



# BARGE "LACB - 118"

ULLAGE (HERMETIC)  
FORMERLY "KIRBY 29248"

|        | 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 | - 02-1/8   | 02-1/8       | - 04-1/4   | 04-1/4       | - 06-3/8   | 06-3/8       | - 08-1/2   | 08-1/2       | - 10-5/8   | 10-5/8       | - 12-3/4   | 12-3/4       |
| 1 STBD | - 02-1/8   | 02-1/8       | - 04-1/4   | 04-1/4       | - 06-3/8   | 06-3/8       | - 08-1/2   | 08-1/2       | - 10-5/8   | 10-5/8       | - 12-3/4   | 12-3/4       |
| 2 PORT | - 02-1/8   | 02-1/8       | - 04-1/4   | 04-1/4       | - 06-3/8   | 06-3/8       | - 08-1/2   | 08-1/2       | - 10-5/8   | 10-5/8       | - 12-3/4   | 12-3/4       |
| 2 STBD | - 02-1/8   | 02-1/8       | - 04-1/4   | 04-1/4       | - 06-3/8   | 06-3/8       | - 08-1/2   | 08-1/2       | - 10-5/8   | 10-5/8       | - 12-3/4   | 12-3/4       |
| 3 PORT | 02-1/8     | - 02-1/8     | 04-1/4     | - 04-1/4     | 06-3/8     | - 06-3/8     | 08-1/2     | - 08-1/2     | 10-5/8     | - 10-5/8     | 12-3/4     | - 12-3/4     |
| 3 STBD | 02-1/8     | - 02-1/8     | 04-1/4     | - 04-1/4     | 06-3/8     | - 06-3/8     | 08-1/2     | - 08-1/2     | 10-5/8     | - 10-5/8     | 12-3/4     | - 12-3/4     |

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS 04-1/4"  
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-07 3/4"

LENGTH BETWEEN DRAFT MARKS: 237'-09"

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PRECISION MEASUREMENT  
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# BARGE "LACB - 118"

## 1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 29248"

GAUGE HEIGHT 18'-10"

| 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   |          | 0   | 4,837.39 | 0   | 4,481.22 | 0   | 4,123.47 | 0   | 3,765.23 | 0   | 3,406.99 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |          | 1/4 | 4,829.98 | 1/4 | 4,473.78 | 1/4 | 4,116.00 | 1/4 | 3,757.77 | 1/4 | 3,399.53 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |          | 1/2 | 4,822.58 | 1/2 | 4,466.34 | 1/2 | 4,108.54 | 1/2 | 3,750.30 | 1/2 | 3,392.06 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |          | 3/4 | 4,815.18 | 3/4 | 4,458.90 | 3/4 | 4,101.08 | 3/4 | 3,742.84 | 3/4 | 3,384.60 |
| 1   |       | 1   |       | 1   |       | 1   |       | 1   |          | 1   | 4,807.77 | 1   | 4,451.46 | 1   | 4,093.61 | 1   | 3,735.38 | 1   | 3,377.14 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |          | 1/4 | 4,800.37 | 1/4 | 4,444.01 | 1/4 | 4,086.15 | 1/4 | 3,727.91 | 1/4 | 3,369.67 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |          | 1/2 | 4,792.97 | 1/2 | 4,436.57 | 1/2 | 4,078.69 | 1/2 | 3,720.45 | 1/2 | 3,362.21 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |          | 3/4 | 4,785.57 | 3/4 | 4,429.13 | 3/4 | 4,071.22 | 3/4 | 3,712.99 | 3/4 | 3,354.75 |
| 2   |       | 2   |       | 2   |       | 2   |       | 2   | 5,056.28 | 2   | 4,778.17 | 2   | 4,421.69 | 2   | 4,063.76 | 2   | 3,705.52 | 2   | 3,347.28 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 5,054.75 | 1/4 | 4,770.76 | 1/4 | 4,414.25 | 1/4 | 4,056.30 | 1/4 | 3,698.06 | 1/4 | 3,339.82 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 5,053.21 | 1/2 | 4,763.36 | 1/2 | 4,406.81 | 1/2 | 4,048.83 | 1/2 | 3,690.60 | 1/2 | 3,332.36 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 5,051.67 | 3/4 | 4,755.96 | 3/4 | 4,399.36 | 3/4 | 4,041.37 | 3/4 | 3,683.13 | 3/4 | 3,324.89 |
| 3   |       | 3   |       | 3   |       | 3   |       | 3   | 5,050.13 | 3   | 4,748.56 | 3   | 4,391.92 | 3   | 4,033.91 | 3   | 3,675.67 | 3   | 3,317.43 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 5,047.53 | 1/4 | 4,741.16 | 1/4 | 4,384.48 | 1/4 | 4,026.45 | 1/4 | 3,668.21 | 1/4 | 3,309.97 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 5,044.92 | 1/2 | 4,733.76 | 1/2 | 4,377.04 | 1/2 | 4,018.98 | 1/2 | 3,660.74 | 1/2 | 3,302.51 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 5,042.31 | 3/4 | 4,726.35 | 3/4 | 4,369.60 | 3/4 | 4,011.52 | 3/4 | 3,653.28 | 3/4 | 3,295.04 |
| 4   |       | 4   |       | 4   |       | 4   |       | 4   | 5,039.71 | 4   | 4,718.95 | 4   | 4,362.16 | 4   | 4,004.06 | 4   | 3,645.82 | 4   | 3,287.58 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 5,036.04 | 1/4 | 4,711.55 | 1/4 | 4,354.72 | 1/4 | 3,996.59 | 1/4 | 3,638.35 | 1/4 | 3,280.12 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 5,032.37 | 1/2 | 4,704.15 | 1/2 | 4,347.27 | 1/2 | 3,989.13 | 1/2 | 3,630.89 | 1/2 | 3,272.65 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 5,028.69 | 3/4 | 4,696.75 | 3/4 | 4,339.83 | 3/4 | 3,981.67 | 3/4 | 3,623.43 | 3/4 | 3,265.19 |
| 5   |       | 5   |       | 5   |       | 5   |       | 5   | 5,025.02 | 5   | 4,689.35 | 5   | 4,332.39 | 5   | 3,974.20 | 5   | 3,615.96 | 5   | 3,257.73 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 5,020.28 | 1/4 | 4,681.94 | 1/4 | 4,324.94 | 1/4 | 3,966.74 | 1/4 | 3,608.50 | 1/4 | 3,250.26 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 5,015.54 | 1/2 | 4,674.54 | 1/2 | 4,317.49 | 1/2 | 3,959.28 | 1/2 | 3,601.04 | 1/2 | 3,242.80 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 5,010.80 | 3/4 | 4,667.14 | 3/4 | 4,310.04 | 3/4 | 3,951.81 | 3/4 | 3,593.57 | 3/4 | 3,235.34 |
| 6   |       | 6   |       | 6   |       | 6   |       | 6   | 5,006.07 | 6   | 4,659.74 | 6   | 4,302.59 | 6   | 3,944.35 | 6   | 3,586.11 | 6   | 3,227.87 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 5,000.26 | 1/4 | 4,652.32 | 1/4 | 4,295.12 | 1/4 | 3,936.89 | 1/4 | 3,578.65 | 1/4 | 3,220.41 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,994.45 | 1/2 | 4,644.89 | 1/2 | 4,287.66 | 1/2 | 3,929.42 | 1/2 | 3,571.18 | 1/2 | 3,212.95 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,988.65 | 3/4 | 4,637.47 | 3/4 | 4,280.20 | 3/4 | 3,921.96 | 3/4 | 3,563.72 | 3/4 | 3,205.48 |
| 7   |       | 7   |       | 7   |       | 7   |       | 7   | 4,982.84 | 7   | 4,630.05 | 7   | 4,272.73 | 7   | 3,914.50 | 7   | 3,556.26 | 7   | 3,198.02 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,976.04 | 1/4 | 4,622.61 | 1/4 | 4,265.27 | 1/4 | 3,907.03 | 1/4 | 3,548.79 | 1/4 | 3,190.56 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,969.23 | 1/2 | 4,615.17 | 1/2 | 4,257.81 | 1/2 | 3,899.57 | 1/2 | 3,541.33 | 1/2 | 3,183.09 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,962.42 | 3/4 | 4,607.73 | 3/4 | 4,250.34 | 3/4 | 3,892.11 | 3/4 | 3,533.87 | 3/4 | 3,175.63 |
| 8   |       | 8   |       | 8   |       | 8   |       | 8   | 4,955.62 | 8   | 4,600.29 | 8   | 4,242.88 | 8   | 3,884.64 | 8   | 3,526.40 | 8   | 3,168.17 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,948.28 | 1/4 | 4,592.84 | 1/4 | 4,235.42 | 1/4 | 3,877.18 | 1/4 | 3,518.94 | 1/4 | 3,160.70 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,940.94 | 1/2 | 4,585.40 | 1/2 | 4,227.95 | 1/2 | 3,869.72 | 1/2 | 3,511.48 | 1/2 | 3,153.24 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,933.60 | 3/4 | 4,577.96 | 3/4 | 4,220.49 | 3/4 | 3,862.25 | 3/4 | 3,504.01 | 3/4 | 3,145.78 |
| 9   |       | 9   |       | 9   |       | 9   |       | 9   | 4,926.26 | 9   | 4,570.52 | 9   | 4,213.03 | 9   | 3,854.79 | 9   | 3,496.55 | 9   | 3,138.31 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,918.85 | 1/4 | 4,563.08 | 1/4 | 4,205.56 | 1/4 | 3,847.33 | 1/4 | 3,489.09 | 1/4 | 3,130.85 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,911.44 | 1/2 | 4,555.64 | 1/2 | 4,198.10 | 1/2 | 3,839.86 | 1/2 | 3,481.62 | 1/2 | 3,123.39 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,904.04 | 3/4 | 4,548.19 | 3/4 | 4,190.64 | 3/4 | 3,832.40 | 3/4 | 3,474.16 | 3/4 | 3,115.92 |
| 10  |       | 10  |       | 10  |       | 10  |       | 10  | 4,896.63 | 10  | 4,540.75 | 10  | 4,183.17 | 10  | 3,824.94 | 10  | 3,466.70 | 10  | 3,108.46 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,889.23 | 1/4 | 4,533.31 | 1/4 | 4,175.71 | 1/4 | 3,817.47 | 1/4 | 3,459.23 | 1/4 | 3,101.00 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,881.82 | 1/2 | 4,525.87 | 1/2 | 4,168.25 | 1/2 | 3,810.01 | 1/2 | 3,451.77 | 1/2 | 3,093.53 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,874.42 | 3/4 | 4,518.43 | 3/4 | 4,160.78 | 3/4 | 3,802.55 | 3/4 | 3,444.31 | 3/4 | 3,086.07 |
| 11  |       | 11  |       | 11  |       | 11  |       | 11  | 4,867.01 | 11  | 4,510.99 | 11  | 4,153.32 | 11  | 3,795.08 | 11  | 3,436.84 | 11  | 3,078.61 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,859.60 | 1/4 | 4,503.55 | 1/4 | 4,145.86 | 1/4 | 3,787.62 | 1/4 | 3,429.38 | 1/4 | 3,071.14 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,852.20 | 1/2 | 4,496.10 | 1/2 | 4,138.39 | 1/2 | 3,780.16 | 1/2 | 3,421.92 | 1/2 | 3,063.68 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,844.79 | 3/4 | 4,488.66 | 3/4 | 4,130.93 | 3/4 | 3,772.69 | 3/4 | 3,414.45 | 3/4 | 3,056.22 |

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 DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 03'-00" OFF CENTERLINE AND 01'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
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# BARGE "LACB - 118"

1 PORT

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 29248"

GAUGE HEIGHT 18'-10"

| IN  | 10 FT.   | IN  | 11 FT.   | IN  | 12 FT.   | IN  | 13 FT.   | IN  | 14 FT.   | IN  | 15 FT.   | IN  | 16 FT. | IN  | 17 FT. | IN  | 18 FT. | IN  | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0   | 3,048.75 | 0   | 2,690.39 | 0   | 2,331.96 | 0   | 1,973.53 | 0   | 1,615.10 | 0   | 1,256.67 | 0   | 899.54 | 0   | 542.13 | 0   | 208.85 | 0   |        |
| 1/4 | 3,041.29 | 1/4 | 2,682.93 | 1/4 | 2,324.50 | 1/4 | 1,966.07 | 1/4 | 1,607.64 | 1/4 | 1,249.21 | 1/4 | 892.13 | 1/4 | 534.74 | 1/4 | 202.42 | 1/4 |        |
| 1/2 | 3,033.83 | 1/2 | 2,675.46 | 1/2 | 2,317.03 | 1/2 | 1,958.60 | 1/2 | 1,600.17 | 1/2 | 1,241.74 | 1/2 | 884.71 | 1/2 | 527.36 | 1/2 | 196.00 | 1/2 |        |
| 3/4 | 3,026.36 | 3/4 | 2,667.99 | 3/4 | 2,309.56 | 3/4 | 1,951.13 | 3/4 | 1,592.70 | 3/4 | 1,234.27 | 3/4 | 877.29 | 3/4 | 519.98 | 3/4 | 189.58 | 3/4 |        |
| 1   | 3,018.90 | 1   | 2,660.53 | 1   | 2,302.10 | 1   | 1,943.66 | 1   | 1,585.23 | 1   | 1,226.80 | 1   | 869.88 | 1   | 512.60 | 1   | 183.16 | 1   |        |
| 1/4 | 3,011.44 | 1/4 | 2,653.06 | 1/4 | 2,294.63 | 1/4 | 1,936.20 | 1/4 | 1,577.77 | 1/4 | 1,219.34 | 1/4 | 862.46 | 1/4 | 505.29 | 1/4 | 176.81 | 1/4 |        |
| 1/2 | 3,003.97 | 1/2 | 2,645.59 | 1/2 | 2,287.16 | 1/2 | 1,928.73 | 1/2 | 1,570.30 | 1/2 | 1,211.87 | 1/2 | 855.05 | 1/2 | 497.99 | 1/2 | 170.46 | 1/2 |        |
| 3/4 | 2,996.51 | 3/4 | 2,638.12 | 3/4 | 2,279.69 | 3/4 | 1,921.26 | 3/4 | 1,562.83 | 3/4 | 1,204.40 | 3/4 | 847.63 | 3/4 | 490.69 | 3/4 | 164.11 | 3/4 |        |
| 2   | 2,989.05 | 2   | 2,630.66 | 2   | 2,272.23 | 2   | 1,913.80 | 2   | 1,555.37 | 2   | 1,196.93 | 2   | 840.21 | 2   | 483.39 | 2   | 157.76 | 2   |        |
| 1/4 | 2,981.58 | 1/4 | 2,623.19 | 1/4 | 2,264.76 | 1/4 | 1,906.33 | 1/4 | 1,547.90 | 1/4 | 1,189.47 | 1/4 | 832.80 | 1/4 | 476.17 | 1/4 | 151.49 | 1/4 |        |
| 1/2 | 2,974.12 | 1/2 | 2,615.72 | 1/2 | 2,257.29 | 1/2 | 1,898.86 | 1/2 | 1,540.43 | 1/2 | 1,182.00 | 1/2 | 825.38 | 1/2 | 468.94 | 1/2 | 145.21 | 1/2 |        |
| 3/4 | 2,966.66 | 3/4 | 2,608.25 | 3/4 | 2,249.82 | 3/4 | 1,891.39 | 3/4 | 1,532.96 | 3/4 | 1,174.53 | 3/4 | 817.96 | 3/4 | 461.72 | 3/4 | 138.94 | 3/4 |        |
| 3   | 2,959.19 | 3   | 2,600.79 | 3   | 2,242.36 | 3   | 1,883.93 | 3   | 1,525.50 | 3   | 1,167.07 | 3   | 810.55 | 3   | 454.50 | 3   | 132.66 | 3   |        |
| 1/4 | 2,951.73 | 1/4 | 2,593.32 | 1/4 | 2,234.89 | 1/4 | 1,876.46 | 1/4 | 1,518.03 | 1/4 | 1,159.60 | 1/4 | 803.13 | 1/4 | 447.36 | 1/4 | 126.47 | 1/4 |        |
| 1/2 | 2,944.27 | 1/2 | 2,585.85 | 1/2 | 2,227.42 | 1/2 | 1,868.99 | 1/2 | 1,510.56 | 1/2 | 1,152.13 | 1/2 | 795.72 | 1/2 | 440.22 | 1/2 | 120.27 | 1/2 |        |
| 3/4 | 2,936.80 | 3/4 | 2,578.39 | 3/4 | 2,219.95 | 3/4 | 1,861.52 | 3/4 | 1,503.09 | 3/4 | 1,144.66 | 3/4 | 788.30 | 3/4 | 433.08 | 3/4 | 114.08 | 3/4 |        |
| 4   | 2,929.34 | 4   | 2,570.92 | 4   | 2,212.49 | 4   | 1,854.06 | 4   | 1,495.63 | 4   | 1,137.20 | 4   | 780.88 | 4   | 425.94 | 4   | 107.89 | 4   |        |
| 1/4 | 2,921.87 | 1/4 | 2,563.45 | 1/4 | 2,205.02 | 1/4 | 1,846.59 | 1/4 | 1,488.16 | 1/4 | 1,129.74 | 1/4 | 773.44 | 1/4 | 418.88 | 1/4 | 101.77 | 1/4 |        |
| 1/2 | 2,914.41 | 1/2 | 2,555.98 | 1/2 | 2,197.55 | 1/2 | 1,839.12 | 1/2 | 1,480.69 | 1/2 | 1,122.29 | 1/2 | 766.00 | 1/2 | 411.82 | 1/2 | 95.66  | 1/2 |        |
| 3/4 | 2,906.94 | 3/4 | 2,548.52 | 3/4 | 2,190.09 | 3/4 | 1,831.66 | 3/4 | 1,473.22 | 3/4 | 1,114.84 | 3/4 | 758.56 | 3/4 | 404.76 | 3/4 | 89.54  | 3/4 |        |
| 5   | 2,899.48 | 5   | 2,541.05 | 5   | 2,182.62 | 5   | 1,824.19 | 5   | 1,465.76 | 5   | 1,107.39 | 5   | 751.12 | 5   | 397.71 | 5   | 83.43  | 5   |        |
| 1/4 | 2,892.01 | 1/4 | 2,533.58 | 1/4 | 2,175.15 | 1/4 | 1,816.72 | 1/4 | 1,458.29 | 1/4 | 1,099.95 | 1/4 | 743.65 | 1/4 | 390.73 | 1/4 | 77.40  | 1/4 |        |
| 1/2 | 2,884.54 | 1/2 | 2,526.11 | 1/2 | 2,167.68 | 1/2 | 1,809.25 | 1/2 | 1,450.82 | 1/2 | 1,092.51 | 1/2 | 736.18 | 1/2 | 383.75 | 1/2 | 71.37  | 1/2 |        |
| 3/4 | 2,877.08 | 3/4 | 2,518.65 | 3/4 | 2,160.22 | 3/4 | 1,801.79 | 3/4 | 1,443.36 | 3/4 | 1,085.07 | 3/4 | 728.72 | 3/4 | 376.78 | 3/4 | 65.33  | 3/4 |        |
| 6   | 2,869.61 | 6   | 2,511.18 | 6   | 2,152.75 | 6   | 1,794.32 | 6   | 1,435.89 | 6   | 1,077.64 | 6   | 721.25 | 6   | 369.80 | 6   | 59.30  | 6   |        |
| 1/4 | 2,862.14 | 1/4 | 2,503.71 | 1/4 | 2,145.28 | 1/4 | 1,786.85 | 1/4 | 1,428.42 | 1/4 | 1,070.21 | 1/4 | 713.78 | 1/4 | 362.90 | 1/4 | 53.82  | 1/4 |        |
| 1/2 | 2,854.68 | 1/2 | 2,496.25 | 1/2 | 2,137.81 | 1/2 | 1,779.38 | 1/2 | 1,420.95 | 1/2 | 1,062.77 | 1/2 | 706.31 | 1/2 | 355.99 | 1/2 | 48.33  | 1/2 |        |
| 3/4 | 2,847.21 | 3/4 | 2,488.78 | 3/4 | 2,130.35 | 3/4 | 1,771.92 | 3/4 | 1,413.49 | 3/4 | 1,055.34 | 3/4 | 698.85 | 3/4 | 349.09 | 3/4 | 42.85  | 3/4 |        |
| 7   | 2,839.74 | 7   | 2,481.31 | 7   | 2,122.88 | 7   | 1,764.45 | 7   | 1,406.02 | 7   | 1,047.91 | 7   | 691.38 | 7   | 342.19 | 7   | 37.36  | 7   |        |
| 1/4 | 2,832.27 | 1/4 | 2,473.84 | 1/4 | 2,115.41 | 1/4 | 1,756.98 | 1/4 | 1,398.55 | 1/4 | 1,040.49 | 1/4 | 683.91 | 1/4 | 335.36 | 1/4 | 33.36  | 1/4 |        |
| 1/2 | 2,824.81 | 1/2 | 2,466.38 | 1/2 | 2,107.95 | 1/2 | 1,749.52 | 1/2 | 1,391.08 | 1/2 | 1,033.07 | 1/2 | 676.45 | 1/2 | 328.53 | 1/2 | 29.36  | 1/2 |        |
| 3/4 | 2,817.34 | 3/4 | 2,458.91 | 3/4 | 2,100.48 | 3/4 | 1,742.05 | 3/4 | 1,383.62 | 3/4 | 1,025.64 | 3/4 | 668.98 | 3/4 | 321.70 | 3/4 | 25.36  | 3/4 |        |
| 8   | 2,809.87 | 8   | 2,451.44 | 8   | 2,093.01 | 8   | 1,734.58 | 8   | 1,376.15 | 8   | 1,018.22 | 8   | 661.51 | 8   | 314.87 | 8   | 21.36  | 8   |        |
| 1/4 | 2,802.40 | 1/4 | 2,443.97 | 1/4 | 2,085.54 | 1/4 | 1,727.11 | 1/4 | 1,368.68 | 1/4 | 1,010.80 | 1/4 | 654.04 | 1/4 | 308.13 | 1/4 | 18.44  | 1/4 |        |
| 1/2 | 2,794.94 | 1/2 | 2,436.51 | 1/2 | 2,078.08 | 1/2 | 1,719.65 | 1/2 | 1,361.22 | 1/2 | 1,003.38 | 1/2 | 646.58 | 1/2 | 301.38 | 1/2 | 15.53  | 1/2 |        |
| 3/4 | 2,787.47 | 3/4 | 2,429.04 | 3/4 | 2,070.61 | 3/4 | 1,712.18 | 3/4 | 1,353.75 | 3/4 | 995.96   | 3/4 | 639.11 | 3/4 | 294.63 | 3/4 | 12.61  | 3/4 |        |
| 9   | 2,780.00 | 9   | 2,421.57 | 9   | 2,063.14 | 9   | 1,704.71 | 9   | 1,346.28 | 9   | 988.54   | 9   | 631.64 | 9   | 287.88 | 9   | 9.70   | 9   |        |
| 1/4 | 2,772.54 | 1/4 | 2,414.10 | 1/4 | 2,055.67 | 1/4 | 1,697.24 | 1/4 | 1,338.81 | 1/4 | 981.12   | 1/4 | 624.18 | 1/4 | 281.21 | 1/4 | 7.83   | 1/4 |        |
| 1/2 | 2,765.07 | 1/2 | 2,406.64 | 1/2 | 2,048.21 | 1/2 | 1,689.78 | 1/2 | 1,331.35 | 1/2 | 973.71   | 1/2 | 616.71 | 1/2 | 274.55 | 1/2 | 5.97   | 1/2 |        |
| 3/4 | 2,757.60 | 3/4 | 2,399.17 | 3/4 | 2,040.74 | 3/4 | 1,682.31 | 3/4 | 1,323.88 | 3/4 | 966.29   | 3/4 | 609.24 | 3/4 | 267.88 | 3/4 | 4.10   | 3/4 |        |
| 10  | 2,750.13 | 10  | 2,391.70 | 10  | 2,033.27 | 10  | 1,674.84 | 10  | 1,316.41 | 10  | 958.87   | 10  | 601.77 | 10  | 261.21 | 10  | 2.23   | 10  |        |
| 1/4 | 2,742.67 | 1/4 | 2,384.24 | 1/4 | 2,025.81 | 1/4 | 1,667.37 | 1/4 | 1,308.94 | 1/4 | 951.46   | 1/4 | 594.31 | 1/4 | 254.62 | 1/4 |        | 1/4 |        |
| 1/2 | 2,735.20 | 1/2 | 2,376.77 | 1/2 | 2,018.34 | 1/2 | 1,659.91 | 1/2 | 1,301.48 | 1/2 | 944.04   | 1/2 | 586.84 | 1/2 | 248.04 | 1/2 |        | 1/2 |        |
| 3/4 | 2,727.73 | 3/4 | 2,369.30 | 3/4 | 2,010.87 | 3/4 | 1,652.44 | 3/4 | 1,294.01 | 3/4 | 936.63   | 3/4 | 579.37 | 3/4 | 241.45 | 3/4 |        | 3/4 |        |
| 11  | 2,720.26 | 11  | 2,361.83 | 11  | 2,003.40 | 11  | 1,644.97 | 11  | 1,286.54 | 11  | 929.21   | 11  | 571.91 | 11  | 234.87 | 11  |        | 11  |        |
| 1/4 | 2,712.80 | 1/4 | 2,354.37 | 1/4 | 1,995.94 | 1/4 | 1,637.51 | 1/4 | 1,279.08 | 1/4 | 921.79   | 1/4 | 564.46 | 1/4 | 228.36 | 1/4 |        | 1/4 |        |
| 1/2 | 2,705.33 | 1/2 | 2,346.90 | 1/2 | 1,988.47 | 1/2 | 1,630.04 | 1/2 | 1,271.61 | 1/2 | 914.38   | 1/2 | 557.02 | 1/2 | 221.86 | 1/2 |        | 1/2 |        |
| 3/4 | 2,697.86 | 3/4 | 2,339.43 | 3/4 | 1,981.00 | 3/4 | 1,622.57 | 3/4 | 1,264.14 | 3/4 | 906.96   | 3/4 | 549.57 | 3/4 | 215.35 | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/01/2013 CL  
RECALCULATED: 06/02/2020 CL  
NAME CHANGE: 08/24/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2023

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



# BARGE "LACB - 118"

1 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 18'-10"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 29248"

| 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   |          | 0   | 4,839.64 | 0   | 4,483.44 | 0   | 4,125.63 | 0   | 3,767.36 | 0   | 3,409.09 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |          | 1/4 | 4,832.24 | 1/4 | 4,476.00 | 1/4 | 4,118.17 | 1/4 | 3,759.90 | 1/4 | 3,401.63 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |          | 1/2 | 4,824.84 | 1/2 | 4,468.55 | 1/2 | 4,110.71 | 1/2 | 3,752.43 | 1/2 | 3,394.16 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |          | 3/4 | 4,817.43 | 3/4 | 4,461.11 | 3/4 | 4,103.24 | 3/4 | 3,744.97 | 3/4 | 3,386.70 |
| 1   |       | 1   |       | 1   |       | 1   |       | 1   |          | 1   | 4,810.03 | 1   | 4,453.67 | 1   | 4,095.78 | 1   | 3,737.51 | 1   | 3,379.23 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |          | 1/4 | 4,802.62 | 1/4 | 4,446.23 | 1/4 | 4,088.31 | 1/4 | 3,730.04 | 1/4 | 3,371.77 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |          | 1/2 | 4,795.22 | 1/2 | 4,438.78 | 1/2 | 4,080.85 | 1/2 | 3,722.58 | 1/2 | 3,364.31 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |          | 3/4 | 4,787.82 | 3/4 | 4,431.34 | 3/4 | 4,073.39 | 3/4 | 3,715.11 | 3/4 | 3,356.84 |
| 2   |       | 2   |       | 2   |       | 2   |       | 2   | 5,058.55 | 2   | 4,780.42 | 2   | 4,423.90 | 2   | 4,065.92 | 2   | 3,707.65 | 2   | 3,349.38 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 5,057.01 | 1/4 | 4,773.01 | 1/4 | 4,416.46 | 1/4 | 4,058.46 | 1/4 | 3,700.19 | 1/4 | 3,341.91 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 5,055.47 | 1/2 | 4,765.61 | 1/2 | 4,409.02 | 1/2 | 4,050.99 | 1/2 | 3,692.72 | 1/2 | 3,334.45 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 5,053.93 | 3/4 | 4,758.21 | 3/4 | 4,401.57 | 3/4 | 4,043.53 | 3/4 | 3,685.26 | 3/4 | 3,326.99 |
| 3   |       | 3   |       | 3   |       | 3   |       | 3   | 5,052.40 | 3   | 4,750.81 | 3   | 4,394.13 | 3   | 4,036.07 | 3   | 3,677.79 | 3   | 3,319.52 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 5,049.79 | 1/4 | 4,743.40 | 1/4 | 4,386.69 | 1/4 | 4,028.60 | 1/4 | 3,670.33 | 1/4 | 3,312.06 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 5,047.18 | 1/2 | 4,736.00 | 1/2 | 4,379.25 | 1/2 | 4,021.14 | 1/2 | 3,662.87 | 1/2 | 3,304.59 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 5,044.58 | 3/4 | 4,728.60 | 3/4 | 4,371.80 | 3/4 | 4,013.67 | 3/4 | 3,655.40 | 3/4 | 3,297.13 |
| 4   |       | 4   |       | 4   |       | 4   |       | 4   | 5,041.97 | 4   | 4,721.20 | 4   | 4,364.36 | 4   | 4,006.21 | 4   | 3,647.94 | 4   | 3,289.67 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 5,038.30 | 1/4 | 4,713.79 | 1/4 | 4,356.92 | 1/4 | 3,998.75 | 1/4 | 3,640.47 | 1/4 | 3,282.20 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 5,034.63 | 1/2 | 4,706.39 | 1/2 | 4,349.48 | 1/2 | 3,991.28 | 1/2 | 3,633.01 | 1/2 | 3,274.74 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 5,030.96 | 3/4 | 4,698.99 | 3/4 | 4,342.03 | 3/4 | 3,983.82 | 3/4 | 3,625.55 | 3/4 | 3,267.27 |
| 5   |       | 5   |       | 5   |       | 5   |       | 5   | 5,027.28 | 5   | 4,691.58 | 5   | 4,334.59 | 5   | 3,976.35 | 5   | 3,618.08 | 5   | 3,259.81 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 5,022.54 | 1/4 | 4,684.18 | 1/4 | 4,327.14 | 1/4 | 3,968.89 | 1/4 | 3,610.62 | 1/4 | 3,252.35 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 5,017.80 | 1/2 | 4,676.78 | 1/2 | 4,319.68 | 1/2 | 3,961.43 | 1/2 | 3,603.15 | 1/2 | 3,244.88 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 5,013.07 | 3/4 | 4,669.38 | 3/4 | 4,312.23 | 3/4 | 3,953.96 | 3/4 | 3,595.69 | 3/4 | 3,237.42 |
| 6   |       | 6   |       | 6   |       | 6   |       | 6   | 5,008.33 | 6   | 4,661.97 | 6   | 4,304.77 | 6   | 3,946.50 | 6   | 3,588.23 | 6   | 3,229.95 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 5,002.52 | 1/4 | 4,654.55 | 1/4 | 4,297.31 | 1/4 | 3,939.03 | 1/4 | 3,580.76 | 1/4 | 3,222.49 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,996.71 | 1/2 | 4,647.13 | 1/2 | 4,289.84 | 1/2 | 3,931.57 | 1/2 | 3,573.30 | 1/2 | 3,215.03 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,990.91 | 3/4 | 4,639.71 | 3/4 | 4,282.38 | 3/4 | 3,924.11 | 3/4 | 3,565.83 | 3/4 | 3,207.56 |
| 7   |       | 7   |       | 7   |       | 7   |       | 7   | 4,985.10 | 7   | 4,632.28 | 7   | 4,274.91 | 7   | 3,916.64 | 7   | 3,558.37 | 7   | 3,200.10 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,978.30 | 1/4 | 4,624.84 | 1/4 | 4,267.45 | 1/4 | 3,909.18 | 1/4 | 3,550.91 | 1/4 | 3,192.63 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,971.49 | 1/2 | 4,617.40 | 1/2 | 4,259.99 | 1/2 | 3,901.71 | 1/2 | 3,543.44 | 1/2 | 3,185.17 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,964.68 | 3/4 | 4,609.96 | 3/4 | 4,252.52 | 3/4 | 3,894.25 | 3/4 | 3,535.98 | 3/4 | 3,177.71 |
| 8   |       | 8   |       | 8   |       | 8   |       | 8   | 4,957.88 | 8   | 4,602.51 | 8   | 4,245.06 | 8   | 3,886.79 | 8   | 3,528.51 | 8   | 3,170.24 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,950.54 | 1/4 | 4,595.07 | 1/4 | 4,237.59 | 1/4 | 3,879.32 | 1/4 | 3,521.05 | 1/4 | 3,162.78 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,943.20 | 1/2 | 4,587.63 | 1/2 | 4,230.13 | 1/2 | 3,871.86 | 1/2 | 3,513.59 | 1/2 | 3,155.31 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,935.86 | 3/4 | 4,580.19 | 3/4 | 4,222.67 | 3/4 | 3,864.39 | 3/4 | 3,506.12 | 3/4 | 3,147.85 |
| 9   |       | 9   |       | 9   |       | 9   |       | 9   | 4,928.52 | 9   | 4,572.75 | 9   | 4,215.20 | 9   | 3,856.93 | 9   | 3,498.66 | 9   | 3,140.39 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,921.12 | 1/4 | 4,565.30 | 1/4 | 4,207.74 | 1/4 | 3,849.47 | 1/4 | 3,491.19 | 1/4 | 3,132.92 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,913.71 | 1/2 | 4,557.86 | 1/2 | 4,200.27 | 1/2 | 3,842.00 | 1/2 | 3,483.73 | 1/2 | 3,125.46 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,906.30 | 3/4 | 4,550.42 | 3/4 | 4,192.81 | 3/4 | 3,834.54 | 3/4 | 3,476.27 | 3/4 | 3,117.99 |
| 10  |       | 10  |       | 10  |       | 10  |       | 10  | 4,898.90 | 10  | 4,542.98 | 10  | 4,185.35 | 10  | 3,827.07 | 10  | 3,468.80 | 10  | 3,110.53 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,891.49 | 1/4 | 4,535.53 | 1/4 | 4,177.88 | 1/4 | 3,819.61 | 1/4 | 3,461.34 | 1/4 | 3,103.07 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,884.08 | 1/2 | 4,528.09 | 1/2 | 4,170.42 | 1/2 | 3,812.15 | 1/2 | 3,453.87 | 1/2 | 3,095.60 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,876.68 | 3/4 | 4,520.65 | 3/4 | 4,162.95 | 3/4 | 3,804.68 | 3/4 | 3,446.41 | 3/4 | 3,088.14 |
| 11  |       | 11  |       | 11  |       | 11  |       | 11  | 4,869.27 | 11  | 4,513.21 | 11  | 4,155.49 | 11  | 3,797.22 | 11  | 3,438.95 | 11  | 3,080.67 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,861.86 | 1/4 | 4,505.76 | 1/4 | 4,148.03 | 1/4 | 3,789.75 | 1/4 | 3,431.48 | 1/4 | 3,073.21 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,854.46 | 1/2 | 4,498.32 | 1/2 | 4,140.56 | 1/2 | 3,782.29 | 1/2 | 3,424.02 | 1/2 | 3,065.75 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,847.05 | 3/4 | 4,490.88 | 3/4 | 4,133.10 | 3/4 | 3,774.83 | 3/4 | 3,416.55 | 3/4 | 3,058.28 |

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 DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 03'-00" OFF CENTERLINE AND 01'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "LACB - 118"

1 STBD

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 29248"

GAUGE HEIGHT 18'-10"

| IN  | 10 FT.   | IN  | 11 FT.   | IN  | 12 FT.   | IN  | 13 FT.   | IN  | 14 FT.   | IN  | 15 FT.   | IN  | 16 FT. | IN  | 17 FT. | IN  | 18 FT. | IN  | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0   | 3,050.82 | 0   | 2,692.43 | 0   | 2,333.96 | 0   | 1,975.49 | 0   | 1,617.02 | 0   | 1,258.55 | 0   | 900.33 | 0   | 542.23 | 0   | 208.92 | 0   |        |
| 1/4 | 3,043.35 | 1/4 | 2,684.96 | 1/4 | 2,326.49 | 1/4 | 1,968.02 | 1/4 | 1,609.56 | 1/4 | 1,251.09 | 1/4 | 892.88 | 1/4 | 534.85 | 1/4 | 202.50 | 1/4 |        |
| 1/2 | 3,035.89 | 1/2 | 2,677.49 | 1/2 | 2,319.02 | 1/2 | 1,960.56 | 1/2 | 1,602.09 | 1/2 | 1,243.62 | 1/2 | 885.42 | 1/2 | 527.47 | 1/2 | 196.07 | 1/2 |        |
| 3/4 | 3,028.43 | 3/4 | 2,670.03 | 3/4 | 2,311.56 | 3/4 | 1,953.09 | 3/4 | 1,594.62 | 3/4 | 1,236.15 | 3/4 | 877.97 | 3/4 | 520.10 | 3/4 | 189.65 | 3/4 |        |
| 1   | 3,020.96 | 1   | 2,662.56 | 1   | 2,304.09 | 1   | 1,945.62 | 1   | 1,587.15 | 1   | 1,228.68 | 1   | 870.52 | 1   | 512.72 | 1   | 183.22 | 1   |        |
| 1/4 | 3,013.50 | 1/4 | 2,655.09 | 1/4 | 2,296.62 | 1/4 | 1,938.15 | 1/4 | 1,579.68 | 1/4 | 1,221.21 | 1/4 | 863.06 | 1/4 | 505.42 | 1/4 | 176.87 | 1/4 |        |
| 1/2 | 3,006.03 | 1/2 | 2,647.62 | 1/2 | 2,289.15 | 1/2 | 1,930.68 | 1/2 | 1,572.21 | 1/2 | 1,213.75 | 1/2 | 855.61 | 1/2 | 498.12 | 1/2 | 170.52 | 1/2 |        |
| 3/4 | 2,998.57 | 3/4 | 2,640.15 | 3/4 | 2,281.68 | 3/4 | 1,923.22 | 3/4 | 1,564.75 | 3/4 | 1,206.28 | 3/4 | 848.15 | 3/4 | 490.82 | 3/4 | 164.17 | 3/4 |        |
| 2   | 2,991.11 | 2   | 2,632.68 | 2   | 2,274.22 | 2   | 1,915.75 | 2   | 1,557.28 | 2   | 1,198.81 | 2   | 840.70 | 2   | 483.52 | 2   | 157.82 | 2   |        |
| 1/4 | 2,983.64 | 1/4 | 2,625.22 | 1/4 | 2,266.75 | 1/4 | 1,908.28 | 1/4 | 1,549.81 | 1/4 | 1,191.34 | 1/4 | 833.25 | 1/4 | 476.30 | 1/4 | 151.55 | 1/4 |        |
| 1/2 | 2,976.18 | 1/2 | 2,617.75 | 1/2 | 2,259.28 | 1/2 | 1,900.81 | 1/2 | 1,542.34 | 1/2 | 1,183.87 | 1/2 | 825.79 | 1/2 | 469.08 | 1/2 | 145.27 | 1/2 |        |
| 3/4 | 2,968.71 | 3/4 | 2,610.28 | 3/4 | 2,251.81 | 3/4 | 1,893.34 | 3/4 | 1,534.87 | 3/4 | 1,176.41 | 3/4 | 818.34 | 3/4 | 461.86 | 3/4 | 138.99 | 3/4 |        |
| 3   | 2,961.25 | 3   | 2,602.81 | 3   | 2,244.34 | 3   | 1,885.87 | 3   | 1,527.41 | 3   | 1,168.94 | 3   | 810.88 | 3   | 454.63 | 3   | 132.72 | 3   |        |
| 1/4 | 2,953.79 | 1/4 | 2,595.34 | 1/4 | 2,236.88 | 1/4 | 1,878.41 | 1/4 | 1,519.94 | 1/4 | 1,161.47 | 1/4 | 803.43 | 1/4 | 447.49 | 1/4 | 126.52 | 1/4 |        |
| 1/2 | 2,946.32 | 1/2 | 2,587.88 | 1/2 | 2,229.41 | 1/2 | 1,870.94 | 1/2 | 1,512.47 | 1/2 | 1,154.00 | 1/2 | 795.97 | 1/2 | 440.35 | 1/2 | 120.32 | 1/2 |        |
| 3/4 | 2,938.86 | 3/4 | 2,580.41 | 3/4 | 2,221.94 | 3/4 | 1,863.47 | 3/4 | 1,505.00 | 3/4 | 1,146.53 | 3/4 | 788.52 | 3/4 | 433.21 | 3/4 | 114.13 | 3/4 |        |
| 4   | 2,931.39 | 4   | 2,572.94 | 4   | 2,214.47 | 4   | 1,856.00 | 4   | 1,497.53 | 4   | 1,139.06 | 4   | 781.07 | 4   | 426.07 | 4   | 107.93 | 4   |        |
| 1/4 | 2,923.93 | 1/4 | 2,565.47 | 1/4 | 2,207.00 | 1/4 | 1,848.53 | 1/4 | 1,490.07 | 1/4 | 1,131.60 | 1/4 | 773.60 | 1/4 | 419.01 | 1/4 | 101.81 | 1/4 |        |
| 1/2 | 2,916.47 | 1/2 | 2,558.00 | 1/2 | 2,199.54 | 1/2 | 1,841.07 | 1/2 | 1,482.60 | 1/2 | 1,124.13 | 1/2 | 766.14 | 1/2 | 411.95 | 1/2 | 95.70  | 1/2 |        |
| 3/4 | 2,909.00 | 3/4 | 2,550.54 | 3/4 | 2,192.07 | 3/4 | 1,833.60 | 3/4 | 1,475.13 | 3/4 | 1,116.66 | 3/4 | 758.68 | 3/4 | 404.89 | 3/4 | 89.58  | 3/4 |        |
| 5   | 2,901.54 | 5   | 2,543.07 | 5   | 2,184.60 | 5   | 1,826.13 | 5   | 1,467.66 | 5   | 1,109.19 | 5   | 751.22 | 5   | 397.83 | 5   | 83.47  | 5   |        |
| 1/4 | 2,894.07 | 1/4 | 2,535.60 | 1/4 | 2,177.13 | 1/4 | 1,818.66 | 1/4 | 1,460.19 | 1/4 | 1,101.72 | 1/4 | 743.75 | 1/4 | 390.85 | 1/4 | 77.43  | 1/4 |        |
| 1/2 | 2,886.60 | 1/2 | 2,528.13 | 1/2 | 2,169.66 | 1/2 | 1,811.19 | 1/2 | 1,452.73 | 1/2 | 1,094.26 | 1/2 | 736.29 | 1/2 | 383.87 | 1/2 | 71.40  | 1/2 |        |
| 3/4 | 2,879.13 | 3/4 | 2,520.66 | 3/4 | 2,162.19 | 3/4 | 1,803.73 | 3/4 | 1,445.26 | 3/4 | 1,086.79 | 3/4 | 728.82 | 3/4 | 376.89 | 3/4 | 65.36  | 3/4 |        |
| 6   | 2,871.66 | 6   | 2,513.20 | 6   | 2,154.73 | 6   | 1,796.26 | 6   | 1,437.79 | 6   | 1,079.32 | 6   | 721.35 | 6   | 369.91 | 6   | 59.33  | 6   |        |
| 1/4 | 2,864.20 | 1/4 | 2,505.73 | 1/4 | 2,147.26 | 1/4 | 1,788.79 | 1/4 | 1,430.32 | 1/4 | 1,071.86 | 1/4 | 713.88 | 1/4 | 363.01 | 1/4 | 53.84  | 1/4 |        |
| 1/2 | 2,856.73 | 1/2 | 2,498.26 | 1/2 | 2,139.79 | 1/2 | 1,781.32 | 1/2 | 1,422.85 | 1/2 | 1,064.39 | 1/2 | 706.42 | 1/2 | 356.11 | 1/2 | 48.35  | 1/2 |        |
| 3/4 | 2,849.26 | 3/4 | 2,490.79 | 3/4 | 2,132.32 | 3/4 | 1,773.85 | 3/4 | 1,415.38 | 3/4 | 1,056.93 | 3/4 | 698.95 | 3/4 | 349.20 | 3/4 | 42.87  | 3/4 |        |
| 7   | 2,841.79 | 7   | 2,483.32 | 7   | 2,124.85 | 7   | 1,766.39 | 7   | 1,407.92 | 7   | 1,049.46 | 7   | 691.48 | 7   | 342.30 | 7   | 37.38  | 7   |        |
| 1/4 | 2,834.32 | 1/4 | 2,475.85 | 1/4 | 2,117.39 | 1/4 | 1,758.92 | 1/4 | 1,400.45 | 1/4 | 1,042.00 | 1/4 | 684.01 | 1/4 | 335.47 | 1/4 | 33.38  | 1/4 |        |
| 1/2 | 2,826.86 | 1/2 | 2,468.39 | 1/2 | 2,109.92 | 1/2 | 1,751.45 | 1/2 | 1,392.98 | 1/2 | 1,034.54 | 1/2 | 676.54 | 1/2 | 328.64 | 1/2 | 29.37  | 1/2 |        |
| 3/4 | 2,819.39 | 3/4 | 2,460.92 | 3/4 | 2,102.45 | 3/4 | 1,743.98 | 3/4 | 1,385.51 | 3/4 | 1,027.08 | 3/4 | 669.08 | 3/4 | 321.81 | 3/4 | 25.37  | 3/4 |        |
| 8   | 2,811.92 | 8   | 2,453.45 | 8   | 2,094.98 | 8   | 1,736.51 | 8   | 1,378.04 | 8   | 1,019.61 | 8   | 661.61 | 8   | 314.98 | 8   | 21.36  | 8   |        |
| 1/4 | 2,804.45 | 1/4 | 2,445.98 | 1/4 | 2,087.51 | 1/4 | 1,729.04 | 1/4 | 1,370.58 | 1/4 | 1,012.16 | 1/4 | 654.14 | 1/4 | 308.23 | 1/4 | 18.45  | 1/4 |        |
| 1/2 | 2,796.98 | 1/2 | 2,438.51 | 1/2 | 2,080.05 | 1/2 | 1,721.58 | 1/2 | 1,363.11 | 1/2 | 1,004.70 | 1/2 | 646.67 | 1/2 | 301.48 | 1/2 | 15.53  | 1/2 |        |
| 3/4 | 2,789.51 | 3/4 | 2,431.05 | 3/4 | 2,072.58 | 3/4 | 1,714.11 | 3/4 | 1,355.64 | 3/4 | 997.24   | 3/4 | 639.20 | 3/4 | 294.73 | 3/4 | 12.62  | 3/4 |        |
| 9   | 2,782.05 | 9   | 2,423.58 | 9   | 2,065.11 | 9   | 1,706.64 | 9   | 1,348.17 | 9   | 989.78   | 9   | 631.74 | 9   | 287.98 | 9   | 9.70   | 9   |        |
| 1/4 | 2,774.58 | 1/4 | 2,416.11 | 1/4 | 2,057.64 | 1/4 | 1,699.17 | 1/4 | 1,340.70 | 1/4 | 982.33   | 1/4 | 624.27 | 1/4 | 281.31 | 1/4 | 7.84   | 1/4 |        |
| 1/2 | 2,767.11 | 1/2 | 2,408.64 | 1/2 | 2,050.17 | 1/2 | 1,691.70 | 1/2 | 1,333.24 | 1/2 | 974.87   | 1/2 | 616.80 | 1/2 | 274.64 | 1/2 | 5.97   | 1/2 |        |
| 3/4 | 2,759.64 | 3/4 | 2,401.17 | 3/4 | 2,042.70 | 3/4 | 1,684.24 | 3/4 | 1,325.77 | 3/4 | 967.42   | 3/4 | 609.33 | 3/4 | 267.97 | 3/4 | 4.10   | 3/4 |        |
| 10  | 2,752.17 | 10  | 2,393.71 | 10  | 2,035.24 | 10  | 1,676.77 | 10  | 1,318.30 | 10  | 959.97   | 10  | 601.86 | 10  | 261.30 | 10  | 2.24   | 10  |        |
| 1/4 | 2,744.71 | 1/4 | 2,386.24 | 1/4 | 2,027.77 | 1/4 | 1,669.30 | 1/4 | 1,310.83 | 1/4 | 952.51   | 1/4 | 594.40 | 1/4 | 254.71 | 1/4 |        | 1/4 |        |
| 1/2 | 2,737.24 | 1/2 | 2,378.77 | 1/2 | 2,020.30 | 1/2 | 1,661.83 | 1/2 | 1,303.36 | 1/2 | 945.06   | 1/2 | 586.93 | 1/2 | 248.13 | 1/2 |        | 1/2 |        |
| 3/4 | 2,729.77 | 3/4 | 2,371.30 | 3/4 | 2,012.83 | 3/4 | 1,654.36 | 3/4 | 1,295.89 | 3/4 | 937.60   | 3/4 | 579.46 | 3/4 | 241.54 | 3/4 |        | 3/4 |        |
| 11  | 2,722.30 | 11  | 2,363.83 | 11  | 2,005.36 | 11  | 1,646.90 | 11  | 1,288.43 | 11  | 930.15   | 11  | 571.99 | 11  | 234.95 | 11  |        | 11  |        |
| 1/4 | 2,714.83 | 1/4 | 2,356.37 | 1/4 | 1,997.90 | 1/4 | 1,639.43 | 1/4 | 1,280.96 | 1/4 | 922.70   | 1/4 | 564.55 | 1/4 | 228.44 | 1/4 |        | 1/4 |        |
| 1/2 | 2,707.37 | 1/2 | 2,348.90 | 1/2 | 1,990.43 | 1/2 | 1,631.96 | 1/2 | 1,273.49 | 1/2 | 915.24   | 1/2 | 557.11 | 1/2 | 221.94 | 1/2 |        | 1/2 |        |
| 3/4 | 2,699.90 | 3/4 | 2,341.43 | 3/4 | 1,982.96 | 3/4 | 1,624.49 | 3/4 | 1,266.02 | 3/4 | 907.79   | 3/4 | 549.67 | 3/4 | 215.43 | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/01/2013 CL  
RECALCULATED: 06/02/2020 CL  
NAME CHANGE: 08/24/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2023

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



# BARGE "LACB - 118"

## 2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 29248"

GAUGE HEIGHT 18'-10 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   |          | 0   | 4,917.01 | 0   | 4,559.87 | 0   | 4,201.14 | 0   | 3,841.90 | 0   | 3,482.66 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |          | 1/4 | 4,909.58 | 1/4 | 4,552.41 | 1/4 | 4,193.65 | 1/4 | 3,834.41 | 1/4 | 3,475.18 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |          | 1/2 | 4,902.16 | 1/2 | 4,544.95 | 1/2 | 4,186.17 | 1/2 | 3,826.93 | 1/2 | 3,467.69 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |          | 3/4 | 4,894.73 | 3/4 | 4,537.49 | 3/4 | 4,178.68 | 3/4 | 3,819.45 | 3/4 | 3,460.21 |
| 1   |       | 1   |       | 1   |       | 1   |       | 1   |          | 1   | 4,887.31 | 1   | 4,530.02 | 1   | 4,171.20 | 1   | 3,811.96 | 1   | 3,452.73 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |          | 1/4 | 4,879.88 | 1/4 | 4,522.56 | 1/4 | 4,163.71 | 1/4 | 3,804.48 | 1/4 | 3,445.24 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |          | 1/2 | 4,872.46 | 1/2 | 4,515.10 | 1/2 | 4,156.23 | 1/2 | 3,796.99 | 1/2 | 3,437.76 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |          | 3/4 | 4,865.04 | 3/4 | 4,507.64 | 3/4 | 4,148.75 | 3/4 | 3,789.51 | 3/4 | 3,430.27 |
| 2   |       | 2   |       | 2   |       | 2   |       | 2   |          | 2   | 4,857.62 | 2   | 4,500.17 | 2   | 4,141.26 | 2   | 3,782.03 | 2   | 3,422.79 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 5,129.10 | 1/4 | 4,850.19 | 1/4 | 4,492.71 | 1/4 | 4,133.78 | 1/4 | 3,774.54 | 1/4 | 3,415.30 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 5,127.56 | 1/2 | 4,842.77 | 1/2 | 4,485.25 | 1/2 | 4,126.29 | 1/2 | 3,767.06 | 1/2 | 3,407.82 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 5,126.01 | 3/4 | 4,835.35 | 3/4 | 4,477.79 | 3/4 | 4,118.81 | 3/4 | 3,759.57 | 3/4 | 3,400.34 |
| 3   |       | 3   |       | 3   |       | 3   |       | 3   | 5,124.47 | 3   | 4,827.92 | 3   | 4,470.33 | 3   | 4,111.33 | 3   | 3,752.09 | 3   | 3,392.85 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 5,122.93 | 1/4 | 4,820.50 | 1/4 | 4,462.86 | 1/4 | 4,103.84 | 1/4 | 3,744.61 | 1/4 | 3,385.37 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 5,120.32 | 1/2 | 4,813.08 | 1/2 | 4,455.40 | 1/2 | 4,096.36 | 1/2 | 3,737.12 | 1/2 | 3,377.88 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 5,117.70 | 3/4 | 4,805.66 | 3/4 | 4,447.94 | 3/4 | 4,088.87 | 3/4 | 3,729.64 | 3/4 | 3,370.40 |
| 4   |       | 4   |       | 4   |       | 4   |       | 4   | 5,115.09 | 4   | 4,798.23 | 4   | 4,440.48 | 4   | 4,081.39 | 4   | 3,722.15 | 4   | 3,362.92 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 5,112.48 | 1/4 | 4,790.81 | 1/4 | 4,433.01 | 1/4 | 4,073.91 | 1/4 | 3,714.67 | 1/4 | 3,355.43 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 5,108.79 | 1/2 | 4,783.39 | 1/2 | 4,425.55 | 1/2 | 4,066.42 | 1/2 | 3,707.18 | 1/2 | 3,347.95 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 5,105.11 | 3/4 | 4,775.97 | 3/4 | 4,418.09 | 3/4 | 4,058.94 | 3/4 | 3,699.70 | 3/4 | 3,340.46 |
| 5   |       | 5   |       | 5   |       | 5   |       | 5   | 5,101.43 | 5   | 4,768.54 | 5   | 4,410.63 | 5   | 4,051.45 | 5   | 3,692.22 | 5   | 3,332.98 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 5,097.75 | 1/4 | 4,761.12 | 1/4 | 4,403.16 | 1/4 | 4,043.97 | 1/4 | 3,684.73 | 1/4 | 3,325.50 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 5,092.99 | 1/2 | 4,753.70 | 1/2 | 4,395.69 | 1/2 | 4,036.48 | 1/2 | 3,677.25 | 1/2 | 3,318.01 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 5,088.24 | 3/4 | 4,746.27 | 3/4 | 4,388.22 | 3/4 | 4,029.00 | 3/4 | 3,669.76 | 3/4 | 3,310.53 |
| 6   |       | 6   |       | 6   |       | 6   |       | 6   | 5,083.49 | 6   | 4,738.85 | 6   | 4,380.74 | 6   | 4,021.52 | 6   | 3,662.28 | 6   | 3,303.04 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 5,078.74 | 1/4 | 4,731.43 | 1/4 | 4,373.27 | 1/4 | 4,014.03 | 1/4 | 3,654.80 | 1/4 | 3,295.56 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 5,072.91 | 1/2 | 4,723.99 | 1/2 | 4,365.79 | 1/2 | 4,006.55 | 1/2 | 3,647.31 | 1/2 | 3,288.07 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 5,067.09 | 3/4 | 4,716.54 | 3/4 | 4,358.30 | 3/4 | 3,999.06 | 3/4 | 3,639.83 | 3/4 | 3,280.59 |
| 7   |       | 7   |       | 7   |       | 7   |       | 7   | 5,061.27 | 7   | 4,709.10 | 7   | 4,350.82 | 7   | 3,991.58 | 7   | 3,632.34 | 7   | 3,273.11 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 5,055.45 | 1/4 | 4,701.66 | 1/4 | 4,343.33 | 1/4 | 3,984.10 | 1/4 | 3,624.86 | 1/4 | 3,265.62 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 5,048.62 | 1/2 | 4,694.20 | 1/2 | 4,335.85 | 1/2 | 3,976.61 | 1/2 | 3,617.38 | 1/2 | 3,258.14 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 5,041.80 | 3/4 | 4,686.73 | 3/4 | 4,328.36 | 3/4 | 3,969.13 | 3/4 | 3,609.89 | 3/4 | 3,250.65 |
| 8   |       | 8   |       | 8   |       | 8   |       | 8   | 5,034.97 | 8   | 4,679.27 | 8   | 4,320.88 | 8   | 3,961.64 | 8   | 3,602.41 | 8   | 3,243.17 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 5,028.15 | 1/4 | 4,671.81 | 1/4 | 4,313.40 | 1/4 | 3,954.16 | 1/4 | 3,594.92 | 1/4 | 3,235.69 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 5,020.78 | 1/2 | 4,664.35 | 1/2 | 4,305.91 | 1/2 | 3,946.68 | 1/2 | 3,587.44 | 1/2 | 3,228.20 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 5,013.42 | 3/4 | 4,656.89 | 3/4 | 4,298.43 | 3/4 | 3,939.19 | 3/4 | 3,579.95 | 3/4 | 3,220.72 |
| 9   |       | 9   |       | 9   |       | 9   |       | 9   | 5,006.06 | 9   | 4,649.42 | 9   | 4,290.94 | 9   | 3,931.71 | 9   | 3,572.47 | 9   | 3,213.23 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,998.70 | 1/4 | 4,641.96 | 1/4 | 4,283.46 | 1/4 | 3,924.22 | 1/4 | 3,564.99 | 1/4 | 3,205.75 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,991.28 | 1/2 | 4,634.50 | 1/2 | 4,275.98 | 1/2 | 3,916.74 | 1/2 | 3,557.50 | 1/2 | 3,198.27 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,983.85 | 3/4 | 4,627.04 | 3/4 | 4,268.49 | 3/4 | 3,909.26 | 3/4 | 3,550.02 | 3/4 | 3,190.78 |
| 10  |       | 10  |       | 10  |       | 10  |       | 10  | 4,976.42 | 10  | 4,619.57 | 10  | 4,261.01 | 10  | 3,901.77 | 10  | 3,542.53 | 10  | 3,183.30 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,969.00 | 1/4 | 4,612.11 | 1/4 | 4,253.52 | 1/4 | 3,894.29 | 1/4 | 3,535.05 | 1/4 | 3,175.81 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,961.57 | 1/2 | 4,604.65 | 1/2 | 4,246.04 | 1/2 | 3,886.80 | 1/2 | 3,527.57 | 1/2 | 3,168.33 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,954.14 | 3/4 | 4,597.19 | 3/4 | 4,238.56 | 3/4 | 3,879.32 | 3/4 | 3,520.08 | 3/4 | 3,160.85 |
| 11  |       | 11  |       | 11  |       | 11  |       | 11  | 4,946.72 | 11  | 4,589.72 | 11  | 4,231.07 | 11  | 3,871.83 | 11  | 3,512.60 | 11  | 3,153.36 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,939.29 | 1/4 | 4,582.26 | 1/4 | 4,223.59 | 1/4 | 3,864.35 | 1/4 | 3,505.11 | 1/4 | 3,145.88 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,931.86 | 1/2 | 4,574.80 | 1/2 | 4,216.10 | 1/2 | 3,856.87 | 1/2 | 3,497.63 | 1/2 | 3,138.39 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,924.44 | 3/4 | 4,567.34 | 3/4 | 4,208.62 | 3/4 | 3,849.38 | 3/4 | 3,490.15 | 3/4 | 3,130.91 |

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 DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 03'-00" OFF CENTERLINE AND 01'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092

Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "LACB - 118"

2 PORT

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 29248"

GAUGE HEIGHT 18'-10 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   | 3,123.42 | 0   | 2,764.09 | 0   | 2,404.65 | 0   | 2,045.22 | 0   | 1,685.79 | 0   | 1,326.35 | 0   | 975.51 | 0   | 621.87 | 0   | 262.44 | 0   |        |
| 1/4 | 3,115.94 | 1/4 | 2,756.60 | 1/4 | 2,397.17 | 1/4 | 2,037.73 | 1/4 | 1,678.30 | 1/4 | 1,318.86 | 1/4 | 968.32 | 1/4 | 614.38 | 1/4 | 254.96 | 1/4 |        |
| 1/2 | 3,108.46 | 1/2 | 2,749.11 | 1/2 | 2,389.68 | 1/2 | 2,030.24 | 1/2 | 1,670.81 | 1/2 | 1,311.38 | 1/2 | 961.14 | 1/2 | 606.89 | 1/2 | 247.47 | 1/2 |        |
| 3/4 | 3,100.97 | 3/4 | 2,741.62 | 3/4 | 2,382.19 | 3/4 | 2,022.76 | 3/4 | 1,663.32 | 3/4 | 1,303.89 | 3/4 | 953.96 | 3/4 | 599.40 | 3/4 | 239.98 | 3/4 |        |
| 1   | 3,093.49 | 1   | 2,734.13 | 1   | 2,374.70 | 1   | 2,015.27 | 1   | 1,655.83 | 1   | 1,296.40 | 1   | 946.77 | 1   | 591.92 | 1   | 232.49 | 1   |        |
| 1/4 | 3,086.00 | 1/4 | 2,726.65 | 1/4 | 2,367.21 | 1/4 | 2,007.78 | 1/4 | 1,648.35 | 1/4 | 1,288.91 | 1/4 | 939.59 | 1/4 | 584.43 | 1/4 | 225.00 | 1/4 |        |
| 1/2 | 3,078.52 | 1/2 | 2,719.16 | 1/2 | 2,359.72 | 1/2 | 2,000.29 | 1/2 | 1,640.86 | 1/2 | 1,281.42 | 1/2 | 932.40 | 1/2 | 576.94 | 1/2 | 217.52 | 1/2 |        |
| 3/4 | 3,071.04 | 3/4 | 2,711.67 | 3/4 | 2,352.24 | 3/4 | 1,992.80 | 3/4 | 1,633.37 | 3/4 | 1,273.94 | 3/4 | 925.22 | 3/4 | 569.45 | 3/4 | 210.03 | 3/4 |        |
| 2   | 3,063.55 | 2   | 2,704.18 | 2   | 2,344.75 | 2   | 1,985.31 | 2   | 1,625.88 | 2   | 1,266.45 | 2   | 918.04 | 2   | 561.96 | 2   | 202.54 | 2   |        |
| 1/4 | 3,056.07 | 1/4 | 2,696.69 | 1/4 | 2,337.26 | 1/4 | 1,977.83 | 1/4 | 1,618.39 | 1/4 | 1,258.96 | 1/4 | 910.85 | 1/4 | 554.48 | 1/4 | 195.05 | 1/4 |        |
| 1/2 | 3,048.58 | 1/2 | 2,689.20 | 1/2 | 2,329.77 | 1/2 | 1,970.34 | 1/2 | 1,610.90 | 1/2 | 1,251.47 | 1/2 | 903.67 | 1/2 | 546.99 | 1/2 | 187.56 | 1/2 |        |
| 3/4 | 3,041.10 | 3/4 | 2,681.72 | 3/4 | 2,322.28 | 3/4 | 1,962.85 | 3/4 | 1,603.42 | 3/4 | 1,243.98 | 3/4 | 896.48 | 3/4 | 539.50 | 3/4 | 180.08 | 3/4 |        |
| 3   | 3,033.62 | 3   | 2,674.23 | 3   | 2,314.79 | 3   | 1,955.36 | 3   | 1,595.93 | 3   | 1,236.49 | 3   | 889.30 | 3   | 532.01 | 3   | 172.59 | 3   |        |
| 1/4 | 3,026.13 | 1/4 | 2,666.74 | 1/4 | 2,307.31 | 1/4 | 1,947.87 | 1/4 | 1,588.44 | 1/4 | 1,229.01 | 1/4 | 882.11 | 1/4 | 524.52 | 1/4 | 165.10 | 1/4 |        |
| 1/2 | 3,018.65 | 1/2 | 2,659.25 | 1/2 | 2,299.82 | 1/2 | 1,940.38 | 1/2 | 1,580.95 | 1/2 | 1,221.52 | 1/2 | 874.93 | 1/2 | 517.04 | 1/2 | 157.61 | 1/2 |        |
| 3/4 | 3,011.16 | 3/4 | 2,651.76 | 3/4 | 2,292.33 | 3/4 | 1,932.90 | 3/4 | 1,573.46 | 3/4 | 1,214.03 | 3/4 | 867.75 | 3/4 | 509.55 | 3/4 | 150.12 | 3/4 |        |
| 4   | 3,003.68 | 4   | 2,644.28 | 4   | 2,284.84 | 4   | 1,925.41 | 4   | 1,565.97 | 4   | 1,206.54 | 4   | 860.56 | 4   | 502.06 | 4   | 142.64 | 4   |        |
| 1/4 | 2,996.20 | 1/4 | 2,636.79 | 1/4 | 2,277.35 | 1/4 | 1,917.92 | 1/4 | 1,558.49 | 1/4 | 1,199.05 | 1/4 | 853.38 | 1/4 | 494.57 | 1/4 | 135.15 | 1/4 |        |
| 1/2 | 2,988.71 | 1/2 | 2,629.30 | 1/2 | 2,269.87 | 1/2 | 1,910.43 | 1/2 | 1,551.00 | 1/2 | 1,191.71 | 1/2 | 846.04 | 1/2 | 487.08 | 1/2 | 127.66 | 1/2 |        |
| 3/4 | 2,981.23 | 3/4 | 2,621.81 | 3/4 | 2,262.38 | 3/4 | 1,902.94 | 3/4 | 1,543.51 | 3/4 | 1,184.36 | 3/4 | 838.71 | 3/4 | 479.60 | 3/4 | 120.17 | 3/4 |        |
| 5   | 2,973.75 | 5   | 2,614.32 | 5   | 2,254.89 | 5   | 1,895.46 | 5   | 1,536.02 | 5   | 1,177.01 | 5   | 831.38 | 5   | 472.11 | 5   | 112.68 | 5   |        |
| 1/4 | 2,966.27 | 1/4 | 2,606.83 | 1/4 | 2,247.40 | 1/4 | 1,887.97 | 1/4 | 1,528.53 | 1/4 | 1,169.67 | 1/4 | 824.04 | 1/4 | 464.62 | 1/4 | 105.20 | 1/4 |        |
| 1/2 | 2,958.78 | 1/2 | 2,599.35 | 1/2 | 2,239.91 | 1/2 | 1,880.48 | 1/2 | 1,521.05 | 1/2 | 1,162.46 | 1/2 | 816.56 | 1/2 | 457.13 | 1/2 | 97.71  | 1/2 |        |
| 3/4 | 2,951.29 | 3/4 | 2,591.86 | 3/4 | 2,232.42 | 3/4 | 1,872.99 | 3/4 | 1,513.56 | 3/4 | 1,155.26 | 3/4 | 809.07 | 3/4 | 449.64 | 3/4 | 90.22  | 3/4 |        |
| 6   | 2,943.80 | 6   | 2,584.37 | 6   | 2,224.94 | 6   | 1,865.50 | 6   | 1,506.07 | 6   | 1,148.05 | 6   | 801.58 | 6   | 442.16 | 6   | 82.73  | 6   |        |
| 1/4 | 2,936.32 | 1/4 | 2,576.88 | 1/4 | 2,217.45 | 1/4 | 1,858.01 | 1/4 | 1,498.58 | 1/4 | 1,140.84 | 1/4 | 794.09 | 1/4 | 434.67 | 1/4 | 75.24  | 1/4 |        |
| 1/2 | 2,928.83 | 1/2 | 2,569.39 | 1/2 | 2,209.96 | 1/2 | 1,850.53 | 1/2 | 1,491.09 | 1/2 | 1,133.65 | 1/2 | 786.60 | 1/2 | 427.18 | 1/2 | 68.22  | 1/2 |        |
| 3/4 | 2,921.34 | 3/4 | 2,561.91 | 3/4 | 2,202.47 | 3/4 | 1,843.04 | 3/4 | 1,483.60 | 3/4 | 1,126.45 | 3/4 | 779.12 | 3/4 | 419.69 | 3/4 | 61.20  | 3/4 |        |
| 7   | 2,913.85 | 7   | 2,554.42 | 7   | 2,194.98 | 7   | 1,835.55 | 7   | 1,476.12 | 7   | 1,119.25 | 7   | 771.63 | 7   | 412.20 | 7   | 54.18  | 7   |        |
| 1/4 | 2,906.36 | 1/4 | 2,546.93 | 1/4 | 2,187.50 | 1/4 | 1,828.06 | 1/4 | 1,468.63 | 1/4 | 1,112.05 | 1/4 | 764.14 | 1/4 | 404.72 | 1/4 | 47.16  | 1/4 |        |
| 1/2 | 2,898.87 | 1/2 | 2,539.44 | 1/2 | 2,180.01 | 1/2 | 1,820.57 | 1/2 | 1,461.14 | 1/2 | 1,104.86 | 1/2 | 756.65 | 1/2 | 397.23 | 1/2 | 41.55  | 1/2 |        |
| 3/4 | 2,891.39 | 3/4 | 2,531.95 | 3/4 | 2,172.52 | 3/4 | 1,813.09 | 3/4 | 1,453.65 | 3/4 | 1,097.67 | 3/4 | 749.16 | 3/4 | 389.74 | 3/4 | 35.93  | 3/4 |        |
| 8   | 2,883.90 | 8   | 2,524.46 | 8   | 2,165.03 | 8   | 1,805.60 | 8   | 1,446.16 | 8   | 1,090.48 | 8   | 741.68 | 8   | 382.25 | 8   | 30.32  | 8   |        |
| 1/4 | 2,876.41 | 1/4 | 2,516.98 | 1/4 | 2,157.54 | 1/4 | 1,798.11 | 1/4 | 1,438.68 | 1/4 | 1,083.28 | 1/4 | 734.19 | 1/4 | 374.76 | 1/4 | 24.70  | 1/4 |        |
| 1/2 | 2,868.92 | 1/2 | 2,509.49 | 1/2 | 2,150.05 | 1/2 | 1,790.62 | 1/2 | 1,431.19 | 1/2 | 1,076.10 | 1/2 | 726.70 | 1/2 | 367.28 | 1/2 | 20.96  | 1/2 |        |
| 3/4 | 2,861.43 | 3/4 | 2,502.00 | 3/4 | 2,142.57 | 3/4 | 1,783.13 | 3/4 | 1,423.70 | 3/4 | 1,068.91 | 3/4 | 719.21 | 3/4 | 359.79 | 3/4 | 17.21  | 3/4 |        |
| 9   | 2,853.95 | 9   | 2,494.51 | 9   | 2,135.08 | 9   | 1,775.64 | 9   | 1,416.21 | 9   | 1,061.72 | 9   | 711.72 | 9   | 352.30 | 9   | 13.47  | 9   |        |
| 1/4 | 2,846.46 | 1/4 | 2,487.02 | 1/4 | 2,127.59 | 1/4 | 1,768.16 | 1/4 | 1,408.72 | 1/4 | 1,054.53 | 1/4 | 704.24 | 1/4 | 344.81 | 1/4 | 9.73   | 1/4 |        |
| 1/2 | 2,838.97 | 1/2 | 2,479.54 | 1/2 | 2,120.10 | 1/2 | 1,760.67 | 1/2 | 1,401.23 | 1/2 | 1,047.35 | 1/2 | 696.75 | 1/2 | 337.32 | 1/2 | 7.85   | 1/2 |        |
| 3/4 | 2,831.48 | 3/4 | 2,472.05 | 3/4 | 2,112.61 | 3/4 | 1,753.18 | 3/4 | 1,393.75 | 3/4 | 1,040.16 | 3/4 | 689.26 | 3/4 | 329.84 | 3/4 | 5.98   | 3/4 |        |
| 10  | 2,823.99 | 10  | 2,464.56 | 10  | 2,105.13 | 10  | 1,745.69 | 10  | 1,386.26 | 10  | 1,032.98 | 10  | 681.77 | 10  | 322.35 | 10  | 4.11   | 10  |        |
| 1/4 | 2,816.50 | 1/4 | 2,457.07 | 1/4 | 2,097.64 | 1/4 | 1,738.20 | 1/4 | 1,378.77 | 1/4 | 1,025.80 | 1/4 | 674.28 | 1/4 | 314.86 | 1/4 | 2.24   | 1/4 |        |
| 1/2 | 2,809.02 | 1/2 | 2,449.58 | 1/2 | 2,090.15 | 1/2 | 1,730.72 | 1/2 | 1,371.28 | 1/2 | 1,018.61 | 1/2 | 666.80 | 1/2 | 307.37 | 1/2 |        | 1/2 |        |
| 3/4 | 2,801.53 | 3/4 | 2,442.09 | 3/4 | 2,082.66 | 3/4 | 1,723.23 | 3/4 | 1,363.79 | 3/4 | 1,011.43 | 3/4 | 659.31 | 3/4 | 299.88 | 3/4 |        | 3/4 |        |
| 11  | 2,794.04 | 11  | 2,434.61 | 11  | 2,075.17 | 11  | 1,715.74 | 11  | 1,356.31 | 11  | 1,004.24 | 11  | 651.82 | 11  | 292.40 | 11  |        | 11  |        |
| 1/4 | 2,786.55 | 1/4 | 2,427.12 | 1/4 | 2,067.68 | 1/4 | 1,708.25 | 1/4 | 1,348.82 | 1/4 | 997.06   | 1/4 | 644.33 | 1/4 | 284.91 | 1/4 |        | 1/4 |        |
| 1/2 | 2,779.06 | 1/2 | 2,419.63 | 1/2 | 2,060.20 | 1/2 | 1,700.76 | 1/2 | 1,341.33 | 1/2 | 989.88   | 1/2 | 636.84 | 1/2 | 277.42 | 1/2 |        | 1/2 |        |
| 3/4 | 2,771.58 | 3/4 | 2,412.14 | 3/4 | 2,052.71 | 3/4 | 1,693.27 | 3/4 | 1,333.84 | 3/4 | 982.69   | 3/4 | 629.36 | 3/4 | 269.93 | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/01/2013 CL  
RECALCULATED: 06/02/2020 CL  
NAME CHANGE: 08/24/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2023

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



# BARGE "LACB - 118"

2 STBD

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 29248"

GAUGE HEIGHT 18'-10 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   |          | 0   | 4,934.76 | 0   | 4,577.92 | 0   | 4,219.47 | 0   | 3,860.49 | 0   | 3,501.51 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |          | 1/4 | 4,927.33 | 1/4 | 4,570.46 | 1/4 | 4,211.99 | 1/4 | 3,853.01 | 1/4 | 3,494.03 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |          | 1/2 | 4,919.91 | 1/2 | 4,563.01 | 1/2 | 4,204.51 | 1/2 | 3,845.53 | 1/2 | 3,486.56 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |          | 3/4 | 4,912.49 | 3/4 | 4,555.55 | 3/4 | 4,197.03 | 3/4 | 3,838.05 | 3/4 | 3,479.08 |
| 1   |       | 1   |       | 1   |       | 1   |       | 1   |          | 1   | 4,905.07 | 1   | 4,548.09 | 1   | 4,189.55 | 1   | 3,830.58 | 1   | 3,471.60 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |          | 1/4 | 4,897.66 | 1/4 | 4,540.63 | 1/4 | 4,182.07 | 1/4 | 3,823.10 | 1/4 | 3,464.12 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |          | 1/2 | 4,890.24 | 1/2 | 4,533.18 | 1/2 | 4,174.60 | 1/2 | 3,815.62 | 1/2 | 3,456.64 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |          | 3/4 | 4,882.82 | 3/4 | 4,525.72 | 3/4 | 4,167.12 | 3/4 | 3,808.14 | 3/4 | 3,449.16 |
| 2   |       | 2   |       | 2   |       | 2   |       | 2   |          | 2   | 4,875.40 | 2   | 4,518.26 | 2   | 4,159.64 | 2   | 3,800.66 | 2   | 3,441.68 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |          | 1/4 | 4,867.98 | 1/4 | 4,510.81 | 1/4 | 4,152.16 | 1/4 | 3,793.18 | 1/4 | 3,434.20 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 5,139.26 | 1/2 | 4,860.57 | 1/2 | 4,503.35 | 1/2 | 4,144.68 | 1/2 | 3,785.70 | 1/2 | 3,426.73 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 5,137.72 | 3/4 | 4,853.15 | 3/4 | 4,495.89 | 3/4 | 4,137.20 | 3/4 | 3,778.22 | 3/4 | 3,419.25 |
| 3   |       | 3   |       | 3   |       | 3   |       | 3   | 5,136.18 | 3   | 4,848.73 | 3   | 4,488.44 | 3   | 4,129.72 | 3   | 3,770.75 | 3   | 3,411.77 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 5,134.64 | 1/4 | 4,838.32 | 1/4 | 4,480.98 | 1/4 | 4,122.24 | 1/4 | 3,763.27 | 1/4 | 3,404.29 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 5,133.10 | 1/2 | 4,830.90 | 1/2 | 4,473.52 | 1/2 | 4,114.77 | 1/2 | 3,755.79 | 1/2 | 3,396.81 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 5,130.48 | 3/4 | 4,823.48 | 3/4 | 4,466.06 | 3/4 | 4,107.29 | 3/4 | 3,748.31 | 3/4 | 3,389.33 |
| 4   |       | 4   |       | 4   |       | 4   |       | 4   | 5,127.87 | 4   | 4,816.06 | 4   | 4,458.61 | 4   | 4,099.81 | 4   | 3,740.83 | 4   | 3,381.85 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 5,125.26 | 1/4 | 4,808.65 | 1/4 | 4,451.15 | 1/4 | 4,092.33 | 1/4 | 3,733.35 | 1/4 | 3,374.37 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 5,122.65 | 1/2 | 4,801.23 | 1/2 | 4,443.69 | 1/2 | 4,084.85 | 1/2 | 3,725.87 | 1/2 | 3,366.90 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 5,118.97 | 3/4 | 4,793.81 | 3/4 | 4,436.24 | 3/4 | 4,077.37 | 3/4 | 3,718.39 | 3/4 | 3,359.42 |
| 5   |       | 5   |       | 5   |       | 5   |       | 5   | 5,115.29 | 5   | 4,786.40 | 5   | 4,428.78 | 5   | 4,069.89 | 5   | 3,710.92 | 5   | 3,351.94 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 5,111.61 | 1/4 | 4,778.98 | 1/4 | 4,421.32 | 1/4 | 4,062.41 | 1/4 | 3,703.44 | 1/4 | 3,344.46 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 5,107.93 | 1/2 | 4,771.56 | 1/2 | 4,413.87 | 1/2 | 4,054.94 | 1/2 | 3,695.96 | 1/2 | 3,336.98 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 5,103.18 | 3/4 | 4,764.14 | 3/4 | 4,406.40 | 3/4 | 4,047.46 | 3/4 | 3,688.48 | 3/4 | 3,329.50 |
| 6   |       | 6   |       | 6   |       | 6   |       | 6   | 5,098.43 | 6   | 4,756.73 | 6   | 4,398.93 | 6   | 4,039.98 | 6   | 3,681.00 | 6   | 3,322.02 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 5,093.69 | 1/4 | 4,749.31 | 1/4 | 4,391.47 | 1/4 | 4,032.50 | 1/4 | 3,673.52 | 1/4 | 3,314.54 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 5,088.94 | 1/2 | 4,741.89 | 1/2 | 4,384.00 | 1/2 | 4,025.02 | 1/2 | 3,666.04 | 1/2 | 3,307.07 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 5,083.12 | 3/4 | 4,734.46 | 3/4 | 4,376.52 | 3/4 | 4,017.54 | 3/4 | 3,658.57 | 3/4 | 3,299.59 |
| 7   |       | 7   |       | 7   |       | 7   |       | 7   | 5,077.30 | 7   | 4,727.02 | 7   | 4,369.04 | 7   | 4,010.06 | 7   | 3,651.09 | 7   | 3,292.11 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 5,071.48 | 1/4 | 4,719.58 | 1/4 | 4,361.56 | 1/4 | 4,002.59 | 1/4 | 3,643.61 | 1/4 | 3,284.63 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 5,065.67 | 1/2 | 4,712.15 | 1/2 | 4,354.08 | 1/2 | 3,995.11 | 1/2 | 3,636.13 | 1/2 | 3,277.15 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 5,058.85 | 3/4 | 4,704.69 | 3/4 | 4,346.61 | 3/4 | 3,987.63 | 3/4 | 3,628.65 | 3/4 | 3,269.67 |
| 8   |       | 8   |       | 8   |       | 8   |       | 8   | 5,052.03 | 8   | 4,697.23 | 8   | 4,339.13 | 8   | 3,980.15 | 8   | 3,621.17 | 8   | 3,262.19 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 5,045.21 | 1/4 | 4,689.77 | 1/4 | 4,331.65 | 1/4 | 3,972.67 | 1/4 | 3,613.69 | 1/4 | 3,254.72 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 5,038.39 | 1/2 | 4,682.32 | 1/2 | 4,324.17 | 1/2 | 3,965.19 | 1/2 | 3,606.21 | 1/2 | 3,247.24 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 5,031.03 | 3/4 | 4,674.86 | 3/4 | 4,316.69 | 3/4 | 3,957.71 | 3/4 | 3,598.74 | 3/4 | 3,239.76 |
| 9   |       | 9   |       | 9   |       | 9   |       | 9   | 5,023.68 | 9   | 4,667.40 | 9   | 4,309.21 | 9   | 3,950.23 | 9   | 3,591.26 | 9   | 3,232.28 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 5,016.32 | 1/4 | 4,659.95 | 1/4 | 4,301.73 | 1/4 | 3,942.76 | 1/4 | 3,583.78 | 1/4 | 3,224.80 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 5,008.97 | 1/2 | 4,652.49 | 1/2 | 4,294.25 | 1/2 | 3,935.28 | 1/2 | 3,576.30 | 1/2 | 3,217.32 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 5,001.55 | 3/4 | 4,645.03 | 3/4 | 4,286.78 | 3/4 | 3,927.80 | 3/4 | 3,568.82 | 3/4 | 3,209.84 |
| 10  |       | 10  |       | 10  |       | 10  |       | 10  | 4,994.12 | 10  | 4,637.58 | 10  | 4,279.30 | 10  | 3,920.32 | 10  | 3,561.34 | 10  | 3,202.36 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,986.70 | 1/4 | 4,630.12 | 1/4 | 4,271.82 | 1/4 | 3,912.84 | 1/4 | 3,553.86 | 1/4 | 3,194.89 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,979.28 | 1/2 | 4,622.66 | 1/2 | 4,264.34 | 1/2 | 3,905.36 | 1/2 | 3,546.38 | 1/2 | 3,187.41 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,971.86 | 3/4 | 4,615.20 | 3/4 | 4,256.86 | 3/4 | 3,897.88 | 3/4 | 3,538.91 | 3/4 | 3,179.93 |
| 11  |       | 11  |       | 11  |       | 11  |       | 11  | 4,964.44 | 11  | 4,607.75 | 11  | 4,249.38 | 11  | 3,890.40 | 11  | 3,531.43 | 11  | 3,172.45 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,957.02 | 1/4 | 4,600.29 | 1/4 | 4,241.90 | 1/4 | 3,882.93 | 1/4 | 3,523.95 | 1/4 | 3,164.97 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,949.60 | 1/2 | 4,592.83 | 1/2 | 4,234.43 | 1/2 | 3,875.45 | 1/2 | 3,516.47 | 1/2 | 3,157.49 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,942.18 | 3/4 | 4,585.38 | 3/4 | 4,226.95 | 3/4 | 3,867.97 | 3/4 | 3,508.99 | 3/4 | 3,150.01 |

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 DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 03'-00" OFF CENTERLINE AND 01'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "LACB - 118"

2 STBD

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 29248"

GAUGE HEIGHT 18'-10 1/2"

| IN  | 10 FT.   | IN  | 11 FT.   | IN  | 12 FT.   | IN  | 13 FT.   | IN  | 14 FT.   | IN  | 15 FT.   | IN  | 16 FT. | IN  | 17 FT. | IN  | 18 FT. | IN  | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0   | 3,142.53 | 0   | 2,783.45 | 0   | 2,424.28 | 0   | 2,065.11 | 0   | 1,705.94 | 0   | 1,346.77 | 0   | 987.80 | 0   | 628.90 | 0   | 269.74 | 0   |        |
| 1/4 | 3,135.06 | 1/4 | 2,775.96 | 1/4 | 2,416.79 | 1/4 | 2,057.62 | 1/4 | 1,698.45 | 1/4 | 1,339.28 | 1/4 | 980.33 | 1/4 | 621.41 | 1/4 | 262.25 | 1/4 |        |
| 1/2 | 3,127.58 | 1/2 | 2,768.48 | 1/2 | 2,409.31 | 1/2 | 2,050.14 | 1/2 | 1,690.97 | 1/2 | 1,331.80 | 1/2 | 972.86 | 1/2 | 613.93 | 1/2 | 254.77 | 1/2 |        |
| 3/4 | 3,120.10 | 3/4 | 2,761.00 | 3/4 | 2,401.83 | 3/4 | 2,042.66 | 3/4 | 1,683.49 | 3/4 | 1,324.32 | 3/4 | 965.39 | 3/4 | 606.45 | 3/4 | 247.29 | 3/4 |        |
| 1   | 3,112.62 | 1   | 2,753.51 | 1   | 2,394.34 | 1   | 2,035.18 | 1   | 1,676.01 | 1   | 1,316.84 | 1   | 957.92 | 1   | 598.97 | 1   | 239.81 | 1   |        |
| 1/4 | 3,105.14 | 1/4 | 2,746.03 | 1/4 | 2,386.86 | 1/4 | 2,027.69 | 1/4 | 1,668.52 | 1/4 | 1,309.35 | 1/4 | 950.45 | 1/4 | 591.48 | 1/4 | 232.32 | 1/4 |        |
| 1/2 | 3,097.66 | 1/2 | 2,738.55 | 1/2 | 2,379.38 | 1/2 | 2,020.21 | 1/2 | 1,661.04 | 1/2 | 1,301.87 | 1/2 | 942.98 | 1/2 | 584.00 | 1/2 | 224.84 | 1/2 |        |
| 3/4 | 3,090.18 | 3/4 | 2,731.07 | 3/4 | 2,371.90 | 3/4 | 2,012.73 | 3/4 | 1,653.56 | 3/4 | 1,294.39 | 3/4 | 935.51 | 3/4 | 576.52 | 3/4 | 217.36 | 3/4 |        |
| 2   | 3,082.71 | 2   | 2,723.58 | 2   | 2,364.41 | 2   | 2,005.24 | 2   | 1,646.07 | 2   | 1,286.91 | 2   | 928.04 | 2   | 569.04 | 2   | 209.88 | 2   |        |
| 1/4 | 3,075.23 | 1/4 | 2,716.10 | 1/4 | 2,356.93 | 1/4 | 1,997.76 | 1/4 | 1,638.59 | 1/4 | 1,279.42 | 1/4 | 920.57 | 1/4 | 561.55 | 1/4 | 202.39 | 1/4 |        |
| 1/2 | 3,067.75 | 1/2 | 2,708.62 | 1/2 | 2,349.45 | 1/2 | 1,990.28 | 1/2 | 1,631.11 | 1/2 | 1,271.94 | 1/2 | 913.10 | 1/2 | 554.07 | 1/2 | 194.91 | 1/2 |        |
| 3/4 | 3,060.27 | 3/4 | 2,701.14 | 3/4 | 2,341.97 | 3/4 | 1,982.80 | 3/4 | 1,623.63 | 3/4 | 1,264.46 | 3/4 | 905.63 | 3/4 | 546.59 | 3/4 | 187.43 | 3/4 |        |
| 3   | 3,052.79 | 3   | 2,693.65 | 3   | 2,334.48 | 3   | 1,975.31 | 3   | 1,616.14 | 3   | 1,256.97 | 3   | 898.16 | 3   | 539.11 | 3   | 179.95 | 3   |        |
| 1/4 | 3,045.31 | 1/4 | 2,686.17 | 1/4 | 2,327.00 | 1/4 | 1,967.83 | 1/4 | 1,608.66 | 1/4 | 1,249.49 | 1/4 | 890.69 | 1/4 | 531.62 | 1/4 | 172.46 | 1/4 |        |
| 1/2 | 3,037.83 | 1/2 | 2,678.69 | 1/2 | 2,319.52 | 1/2 | 1,960.35 | 1/2 | 1,601.18 | 1/2 | 1,242.01 | 1/2 | 883.22 | 1/2 | 524.14 | 1/2 | 164.98 | 1/2 |        |
| 3/4 | 3,030.35 | 3/4 | 2,671.20 | 3/4 | 2,312.04 | 3/4 | 1,952.87 | 3/4 | 1,593.70 | 3/4 | 1,234.53 | 3/4 | 875.75 | 3/4 | 516.66 | 3/4 | 157.50 | 3/4 |        |
| 4   | 3,022.88 | 4   | 2,663.72 | 4   | 2,304.55 | 4   | 1,945.38 | 4   | 1,586.21 | 4   | 1,227.04 | 4   | 868.28 | 4   | 509.18 | 4   | 150.02 | 4   |        |
| 1/4 | 3,015.40 | 1/4 | 2,656.24 | 1/4 | 2,297.07 | 1/4 | 1,937.90 | 1/4 | 1,578.73 | 1/4 | 1,219.56 | 1/4 | 860.81 | 1/4 | 501.69 | 1/4 | 142.53 | 1/4 |        |
| 1/2 | 3,007.92 | 1/2 | 2,648.76 | 1/2 | 2,289.59 | 1/2 | 1,930.42 | 1/2 | 1,571.25 | 1/2 | 1,212.08 | 1/2 | 853.34 | 1/2 | 494.21 | 1/2 | 135.05 | 1/2 |        |
| 3/4 | 3,000.44 | 3/4 | 2,641.27 | 3/4 | 2,282.10 | 3/4 | 1,922.93 | 3/4 | 1,563.77 | 3/4 | 1,204.60 | 3/4 | 845.87 | 3/4 | 486.73 | 3/4 | 127.57 | 3/4 |        |
| 5   | 2,992.96 | 5   | 2,633.79 | 5   | 2,274.62 | 5   | 1,915.45 | 5   | 1,556.28 | 5   | 1,197.11 | 5   | 838.39 | 5   | 479.25 | 5   | 120.09 | 5   |        |
| 1/4 | 2,985.48 | 1/4 | 2,626.31 | 1/4 | 2,267.14 | 1/4 | 1,907.97 | 1/4 | 1,548.80 | 1/4 | 1,189.63 | 1/4 | 830.92 | 1/4 | 471.76 | 1/4 | 112.60 | 1/4 |        |
| 1/2 | 2,978.00 | 1/2 | 2,618.83 | 1/2 | 2,259.66 | 1/2 | 1,900.49 | 1/2 | 1,541.32 | 1/2 | 1,182.15 | 1/2 | 823.44 | 1/2 | 464.28 | 1/2 | 105.12 | 1/2 |        |
| 3/4 | 2,970.51 | 3/4 | 2,611.34 | 3/4 | 2,252.17 | 3/4 | 1,893.00 | 3/4 | 1,533.83 | 3/4 | 1,174.66 | 3/4 | 815.96 | 3/4 | 456.80 | 3/4 | 97.64  | 3/4 |        |
| 6   | 2,963.03 | 6   | 2,603.86 | 6   | 2,244.69 | 6   | 1,885.52 | 6   | 1,526.35 | 6   | 1,167.18 | 6   | 808.48 | 6   | 449.32 | 6   | 90.16  | 6   |        |
| 1/4 | 2,955.55 | 1/4 | 2,596.38 | 1/4 | 2,237.21 | 1/4 | 1,878.04 | 1/4 | 1,518.87 | 1/4 | 1,159.70 | 1/4 | 800.99 | 1/4 | 441.83 | 1/4 | 82.67  | 1/4 |        |
| 1/2 | 2,948.06 | 1/2 | 2,588.89 | 1/2 | 2,229.73 | 1/2 | 1,870.56 | 1/2 | 1,511.39 | 1/2 | 1,152.22 | 1/2 | 793.51 | 1/2 | 434.35 | 1/2 | 75.19  | 1/2 |        |
| 3/4 | 2,940.58 | 3/4 | 2,581.41 | 3/4 | 2,222.24 | 3/4 | 1,863.07 | 3/4 | 1,503.90 | 3/4 | 1,144.74 | 3/4 | 786.03 | 3/4 | 426.87 | 3/4 | 68.18  | 3/4 |        |
| 7   | 2,933.10 | 7   | 2,573.93 | 7   | 2,214.76 | 7   | 1,855.59 | 7   | 1,496.42 | 7   | 1,137.26 | 7   | 778.55 | 7   | 419.39 | 7   | 61.16  | 7   |        |
| 1/4 | 2,925.62 | 1/4 | 2,566.45 | 1/4 | 2,207.28 | 1/4 | 1,848.11 | 1/4 | 1,488.94 | 1/4 | 1,129.78 | 1/4 | 771.06 | 1/4 | 411.90 | 1/4 | 54.15  | 1/4 |        |
| 1/2 | 2,918.13 | 1/2 | 2,558.96 | 1/2 | 2,199.79 | 1/2 | 1,840.62 | 1/2 | 1,481.46 | 1/2 | 1,122.30 | 1/2 | 763.58 | 1/2 | 404.42 | 1/2 | 47.13  | 1/2 |        |
| 3/4 | 2,910.65 | 3/4 | 2,551.48 | 3/4 | 2,192.31 | 3/4 | 1,833.14 | 3/4 | 1,473.97 | 3/4 | 1,114.82 | 3/4 | 756.10 | 3/4 | 396.94 | 3/4 | 41.52  | 3/4 |        |
| 8   | 2,903.17 | 8   | 2,544.00 | 8   | 2,184.83 | 8   | 1,825.66 | 8   | 1,466.49 | 8   | 1,107.34 | 8   | 748.62 | 8   | 389.46 | 8   | 35.91  | 8   |        |
| 1/4 | 2,895.69 | 1/4 | 2,536.52 | 1/4 | 2,177.35 | 1/4 | 1,818.18 | 1/4 | 1,459.01 | 1/4 | 1,099.87 | 1/4 | 741.13 | 1/4 | 381.97 | 1/4 | 30.30  | 1/4 |        |
| 1/2 | 2,888.20 | 1/2 | 2,529.03 | 1/2 | 2,169.86 | 1/2 | 1,810.69 | 1/2 | 1,451.52 | 1/2 | 1,092.39 | 1/2 | 733.65 | 1/2 | 374.49 | 1/2 | 24.68  | 1/2 |        |
| 3/4 | 2,880.72 | 3/4 | 2,521.55 | 3/4 | 2,162.38 | 3/4 | 1,803.21 | 3/4 | 1,444.04 | 3/4 | 1,084.91 | 3/4 | 726.17 | 3/4 | 367.01 | 3/4 | 20.94  | 3/4 |        |
| 9   | 2,873.24 | 9   | 2,514.07 | 9   | 2,154.90 | 9   | 1,795.73 | 9   | 1,436.56 | 9   | 1,077.44 | 9   | 718.69 | 9   | 359.53 | 9   | 17.20  | 9   |        |
| 1/4 | 2,865.75 | 1/4 | 2,506.59 | 1/4 | 2,147.42 | 1/4 | 1,788.25 | 1/4 | 1,429.08 | 1/4 | 1,069.97 | 1/4 | 711.20 | 1/4 | 352.04 | 1/4 | 13.46  | 1/4 |        |
| 1/2 | 2,858.27 | 1/2 | 2,499.10 | 1/2 | 2,139.93 | 1/2 | 1,780.76 | 1/2 | 1,421.59 | 1/2 | 1,062.49 | 1/2 | 703.72 | 1/2 | 344.56 | 1/2 | 9.72   | 1/2 |        |
| 3/4 | 2,850.79 | 3/4 | 2,491.62 | 3/4 | 2,132.45 | 3/4 | 1,773.28 | 3/4 | 1,414.11 | 3/4 | 1,055.02 | 3/4 | 696.24 | 3/4 | 337.08 | 3/4 | 7.85   | 3/4 |        |
| 10  | 2,843.31 | 10  | 2,484.14 | 10  | 2,124.97 | 10  | 1,765.80 | 10  | 1,406.63 | 10  | 1,047.55 | 10  | 688.76 | 10  | 329.60 | 10  | 5.98   | 10  |        |
| 1/4 | 2,835.82 | 1/4 | 2,476.65 | 1/4 | 2,117.48 | 1/4 | 1,758.32 | 1/4 | 1,399.15 | 1/4 | 1,040.08 | 1/4 | 681.27 | 1/4 | 322.11 | 1/4 | 4.11   | 1/4 |        |
| 1/2 | 2,828.34 | 1/2 | 2,469.17 | 1/2 | 2,110.00 | 1/2 | 1,750.83 | 1/2 | 1,391.66 | 1/2 | 1,032.61 | 1/2 | 673.79 | 1/2 | 314.63 | 1/2 | 2.24   | 1/2 |        |
| 3/4 | 2,820.86 | 3/4 | 2,461.69 | 3/4 | 2,102.52 | 3/4 | 1,743.35 | 3/4 | 1,384.18 | 3/4 | 1,025.15 | 3/4 | 666.31 | 3/4 | 307.15 | 3/4 |        | 3/4 |        |
| 11  | 2,813.38 | 11  | 2,454.21 | 11  | 2,095.04 | 11  | 1,735.87 | 11  | 1,376.70 | 11  | 1,017.68 | 11  | 658.83 | 11  | 299.67 | 11  |        | 11  |        |
| 1/4 | 2,805.89 | 1/4 | 2,446.72 | 1/4 | 2,087.55 | 1/4 | 1,728.38 | 1/4 | 1,369.21 | 1/4 | 1,010.21 | 1/4 | 651.34 | 1/4 | 292.18 | 1/4 |        | 1/4 |        |
| 1/2 | 2,798.41 | 1/2 | 2,439.24 | 1/2 | 2,080.07 | 1/2 | 1,720.90 | 1/2 | 1,361.73 | 1/2 | 1,002.74 | 1/2 | 643.86 | 1/2 | 284.70 | 1/2 |        | 1/2 |        |
| 3/4 | 2,790.93 | 3/4 | 2,431.76 | 3/4 | 2,072.59 | 3/4 | 1,713.42 | 3/4 | 1,354.25 | 3/4 | 995.27   | 3/4 | 636.38 | 3/4 | 277.22 | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/01/2013 CL  
RECALCULATED: 06/02/2020 CL  
NAME CHANGE: 08/24/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2023

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "LACB - 118"

## 3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 29248"

GAUGE HEIGHT 18'-10 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   |          | 0   | 4,478.21 | 0   | 4,232.45 | 0   | 3,985.60 | 0   | 3,738.42 | 0   | 3,457.22 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |          | 1/4 | 4,473.10 | 1/4 | 4,227.32 | 1/4 | 3,980.45 | 1/4 | 3,733.27 | 1/4 | 3,449.81 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |          | 1/2 | 4,467.99 | 1/2 | 4,222.18 | 1/2 | 3,975.30 | 1/2 | 3,728.12 | 1/2 | 3,442.41 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |          | 3/4 | 4,462.88 | 3/4 | 4,217.05 | 3/4 | 3,970.15 | 3/4 | 3,722.97 | 3/4 | 3,435.00 |
| 1   |       | 1   |       | 1   |       | 1   |       | 1   |          | 1   | 4,457.77 | 1   | 4,211.91 | 1   | 3,965.00 | 1   | 3,717.82 | 1   | 3,427.60 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |          | 1/4 | 4,452.66 | 1/4 | 4,206.78 | 1/4 | 3,959.85 | 1/4 | 3,712.67 | 1/4 | 3,420.19 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |          | 1/2 | 4,447.56 | 1/2 | 4,201.64 | 1/2 | 3,954.70 | 1/2 | 3,707.52 | 1/2 | 3,412.78 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |          | 3/4 | 4,442.45 | 3/4 | 4,196.51 | 3/4 | 3,949.55 | 3/4 | 3,702.37 | 3/4 | 3,405.38 |
| 2   |       | 2   |       | 2   |       | 2   |       | 2   |          | 2   | 4,437.34 | 2   | 4,191.37 | 2   | 3,944.40 | 2   | 3,697.22 | 2   | 3,397.97 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,606.95 | 1/4 | 4,432.23 | 1/4 | 4,186.24 | 1/4 | 3,939.25 | 1/4 | 3,692.07 | 1/4 | 3,390.57 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,606.62 | 1/2 | 4,427.12 | 1/2 | 4,181.10 | 1/2 | 3,934.10 | 1/2 | 3,686.92 | 1/2 | 3,383.16 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,606.29 | 3/4 | 4,422.02 | 3/4 | 4,175.97 | 3/4 | 3,928.95 | 3/4 | 3,681.77 | 3/4 | 3,375.75 |
| 3   |       | 3   |       | 3   |       | 3   |       | 3   | 4,605.58 | 3   | 4,416.91 | 3   | 4,170.83 | 3   | 3,923.80 | 3   | 3,676.62 | 3   | 3,368.35 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,604.87 | 1/4 | 4,411.80 | 1/4 | 4,165.70 | 1/4 | 3,918.66 | 1/4 | 3,671.47 | 1/4 | 3,360.94 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,604.16 | 1/2 | 4,406.69 | 1/2 | 4,160.56 | 1/2 | 3,913.51 | 1/2 | 3,666.32 | 1/2 | 3,353.54 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,603.45 | 3/4 | 4,401.59 | 3/4 | 4,155.43 | 3/4 | 3,908.36 | 3/4 | 3,661.18 | 3/4 | 3,346.13 |
| 4   |       | 4   |       | 4   |       | 4   |       | 4   | 4,602.74 | 4   | 4,396.48 | 4   | 4,150.29 | 4   | 3,903.21 | 4   | 3,656.03 | 4   | 3,338.72 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,602.03 | 1/4 | 4,391.37 | 1/4 | 4,145.16 | 1/4 | 3,898.06 | 1/4 | 3,650.88 | 1/4 | 3,331.32 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,600.65 | 1/2 | 4,386.26 | 1/2 | 4,140.02 | 1/2 | 3,892.91 | 1/2 | 3,645.73 | 1/2 | 3,323.91 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,599.26 | 3/4 | 4,381.15 | 3/4 | 4,134.89 | 3/4 | 3,887.76 | 3/4 | 3,640.58 | 3/4 | 3,316.51 |
| 5   |       | 5   |       | 5   |       | 5   |       | 5   | 4,597.88 | 5   | 4,376.05 | 5   | 4,129.75 | 5   | 3,882.61 | 5   | 3,635.43 | 5   | 3,309.10 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,596.50 | 1/4 | 4,370.94 | 1/4 | 4,124.62 | 1/4 | 3,877.46 | 1/4 | 3,630.28 | 1/4 | 3,301.70 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,594.05 | 1/2 | 4,365.83 | 1/2 | 4,119.47 | 1/2 | 3,872.31 | 1/2 | 3,625.13 | 1/2 | 3,294.29 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,591.60 | 3/4 | 4,360.72 | 3/4 | 4,114.33 | 3/4 | 3,867.16 | 3/4 | 3,619.98 | 3/4 | 3,286.88 |
| 6   |       | 6   |       | 6   |       | 6   |       | 6   | 4,589.15 | 6   | 4,355.62 | 6   | 4,109.18 | 6   | 3,862.01 | 6   | 3,614.83 | 6   | 3,279.48 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,586.70 | 1/4 | 4,350.51 | 1/4 | 4,104.04 | 1/4 | 3,856.86 | 1/4 | 3,609.68 | 1/4 | 3,272.07 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,583.19 | 1/2 | 4,345.39 | 1/2 | 4,098.89 | 1/2 | 3,851.71 | 1/2 | 3,604.53 | 1/2 | 3,264.66 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,579.68 | 3/4 | 4,340.26 | 3/4 | 4,093.74 | 3/4 | 3,846.56 | 3/4 | 3,599.38 | 3/4 | 3,257.24 |
| 7   |       | 7   |       | 7   |       | 7   |       | 7   | 4,576.16 | 7   | 4,335.14 | 7   | 4,088.59 | 7   | 3,841.41 | 7   | 3,594.23 | 7   | 3,249.82 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,572.65 | 1/4 | 4,330.02 | 1/4 | 4,083.44 | 1/4 | 3,836.26 | 1/4 | 3,589.08 | 1/4 | 3,242.41 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,568.14 | 1/2 | 4,324.88 | 1/2 | 4,078.29 | 1/2 | 3,831.11 | 1/2 | 3,583.36 | 1/2 | 3,234.98 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,563.62 | 3/4 | 4,319.75 | 3/4 | 4,073.14 | 3/4 | 3,825.96 | 3/4 | 3,577.63 | 3/4 | 3,227.55 |
| 8   |       | 8   |       | 8   |       | 8   |       | 8   | 4,559.11 | 8   | 4,314.61 | 8   | 4,067.99 | 8   | 3,820.81 | 8   | 3,571.91 | 8   | 3,220.13 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,554.60 | 1/4 | 4,309.48 | 1/4 | 4,062.84 | 1/4 | 3,815.66 | 1/4 | 3,566.18 | 1/4 | 3,212.70 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,549.56 | 1/2 | 4,304.34 | 1/2 | 4,057.69 | 1/2 | 3,810.51 | 1/2 | 3,559.33 | 1/2 | 3,205.27 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,544.51 | 3/4 | 4,299.21 | 3/4 | 4,052.54 | 3/4 | 3,805.36 | 3/4 | 3,552.47 | 3/4 | 3,197.85 |
| 9   |       | 9   |       | 9   |       | 9   |       | 9   | 4,539.47 | 9   | 4,294.07 | 9   | 4,047.40 | 9   | 3,800.21 | 9   | 3,545.61 | 9   | 3,190.42 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,534.43 | 1/4 | 4,288.94 | 1/4 | 4,042.25 | 1/4 | 3,795.06 | 1/4 | 3,538.75 | 1/4 | 3,182.99 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,529.32 | 1/2 | 4,283.80 | 1/2 | 4,037.10 | 1/2 | 3,789.92 | 1/2 | 3,531.34 | 1/2 | 3,175.57 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,524.20 | 3/4 | 4,278.67 | 3/4 | 4,031.95 | 3/4 | 3,784.77 | 3/4 | 3,523.92 | 3/4 | 3,168.14 |
| 10  |       | 10  |       | 10  |       | 10  |       | 10  | 4,519.09 | 10  | 4,273.53 | 10  | 4,026.80 | 10  | 3,779.62 | 10  | 3,516.50 | 10  | 3,160.71 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,513.98 | 1/4 | 4,268.40 | 1/4 | 4,021.65 | 1/4 | 3,774.47 | 1/4 | 3,509.08 | 1/4 | 3,153.29 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,508.87 | 1/2 | 4,263.26 | 1/2 | 4,016.50 | 1/2 | 3,769.32 | 1/2 | 3,501.67 | 1/2 | 3,145.86 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,503.76 | 3/4 | 4,258.13 | 3/4 | 4,011.35 | 3/4 | 3,764.17 | 3/4 | 3,494.26 | 3/4 | 3,138.44 |
| 11  |       | 11  |       | 11  |       | 11  |       | 11  | 4,498.65 | 11  | 4,252.99 | 11  | 4,006.20 | 11  | 3,759.02 | 11  | 3,486.85 | 11  | 3,131.01 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,493.54 | 1/4 | 4,247.86 | 1/4 | 4,001.05 | 1/4 | 3,753.87 | 1/4 | 3,479.44 | 1/4 | 3,123.58 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,488.43 | 1/2 | 4,242.72 | 1/2 | 3,995.90 | 1/2 | 3,748.72 | 1/2 | 3,472.03 | 1/2 | 3,116.16 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,483.32 | 3/4 | 4,237.59 | 3/4 | 3,990.75 | 3/4 | 3,743.57 | 3/4 | 3,464.63 | 3/4 | 3,108.73 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH HERMETIC DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 03'-00" OFF CENTERLINE AND 84'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092

Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "LACB - 118"

## 3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 29248"

GAUGE HEIGHT 18'-10 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   | 3,101.30 | 0   | 2,744.75 | 0   | 2,388.43 | 0   | 2,034.03 | 0   | 1,678.27 | 0   | 1,321.31 | 0   | 970.80 | 0   | 618.09 | 0   | 260.97 | 0   |        |
| 1/4 | 3,093.88 | 1/4 | 2,737.32 | 1/4 | 2,381.03 | 1/4 | 2,026.66 | 1/4 | 1,670.83 | 1/4 | 1,313.87 | 1/4 | 963.59 | 1/4 | 610.65 | 1/4 | 253.53 | 1/4 |        |
| 1/2 | 3,086.45 | 1/2 | 2,729.89 | 1/2 | 2,373.63 | 1/2 | 2,019.28 | 1/2 | 1,663.39 | 1/2 | 1,306.44 | 1/2 | 956.39 | 1/2 | 603.21 | 1/2 | 246.09 | 1/2 |        |
| 3/4 | 3,079.02 | 3/4 | 2,722.46 | 3/4 | 2,366.24 | 3/4 | 2,011.91 | 3/4 | 1,655.96 | 3/4 | 1,299.00 | 3/4 | 949.18 | 3/4 | 595.77 | 3/4 | 238.65 | 3/4 |        |
| 1   | 3,071.60 | 1   | 2,715.03 | 1   | 2,358.84 | 1   | 2,004.53 | 1   | 1,648.52 | 1   | 1,291.56 | 1   | 941.97 | 1   | 588.33 | 1   | 231.21 | 1   |        |
| 1/4 | 3,064.17 | 1/4 | 2,707.60 | 1/4 | 2,351.44 | 1/4 | 1,997.16 | 1/4 | 1,641.08 | 1/4 | 1,284.13 | 1/4 | 934.77 | 1/4 | 580.88 | 1/4 | 223.77 | 1/4 |        |
| 1/2 | 3,056.74 | 1/2 | 2,700.17 | 1/2 | 2,344.04 | 1/2 | 1,989.79 | 1/2 | 1,633.65 | 1/2 | 1,276.69 | 1/2 | 927.56 | 1/2 | 573.44 | 1/2 | 216.33 | 1/2 |        |
| 3/4 | 3,049.32 | 3/4 | 2,692.74 | 3/4 | 2,336.64 | 3/4 | 1,982.41 | 3/4 | 1,626.21 | 3/4 | 1,269.25 | 3/4 | 920.35 | 3/4 | 566.00 | 3/4 | 208.89 | 3/4 |        |
| 2   | 3,041.89 | 2   | 2,685.31 | 2   | 2,329.25 | 2   | 1,975.04 | 2   | 1,618.77 | 2   | 1,261.82 | 2   | 913.15 | 2   | 558.56 | 2   | 201.45 | 2   |        |
| 1/4 | 3,034.46 | 1/4 | 2,677.88 | 1/4 | 2,321.85 | 1/4 | 1,967.67 | 1/4 | 1,611.34 | 1/4 | 1,254.38 | 1/4 | 905.94 | 1/4 | 551.12 | 1/4 | 194.01 | 1/4 |        |
| 1/2 | 3,027.04 | 1/2 | 2,670.46 | 1/2 | 2,314.45 | 1/2 | 1,960.29 | 1/2 | 1,603.90 | 1/2 | 1,246.94 | 1/2 | 898.73 | 1/2 | 543.68 | 1/2 | 186.56 | 1/2 |        |
| 3/4 | 3,019.61 | 3/4 | 2,663.03 | 3/4 | 2,307.05 | 3/4 | 1,952.92 | 3/4 | 1,596.46 | 3/4 | 1,239.51 | 3/4 | 891.53 | 3/4 | 536.24 | 3/4 | 179.12 | 3/4 |        |
| 3   | 3,012.18 | 3   | 2,655.60 | 3   | 2,299.65 | 3   | 1,945.55 | 3   | 1,589.03 | 3   | 1,232.07 | 3   | 884.32 | 3   | 528.80 | 3   | 171.68 | 3   |        |
| 1/4 | 3,004.76 | 1/4 | 2,648.17 | 1/4 | 2,292.26 | 1/4 | 1,938.17 | 1/4 | 1,581.59 | 1/4 | 1,224.63 | 1/4 | 877.11 | 1/4 | 521.36 | 1/4 | 164.24 | 1/4 |        |
| 1/2 | 2,997.33 | 1/2 | 2,640.74 | 1/2 | 2,284.86 | 1/2 | 1,930.80 | 1/2 | 1,574.15 | 1/2 | 1,217.20 | 1/2 | 869.91 | 1/2 | 513.92 | 1/2 | 156.80 | 1/2 |        |
| 3/4 | 2,989.90 | 3/4 | 2,633.31 | 3/4 | 2,277.46 | 3/4 | 1,923.42 | 3/4 | 1,566.72 | 3/4 | 1,209.76 | 3/4 | 862.70 | 3/4 | 506.48 | 3/4 | 149.36 | 3/4 |        |
| 4   | 2,982.48 | 4   | 2,625.88 | 4   | 2,270.06 | 4   | 1,916.05 | 4   | 1,559.28 | 4   | 1,202.32 | 4   | 855.49 | 4   | 499.04 | 4   | 141.91 | 4   |        |
| 1/4 | 2,975.05 | 1/4 | 2,618.45 | 1/4 | 2,262.66 | 1/4 | 1,908.68 | 1/4 | 1,551.84 | 1/4 | 1,194.89 | 1/4 | 848.28 | 1/4 | 491.59 | 1/4 | 134.47 | 1/4 |        |
| 1/2 | 2,967.62 | 1/2 | 2,611.02 | 1/2 | 2,255.28 | 1/2 | 1,901.27 | 1/2 | 1,544.41 | 1/2 | 1,187.55 | 1/2 | 840.96 | 1/2 | 484.15 | 1/2 | 127.03 | 1/2 |        |
| 3/4 | 2,960.19 | 3/4 | 2,603.58 | 3/4 | 2,247.89 | 3/4 | 1,893.87 | 3/4 | 1,536.97 | 3/4 | 1,180.22 | 3/4 | 833.64 | 3/4 | 476.71 | 3/4 | 119.58 | 3/4 |        |
| 5   | 2,952.77 | 5   | 2,596.15 | 5   | 2,240.51 | 5   | 1,886.46 | 5   | 1,529.53 | 5   | 1,172.89 | 5   | 826.31 | 5   | 469.27 | 5   | 112.14 | 5   |        |
| 1/4 | 2,945.34 | 1/4 | 2,588.72 | 1/4 | 2,233.12 | 1/4 | 1,879.05 | 1/4 | 1,522.10 | 1/4 | 1,165.56 | 1/4 | 818.99 | 1/4 | 461.83 | 1/4 | 104.69 | 1/4 |        |
| 1/2 | 2,937.91 | 1/2 | 2,581.28 | 1/2 | 2,225.75 | 1/2 | 1,871.62 | 1/2 | 1,514.66 | 1/2 | 1,158.33 | 1/2 | 811.55 | 1/2 | 454.40 | 1/2 | 97.24  | 1/2 |        |
| 3/4 | 2,930.48 | 3/4 | 2,573.85 | 3/4 | 2,218.37 | 3/4 | 1,864.18 | 3/4 | 1,507.22 | 3/4 | 1,151.11 | 3/4 | 804.11 | 3/4 | 446.96 | 3/4 | 89.79  | 3/4 |        |
| 6   | 2,923.05 | 6   | 2,566.41 | 6   | 2,211.00 | 6   | 1,856.74 | 6   | 1,499.79 | 6   | 1,143.88 | 6   | 796.67 | 6   | 439.52 | 6   | 82.34  | 6   |        |
| 1/4 | 2,915.62 | 1/4 | 2,558.97 | 1/4 | 2,203.62 | 1/4 | 1,849.31 | 1/4 | 1,492.35 | 1/4 | 1,136.66 | 1/4 | 789.23 | 1/4 | 432.08 | 1/4 | 74.89  | 1/4 |        |
| 1/2 | 2,908.19 | 1/2 | 2,551.54 | 1/2 | 2,196.25 | 1/2 | 1,841.87 | 1/2 | 1,484.91 | 1/2 | 1,129.43 | 1/2 | 781.79 | 1/2 | 424.64 | 1/2 | 67.90  | 1/2 |        |
| 3/4 | 2,900.76 | 3/4 | 2,544.10 | 3/4 | 2,188.88 | 3/4 | 1,834.43 | 3/4 | 1,477.48 | 3/4 | 1,122.21 | 3/4 | 774.35 | 3/4 | 417.20 | 3/4 | 60.92  | 3/4 |        |
| 7   | 2,893.33 | 7   | 2,536.66 | 7   | 2,181.50 | 7   | 1,827.00 | 7   | 1,470.04 | 7   | 1,114.99 | 7   | 766.90 | 7   | 409.76 | 7   | 53.93  | 7   |        |
| 1/4 | 2,885.91 | 1/4 | 2,529.23 | 1/4 | 2,174.13 | 1/4 | 1,819.56 | 1/4 | 1,462.60 | 1/4 | 1,107.77 | 1/4 | 759.46 | 1/4 | 402.32 | 1/4 | 46.94  | 1/4 |        |
| 1/2 | 2,878.48 | 1/2 | 2,521.79 | 1/2 | 2,166.76 | 1/2 | 1,812.12 | 1/2 | 1,455.17 | 1/2 | 1,100.56 | 1/2 | 752.02 | 1/2 | 394.88 | 1/2 | 41.35  | 1/2 |        |
| 3/4 | 2,871.05 | 3/4 | 2,514.35 | 3/4 | 2,159.38 | 3/4 | 1,804.69 | 3/4 | 1,447.73 | 3/4 | 1,093.35 | 3/4 | 744.58 | 3/4 | 387.44 | 3/4 | 35.77  | 3/4 |        |
| 8   | 2,863.62 | 8   | 2,506.92 | 8   | 2,152.01 | 8   | 1,797.25 | 8   | 1,440.29 | 8   | 1,086.13 | 8   | 737.14 | 8   | 380.00 | 8   | 30.18  | 8   |        |
| 1/4 | 2,856.19 | 1/4 | 2,499.48 | 1/4 | 2,144.64 | 1/4 | 1,789.81 | 1/4 | 1,432.86 | 1/4 | 1,078.92 | 1/4 | 729.70 | 1/4 | 372.56 | 1/4 | 24.59  | 1/4 |        |
| 1/2 | 2,848.76 | 1/2 | 2,492.06 | 1/2 | 2,137.26 | 1/2 | 1,782.38 | 1/2 | 1,425.42 | 1/2 | 1,071.71 | 1/2 | 722.26 | 1/2 | 365.12 | 1/2 | 20.86  | 1/2 |        |
| 3/4 | 2,841.33 | 3/4 | 2,484.65 | 3/4 | 2,129.89 | 3/4 | 1,774.94 | 3/4 | 1,417.98 | 3/4 | 1,064.50 | 3/4 | 714.82 | 3/4 | 357.68 | 3/4 | 17.13  | 3/4 |        |
| 9   | 2,833.90 | 9   | 2,477.23 | 9   | 2,122.51 | 9   | 1,767.50 | 9   | 1,410.55 | 9   | 1,057.29 | 9   | 707.38 | 9   | 350.24 | 9   | 13.41  | 9   |        |
| 1/4 | 2,826.47 | 1/4 | 2,469.81 | 1/4 | 2,115.14 | 1/4 | 1,760.07 | 1/4 | 1,403.11 | 1/4 | 1,050.08 | 1/4 | 699.94 | 1/4 | 342.80 | 1/4 | 9.68   | 1/4 |        |
| 1/2 | 2,819.04 | 1/2 | 2,462.41 | 1/2 | 2,107.77 | 1/2 | 1,752.63 | 1/2 | 1,395.67 | 1/2 | 1,042.87 | 1/2 | 692.50 | 1/2 | 335.36 | 1/2 | 7.82   | 1/2 |        |
| 3/4 | 2,811.61 | 3/4 | 2,455.01 | 3/4 | 2,100.39 | 3/4 | 1,745.19 | 3/4 | 1,388.24 | 3/4 | 1,035.66 | 3/4 | 685.06 | 3/4 | 327.92 | 3/4 | 5.96   | 3/4 |        |
| 10  | 2,804.18 | 10  | 2,447.62 | 10  | 2,093.02 | 10  | 1,737.76 | 10  | 1,380.80 | 10  | 1,028.45 | 10  | 677.61 | 10  | 320.48 | 10  | 4.09   | 10  |        |
| 1/4 | 2,796.75 | 1/4 | 2,440.22 | 1/4 | 2,085.65 | 1/4 | 1,730.32 | 1/4 | 1,373.36 | 1/4 | 1,021.25 | 1/4 | 670.17 | 1/4 | 313.04 | 1/4 | 2.23   | 1/4 |        |
| 1/2 | 2,789.32 | 1/2 | 2,432.82 | 1/2 | 2,078.27 | 1/2 | 1,722.88 | 1/2 | 1,365.93 | 1/2 | 1,014.04 | 1/2 | 662.73 | 1/2 | 305.61 | 1/2 |        | 1/2 |        |
| 3/4 | 2,781.89 | 3/4 | 2,425.42 | 3/4 | 2,070.90 | 3/4 | 1,715.45 | 3/4 | 1,358.49 | 3/4 | 1,006.83 | 3/4 | 655.29 | 3/4 | 298.17 | 3/4 |        | 3/4 |        |
| 11  | 2,774.47 | 11  | 2,418.02 | 11  | 2,063.52 | 11  | 1,708.01 | 11  | 1,351.05 | 11  | 999.63   | 11  | 647.85 | 11  | 290.73 | 11  |        | 11  |        |
| 1/4 | 2,767.04 | 1/4 | 2,410.63 | 1/4 | 2,056.15 | 1/4 | 1,700.58 | 1/4 | 1,343.62 | 1/4 | 992.42   | 1/4 | 640.41 | 1/4 | 283.29 | 1/4 |        | 1/4 |        |
| 1/2 | 2,759.61 | 1/2 | 2,403.23 | 1/2 | 2,048.78 | 1/2 | 1,693.14 | 1/2 | 1,336.18 | 1/2 | 985.21   | 1/2 | 632.97 | 1/2 | 275.85 | 1/2 |        | 1/2 |        |
| 3/4 | 2,752.18 | 3/4 | 2,395.83 | 3/4 | 2,041.40 | 3/4 | 1,685.70 | 3/4 | 1,328.75 | 3/4 | 978.01   | 3/4 | 625.53 | 3/4 | 268.41 | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/01/2013 CL  
RECALCULATED: 06/02/2020 CL  
NAME CHANGE: 08/24/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2023

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



# BARGE "LACB - 118"

3 STBD

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 29248"

GAUGE HEIGHT 18'-10 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   |          | 0   | 4,507.88 | 0   | 4,261.93 | 0   | 4,014.87 | 0   | 3,767.47 | 0   | 3,488.21 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |          | 1/4 | 4,502.76 | 1/4 | 4,256.79 | 1/4 | 4,009.72 | 1/4 | 3,762.32 | 1/4 | 3,480.79 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |          | 1/2 | 4,497.65 | 1/2 | 4,251.65 | 1/2 | 4,004.56 | 1/2 | 3,757.17 | 1/2 | 3,473.36 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |          | 3/4 | 4,492.54 | 3/4 | 4,246.51 | 3/4 | 3,999.41 | 3/4 | 3,752.01 | 3/4 | 3,465.93 |
| 1   |       | 1   |       | 1   |       | 1   |       | 1   |          | 1   | 4,487.42 | 1   | 4,241.37 | 1   | 3,994.26 | 1   | 3,746.86 | 1   | 3,458.51 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |          | 1/4 | 4,482.31 | 1/4 | 4,236.23 | 1/4 | 3,989.10 | 1/4 | 3,741.70 | 1/4 | 3,451.08 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |          | 1/2 | 4,477.19 | 1/2 | 4,231.09 | 1/2 | 3,983.95 | 1/2 | 3,736.55 | 1/2 | 3,443.65 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |          | 3/4 | 4,472.08 | 3/4 | 4,225.95 | 3/4 | 3,978.79 | 3/4 | 3,731.40 | 3/4 | 3,436.23 |
| 2   |       | 2   |       | 2   |       | 2   |       | 2   |          | 2   | 4,466.97 | 2   | 4,220.81 | 2   | 3,973.64 | 2   | 3,726.24 | 2   | 3,428.80 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |          | 1/4 | 4,461.86 | 1/4 | 4,215.67 | 1/4 | 3,968.48 | 1/4 | 3,721.09 | 1/4 | 3,421.37 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,631.59 | 1/2 | 4,456.75 | 1/2 | 4,210.53 | 1/2 | 3,963.33 | 1/2 | 3,715.93 | 1/2 | 3,413.95 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,631.28 | 3/4 | 4,451.63 | 3/4 | 4,205.39 | 3/4 | 3,958.18 | 3/4 | 3,710.78 | 3/4 | 3,406.52 |
| 3   |       | 3   |       | 3   |       | 3   |       | 3   | 4,630.97 | 3   | 4,446.52 | 3   | 4,200.25 | 3   | 3,953.02 | 3   | 3,705.63 | 3   | 3,399.09 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,630.26 | 1/4 | 4,441.41 | 1/4 | 4,195.11 | 1/4 | 3,947.87 | 1/4 | 3,700.47 | 1/4 | 3,391.67 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,629.55 | 1/2 | 4,436.30 | 1/2 | 4,189.97 | 1/2 | 3,942.71 | 1/2 | 3,695.32 | 1/2 | 3,384.24 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,628.84 | 3/4 | 4,431.18 | 3/4 | 4,184.83 | 3/4 | 3,937.56 | 3/4 | 3,690.16 | 3/4 | 3,376.81 |
| 4   |       | 4   |       | 4   |       | 4   |       | 4   | 4,628.13 | 4   | 4,426.07 | 4   | 4,179.70 | 4   | 3,932.41 | 4   | 3,685.01 | 4   | 3,369.39 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,627.42 | 1/4 | 4,420.96 | 1/4 | 4,174.56 | 1/4 | 3,927.25 | 1/4 | 3,679.86 | 1/4 | 3,361.96 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,626.71 | 1/2 | 4,415.85 | 1/2 | 4,169.42 | 1/2 | 3,922.10 | 1/2 | 3,674.70 | 1/2 | 3,354.53 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,625.32 | 3/4 | 4,410.73 | 3/4 | 4,164.28 | 3/4 | 3,916.94 | 3/4 | 3,669.55 | 3/4 | 3,347.11 |
| 5   |       | 5   |       | 5   |       | 5   |       | 5   | 4,623.94 | 5   | 4,405.62 | 5   | 4,159.14 | 5   | 3,911.79 | 5   | 3,664.39 | 5   | 3,339.68 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,622.55 | 1/4 | 4,400.51 | 1/4 | 4,154.00 | 1/4 | 3,906.64 | 1/4 | 3,659.24 | 1/4 | 3,332.25 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,621.16 | 1/2 | 4,395.40 | 1/2 | 4,148.86 | 1/2 | 3,901.48 | 1/2 | 3,654.08 | 1/2 | 3,324.83 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,618.71 | 3/4 | 4,390.29 | 3/4 | 4,143.71 | 3/4 | 3,896.33 | 3/4 | 3,648.93 | 3/4 | 3,317.40 |
| 6   |       | 6   |       | 6   |       | 6   |       | 6   | 4,616.26 | 6   | 4,385.17 | 6   | 4,138.56 | 6   | 3,891.17 | 6   | 3,643.78 | 6   | 3,309.97 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,613.81 | 1/4 | 4,380.06 | 1/4 | 4,133.41 | 1/4 | 3,886.02 | 1/4 | 3,638.62 | 1/4 | 3,302.55 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,611.36 | 1/2 | 4,374.95 | 1/2 | 4,128.26 | 1/2 | 3,880.87 | 1/2 | 3,633.47 | 1/2 | 3,295.12 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,607.84 | 3/4 | 4,369.82 | 3/4 | 4,123.11 | 3/4 | 3,875.71 | 3/4 | 3,628.31 | 3/4 | 3,287.68 |
| 7   |       | 7   |       | 7   |       | 7   |       | 7   | 4,604.32 | 7   | 4,364.70 | 7   | 4,117.95 | 7   | 3,870.56 | 7   | 3,623.16 | 7   | 3,280.25 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,600.81 | 1/4 | 4,359.57 | 1/4 | 4,112.80 | 1/4 | 3,865.40 | 1/4 | 3,618.01 | 1/4 | 3,272.81 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,597.29 | 1/2 | 4,354.45 | 1/2 | 4,107.65 | 1/2 | 3,860.25 | 1/2 | 3,612.85 | 1/2 | 3,265.37 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,592.77 | 3/4 | 4,349.31 | 3/4 | 4,102.49 | 3/4 | 3,855.09 | 3/4 | 3,607.12 | 3/4 | 3,257.92 |
| 8   |       | 8   |       | 8   |       | 8   |       | 8   | 4,588.26 | 8   | 4,344.17 | 8   | 4,097.34 | 8   | 3,849.94 | 8   | 3,601.39 | 8   | 3,250.48 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,583.74 | 1/4 | 4,339.03 | 1/4 | 4,092.18 | 1/4 | 3,844.79 | 1/4 | 3,595.67 | 1/4 | 3,243.03 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,579.23 | 1/2 | 4,333.89 | 1/2 | 4,087.03 | 1/2 | 3,839.63 | 1/2 | 3,589.94 | 1/2 | 3,235.58 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,574.18 | 3/4 | 4,328.75 | 3/4 | 4,081.87 | 3/4 | 3,834.48 | 3/4 | 3,583.07 | 3/4 | 3,228.13 |
| 9   |       | 9   |       | 9   |       | 9   |       | 9   | 4,569.13 | 9   | 4,323.61 | 9   | 4,076.72 | 9   | 3,829.32 | 9   | 3,576.21 | 9   | 3,220.69 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,564.08 | 1/4 | 4,318.47 | 1/4 | 4,071.57 | 1/4 | 3,824.17 | 1/4 | 3,569.34 | 1/4 | 3,213.24 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,559.03 | 1/2 | 4,313.33 | 1/2 | 4,066.41 | 1/2 | 3,819.02 | 1/2 | 3,562.48 | 1/2 | 3,205.79 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,553.91 | 3/4 | 4,308.19 | 3/4 | 4,061.26 | 3/4 | 3,813.86 | 3/4 | 3,555.05 | 3/4 | 3,198.34 |
| 10  |       | 10  |       | 10  |       | 10  |       | 10  | 4,548.80 | 10  | 4,303.05 | 10  | 4,056.10 | 10  | 3,808.71 | 10  | 3,547.63 | 10  | 3,190.90 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,543.68 | 1/4 | 4,297.91 | 1/4 | 4,050.95 | 1/4 | 3,803.55 | 1/4 | 3,540.20 | 1/4 | 3,183.45 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,538.57 | 1/2 | 4,292.77 | 1/2 | 4,045.80 | 1/2 | 3,798.40 | 1/2 | 3,532.77 | 1/2 | 3,176.00 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,533.45 | 3/4 | 4,287.63 | 3/4 | 4,040.64 | 3/4 | 3,793.25 | 3/4 | 3,525.35 | 3/4 | 3,168.55 |
| 11  |       | 11  |       | 11  |       | 11  |       | 11  | 4,528.34 | 11  | 4,282.49 | 11  | 4,035.49 | 11  | 3,788.09 | 11  | 3,517.92 | 11  | 3,161.11 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,523.22 | 1/4 | 4,277.35 | 1/4 | 4,030.33 | 1/4 | 3,782.94 | 1/4 | 3,510.49 | 1/4 | 3,153.66 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,518.11 | 1/2 | 4,272.21 | 1/2 | 4,025.18 | 1/2 | 3,777.78 | 1/2 | 3,503.07 | 1/2 | 3,146.21 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,512.99 | 3/4 | 4,267.07 | 3/4 | 4,020.03 | 3/4 | 3,772.63 | 3/4 | 3,495.64 | 3/4 | 3,138.77 |

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 DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 03'-00" OFF CENTERLINE AND 84'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "LACB - 118"

3 STBD

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 29248"

GAUGE HEIGHT 18'-10 1/2"

| IN  | 10 FT.   | IN  | 11 FT.   | IN  | 12 FT.   | IN  | 13 FT.   | IN  | 14 FT.   | IN  | 15 FT.   | IN  | 16 FT. | IN  | 17 FT. | IN  | 18 FT. | IN  | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0   | 3,131.32 | 0   | 2,773.77 | 0   | 2,415.96 | 0   | 2,058.01 | 0   | 1,700.06 | 0   | 1,342.11 | 0   | 984.40 | 0   | 626.76 | 0   | 268.82 | 0   |        |
| 1/4 | 3,123.87 | 1/4 | 2,766.32 | 1/4 | 2,408.50 | 1/4 | 2,050.55 | 1/4 | 1,692.60 | 1/4 | 1,334.65 | 1/4 | 976.96 | 1/4 | 619.30 | 1/4 | 261.36 | 1/4 |        |
| 1/2 | 3,116.42 | 1/2 | 2,758.87 | 1/2 | 2,401.04 | 1/2 | 2,043.09 | 1/2 | 1,685.14 | 1/2 | 1,327.19 | 1/2 | 969.52 | 1/2 | 611.85 | 1/2 | 253.91 | 1/2 |        |
| 3/4 | 3,108.98 | 3/4 | 2,751.42 | 3/4 | 2,393.58 | 3/4 | 2,035.63 | 3/4 | 1,677.68 | 3/4 | 1,319.73 | 3/4 | 962.08 | 3/4 | 604.39 | 3/4 | 246.45 | 3/4 |        |
| 1   | 3,101.53 | 1   | 2,743.97 | 1   | 2,386.13 | 1   | 2,028.18 | 1   | 1,670.23 | 1   | 1,312.28 | 1   | 954.63 | 1   | 596.93 | 1   | 238.99 | 1   |        |
| 1/4 | 3,094.08 | 1/4 | 2,736.52 | 1/4 | 2,378.67 | 1/4 | 2,020.72 | 1/4 | 1,662.77 | 1/4 | 1,304.82 | 1/4 | 947.19 | 1/4 | 589.48 | 1/4 | 231.54 | 1/4 |        |
| 1/2 | 3,086.63 | 1/2 | 2,729.07 | 1/2 | 2,371.21 | 1/2 | 2,013.26 | 1/2 | 1,655.31 | 1/2 | 1,297.36 | 1/2 | 939.75 | 1/2 | 582.02 | 1/2 | 224.08 | 1/2 |        |
| 3/4 | 3,079.19 | 3/4 | 2,721.62 | 3/4 | 2,363.76 | 3/4 | 2,005.81 | 3/4 | 1,647.85 | 3/4 | 1,289.90 | 3/4 | 932.31 | 3/4 | 574.56 | 3/4 | 216.62 | 3/4 |        |
| 2   | 3,071.74 | 2   | 2,714.17 | 2   | 2,356.30 | 2   | 1,998.35 | 2   | 1,640.40 | 2   | 1,282.45 | 2   | 924.87 | 2   | 567.11 | 2   | 209.16 | 2   |        |
| 1/4 | 3,064.29 | 1/4 | 2,706.72 | 1/4 | 2,348.84 | 1/4 | 1,990.89 | 1/4 | 1,632.94 | 1/4 | 1,274.99 | 1/4 | 917.42 | 1/4 | 559.65 | 1/4 | 201.71 | 1/4 |        |
| 1/2 | 3,056.84 | 1/2 | 2,699.27 | 1/2 | 2,341.38 | 1/2 | 1,983.43 | 1/2 | 1,625.48 | 1/2 | 1,267.53 | 1/2 | 909.98 | 1/2 | 552.19 | 1/2 | 194.25 | 1/2 |        |
| 3/4 | 3,049.40 | 3/4 | 2,691.82 | 3/4 | 2,333.93 | 3/4 | 1,975.98 | 3/4 | 1,618.03 | 3/4 | 1,260.08 | 3/4 | 902.54 | 3/4 | 544.73 | 3/4 | 186.79 | 3/4 |        |
| 3   | 3,041.95 | 3   | 2,684.37 | 3   | 2,326.47 | 3   | 1,968.52 | 3   | 1,610.57 | 3   | 1,252.62 | 3   | 895.10 | 3   | 537.28 | 3   | 179.34 | 3   |        |
| 1/4 | 3,034.50 | 1/4 | 2,676.92 | 1/4 | 2,319.01 | 1/4 | 1,961.06 | 1/4 | 1,603.11 | 1/4 | 1,245.16 | 1/4 | 887.66 | 1/4 | 529.82 | 1/4 | 171.88 | 1/4 |        |
| 1/2 | 3,027.05 | 1/2 | 2,669.47 | 1/2 | 2,311.55 | 1/2 | 1,953.60 | 1/2 | 1,595.65 | 1/2 | 1,237.70 | 1/2 | 880.21 | 1/2 | 522.36 | 1/2 | 164.42 | 1/2 |        |
| 3/4 | 3,019.61 | 3/4 | 2,662.02 | 3/4 | 2,304.10 | 3/4 | 1,946.15 | 3/4 | 1,588.20 | 3/4 | 1,230.25 | 3/4 | 872.77 | 3/4 | 514.91 | 3/4 | 156.96 | 3/4 |        |
| 4   | 3,012.16 | 4   | 2,654.57 | 4   | 2,296.64 | 4   | 1,938.69 | 4   | 1,580.74 | 4   | 1,222.79 | 4   | 865.33 | 4   | 507.45 | 4   | 149.51 | 4   |        |
| 1/4 | 3,004.71 | 1/4 | 2,647.12 | 1/4 | 2,289.18 | 1/4 | 1,931.23 | 1/4 | 1,573.28 | 1/4 | 1,215.33 | 1/4 | 857.89 | 1/4 | 499.99 | 1/4 | 142.05 | 1/4 |        |
| 1/2 | 2,997.26 | 1/2 | 2,639.67 | 1/2 | 2,281.73 | 1/2 | 1,923.78 | 1/2 | 1,565.82 | 1/2 | 1,207.87 | 1/2 | 850.44 | 1/2 | 492.53 | 1/2 | 134.59 | 1/2 |        |
| 3/4 | 2,989.82 | 3/4 | 2,632.21 | 3/4 | 2,274.27 | 3/4 | 1,916.32 | 3/4 | 1,558.37 | 3/4 | 1,200.42 | 3/4 | 843.00 | 3/4 | 485.08 | 3/4 | 127.14 | 3/4 |        |
| 5   | 2,982.37 | 5   | 2,624.76 | 5   | 2,266.81 | 5   | 1,908.86 | 5   | 1,550.91 | 5   | 1,192.96 | 5   | 835.55 | 5   | 477.62 | 5   | 119.68 | 5   |        |
| 1/4 | 2,974.92 | 1/4 | 2,617.30 | 1/4 | 2,259.35 | 1/4 | 1,901.40 | 1/4 | 1,543.45 | 1/4 | 1,185.50 | 1/4 | 828.10 | 1/4 | 470.16 | 1/4 | 112.22 | 1/4 |        |
| 1/2 | 2,967.47 | 1/2 | 2,609.85 | 1/2 | 2,251.90 | 1/2 | 1,893.95 | 1/2 | 1,536.00 | 1/2 | 1,178.04 | 1/2 | 820.65 | 1/2 | 462.71 | 1/2 | 104.76 | 1/2 |        |
| 3/4 | 2,960.02 | 3/4 | 2,602.39 | 3/4 | 2,244.44 | 3/4 | 1,886.49 | 3/4 | 1,528.54 | 3/4 | 1,170.59 | 3/4 | 813.19 | 3/4 | 455.25 | 3/4 | 97.31  | 3/4 |        |
| 6   | 2,952.57 | 6   | 2,594.93 | 6   | 2,236.98 | 6   | 1,879.03 | 6   | 1,521.08 | 6   | 1,163.13 | 6   | 805.73 | 6   | 447.79 | 6   | 89.85  | 6   |        |
| 1/4 | 2,945.12 | 1/4 | 2,587.47 | 1/4 | 2,229.52 | 1/4 | 1,871.57 | 1/4 | 1,513.62 | 1/4 | 1,155.67 | 1/4 | 798.28 | 1/4 | 440.33 | 1/4 | 82.39  | 1/4 |        |
| 1/2 | 2,937.67 | 1/2 | 2,580.02 | 1/2 | 2,222.07 | 1/2 | 1,864.12 | 1/2 | 1,506.17 | 1/2 | 1,148.22 | 1/2 | 790.82 | 1/2 | 432.88 | 1/2 | 74.94  | 1/2 |        |
| 3/4 | 2,930.22 | 3/4 | 2,572.56 | 3/4 | 2,214.61 | 3/4 | 1,856.66 | 3/4 | 1,498.71 | 3/4 | 1,140.76 | 3/4 | 783.36 | 3/4 | 425.42 | 3/4 | 67.95  | 3/4 |        |
| 7   | 2,922.77 | 7   | 2,565.10 | 7   | 2,207.15 | 7   | 1,849.20 | 7   | 1,491.25 | 7   | 1,133.31 | 7   | 775.90 | 7   | 417.96 | 7   | 60.95  | 7   |        |
| 1/4 | 2,915.32 | 1/4 | 2,557.65 | 1/4 | 2,199.70 | 1/4 | 1,841.74 | 1/4 | 1,483.79 | 1/4 | 1,125.86 | 1/4 | 768.45 | 1/4 | 410.51 | 1/4 | 53.96  | 1/4 |        |
| 1/2 | 2,907.87 | 1/2 | 2,550.19 | 1/2 | 2,192.24 | 1/2 | 1,834.29 | 1/2 | 1,476.34 | 1/2 | 1,118.40 | 1/2 | 760.99 | 1/2 | 403.05 | 1/2 | 46.97  | 1/2 |        |
| 3/4 | 2,900.42 | 3/4 | 2,542.73 | 3/4 | 2,184.78 | 3/4 | 1,826.83 | 3/4 | 1,468.88 | 3/4 | 1,110.95 | 3/4 | 753.53 | 3/4 | 395.59 | 3/4 | 41.38  | 3/4 |        |
| 8   | 2,892.97 | 8   | 2,535.27 | 8   | 2,177.32 | 8   | 1,819.37 | 8   | 1,461.42 | 8   | 1,103.50 | 8   | 746.08 | 8   | 388.13 | 8   | 35.79  | 8   |        |
| 1/4 | 2,885.52 | 1/4 | 2,527.82 | 1/4 | 2,169.87 | 1/4 | 1,811.92 | 1/4 | 1,453.97 | 1/4 | 1,096.05 | 1/4 | 738.62 | 1/4 | 380.68 | 1/4 | 30.19  | 1/4 |        |
| 1/2 | 2,878.07 | 1/2 | 2,520.36 | 1/2 | 2,162.41 | 1/2 | 1,804.46 | 1/2 | 1,446.51 | 1/2 | 1,088.61 | 1/2 | 731.16 | 1/2 | 373.22 | 1/2 | 24.60  | 1/2 |        |
| 3/4 | 2,870.62 | 3/4 | 2,512.90 | 3/4 | 2,154.95 | 3/4 | 1,797.00 | 3/4 | 1,439.05 | 3/4 | 1,081.16 | 3/4 | 723.70 | 3/4 | 365.76 | 3/4 | 20.87  | 3/4 |        |
| 9   | 2,863.17 | 9   | 2,505.44 | 9   | 2,147.49 | 9   | 1,789.54 | 9   | 1,431.59 | 9   | 1,073.71 | 9   | 716.25 | 9   | 358.31 | 9   | 17.14  | 9   |        |
| 1/4 | 2,855.72 | 1/4 | 2,497.99 | 1/4 | 2,140.04 | 1/4 | 1,782.09 | 1/4 | 1,424.14 | 1/4 | 1,066.27 | 1/4 | 708.79 | 1/4 | 350.85 | 1/4 | 13.42  | 1/4 |        |
| 1/2 | 2,848.27 | 1/2 | 2,490.53 | 1/2 | 2,132.58 | 1/2 | 1,774.63 | 1/2 | 1,416.68 | 1/2 | 1,058.82 | 1/2 | 701.33 | 1/2 | 343.39 | 1/2 | 9.69   | 1/2 |        |
| 3/4 | 2,840.82 | 3/4 | 2,483.07 | 3/4 | 2,125.12 | 3/4 | 1,767.17 | 3/4 | 1,409.22 | 3/4 | 1,051.38 | 3/4 | 693.88 | 3/4 | 335.94 | 3/4 | 7.82   | 3/4 |        |
| 10  | 2,833.37 | 10  | 2,475.62 | 10  | 2,117.66 | 10  | 1,759.71 | 10  | 1,401.76 | 10  | 1,043.94 | 10  | 686.42 | 10  | 328.48 | 10  | 5.96   | 10  |        |
| 1/4 | 2,825.92 | 1/4 | 2,468.16 | 1/4 | 2,110.21 | 1/4 | 1,752.26 | 1/4 | 1,394.31 | 1/4 | 1,036.50 | 1/4 | 678.96 | 1/4 | 321.02 | 1/4 | 4.10   | 1/4 |        |
| 1/2 | 2,818.47 | 1/2 | 2,460.70 | 1/2 | 2,102.75 | 1/2 | 1,744.80 | 1/2 | 1,386.85 | 1/2 | 1,029.05 | 1/2 | 671.50 | 1/2 | 313.56 | 1/2 | 2.23   | 1/2 |        |
| 3/4 | 2,811.02 | 3/4 | 2,453.24 | 3/4 | 2,095.29 | 3/4 | 1,737.34 | 3/4 | 1,379.39 | 3/4 | 1,021.61 | 3/4 | 664.05 | 3/4 | 306.11 | 3/4 |        | 3/4 |        |
| 11  | 2,803.57 | 11  | 2,445.79 | 11  | 2,087.84 | 11  | 1,729.89 | 11  | 1,371.93 | 11  | 1,014.17 | 11  | 656.59 | 11  | 298.65 | 11  |        | 11  |        |
| 1/4 | 2,796.12 | 1/4 | 2,438.33 | 1/4 | 2,080.38 | 1/4 | 1,722.43 | 1/4 | 1,364.48 | 1/4 | 1,006.73 | 1/4 | 649.13 | 1/4 | 291.19 | 1/4 |        | 1/4 |        |
| 1/2 | 2,788.67 | 1/2 | 2,430.87 | 1/2 | 2,072.92 | 1/2 | 1,714.97 | 1/2 | 1,357.02 | 1/2 | 999.29   | 1/2 | 641.68 | 1/2 | 283.74 | 1/2 |        | 1/2 |        |
| 3/4 | 2,781.22 | 3/4 | 2,423.41 | 3/4 | 2,065.46 | 3/4 | 1,707.51 | 3/4 | 1,349.56 | 3/4 | 991.84   | 3/4 | 634.22 | 3/4 | 276.28 | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/01/2013 CL  
RECALCULATED: 06/02/2020 CL  
NAME CHANGE: 08/24/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2023

PRECISION MEASUREMENT  
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