 |     |          |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 3,298.46 | 3/4   | 3,036.12 | 3/4   | 2,773.78 | 3/4   | 2,511.20 | 3/4   | 2,247.45 | 3/4   | 1,983.70 | 3/4   | 1,719.95 |     |          |
| 10    |     | 10    |     | 10    |     | 10    | 3,292.99 | 10    | 3,030.65 | 10    | 2,768.31 | 10    | 2,505.71 | 10    | 2,241.96 | 10    | 1,978.21 | 10    | 1,714.46 |     |          |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 3,287.53 | 1/4   | 3,025.19 | 1/4   | 2,762.85 | 1/4   | 2,500.21 | 1/4   | 2,236.46 | 1/4   | 1,972.71 | 1/4   | 1,708.96 |     |          |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 3,282.06 | 1/2   | 3,019.72 | 1/2   | 2,757.38 | 1/2   | 2,494.72 | 1/2   | 2,230.97 | 1/2   | 1,967.22 | 1/2   | 1,703.47 |     |          |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 3,276.60 | 3/4   | 3,014.26 | 3/4   | 2,751.92 | 3/4   | 2,489.22 | 3/4   | 2,225.47 | 3/4   | 1,961.72 | 3/4   | 1,697.97 |     |          |
| 11    |     | 11    |     | 11    |     | 11    | 3,271.13 | 11    | 3,008.79 | 11    | 2,746.45 | 11    | 2,483.73 | 11    | 2,219.98 | 11    | 1,956.23 | 11    | 1,692.48 |     |          |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 3,265.66 | 1/4   | 3,003.33 | 1/4   | 2,740.99 | 1/4   | 2,478.24 | 1/4   | 2,214.48 | 1/4   | 1,950.73 | 1/4   | 1,686.98 |     |          |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 3,260.20 | 1/2   | 2,997.86 | 1/2   | 2,735.52 | 1/2   | 2,472.74 | 1/2   | 2,208.99 | 1/2   | 1,945.24 | 1/2   | 1,681.49 |     |          |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 3,481.79 | 3/4   | 3,254.73 | 3/4   | 2,992.39 | 3/4   | 2,730.06 | 3/4   | 2,467.25 | 3/4   | 2,203.50 | 3/4   | 1,939.74 | 3/4 | 1,675.99 |

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 ON CENTERLINE AND 27'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "KIRBY 10246"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

| IN  | 10 FT.   | IN  | 11 FT.   | IN  | 12 FT.   | IN  | 13 FT. | IN  | 14 FT. | IN  | 15 FT. | IN  | 16 FT. | IN  | 17 FT. | IN  | 18 FT. | IN  | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0   | 1,670.50 | 0   | 1,406.75 | 0   | 1,142.83 | 0   | 880.87 | 0   | 620.96 | 0   | 357.07 | 0   | 93.30  | 0   |        | 0   |        | 0   |        |
| 1/4 | 1,665.00 | 1/4 | 1,401.25 | 1/4 | 1,137.33 | 1/4 | 875.46 | 1/4 | 615.46 | 1/4 | 351.57 | 1/4 | 87.83  | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,659.51 | 1/2 | 1,395.75 | 1/2 | 1,131.84 | 1/2 | 870.04 | 1/2 | 609.96 | 1/2 | 346.07 | 1/2 | 82.37  | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,654.02 | 3/4 | 1,390.25 | 3/4 | 1,126.34 | 3/4 | 864.63 | 3/4 | 604.47 | 3/4 | 340.57 | 3/4 | 76.91  | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 1   | 1,648.52 | 1   | 1,384.75 | 1   | 1,120.84 | 1   | 859.22 | 1   | 598.97 | 1   | 335.07 | 1   | 71.47  | 1   | 1      | 1   | 1      | 1   | 1      |
| 1/4 | 1,643.03 | 1/4 | 1,379.25 | 1/4 | 1,115.34 | 1/4 | 853.80 | 1/4 | 593.47 | 1/4 | 329.58 | 1/4 | 66.04  | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,637.53 | 1/2 | 1,373.76 | 1/2 | 1,109.84 | 1/2 | 848.39 | 1/2 | 587.97 | 1/2 | 324.08 | 1/2 | 60.60  | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,632.04 | 3/4 | 1,368.26 | 3/4 | 1,104.34 | 3/4 | 842.98 | 3/4 | 582.48 | 3/4 | 318.58 | 3/4 | 55.17  | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 2   | 1,626.54 | 2   | 1,362.76 | 2   | 1,098.85 | 2   | 837.57 | 2   | 576.98 | 2   | 313.08 | 2   | 49.79  | 2   | 2      | 2   | 2      | 2   | 2      |
| 1/4 | 1,621.05 | 1/4 | 1,357.26 | 1/4 | 1,093.35 | 1/4 | 832.15 | 1/4 | 571.48 | 1/4 | 307.59 | 1/4 | 44.40  | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,615.55 | 1/2 | 1,351.76 | 1/2 | 1,087.85 | 1/2 | 826.74 | 1/2 | 565.98 | 1/2 | 302.09 | 1/2 | 39.02  | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,610.06 | 3/4 | 1,346.27 | 3/4 | 1,082.35 | 3/4 | 821.33 | 3/4 | 560.48 | 3/4 | 296.59 | 3/4 | 33.63  | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 3   | 1,604.56 | 3   | 1,340.77 | 3   | 1,076.85 | 3   | 815.92 | 3   | 554.99 | 3   | 291.09 | 3   | 29.06  | 3   | 3      | 3   | 3      | 3   | 3      |
| 1/4 | 1,599.07 | 1/4 | 1,335.27 | 1/4 | 1,071.36 | 1/4 | 810.51 | 1/4 | 549.49 | 1/4 | 285.59 | 1/4 | 24.49  | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,593.57 | 1/2 | 1,329.77 | 1/2 | 1,065.86 | 1/2 | 805.10 | 1/2 | 543.99 | 1/2 | 280.10 | 1/2 | 19.91  | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,588.08 | 3/4 | 1,324.27 | 3/4 | 1,060.36 | 3/4 | 799.69 | 3/4 | 538.49 | 3/4 | 274.60 | 3/4 | 15.34  | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 4   | 1,582.58 | 4   | 1,318.77 | 4   | 1,054.86 | 4   | 794.29 | 4   | 532.99 | 4   | 269.10 | 4   | 12.59  | 4   | 4      | 4   | 4      | 4   | 4      |
| 1/4 | 1,577.09 | 1/4 | 1,313.28 | 1/4 | 1,049.36 | 1/4 | 788.88 | 1/4 | 527.50 | 1/4 | 263.60 | 1/4 | 9.84   | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,571.59 | 1/2 | 1,307.78 | 1/2 | 1,043.86 | 1/2 | 783.47 | 1/2 | 522.00 | 1/2 | 258.10 | 1/2 | 7.09   | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,566.10 | 3/4 | 1,302.28 | 3/4 | 1,038.37 | 3/4 | 778.06 | 3/4 | 516.50 | 3/4 | 252.61 | 3/4 | 4.34   | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 5   | 1,560.60 | 5   | 1,296.78 | 5   | 1,032.87 | 5   | 772.65 | 5   | 511.00 | 5   | 247.11 | 5   | 3.43   | 5   | 5      | 5   | 5      | 5   | 5      |
| 1/4 | 1,555.11 | 1/4 | 1,291.28 | 1/4 | 1,027.37 | 1/4 | 767.25 | 1/4 | 505.51 | 1/4 | 241.61 | 1/4 | 2.51   | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,549.61 | 1/2 | 1,285.79 | 1/2 | 1,021.87 | 1/2 | 761.84 | 1/2 | 500.01 | 1/2 | 236.11 | 1/2 | 1.60   | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,544.12 | 3/4 | 1,280.29 | 3/4 | 1,016.37 | 3/4 | 756.43 | 3/4 | 494.51 | 3/4 | 230.62 | 3/4 | 0.68   | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 6   | 1,538.62 | 6   | 1,274.79 | 6   | 1,010.92 | 6   | 751.02 | 6   | 489.01 | 6   | 225.12 | 6   |        | 6   | 6      | 6   | 6      | 6   | 6      |
| 1/4 | 1,533.13 | 1/4 | 1,269.29 | 1/4 | 1,005.46 | 1/4 | 745.61 | 1/4 | 483.51 | 1/4 | 219.62 | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,527.63 | 1/2 | 1,263.79 | 1/2 | 1,000.00 | 1/2 | 740.21 | 1/2 | 478.02 | 1/2 | 214.12 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,522.14 | 3/4 | 1,258.29 | 3/4 | 994.55   | 3/4 | 734.80 | 3/4 | 472.52 | 3/4 | 208.62 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 7   | 1,516.65 | 7   | 1,252.80 | 7   | 989.13   | 7   | 729.39 | 7   | 467.02 | 7   | 203.13 | 7   |        | 7   | 7      | 7   | 7      | 7   | 7      |
| 1/4 | 1,511.15 | 1/4 | 1,247.30 | 1/4 | 983.72   | 1/4 | 723.98 | 1/4 | 461.52 | 1/4 | 197.63 | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,505.66 | 1/2 | 1,241.80 | 1/2 | 978.31   | 1/2 | 718.58 | 1/2 | 456.03 | 1/2 | 192.13 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,500.16 | 3/4 | 1,236.30 | 3/4 | 972.90   | 3/4 | 713.17 | 3/4 | 450.53 | 3/4 | 186.63 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 8   | 1,494.67 | 8   | 1,230.80 | 8   | 967.48   | 8   | 707.76 | 8   | 445.03 | 8   | 181.14 | 8   |        | 8   | 8      | 8   | 8      | 8   | 8      |
| 1/4 | 1,489.17 | 1/4 | 1,225.31 | 1/4 | 962.07   | 1/4 | 702.35 | 1/4 | 439.53 | 1/4 | 175.64 | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,483.68 | 1/2 | 1,219.81 | 1/2 | 956.66   | 1/2 | 696.94 | 1/2 | 434.03 | 1/2 | 170.14 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,478.18 | 3/4 | 1,214.31 | 3/4 | 951.24   | 3/4 | 691.54 | 3/4 | 428.54 | 3/4 | 164.64 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 9   | 1,472.69 | 9   | 1,208.81 | 9   | 945.83   | 9   | 686.13 | 9   | 423.04 | 9   | 159.15 | 9   |        | 9   | 9      | 9   | 9      | 9   | 9      |
| 1/4 | 1,467.19 | 1/4 | 1,203.31 | 1/4 | 940.42   | 1/4 | 680.72 | 1/4 | 417.54 | 1/4 | 153.65 | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,461.70 | 1/2 | 1,197.81 | 1/2 | 935.00   | 1/2 | 675.31 | 1/2 | 412.04 | 1/2 | 148.15 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,456.20 | 3/4 | 1,192.32 | 3/4 | 929.59   | 3/4 | 669.90 | 3/4 | 406.55 | 3/4 | 142.65 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 10  | 1,450.71 | 10  | 1,186.82 | 10  | 924.18   | 10  | 664.50 | 10  | 401.05 | 10  | 137.16 | 10  |        | 10  | 10     | 10  | 10     | 10  | 10     |
| 1/4 | 1,445.21 | 1/4 | 1,181.32 | 1/4 | 918.76   | 1/4 | 659.09 | 1/4 | 395.55 | 1/4 | 131.67 | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,439.72 | 1/2 | 1,175.82 | 1/2 | 913.35   | 1/2 | 653.68 | 1/2 | 390.05 | 1/2 | 126.18 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,434.22 | 3/4 | 1,170.32 | 3/4 | 907.94   | 3/4 | 648.28 | 3/4 | 384.55 | 3/4 | 120.68 | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 11  | 1,428.73 | 11  | 1,164.82 | 11  | 902.52   | 11  | 642.82 | 11  | 379.06 | 11  | 115.20 | 11  |        | 11  | 11     | 11  | 11     | 11  | 11     |
| 1/4 | 1,423.23 | 1/4 | 1,159.33 | 1/4 | 897.11   | 1/4 | 637.37 | 1/4 | 373.56 | 1/4 | 109.72 | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 1,417.74 | 1/2 | 1,153.83 | 1/2 | 891.70   | 1/2 | 631.91 | 1/2 | 368.06 | 1/2 | 104.24 | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 1,412.24 | 3/4 | 1,148.33 | 3/4 | 886.28   | 3/4 | 626.46 | 3/4 | 362.56 | 3/4 | 98.76  | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/29/2013 CL - SW  
CALCULATED: 05/29/2013 CL  
VERIFIED: 07/13/2023

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2023

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



# BARGE "KIRBY 10246"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/2"

| 0 FT. |     | 1 FT. |     | 2 FT. |     | 3 FT. |     | 4 FT. |          | 5 FT. |          | 6 FT. |          | 7 FT. |          | 8 FT. |          | 9 FT. |          |     |          |
|-------|-----|-------|-----|-------|-----|-------|-----|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-----|----------|
| IN    | OUT | IN    | OUT | IN    | OUT | IN    | OUT | IN    | OUT      | IN    | OUT      | IN    | OUT      | IN    | OUT      | IN    | OUT      | IN    | OUT      |     |          |
| 0     |     | 0     |     | 0     |     | 0     |     | 0     | 3,238.69 | 0     | 2,978.87 | 0     | 2,719.04 | 0     | 2,458.81 | 0     | 2,197.58 | 0     | 1,936.36 |     |          |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 3,233.28 | 1/4   | 2,973.45 | 1/4   | 2,713.63 | 1/4   | 2,453.37 | 1/4   | 2,192.14 | 1/4   | 1,930.92 |     |          |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 3,452.74 | 1/2   | 3,227.87 | 1/2   | 2,968.04 | 1/2   | 2,708.22 | 1/2   | 2,447.93 | 1/2   | 2,186.70 | 1/2 | 1,925.47 |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 3,451.84 | 3/4   | 3,222.45 | 3/4   | 2,962.63 | 3/4   | 2,702.80 | 3/4   | 2,442.48 | 3/4   | 2,181.26 | 3/4 | 1,920.03 |
| 1     |     | 1     |     | 1     |     | 1     |     | 1     | 3,450.93 | 1     | 3,217.04 | 1     | 2,957.22 | 1     | 2,697.39 | 1     | 2,437.04 | 1     | 2,175.82 | 1   | 1,914.59 |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 3,450.02 | 1/4   | 3,211.63 | 1/4   | 2,951.80 | 1/4   | 2,691.98 | 1/4   | 2,431.60 | 1/4   | 2,170.37 | 1/4 | 1,909.15 |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 3,449.11 | 1/2   | 3,206.21 | 1/2   | 2,946.39 | 1/2   | 2,686.57 | 1/2   | 2,426.16 | 1/2   | 2,164.93 | 1/2 | 1,903.71 |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 3,446.39 | 3/4   | 3,200.80 | 3/4   | 2,940.98 | 3/4   | 2,681.15 | 3/4   | 2,420.72 | 3/4   | 2,159.49 | 3/4 | 1,898.26 |
| 2     |     | 2     |     | 2     |     | 2     |     | 2     | 3,443.67 | 2     | 3,195.39 | 2     | 2,935.56 | 2     | 2,675.74 | 2     | 2,415.27 | 2     | 2,154.05 | 2   | 1,892.82 |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 3,440.95 | 1/4   | 3,189.97 | 1/4   | 2,930.15 | 1/4   | 2,670.33 | 1/4   | 2,409.83 | 1/4   | 2,148.61 | 1/4 | 1,887.38 |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 3,438.22 | 1/2   | 3,184.56 | 1/2   | 2,924.74 | 1/2   | 2,664.91 | 1/2   | 2,404.39 | 1/2   | 2,143.16 | 1/2 | 1,881.94 |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 3,433.81 | 3/4   | 3,179.15 | 3/4   | 2,919.32 | 3/4   | 2,659.50 | 3/4   | 2,398.95 | 3/4   | 2,137.72 | 3/4 | 1,876.50 |
| 3     |     | 3     |     | 3     |     | 3     |     | 3     | 3,429.41 | 3     | 3,173.74 | 3     | 2,913.91 | 3     | 2,654.09 | 3     | 2,393.50 | 3     | 2,132.28 | 3   | 1,871.05 |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 3,425.00 | 1/4   | 3,168.32 | 1/4   | 2,908.50 | 1/4   | 2,648.67 | 1/4   | 2,388.06 | 1/4   | 2,126.84 | 1/4 | 1,865.61 |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 3,420.59 | 1/2   | 3,162.91 | 1/2   | 2,903.09 | 1/2   | 2,643.26 | 1/2   | 2,382.62 | 1/2   | 2,121.39 | 1/2 | 1,860.17 |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 3,415.31 | 3/4   | 3,157.50 | 3/4   | 2,897.67 | 3/4   | 2,637.85 | 3/4   | 2,377.18 | 3/4   | 2,115.95 | 3/4 | 1,854.73 |
| 4     |     | 4     |     | 4     |     | 4     |     | 4     | 3,410.04 | 4     | 3,152.08 | 4     | 2,892.26 | 4     | 2,632.44 | 4     | 2,371.74 | 4     | 2,110.51 | 4   | 1,849.28 |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 3,404.77 | 1/4   | 3,146.67 | 1/4   | 2,886.85 | 1/4   | 2,627.02 | 1/4   | 2,366.29 | 1/4   | 2,105.07 | 1/4 | 1,843.84 |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 3,399.49 | 1/2   | 3,141.26 | 1/2   | 2,881.43 | 1/2   | 2,621.61 | 1/2   | 2,360.85 | 1/2   | 2,099.63 | 1/2 | 1,838.40 |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 3,394.19 | 3/4   | 3,135.84 | 3/4   | 2,876.02 | 3/4   | 2,616.20 | 3/4   | 2,355.41 | 3/4   | 2,094.18 | 3/4 | 1,832.96 |
| 5     |     | 5     |     | 5     |     | 5     |     | 5     | 3,388.88 | 5     | 3,130.43 | 5     | 2,870.61 | 5     | 2,610.78 | 5     | 2,349.97 | 5     | 2,088.74 | 5   | 1,827.52 |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 3,383.58 | 1/4   | 3,125.02 | 1/4   | 2,865.19 | 1/4   | 2,605.37 | 1/4   | 2,344.52 | 1/4   | 2,083.30 | 1/4 | 1,822.07 |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 3,378.27 | 1/2   | 3,119.61 | 1/2   | 2,859.78 | 1/2   | 2,599.96 | 1/2   | 2,339.08 | 1/2   | 2,077.86 | 1/2 | 1,816.63 |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 3,372.95 | 3/4   | 3,114.19 | 3/4   | 2,854.37 | 3/4   | 2,594.54 | 3/4   | 2,333.64 | 3/4   | 2,072.41 | 3/4 | 1,811.19 |
| 6     |     | 6     |     | 6     |     | 6     |     | 6     | 3,367.63 | 6     | 3,108.78 | 6     | 2,848.96 | 6     | 2,589.13 | 6     | 2,328.20 | 6     | 2,066.97 | 6   | 1,805.75 |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 3,362.31 | 1/4   | 3,103.37 | 1/4   | 2,843.54 | 1/4   | 2,583.72 | 1/4   | 2,322.76 | 1/4   | 2,061.53 | 1/4 | 1,800.30 |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 3,356.99 | 1/2   | 3,097.95 | 1/2   | 2,838.13 | 1/2   | 2,578.31 | 1/2   | 2,317.31 | 1/2   | 2,056.09 | 1/2 | 1,794.86 |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 3,351.68 | 3/4   | 3,092.54 | 3/4   | 2,832.72 | 3/4   | 2,572.89 | 3/4   | 2,311.87 | 3/4   | 2,050.65 | 3/4 | 1,789.42 |
| 7     |     | 7     |     | 7     |     | 7     |     | 7     | 3,346.36 | 7     | 3,087.13 | 7     | 2,827.30 | 7     | 2,567.48 | 7     | 2,306.43 | 7     | 2,045.20 | 7   | 1,783.98 |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 3,341.05 | 1/4   | 3,081.71 | 1/4   | 2,821.89 | 1/4   | 2,562.07 | 1/4   | 2,300.99 | 1/4   | 2,039.76 | 1/4 | 1,778.54 |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 3,335.73 | 1/2   | 3,076.30 | 1/2   | 2,816.48 | 1/2   | 2,556.65 | 1/2   | 2,295.54 | 1/2   | 2,034.32 | 1/2 | 1,773.09 |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 3,330.42 | 3/4   | 3,070.89 | 3/4   | 2,811.06 | 3/4   | 2,551.24 | 3/4   | 2,290.10 | 3/4   | 2,028.88 | 3/4 | 1,767.65 |
| 8     |     | 8     |     | 8     |     | 8     |     | 8     | 3,325.10 | 8     | 3,065.48 | 8     | 2,805.65 | 8     | 2,545.83 | 8     | 2,284.66 | 8     | 2,023.43 | 8   | 1,762.21 |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 3,319.79 | 1/4   | 3,060.06 | 1/4   | 2,800.24 | 1/4   | 2,540.41 | 1/4   | 2,279.22 | 1/4   | 2,017.99 | 1/4 | 1,756.77 |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 3,314.47 | 1/2   | 3,054.65 | 1/2   | 2,794.83 | 1/2   | 2,535.00 | 1/2   | 2,273.78 | 1/2   | 2,012.55 | 1/2 | 1,751.32 |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 3,309.06 | 3/4   | 3,049.24 | 3/4   | 2,789.41 | 3/4   | 2,529.56 | 3/4   | 2,268.33 | 3/4   | 2,007.11 | 3/4 | 1,745.88 |
| 9     |     | 9     |     | 9     |     | 9     |     | 9     | 3,303.65 | 9     | 3,043.82 | 9     | 2,784.00 | 9     | 2,524.12 | 9     | 2,262.89 | 9     | 2,001.67 | 9   | 1,740.44 |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 3,298.23 | 1/4   | 3,038.41 | 1/4   | 2,778.59 | 1/4   | 2,518.67 | 1/4   | 2,257.45 | 1/4   | 1,996.22 | 1/4 | 1,735.00 |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 3,292.82 | 1/2   | 3,033.00 | 1/2   | 2,773.17 | 1/2   | 2,513.23 | 1/2   | 2,252.01 | 1/2   | 1,990.78 | 1/2 | 1,729.56 |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 3,287.41 | 3/4   | 3,027.58 | 3/4   | 2,767.76 | 3/4   | 2,507.79 | 3/4   | 2,246.56 | 3/4   | 1,985.34 | 3/4 | 1,724.11 |
| 10    |     | 10    |     | 10    |     | 10    |     | 10    | 3,282.00 | 10    | 3,022.17 | 10    | 2,762.35 | 10    | 2,502.35 | 10    | 2,241.12 | 10    | 1,979.90 | 10  | 1,718.67 |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 3,276.58 | 1/4   | 3,016.76 | 1/4   | 2,756.93 | 1/4   | 2,496.91 | 1/4   | 2,235.68 | 1/4   | 1,974.45 | 1/4 | 1,713.23 |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 3,271.17 | 1/2   | 3,011.35 | 1/2   | 2,751.52 | 1/2   | 2,491.46 | 1/2   | 2,230.24 | 1/2   | 1,969.01 | 1/2 | 1,707.79 |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 3,265.76 | 3/4   | 3,005.93 | 3/4   | 2,746.11 | 3/4   | 2,486.02 | 3/4   | 2,224.80 | 3/4   | 1,963.57 | 3/4 | 1,702.34 |
| 11    |     | 11    |     | 11    |     | 11    |     | 11    | 3,260.34 | 11    | 3,000.52 | 11    | 2,740.70 | 11    | 2,480.58 | 11    | 2,219.35 | 11    | 1,958.13 | 11  | 1,696.90 |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 3,254.93 | 1/4   | 2,995.11 | 1/4   | 2,735.28 | 1/4   | 2,475.14 | 1/4   | 2,213.91 | 1/4   | 1,952.69 | 1/4 | 1,691.46 |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 3,249.52 | 1/2   | 2,989.69 | 1/2   | 2,729.87 | 1/2   | 2,469.69 | 1/2   | 2,208.47 | 1/2   | 1,947.24 | 1/2 | 1,686.02 |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 3,244.10 | 3/4   | 2,984.28 | 3/4   | 2,724.46 | 3/4   | 2,464.25 | 3/4   | 2,203.03 | 3/4   | 1,941.80 | 3/4 | 1,680.58 |

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 ON CENTERLINE AND 27'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "KIRBY 10246"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 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   | 1,675.13 | 0   | 1,413.91 | 0   | 1,152.52 | 0   | 891.93 | 0   | 631.36 | 0   | 370.00 | 0   | 108.68 | 0   |        | 0   |        | 0   |        |
| 1/4 | 1,669.69 | 1/4 | 1,408.47 | 1/4 | 1,147.08 | 1/4 | 886.52 | 1/4 | 625.92 | 1/4 | 364.55 | 1/4 | 103.25 | 1/4 | 1/4    | 1/4 |        | 1/4 |        |
| 1/2 | 1,664.25 | 1/2 | 1,403.02 | 1/2 | 1,141.63 | 1/2 | 881.11 | 1/2 | 620.48 | 1/2 | 359.10 | 1/2 | 97.82  | 1/2 | 1/2    | 1/2 |        | 1/2 |        |
| 3/4 | 1,658.81 | 3/4 | 1,397.58 | 3/4 | 1,136.18 | 3/4 | 875.70 | 3/4 | 615.03 | 3/4 | 353.66 | 3/4 | 92.41  | 3/4 | 3/4    | 3/4 |        | 3/4 |        |
| 1   | 1,653.36 | 1   | 1,392.13 | 1   | 1,130.74 | 1   | 870.29 | 1   | 609.59 | 1   | 348.21 | 1   | 87.00  | 1   | 1      | 1   |        | 1   |        |
| 1/4 | 1,647.92 | 1/4 | 1,386.69 | 1/4 | 1,125.29 | 1/4 | 864.88 | 1/4 | 604.14 | 1/4 | 342.77 | 1/4 | 81.59  | 1/4 | 1/4    | 1/4 |        | 1/4 |        |
| 1/2 | 1,642.48 | 1/2 | 1,381.24 | 1/2 | 1,119.85 | 1/2 | 859.47 | 1/2 | 598.70 | 1/2 | 337.32 | 1/2 | 76.18  | 1/2 | 1/2    | 1/2 |        | 1/2 |        |
| 3/4 | 1,637.04 | 3/4 | 1,375.80 | 3/4 | 1,114.40 | 3/4 | 854.06 | 3/4 | 593.25 | 3/4 | 331.88 | 3/4 | 70.80  | 3/4 | 3/4    | 3/4 |        | 3/4 |        |
| 2   | 1,631.60 | 2   | 1,370.35 | 2   | 1,108.96 | 2   | 848.65 | 2   | 587.81 | 2   | 326.43 | 2   | 65.41  | 2   | 2      | 2   |        | 2   |        |
| 1/4 | 1,626.15 | 1/4 | 1,364.90 | 1/4 | 1,103.51 | 1/4 | 843.24 | 1/4 | 582.36 | 1/4 | 320.99 | 1/4 | 60.03  | 1/4 | 1/4    | 1/4 |        | 1/4 |        |
| 1/2 | 1,620.71 | 1/2 | 1,359.46 | 1/2 | 1,098.06 | 1/2 | 837.83 | 1/2 | 576.92 | 1/2 | 315.54 | 1/2 | 54.65  | 1/2 | 1/2    | 1/2 |        | 1/2 |        |
| 3/4 | 1,615.27 | 3/4 | 1,354.01 | 3/4 | 1,092.62 | 3/4 | 832.42 | 3/4 | 571.47 | 3/4 | 310.10 | 3/4 | 49.31  | 3/4 | 3/4    | 3/4 |        | 3/4 |        |
| 3   | 1,609.83 | 3   | 1,348.57 | 3   | 1,087.17 | 3   | 827.01 | 3   | 566.03 | 3   | 304.65 | 3   | 43.98  | 3   | 3      | 3   |        | 3   |        |
| 1/4 | 1,604.39 | 1/4 | 1,343.12 | 1/4 | 1,081.73 | 1/4 | 821.60 | 1/4 | 560.58 | 1/4 | 299.21 | 1/4 | 38.65  | 1/4 | 1/4    | 1/4 |        | 1/4 |        |
| 1/2 | 1,598.94 | 1/2 | 1,337.68 | 1/2 | 1,076.28 | 1/2 | 816.19 | 1/2 | 555.14 | 1/2 | 293.76 | 1/2 | 33.32  | 1/2 | 1/2    | 1/2 |        | 1/2 |        |
| 3/4 | 1,593.50 | 3/4 | 1,332.23 | 3/4 | 1,070.84 | 3/4 | 810.79 | 3/4 | 549.69 | 3/4 | 288.32 | 3/4 | 28.79  | 3/4 | 3/4    | 3/4 |        | 3/4 |        |
| 4   | 1,588.06 | 4   | 1,326.78 | 4   | 1,065.39 | 4   | 805.39 | 4   | 544.25 | 4   | 282.87 | 4   | 24.26  | 4   | 4      | 4   |        | 4   |        |
| 1/4 | 1,582.62 | 1/4 | 1,321.34 | 1/4 | 1,059.94 | 1/4 | 799.98 | 1/4 | 538.80 | 1/4 | 277.43 | 1/4 | 19.73  | 1/4 | 1/4    | 1/4 |        | 1/4 |        |
| 1/2 | 1,577.17 | 1/2 | 1,315.89 | 1/2 | 1,054.50 | 1/2 | 794.58 | 1/2 | 533.35 | 1/2 | 271.98 | 1/2 | 15.20  | 1/2 | 1/2    | 1/2 |        | 1/2 |        |
| 3/4 | 1,571.73 | 3/4 | 1,310.45 | 3/4 | 1,049.05 | 3/4 | 789.14 | 3/4 | 527.91 | 3/4 | 266.53 | 3/4 | 12.47  | 3/4 | 3/4    | 3/4 |        | 3/4 |        |
| 5   | 1,566.29 | 5   | 1,305.00 | 5   | 1,043.61 | 5   | 783.70 | 5   | 522.46 | 5   | 261.09 | 5   | 9.75   | 5   | 5      | 5   |        | 5   |        |
| 1/4 | 1,560.85 | 1/4 | 1,299.56 | 1/4 | 1,038.16 | 1/4 | 778.26 | 1/4 | 517.02 | 1/4 | 255.64 | 1/4 | 7.03   | 1/4 | 1/4    | 1/4 |        | 1/4 |        |
| 1/2 | 1,555.41 | 1/2 | 1,294.11 | 1/2 | 1,032.72 | 1/2 | 772.82 | 1/2 | 511.57 | 1/2 | 250.20 | 1/2 | 4.31   | 1/2 | 1/2    | 1/2 |        | 1/2 |        |
| 3/4 | 1,549.96 | 3/4 | 1,288.66 | 3/4 | 1,027.27 | 3/4 | 767.38 | 3/4 | 506.13 | 3/4 | 244.75 | 3/4 | 3.40   | 3/4 | 3/4    | 3/4 |        | 3/4 |        |
| 6   | 1,544.52 | 6   | 1,283.22 | 6   | 1,021.82 | 6   | 761.94 | 6   | 500.68 | 6   | 239.31 | 6   | 2.49   | 6   | 6      | 6   |        | 6   |        |
| 1/4 | 1,539.08 | 1/4 | 1,277.77 | 1/4 | 1,016.38 | 1/4 | 756.50 | 1/4 | 495.24 | 1/4 | 233.86 | 1/4 | 1.59   | 1/4 | 1/4    | 1/4 |        | 1/4 |        |
| 1/2 | 1,533.64 | 1/2 | 1,272.33 | 1/2 | 1,010.93 | 1/2 | 751.06 | 1/2 | 489.79 | 1/2 | 228.42 | 1/2 | 0.68   | 1/2 | 1/2    | 1/2 |        | 1/2 |        |
| 3/4 | 1,528.19 | 3/4 | 1,266.88 | 3/4 | 1,005.52 | 3/4 | 745.62 | 3/4 | 484.35 | 3/4 | 222.97 | 3/4 |        | 3/4 | 3/4    | 3/4 |        | 3/4 |        |
| 7   | 1,522.75 | 7   | 1,261.44 | 7   | 1,000.11 | 7   | 740.18 | 7   | 478.90 | 7   | 217.53 | 7   |        | 7   | 7      | 7   |        | 7   |        |
| 1/4 | 1,517.31 | 1/4 | 1,255.99 | 1/4 | 994.71   | 1/4 | 734.73 | 1/4 | 473.46 | 1/4 | 212.08 | 1/4 |        | 1/4 | 1/4    | 1/4 |        | 1/4 |        |
| 1/2 | 1,511.87 | 1/2 | 1,250.54 | 1/2 | 989.30   | 1/2 | 729.29 | 1/2 | 468.01 | 1/2 | 206.64 | 1/2 |        | 1/2 | 1/2    | 1/2 |        | 1/2 |        |
| 3/4 | 1,506.43 | 3/4 | 1,245.10 | 3/4 | 983.89   | 3/4 | 723.85 | 3/4 | 462.57 | 3/4 | 201.19 | 3/4 |        | 3/4 | 3/4    | 3/4 |        | 3/4 |        |
| 8   | 1,500.98 | 8   | 1,239.65 | 8   | 978.48   | 8   | 718.41 | 8   | 457.12 | 8   | 195.75 | 8   |        | 8   | 8      | 8   |        | 8   |        |
| 1/4 | 1,495.54 | 1/4 | 1,234.21 | 1/4 | 973.07   | 1/4 | 712.97 | 1/4 | 451.67 | 1/4 | 190.30 | 1/4 |        | 1/4 | 1/4    | 1/4 |        | 1/4 |        |
| 1/2 | 1,490.10 | 1/2 | 1,228.76 | 1/2 | 967.66   | 1/2 | 707.53 | 1/2 | 446.23 | 1/2 | 184.86 | 1/2 |        | 1/2 | 1/2    | 1/2 |        | 1/2 |        |
| 3/4 | 1,484.66 | 3/4 | 1,223.32 | 3/4 | 962.25   | 3/4 | 702.09 | 3/4 | 440.78 | 3/4 | 179.41 | 3/4 |        | 3/4 | 3/4    | 3/4 |        | 3/4 |        |
| 9   | 1,479.21 | 9   | 1,217.87 | 9   | 956.84   | 9   | 696.65 | 9   | 435.34 | 9   | 173.96 | 9   |        | 9   | 9      | 9   |        | 9   |        |
| 1/4 | 1,473.77 | 1/4 | 1,212.42 | 1/4 | 951.43   | 1/4 | 691.21 | 1/4 | 429.89 | 1/4 | 168.52 | 1/4 |        | 1/4 | 1/4    | 1/4 |        | 1/4 |        |
| 1/2 | 1,468.33 | 1/2 | 1,206.98 | 1/2 | 946.02   | 1/2 | 685.77 | 1/2 | 424.45 | 1/2 | 163.07 | 1/2 |        | 1/2 | 1/2    | 1/2 |        | 1/2 |        |
| 3/4 | 1,462.89 | 3/4 | 1,201.53 | 3/4 | 940.61   | 3/4 | 680.33 | 3/4 | 419.00 | 3/4 | 157.63 | 3/4 |        | 3/4 | 3/4    | 3/4 |        | 3/4 |        |
| 10  | 1,457.45 | 10  | 1,196.09 | 10  | 935.20   | 10  | 674.89 | 10  | 413.56 | 10  | 152.18 | 10  |        | 10  | 10     | 10  |        | 10  |        |
| 1/4 | 1,452.00 | 1/4 | 1,190.64 | 1/4 | 929.79   | 1/4 | 669.45 | 1/4 | 408.11 | 1/4 | 146.74 | 1/4 |        | 1/4 | 1/4    | 1/4 |        | 1/4 |        |
| 1/2 | 1,446.56 | 1/2 | 1,185.20 | 1/2 | 924.38   | 1/2 | 664.01 | 1/2 | 402.67 | 1/2 | 141.29 | 1/2 |        | 1/2 | 1/2    | 1/2 |        | 1/2 |        |
| 3/4 | 1,441.12 | 3/4 | 1,179.75 | 3/4 | 918.97   | 3/4 | 658.57 | 3/4 | 397.22 | 3/4 | 135.86 | 3/4 |        | 3/4 | 3/4    | 3/4 |        | 3/4 |        |
| 11  | 1,435.68 | 11  | 1,174.30 | 11  | 913.56   | 11  | 653.13 | 11  | 391.78 | 11  | 130.42 | 11  |        | 11  | 11     | 11  |        | 11  |        |
| 1/4 | 1,430.23 | 1/4 | 1,168.86 | 1/4 | 908.15   | 1/4 | 647.69 | 1/4 | 386.33 | 1/4 | 124.98 | 1/4 |        | 1/4 | 1/4    | 1/4 |        | 1/4 |        |
| 1/2 | 1,424.79 | 1/2 | 1,163.41 | 1/2 | 902.75   | 1/2 | 642.25 | 1/2 | 380.89 | 1/2 | 119.54 | 1/2 |        | 1/2 | 1/2    | 1/2 |        | 1/2 |        |
| 3/4 | 1,419.35 | 3/4 | 1,157.97 | 3/4 | 897.34   | 3/4 | 636.81 | 3/4 | 375.44 | 3/4 | 114.11 | 3/4 |        | 3/4 | 3/4    | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/29/2013 CL - SW  
CALCULATED: 05/29/2013 CL  
VERIFIED: 07/13/2023

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2023

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