



BARGE "CTCo 316"

ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 236'-03"

September 12, 2013

PRECISION MEASUREMENT
 & ANALYSIS, INC.

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BARGE "CTCo 316"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/2"

| 0 FT. | | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | | 7 FT. | | 8 FT. | | 9 FT. | |
|-------|-----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 0 | | 0 | 5,103.57 | 0 | 4,767.95 | 0 | 4,427.25 | 0 | 4,065.95 | 0 | 3,699.13 | 0 | 3,331.97 | 0 | 2,964.56 | 0 | 2,596.98 | 0 | 2,229.41 |
| 1/4 | 1/4 | 5,097.51 | 4,761.10 | 4,419.92 | 4,058.31 | 3,691.48 | 3,324.32 | 2,956.90 | 2,589.32 | 2,221.75 | | | | | | | | | |
| 1/2 | 1/2 | 5,091.46 | 4,754.25 | 4,412.60 | 4,050.67 | 3,683.84 | 3,316.66 | 2,949.24 | 2,581.67 | 2,214.09 | | | | | | | | | |
| 3/4 | 3/4 | 5,084.25 | 4,747.34 | 4,405.23 | 4,043.03 | 3,676.20 | 3,309.01 | 2,941.58 | 2,574.01 | 2,206.43 | | | | | | | | | |
| 1 | 1 | 5,077.05 | 4,740.44 | 4,397.86 | 4,035.38 | 3,668.56 | 3,301.36 | 2,933.92 | 2,566.35 | 2,198.78 | | | | | | | | | |
| 1/4 | 1/4 | 5,069.85 | 4,733.53 | 4,390.50 | 4,027.74 | 3,660.92 | 3,293.70 | 2,926.27 | 2,558.69 | 2,191.12 | | | | | | | | | |
| 1/2 | 1/2 | 5,062.64 | 4,726.63 | 4,383.13 | 4,020.10 | 3,653.27 | 3,286.05 | 2,918.61 | 2,551.03 | 2,183.46 | | | | | | | | | |
| 3/4 | 3/4 | 5,055.06 | 4,719.67 | 4,375.72 | 4,012.46 | 3,645.63 | 3,278.40 | 2,910.95 | 2,543.38 | 2,175.80 | | | | | | | | | |
| 2 | 2 | 5,047.47 | 4,712.71 | 4,368.32 | 4,004.81 | 3,637.99 | 3,270.74 | 2,903.29 | 2,535.72 | 2,168.14 | | | | | | | | | |
| 1/4 | 1/4 | 5,039.89 | 4,705.75 | 4,360.92 | 3,997.17 | 3,630.35 | 3,263.09 | 2,895.64 | 2,528.06 | 2,160.49 | | | | | | | | | |
| 1/2 | 1/2 | 5,032.30 | 4,698.79 | 4,353.52 | 3,989.53 | 3,622.70 | 3,255.43 | 2,887.98 | 2,520.40 | 2,152.83 | | | | | | | | | |
| 3/4 | 3/4 | 5,024.72 | 4,691.79 | 4,346.08 | 3,981.89 | 3,615.06 | 3,247.78 | 2,880.32 | 2,512.75 | 2,145.17 | | | | | | | | | |
| 3 | 3 | 5,017.13 | 4,684.80 | 4,338.65 | 3,974.25 | 3,607.42 | 3,240.13 | 2,872.66 | 2,505.09 | 2,137.51 | | | | | | | | | |
| 1/4 | 1/4 | 5,009.55 | 4,677.80 | 4,331.21 | 3,966.60 | 3,599.78 | 3,232.47 | 2,865.00 | 2,497.43 | 2,129.86 | | | | | | | | | |
| 1/2 | 1/2 | 5,001.97 | 4,670.80 | 4,323.78 | 3,958.96 | 3,592.14 | 3,224.82 | 2,857.35 | 2,489.77 | 2,122.20 | | | | | | | | | |
| 3/4 | 3/4 | 4,994.38 | 4,663.77 | 4,316.31 | 3,951.32 | 3,584.49 | 3,217.17 | 2,849.69 | 2,482.11 | 2,114.54 | | | | | | | | | |
| 4 | 4 | 4,986.80 | 4,656.73 | 4,308.84 | 3,943.68 | 3,576.85 | 3,209.51 | 2,842.03 | 2,474.46 | 2,106.88 | | | | | | | | | |
| 1/4 | 1/4 | 4,979.21 | 4,649.70 | 4,301.37 | 3,936.03 | 3,569.21 | 3,201.86 | 2,834.37 | 2,466.80 | 2,099.22 | | | | | | | | | |
| 1/2 | 1/2 | 4,971.63 | 4,642.66 | 4,293.90 | 3,928.39 | 3,561.57 | 3,194.20 | 2,826.72 | 2,459.14 | 2,091.57 | | | | | | | | | |
| 3/4 | 3/4 | 4,964.52 | 4,635.59 | 4,286.39 | 3,920.75 | 3,553.92 | 3,186.55 | 2,819.06 | 2,451.48 | 2,083.91 | | | | | | | | | |
| 5 | 5 | 4,957.41 | 4,628.53 | 4,278.88 | 3,913.11 | 3,546.27 | 3,178.90 | 2,811.40 | 2,443.83 | 2,076.25 | | | | | | | | | |
| 1/4 | 1/4 | 4,950.31 | 4,621.46 | 4,271.38 | 3,905.47 | 3,538.62 | 3,171.24 | 2,803.74 | 2,436.17 | 2,068.59 | | | | | | | | | |
| 1/2 | 1/2 | 4,943.20 | 4,614.39 | 4,263.87 | 3,897.82 | 3,530.97 | 3,163.59 | 2,796.08 | 2,428.51 | 2,060.94 | | | | | | | | | |
| 3/4 | 3/4 | 4,936.56 | 4,607.29 | 4,256.32 | 3,890.18 | 3,523.32 | 3,155.94 | 2,788.43 | 2,420.85 | 2,053.28 | | | | | | | | | |
| 6 | 6 | 4,929.91 | 4,600.18 | 4,248.78 | 3,882.54 | 3,515.66 | 3,148.28 | 2,780.77 | 2,413.19 | 2,045.62 | | | | | | | | | |
| 1/4 | 1/4 | 4,923.27 | 4,593.08 | 4,241.23 | 3,874.90 | 3,508.01 | 3,140.63 | 2,773.11 | 2,405.54 | 2,037.96 | | | | | | | | | |
| 1/2 | 1/2 | 4,916.62 | 4,585.98 | 4,233.69 | 3,867.25 | 3,500.36 | 3,132.97 | 2,765.45 | 2,397.88 | 2,030.30 | | | | | | | | | |
| 3/4 | 3/4 | 4,909.94 | 4,578.84 | 4,226.11 | 3,859.61 | 3,492.70 | 3,125.32 | 2,757.80 | 2,390.22 | 2,022.65 | | | | | | | | | |
| 7 | 7 | 4,903.27 | 4,571.71 | 4,218.53 | 3,851.97 | 3,485.05 | 3,117.67 | 2,750.14 | 2,382.56 | 2,014.99 | | | | | | | | | |
| 1/4 | 1/4 | 4,896.59 | 4,564.57 | 4,210.95 | 3,844.33 | 3,477.39 | 3,110.01 | 2,742.48 | 2,374.91 | 2,007.33 | | | | | | | | | |
| 1/2 | 1/2 | 4,889.91 | 4,557.44 | 4,203.37 | 3,836.69 | 3,469.74 | 3,102.36 | 2,734.82 | 2,367.25 | 1,999.67 | | | | | | | | | |
| 3/4 | 3/4 | 4,883.20 | 4,550.27 | 4,195.76 | 3,829.04 | 3,462.09 | 3,094.70 | 2,727.16 | 2,359.59 | 1,992.02 | | | | | | | | | |
| 8 | 8 | 4,876.49 | 4,543.10 | 4,188.14 | 3,821.40 | 3,454.43 | 3,087.05 | 2,719.51 | 2,351.93 | 1,984.36 | | | | | | | | | |
| 1/4 | 1/4 | 4,869.78 | 4,535.93 | 4,180.53 | 3,813.76 | 3,446.78 | 3,079.40 | 2,711.85 | 2,344.27 | 1,976.70 | | | | | | | | | |
| 1/2 | 1/2 | 4,863.06 | 4,528.76 | 4,172.92 | 3,806.12 | 3,439.13 | 3,071.74 | 2,704.19 | 2,336.62 | 1,969.04 | | | | | | | | | |
| 3/4 | 3/4 | 4,856.31 | 4,521.56 | 4,165.28 | 3,798.47 | 3,431.47 | 3,064.09 | 2,696.53 | 2,328.96 | 1,961.38 | | | | | | | | | |
| 9 | 9 | 4,849.56 | 4,514.35 | 4,157.65 | 3,790.83 | 3,423.82 | 3,056.44 | 2,688.87 | 2,321.30 | 1,953.73 | | | | | | | | | |
| 1/4 | 1/4 | 4,842.81 | 4,507.15 | 4,150.01 | 3,783.19 | 3,416.16 | 3,048.78 | 2,681.22 | 2,313.64 | 1,946.07 | | | | | | | | | |
| 1/2 | 1/2 | 4,836.06 | 4,499.95 | 4,142.37 | 3,775.55 | 3,408.51 | 3,041.13 | 2,673.56 | 2,305.98 | 1,938.41 | | | | | | | | | |
| 3/4 | 3/4 | 4,829.28 | 4,492.71 | 4,134.73 | 3,767.91 | 3,400.86 | 3,033.47 | 2,665.90 | 2,298.33 | 1,930.75 | | | | | | | | | |
| 10 | 10 | 4,822.49 | 4,485.47 | 4,127.09 | 3,760.26 | 3,393.20 | 3,025.82 | 2,658.24 | 2,290.67 | 1,923.09 | | | | | | | | | |
| 1/4 | 1/4 | 4,815.71 | 4,478.23 | 4,119.45 | 3,752.62 | 3,385.55 | 3,018.17 | 2,650.59 | 2,283.01 | 1,915.44 | | | | | | | | | |
| 1/2 | 1/2 | 4,808.92 | 4,471.00 | 4,111.80 | 3,744.98 | 3,377.90 | 3,010.51 | 2,642.93 | 2,275.35 | 1,907.78 | | | | | | | | | |
| 3/4 | 3/4 | 4,802.11 | 4,463.72 | 4,104.16 | 3,737.34 | 3,370.24 | 3,002.85 | 2,635.27 | 2,267.70 | 1,900.12 | | | | | | | | | |
| 11 | 11 | 4,795.29 | 4,456.45 | 4,096.52 | 3,729.69 | 3,362.59 | 2,995.19 | 2,627.61 | 2,260.04 | 1,892.46 | | | | | | | | | |
| 1/4 | 1/4 | 4,788.47 | 4,449.17 | 4,088.88 | 3,722.05 | 3,354.93 | 2,987.53 | 2,619.95 | 2,252.38 | 1,884.81 | | | | | | | | | |
| 1/2 | 1/2 | 4,781.65 | 4,441.90 | 4,081.24 | 3,714.41 | 3,347.28 | 2,979.87 | 2,612.30 | 2,244.72 | 1,877.15 | | | | | | | | | |
| 3/4 | 3/4 | 4,774.80 | 4,434.57 | 4,073.59 | 3,706.77 | 3,339.63 | 2,972.21 | 2,604.64 | 2,237.06 | 1,869.49 | | | | | | | | | |

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 AT 2" DIAMETER OPENING ON "HERMETIC" CLOSED GAUGING VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "CTCo 316"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/2"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 1,861.83 | 0 | 1,494.26 | 0 | 1,126.80 | 0 | 761.32 | 0 | 397.57 | 0 | 76.00 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 1,854.17 | 1/4 | 1,486.60 | 1/4 | 1,119.17 | 1/4 | 753.66 | 1/4 | 390.32 | 1/4 | 69.87 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,846.52 | 1/2 | 1,478.94 | 1/2 | 1,111.55 | 1/2 | 746.01 | 1/2 | 383.07 | 1/2 | 63.75 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,838.86 | 3/4 | 1,471.28 | 3/4 | 1,103.92 | 3/4 | 738.35 | 3/4 | 375.92 | 3/4 | 58.19 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 1,831.20 | 1 | 1,463.63 | 1 | 1,096.30 | 1 | 730.69 | 1 | 368.76 | 1 | 52.63 | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 1,823.54 | 1/4 | 1,455.97 | 1/4 | 1,088.68 | 1/4 | 723.03 | 1/4 | 361.60 | 1/4 | 47.08 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,815.89 | 1/2 | 1,448.31 | 1/2 | 1,081.06 | 1/2 | 715.38 | 1/2 | 354.44 | 1/2 | 41.52 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,808.23 | 3/4 | 1,440.65 | 3/4 | 1,073.45 | 3/4 | 707.72 | 3/4 | 347.38 | 3/4 | 37.02 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 1,800.57 | 2 | 1,433.00 | 2 | 1,065.83 | 2 | 700.06 | 2 | 340.31 | 2 | 32.53 | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 1,792.91 | 1/4 | 1,425.34 | 1/4 | 1,058.22 | 1/4 | 692.40 | 1/4 | 333.24 | 1/4 | 28.03 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,785.25 | 1/2 | 1,417.68 | 1/2 | 1,050.60 | 1/2 | 684.75 | 1/2 | 326.18 | 1/2 | 23.53 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,777.60 | 3/4 | 1,410.02 | 3/4 | 1,042.99 | 3/4 | 677.09 | 3/4 | 319.20 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 1,769.94 | 3 | 1,402.36 | 3 | 1,035.38 | 3 | 669.43 | 3 | 312.22 | 3 | | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 1,762.28 | 1/4 | 1,394.71 | 1/4 | 1,027.77 | 1/4 | 661.77 | 1/4 | 305.25 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,754.62 | 1/2 | 1,387.05 | 1/2 | 1,020.16 | 1/2 | 654.11 | 1/2 | 298.27 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,746.97 | 3/4 | 1,379.39 | 3/4 | 1,012.55 | 3/4 | 646.46 | 3/4 | 291.39 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 1,739.31 | 4 | 1,371.73 | 4 | 1,004.95 | 4 | 638.80 | 4 | 284.50 | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 1,731.65 | 1/4 | 1,364.08 | 1/4 | 997.34 | 1/4 | 631.14 | 1/4 | 277.62 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,723.99 | 1/2 | 1,356.42 | 1/2 | 989.73 | 1/2 | 623.48 | 1/2 | 270.73 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,716.33 | 3/4 | 1,348.76 | 3/4 | 982.13 | 3/4 | 615.83 | 3/4 | 263.94 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 1,708.68 | 5 | 1,341.10 | 5 | 974.52 | 5 | 608.17 | 5 | 257.14 | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 1,701.02 | 1/4 | 1,333.44 | 1/4 | 966.91 | 1/4 | 600.51 | 1/4 | 250.35 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,693.36 | 1/2 | 1,325.79 | 1/2 | 959.30 | 1/2 | 592.85 | 1/2 | 243.55 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,685.70 | 3/4 | 1,318.13 | 3/4 | 951.70 | 3/4 | 585.20 | 3/4 | 236.85 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 1,678.05 | 6 | 1,310.47 | 6 | 944.09 | 6 | 577.54 | 6 | 230.15 | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 1,670.39 | 1/4 | 1,302.81 | 1/4 | 936.48 | 1/4 | 569.88 | 1/4 | 223.44 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,662.73 | 1/2 | 1,295.16 | 1/2 | 928.88 | 1/2 | 562.22 | 1/2 | 216.74 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,655.07 | 3/4 | 1,287.50 | 3/4 | 921.27 | 3/4 | 554.58 | 3/4 | 210.13 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 1,647.41 | 7 | 1,279.84 | 7 | 913.66 | 7 | 546.93 | 7 | 203.51 | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 1,639.76 | 1/4 | 1,272.18 | 1/4 | 906.06 | 1/4 | 539.28 | 1/4 | 196.90 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,632.10 | 1/2 | 1,264.52 | 1/2 | 898.45 | 1/2 | 531.64 | 1/2 | 190.29 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,624.44 | 3/4 | 1,256.87 | 3/4 | 890.84 | 3/4 | 524.04 | 3/4 | 183.77 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 1,616.78 | 8 | 1,249.21 | 8 | 883.24 | 8 | 516.44 | 8 | 177.24 | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 1,609.13 | 1/4 | 1,241.55 | 1/4 | 875.63 | 1/4 | 508.84 | 1/4 | 170.72 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,601.47 | 1/2 | 1,233.89 | 1/2 | 868.02 | 1/2 | 501.23 | 1/2 | 164.20 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,593.81 | 3/4 | 1,226.24 | 3/4 | 860.42 | 3/4 | 493.71 | 3/4 | 157.77 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 1,586.15 | 9 | 1,218.58 | 9 | 852.81 | 9 | 486.19 | 9 | 151.35 | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 1,578.49 | 1/4 | 1,210.92 | 1/4 | 845.20 | 1/4 | 478.67 | 1/4 | 144.92 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,570.84 | 1/2 | 1,203.26 | 1/2 | 837.59 | 1/2 | 471.15 | 1/2 | 138.49 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,563.18 | 3/4 | 1,195.60 | 3/4 | 829.99 | 3/4 | 463.72 | 3/4 | 132.16 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 1,555.52 | 10 | 1,187.95 | 10 | 822.38 | 10 | 456.29 | 10 | 125.83 | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 1,547.86 | 1/4 | 1,180.29 | 1/4 | 814.77 | 1/4 | 448.86 | 1/4 | 119.50 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,540.20 | 1/2 | 1,172.63 | 1/2 | 807.17 | 1/2 | 441.43 | 1/2 | 113.17 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,532.55 | 3/4 | 1,164.99 | 3/4 | 799.53 | 3/4 | 434.09 | 3/4 | 106.94 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 1,524.89 | 11 | 1,157.34 | 11 | 791.90 | 11 | 426.75 | 11 | 100.70 | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 1,517.23 | 1/4 | 1,149.70 | 1/4 | 784.27 | 1/4 | 419.41 | 1/4 | 94.47 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,509.57 | 1/2 | 1,142.06 | 1/2 | 776.64 | 1/2 | 412.07 | 1/2 | 88.24 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,501.92 | 3/4 | 1,134.43 | 3/4 | 768.98 | 3/4 | 404.82 | 3/4 | 82.12 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/12/2013 CL
CALCULATED: 09/12/2013 CL
PRINTED: 09/12/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2013

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



BARGE "CTCo 316"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/2"

| 0 FT. | | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | | 7 FT. | | 8 FT. | | 9 FT. | | | |
|-------|--|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|----|--|
| IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | |
| 0 | | 0 | 5,097.48 | 0 | 4,762.03 | 0 | 4,421.50 | 0 | 4,060.39 | 0 | 3,693.74 | 0 | 3,327.09 | 0 | 2,960.44 | 0 | 2,593.60 | 0 | 2,226.76 | | |
| 1/4 | | 1/4 | 5,091.43 | 1/4 | 4,755.19 | 1/4 | 4,414.18 | 1/4 | 4,052.75 | 1/4 | 3,686.10 | 1/4 | 3,319.46 | 1/4 | 2,952.80 | 1/4 | 2,585.96 | 1/4 | 2,219.12 | | |
| 1/2 | | 1/2 | 5,085.38 | 1/2 | 4,748.34 | 1/2 | 4,406.86 | 1/2 | 4,045.11 | 1/2 | 3,678.46 | 1/2 | 3,311.82 | 1/2 | 2,945.16 | 1/2 | 2,578.32 | 1/2 | 2,211.48 | | |
| 3/4 | | 3/4 | 5,078.18 | 3/4 | 4,741.44 | 3/4 | 4,399.49 | 3/4 | 4,037.47 | 3/4 | 3,670.83 | 3/4 | 3,304.18 | 3/4 | 2,937.51 | 3/4 | 2,570.67 | 3/4 | 2,203.83 | | |
| 1 | | 1 | 5,070.98 | 1 | 4,734.53 | 1 | 4,392.13 | 1 | 4,029.84 | 1 | 3,663.19 | 1 | 3,296.54 | 1 | 2,929.87 | 1 | 2,563.03 | 1 | 2,196.19 | | |
| 1/4 | | 1/4 | 5,063.78 | 1/4 | 4,727.63 | 1/4 | 4,384.76 | 1/4 | 4,022.20 | 1/4 | 3,655.55 | 1/4 | 3,288.90 | 1/4 | 2,922.23 | 1/4 | 2,555.39 | 1/4 | 2,188.55 | | |
| 1/2 | | 1/2 | 5,056.59 | 1/2 | 4,720.73 | 1/2 | 4,377.40 | 1/2 | 4,014.56 | 1/2 | 3,647.91 | 1/2 | 3,281.26 | 1/2 | 2,914.59 | 1/2 | 2,547.75 | 1/2 | 2,180.91 | | |
| 3/4 | | 3/4 | 5,049.00 | 3/4 | 4,713.77 | 3/4 | 4,370.00 | 3/4 | 4,006.92 | 3/4 | 3,640.27 | 3/4 | 3,273.62 | 3/4 | 2,906.94 | 3/4 | 2,540.10 | 3/4 | 2,173.26 | | |
| 2 | | 2 | 5,041.42 | 2 | 4,706.82 | 2 | 4,362.60 | 2 | 3,999.28 | 2 | 3,632.63 | 2 | 3,265.99 | 2 | 2,899.30 | 2 | 2,532.46 | 2 | 2,165.62 | | |
| 1/4 | | 1/4 | 5,033.84 | 1/4 | 4,699.86 | 1/4 | 4,355.20 | 1/4 | 3,991.64 | 1/4 | 3,625.00 | 1/4 | 3,258.35 | 1/4 | 2,891.66 | 1/4 | 2,524.82 | 1/4 | 2,157.98 | | |
| 1/2 | | 1/2 | 5,026.26 | 1/2 | 4,692.91 | 1/2 | 4,347.80 | 1/2 | 3,984.00 | 1/2 | 3,617.36 | 1/2 | 3,250.71 | 1/2 | 2,884.02 | 1/2 | 2,517.18 | 1/2 | 2,150.34 | | |
| 3/4 | | 3/4 | 5,018.68 | 3/4 | 4,685.91 | 3/4 | 4,340.37 | 3/4 | 3,976.37 | 3/4 | 3,609.72 | 3/4 | 3,243.07 | 3/4 | 2,876.37 | 3/4 | 2,509.53 | 3/4 | 2,142.69 | | |
| 3 | | 3 | 5,011.10 | 3 | 4,678.92 | 3 | 4,332.94 | 3 | 3,968.73 | 3 | 3,602.08 | 3 | 3,235.43 | 3 | 2,868.73 | 3 | 2,501.89 | 3 | 2,135.05 | | |
| 1/4 | | 1/4 | 5,003.52 | 1/4 | 4,671.93 | 1/4 | 4,325.51 | 1/4 | 3,961.09 | 1/4 | 3,594.44 | 1/4 | 3,227.79 | 1/4 | 2,861.09 | 1/4 | 2,494.25 | 1/4 | 2,127.41 | | |
| 1/2 | | 1/2 | 4,995.94 | 1/2 | 4,664.93 | 1/2 | 4,318.08 | 1/2 | 3,953.45 | 1/2 | 3,586.80 | 1/2 | 3,220.15 | 1/2 | 2,853.45 | 1/2 | 2,486.61 | 1/2 | 2,119.77 | | |
| 3/4 | | 3/4 | 4,988.36 | 3/4 | 4,657.90 | 3/4 | 4,310.61 | 3/4 | 3,945.81 | 3/4 | 3,579.16 | 3/4 | 3,212.52 | 3/4 | 2,845.80 | 3/4 | 2,478.96 | 3/4 | 2,112.12 | | |
| 4 | | 4 | 4,980.78 | 4 | 4,650.87 | 4 | 4,303.14 | 4 | 3,938.17 | 4 | 3,571.53 | 4 | 3,204.88 | 4 | 2,838.16 | 4 | 2,471.32 | 4 | 2,104.48 | | |
| 1/4 | | 1/4 | 4,973.19 | 1/4 | 4,643.84 | 1/4 | 4,295.68 | 1/4 | 3,930.54 | 1/4 | 3,563.89 | 1/4 | 3,197.24 | 1/4 | 2,830.52 | 1/4 | 2,463.68 | 1/4 | 2,096.84 | | |
| 1/2 | | 1/2 | 4,965.61 | 1/2 | 4,636.81 | 1/2 | 4,288.21 | 1/2 | 3,922.90 | 1/2 | 3,556.25 | 1/2 | 3,189.60 | 1/2 | 2,822.88 | 1/2 | 2,456.04 | 1/2 | 2,089.20 | | |
| 3/4 | | 3/4 | 4,958.51 | 3/4 | 4,629.74 | 3/4 | 4,280.71 | 3/4 | 3,915.26 | 3/4 | 3,548.61 | 3/4 | 3,181.96 | 3/4 | 2,815.23 | 3/4 | 2,448.39 | 3/4 | 2,081.55 | | |
| 5 | | 5 | 4,951.41 | 5 | 4,622.68 | 5 | 4,273.21 | 5 | 3,907.62 | 5 | 3,540.97 | 5 | 3,174.32 | 5 | 2,807.59 | 5 | 2,440.75 | 5 | 2,073.91 | | |
| 1/4 | | 1/4 | 4,944.30 | 1/4 | 4,615.61 | 1/4 | 4,265.70 | 1/4 | 3,899.98 | 1/4 | 3,533.33 | 1/4 | 3,166.69 | 1/4 | 2,799.95 | 1/4 | 2,433.11 | 1/4 | 2,066.27 | | |
| 1/2 | | 1/2 | 4,937.20 | 1/2 | 4,608.55 | 1/2 | 4,258.20 | 1/2 | 3,892.34 | 1/2 | 3,525.69 | 1/2 | 3,159.05 | 1/2 | 2,792.31 | 1/2 | 2,425.47 | 1/2 | 2,058.63 | | |
| 3/4 | | 3/4 | 4,930.56 | 3/4 | 4,601.45 | 3/4 | 4,250.66 | 3/4 | 3,884.70 | 3/4 | 3,518.06 | 3/4 | 3,151.41 | 3/4 | 2,784.66 | 3/4 | 2,417.82 | 3/4 | 2,050.98 | | |
| 6 | | 6 | 4,923.92 | 6 | 4,594.35 | 6 | 4,243.11 | 6 | 3,877.07 | 6 | 3,510.42 | 6 | 3,143.77 | 6 | 2,777.02 | 6 | 2,410.18 | 6 | 2,043.34 | | |
| 1/4 | | 1/4 | 4,917.28 | 1/4 | 4,587.25 | 1/4 | 4,235.57 | 1/4 | 3,869.43 | 1/4 | 3,502.78 | 1/4 | 3,136.13 | 1/4 | 2,769.38 | 1/4 | 2,402.54 | 1/4 | 2,035.70 | | |
| 1/2 | | 1/2 | 4,910.63 | 1/2 | 4,580.15 | 1/2 | 4,228.03 | 1/2 | 3,861.79 | 1/2 | 3,495.14 | 1/2 | 3,128.49 | 1/2 | 2,761.74 | 1/2 | 2,394.90 | 1/2 | 2,028.06 | | |
| 3/4 | | 3/4 | 4,903.96 | 3/4 | 4,573.02 | 3/4 | 4,220.46 | 3/4 | 3,854.15 | 3/4 | 3,487.50 | 3/4 | 3,120.85 | 3/4 | 2,754.09 | 3/4 | 2,387.25 | 3/4 | 2,020.41 | | |
| 7 | | 7 | 4,897.29 | 7 | 4,565.89 | 7 | 4,212.88 | 7 | 3,846.51 | 7 | 3,479.86 | 7 | 3,113.22 | 7 | 2,746.45 | 7 | 2,379.61 | 7 | 2,012.77 | | |
| 1/4 | | 1/4 | 4,890.61 | 1/4 | 4,558.76 | 1/4 | 4,205.30 | 1/4 | 3,838.87 | 1/4 | 3,472.23 | 1/4 | 3,105.58 | 1/4 | 2,738.81 | 1/4 | 2,371.97 | 1/4 | 2,005.13 | | |
| 1/2 | | 1/2 | 4,883.94 | 1/2 | 4,551.62 | 1/2 | 4,197.73 | 1/2 | 3,831.23 | 1/2 | 3,464.59 | 1/2 | 3,097.94 | 1/2 | 2,731.17 | 1/2 | 2,364.33 | 1/2 | 1,997.49 | | |
| 3/4 | | 3/4 | 4,877.23 | 3/4 | 4,544.46 | 3/4 | 4,190.12 | 3/4 | 3,823.60 | 3/4 | 3,456.95 | 3/4 | 3,090.30 | 3/4 | 2,723.52 | 3/4 | 2,356.68 | 3/4 | 1,989.84 | | |
| 8 | | 8 | 4,870.52 | 8 | 4,537.29 | 8 | 4,182.51 | 8 | 3,815.96 | 8 | 3,449.31 | 8 | 3,082.66 | 8 | 2,715.88 | 8 | 2,349.04 | 8 | 1,982.20 | | |
| 1/4 | | 1/4 | 4,863.81 | 1/4 | 4,530.13 | 1/4 | 4,174.90 | 1/4 | 3,808.32 | 1/4 | 3,441.67 | 1/4 | 3,075.02 | 1/4 | 2,708.24 | 1/4 | 2,341.40 | 1/4 | 1,974.56 | | |
| 1/2 | | 1/2 | 4,857.10 | 1/2 | 4,522.96 | 1/2 | 4,167.29 | 1/2 | 3,800.68 | 1/2 | 3,434.03 | 1/2 | 3,067.38 | 1/2 | 2,700.60 | 1/2 | 2,333.76 | 1/2 | 1,966.92 | | |
| 3/4 | | 3/4 | 4,850.36 | 3/4 | 4,515.76 | 3/4 | 4,159.66 | 3/4 | 3,793.04 | 3/4 | 3,426.39 | 3/4 | 3,059.75 | 3/4 | 2,692.95 | 3/4 | 2,326.11 | 3/4 | 1,959.27 | | |
| 9 | | 9 | 4,843.61 | 9 | 4,508.56 | 9 | 4,152.03 | 9 | 3,785.40 | 9 | 3,418.76 | 9 | 3,052.11 | 9 | 2,685.31 | 9 | 2,318.47 | 9 | 1,951.63 | | |
| 1/4 | | 1/4 | 4,836.86 | 1/4 | 4,501.36 | 1/4 | 4,144.40 | 1/4 | 3,777.77 | 1/4 | 3,411.12 | 1/4 | 3,044.47 | 1/4 | 2,677.67 | 1/4 | 2,310.83 | 1/4 | 1,943.99 | | |
| 1/2 | | 1/2 | 4,830.11 | 1/2 | 4,494.16 | 1/2 | 4,136.77 | 1/2 | 3,770.13 | 1/2 | 3,403.48 | 1/2 | 3,036.83 | 1/2 | 2,670.03 | 1/2 | 2,303.19 | 1/2 | 1,936.35 | | |
| 3/4 | | 3/4 | 4,823.33 | 3/4 | 4,486.93 | 3/4 | 4,129.14 | 3/4 | 3,762.49 | 3/4 | 3,395.84 | 3/4 | 3,029.19 | 3/4 | 2,662.38 | 3/4 | 2,295.54 | 3/4 | 1,928.70 | | |
| 10 | | 10 | 4,816.55 | 10 | 4,479.69 | 10 | 4,121.50 | 10 | 3,754.85 | 10 | 3,388.20 | 10 | 3,021.55 | 10 | 2,654.74 | 10 | 2,287.90 | 10 | 1,921.06 | | |
| 1/4 | | 1/4 | 4,809.77 | 1/4 | 4,472.46 | 1/4 | 4,113.86 | 1/4 | 3,747.21 | 1/4 | 3,380.56 | 1/4 | 3,013.92 | 1/4 | 2,647.10 | 1/4 | 2,280.26 | 1/4 | 1,913.42 | | |
| 1/2 | | 1/2 | 4,802.99 | 1/2 | 4,465.23 | 1/2 | 4,106.22 | 1/2 | 3,739.57 | 1/2 | 3,372.92 | 1/2 | 3,006.28 | 1/2 | 2,639.46 | 1/2 | 2,272.62 | 1/2 | 1,905.78 | | |
| 3/4 | | 3/4 | 4,796.17 | 3/4 | 4,457.95 | 3/4 | 4,098.58 | 3/4 | 3,731.93 | 3/4 | 3,365.29 | 3/4 | 2,998.64 | 3/4 | 2,631.81 | 3/4 | 2,264.97 | 3/4 | 1,898.13 | | |
| 11 | | 11 | 4,789.36 | 11 | 4,450.68 | 11 | 4,090.94 | 11 | 3,724.30 | 11 | 3,357.65 | 11 | 2,991.00 | 11 | 2,624.17 | 11 | 2,257.33 | 11 | 1,890.49 | | |
| 1/4 | | 1/4 | 4,782.55 | 1/4 | 4,443.41 | 1/4 | 4,083.31 | 1/4 | 3,716.66 | 1/4 | 3,350.01 | 1/4 | 2,983.36 | 1/4 | 2,616.53 | 1/4 | 2,249.69 | 1/4 | 1,882.85 | | |
| 1/2 | | 1/2 | 4,775.73 | 1/2 | 4,436.14 | 1/2 | 4,075.67 | 1/2 | 3,709.02 | 1/2 | 3,342.37 | 1/2 | 2,975.73 | 1/2 | 2,608.89 | 1/2 | 2,242.05 | 1/2 | 1,875.21 | | |
| 3/4 | | 3/4 | 4,768.88 | 3/4 | 4,428.82 | 3/4 | 4,068.03 | 3/4 | 3,701.38 | 3/4 | 3,334.73 | 3/4 | 2,968.08 | 3/4 | 2,601.24 | 3/4 | 2,234.40 | 3/4 | 1,867.56 | | |

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 AT 2" DIAMETER OPENING ON "HERMETIC" CLOSED GAUGING VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTCo 316"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/2"

| 10 FT. | | 11 FT. | | 12 FT. | | 13 FT. | | 14 FT. | | 15 FT. | | 16 FT. | | 17 FT. | | 18 FT. | | 19 FT. | |
|--------|----------|--------|----------|--------|----------|--------|--------|--------|--------|--------|-------|--------|--|--------|--|--------|--|--------|--|
| IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | |
| 0 | 1,859.92 | 0 | 1,493.08 | 0 | 1,126.24 | 0 | 759.90 | 0 | 396.95 | 0 | 75.96 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 1,852.28 | 1/4 | 1,485.44 | 1/4 | 1,118.60 | 1/4 | 752.26 | 1/4 | 389.71 | 1/4 | 69.84 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,844.64 | 1/2 | 1,477.80 | 1/2 | 1,110.96 | 1/2 | 744.62 | 1/2 | 382.48 | 1/2 | 63.72 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,836.99 | 3/4 | 1,470.15 | 3/4 | 1,103.32 | 3/4 | 736.97 | 3/4 | 375.34 | 3/4 | 58.17 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 1,829.35 | 1 | 1,462.51 | 1 | 1,095.68 | 1 | 729.33 | 1 | 368.19 | 1 | 52.61 | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 1,821.71 | 1/4 | 1,454.87 | 1/4 | 1,088.04 | 1/4 | 721.69 | 1/4 | 361.05 | 1/4 | 47.05 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,814.07 | 1/2 | 1,447.23 | 1/2 | 1,080.40 | 1/2 | 714.05 | 1/2 | 353.91 | 1/2 | 41.50 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,806.42 | 3/4 | 1,439.58 | 3/4 | 1,072.76 | 3/4 | 706.41 | 3/4 | 346.86 | 3/4 | 37.00 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 1,798.78 | 2 | 1,431.94 | 2 | 1,065.13 | 2 | 698.76 | 2 | 339.80 | 2 | 32.51 | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 1,791.14 | 1/4 | 1,424.30 | 1/4 | 1,057.49 | 1/4 | 691.12 | 1/4 | 332.75 | 1/4 | 28.02 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,783.50 | 1/2 | 1,416.66 | 1/2 | 1,049.86 | 1/2 | 683.48 | 1/2 | 325.70 | 1/2 | 23.52 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,775.85 | 3/4 | 1,409.01 | 3/4 | 1,042.22 | 3/4 | 675.84 | 3/4 | 318.74 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 1,768.21 | 3 | 1,401.37 | 3 | 1,034.59 | 3 | 668.19 | 3 | 311.78 | 3 | | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 1,760.57 | 1/4 | 1,393.73 | 1/4 | 1,026.96 | 1/4 | 660.55 | 1/4 | 304.82 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,752.93 | 1/2 | 1,386.09 | 1/2 | 1,019.33 | 1/2 | 652.91 | 1/2 | 297.86 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,745.28 | 3/4 | 1,378.44 | 3/4 | 1,011.70 | 3/4 | 645.27 | 3/4 | 290.98 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 1,737.64 | 4 | 1,370.80 | 4 | 1,004.07 | 4 | 637.63 | 4 | 284.11 | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 1,730.00 | 1/4 | 1,363.16 | 1/4 | 996.44 | 1/4 | 629.98 | 1/4 | 277.24 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,722.36 | 1/2 | 1,355.52 | 1/2 | 988.81 | 1/2 | 622.34 | 1/2 | 270.37 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,714.71 | 3/4 | 1,347.87 | 3/4 | 981.18 | 3/4 | 614.70 | 3/4 | 263.59 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 1,707.07 | 5 | 1,340.23 | 5 | 973.56 | 5 | 607.06 | 5 | 256.81 | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 1,699.43 | 1/4 | 1,332.59 | 1/4 | 965.93 | 1/4 | 599.41 | 1/4 | 250.03 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,691.79 | 1/2 | 1,324.95 | 1/2 | 958.30 | 1/2 | 591.77 | 1/2 | 243.26 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,684.14 | 3/4 | 1,317.30 | 3/4 | 950.67 | 3/4 | 584.13 | 3/4 | 236.57 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 1,676.50 | 6 | 1,309.66 | 6 | 943.04 | 6 | 576.50 | 6 | 229.88 | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 1,668.86 | 1/4 | 1,302.02 | 1/4 | 935.41 | 1/4 | 568.86 | 1/4 | 223.19 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,661.22 | 1/2 | 1,294.38 | 1/2 | 927.78 | 1/2 | 561.22 | 1/2 | 216.50 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,653.57 | 3/4 | 1,286.73 | 3/4 | 920.16 | 3/4 | 553.59 | 3/4 | 209.90 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 1,645.93 | 7 | 1,279.09 | 7 | 912.53 | 7 | 545.97 | 7 | 203.30 | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 1,638.29 | 1/4 | 1,271.45 | 1/4 | 904.90 | 1/4 | 538.35 | 1/4 | 196.71 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,630.65 | 1/2 | 1,263.81 | 1/2 | 897.27 | 1/2 | 530.72 | 1/2 | 190.11 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,623.00 | 3/4 | 1,256.16 | 3/4 | 889.64 | 3/4 | 523.14 | 3/4 | 183.60 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 1,615.36 | 8 | 1,248.52 | 8 | 882.01 | 8 | 515.56 | 8 | 177.09 | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 1,607.72 | 1/4 | 1,240.88 | 1/4 | 874.38 | 1/4 | 507.98 | 1/4 | 170.59 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,600.08 | 1/2 | 1,233.24 | 1/2 | 866.76 | 1/2 | 500.40 | 1/2 | 164.08 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,592.43 | 3/4 | 1,225.59 | 3/4 | 859.13 | 3/4 | 492.89 | 3/4 | 157.66 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 1,584.79 | 9 | 1,217.95 | 9 | 851.50 | 9 | 485.39 | 9 | 151.25 | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 1,577.15 | 1/4 | 1,210.31 | 1/4 | 843.87 | 1/4 | 477.88 | 1/4 | 144.83 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,569.51 | 1/2 | 1,202.67 | 1/2 | 836.24 | 1/2 | 470.37 | 1/2 | 138.42 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,561.86 | 3/4 | 1,195.02 | 3/4 | 828.61 | 3/4 | 462.96 | 3/4 | 132.09 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 1,554.22 | 10 | 1,187.38 | 10 | 820.98 | 10 | 455.54 | 10 | 125.77 | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 1,546.58 | 1/4 | 1,179.74 | 1/4 | 813.36 | 1/4 | 448.13 | 1/4 | 119.44 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,538.94 | 1/2 | 1,172.10 | 1/2 | 805.73 | 1/2 | 440.71 | 1/2 | 113.12 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,531.29 | 3/4 | 1,164.45 | 3/4 | 798.09 | 3/4 | 433.39 | 3/4 | 106.89 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 1,523.65 | 11 | 1,156.81 | 11 | 790.46 | 11 | 426.06 | 11 | 100.66 | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 1,516.01 | 1/4 | 1,149.17 | 1/4 | 782.82 | 1/4 | 418.74 | 1/4 | 94.43 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,508.37 | 1/2 | 1,141.53 | 1/2 | 775.19 | 1/2 | 411.41 | 1/2 | 88.20 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,500.72 | 3/4 | 1,133.88 | 3/4 | 767.54 | 3/4 | 404.18 | 3/4 | 82.08 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/12/2013 CL
CALCULATED: 09/12/2013 CL
PRINTED: 09/12/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2013

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



BARGE "CTCo 316"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 3/4"

| 0 FT. | | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | | 7 FT. | | 8 FT. | | 9 FT. | |
|-------|---|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 |
| 1/4 | | 1/4 | 4,834.76 | 1/4 | 4,519.90 | 1/4 | 4,200.17 | 1/4 | 3,861.03 | 1/4 | 3,516.71 | 1/4 | 3,172.39 | 1/4 | 2,828.06 | 1/4 | 2,483.54 | 1/4 | 2,139.02 |
| 1/2 | | 1/2 | 4,829.08 | 1/2 | 4,513.47 | 1/2 | 4,193.29 | 1/2 | 3,853.86 | 1/2 | 3,509.54 | 1/2 | 3,165.21 | 1/2 | 2,820.88 | 1/2 | 2,476.36 | 1/2 | 2,131.84 |
| 3/4 | | 3/4 | 4,823.39 | 3/4 | 4,507.04 | 3/4 | 4,186.42 | 3/4 | 3,846.69 | 3/4 | 3,502.36 | 3/4 | 3,158.04 | 3/4 | 2,813.70 | 3/4 | 2,469.18 | 3/4 | 2,124.66 |
| 1 | | 1 | 4,816.64 | 1 | 4,500.56 | 1 | 4,179.50 | 1 | 3,839.51 | 1 | 3,495.19 | 1 | 3,150.87 | 1 | 2,806.53 | 1 | 2,462.01 | 1 | 2,117.49 |
| 1/4 | | 1/4 | 4,809.88 | 1/4 | 4,494.09 | 1/4 | 4,172.59 | 1/4 | 3,832.34 | 1/4 | 3,488.02 | 1/4 | 3,143.69 | 1/4 | 2,799.35 | 1/4 | 2,454.83 | 1/4 | 2,110.31 |
| 1/2 | | 1/2 | 4,803.12 | 1/2 | 4,487.61 | 1/2 | 4,165.67 | 1/2 | 3,825.17 | 1/2 | 3,480.84 | 1/2 | 3,136.52 | 1/2 | 2,792.17 | 1/2 | 2,447.65 | 1/2 | 2,103.13 |
| 3/4 | | 3/4 | 4,796.36 | 3/4 | 4,481.13 | 3/4 | 4,158.76 | 3/4 | 3,817.99 | 3/4 | 3,473.67 | 3/4 | 3,129.35 | 3/4 | 2,784.99 | 3/4 | 2,440.47 | 3/4 | 2,095.95 |
| 2 | | 2 | 4,789.25 | 2 | 4,474.60 | 2 | 4,151.81 | 2 | 3,810.82 | 2 | 3,466.50 | 2 | 3,122.17 | 2 | 2,777.82 | 2 | 2,433.30 | 2 | 2,088.78 |
| 1/4 | | 1/4 | 4,782.13 | 1/4 | 4,468.07 | 1/4 | 4,144.86 | 1/4 | 3,803.64 | 1/4 | 3,459.32 | 1/4 | 3,115.00 | 1/4 | 2,770.64 | 1/4 | 2,426.12 | 1/4 | 2,081.60 |
| 1/2 | | 1/2 | 4,775.02 | 1/2 | 4,461.54 | 1/2 | 4,137.91 | 1/2 | 3,796.47 | 1/2 | 3,452.15 | 1/2 | 3,107.83 | 1/2 | 2,763.46 | 1/2 | 2,418.94 | 1/2 | 2,074.42 |
| 3/4 | | 3/4 | 4,767.90 | 3/4 | 4,455.00 | 3/4 | 4,130.96 | 3/4 | 3,789.30 | 3/4 | 3,444.97 | 3/4 | 3,100.65 | 3/4 | 2,756.28 | 3/4 | 2,411.76 | 3/4 | 2,067.24 |
| 3 | | 3 | 4,760.78 | 3 | 4,448.44 | 3 | 4,123.98 | 3 | 3,782.12 | 3 | 3,437.80 | 3 | 3,093.48 | 3 | 2,749.11 | 3 | 2,404.59 | 3 | 2,060.07 |
| 1/4 | | 1/4 | 4,753.67 | 1/4 | 4,441.87 | 1/4 | 4,117.00 | 1/4 | 3,774.95 | 1/4 | 3,430.63 | 1/4 | 3,086.30 | 1/4 | 2,741.93 | 1/4 | 2,397.41 | 1/4 | 2,052.89 |
| 1/2 | | 1/2 | 4,746.55 | 1/2 | 4,435.31 | 1/2 | 4,110.02 | 1/2 | 3,767.78 | 1/2 | 3,423.45 | 1/2 | 3,079.13 | 1/2 | 2,734.75 | 1/2 | 2,390.23 | 1/2 | 2,045.71 |
| 3/4 | | 3/4 | 4,739.44 | 3/4 | 4,428.74 | 3/4 | 4,103.04 | 3/4 | 3,760.60 | 3/4 | 3,416.28 | 3/4 | 3,071.96 | 3/4 | 2,727.57 | 3/4 | 2,383.05 | 3/4 | 2,038.53 |
| 4 | | 4 | 4,732.32 | 4 | 4,422.14 | 4 | 4,096.03 | 4 | 3,753.43 | 4 | 3,409.11 | 4 | 3,064.78 | 4 | 2,720.40 | 4 | 2,375.88 | 4 | 2,031.36 |
| 1/4 | | 1/4 | 4,725.20 | 1/4 | 4,415.54 | 1/4 | 4,089.02 | 1/4 | 3,746.26 | 1/4 | 3,401.93 | 1/4 | 3,057.61 | 1/4 | 2,713.22 | 1/4 | 2,368.70 | 1/4 | 2,024.18 |
| 1/2 | | 1/2 | 4,718.09 | 1/2 | 4,408.93 | 1/2 | 4,082.01 | 1/2 | 3,739.08 | 1/2 | 3,394.76 | 1/2 | 3,050.44 | 1/2 | 2,706.04 | 1/2 | 2,361.52 | 1/2 | 2,017.00 |
| 3/4 | | 3/4 | 4,710.97 | 3/4 | 4,402.33 | 3/4 | 4,075.00 | 3/4 | 3,731.91 | 3/4 | 3,387.59 | 3/4 | 3,043.26 | 3/4 | 2,698.86 | 3/4 | 2,354.34 | 3/4 | 2,009.82 |
| 5 | | 5 | 4,704.30 | 5 | 4,395.70 | 5 | 4,067.95 | 5 | 3,724.74 | 5 | 3,380.41 | 5 | 3,036.09 | 5 | 2,691.69 | 5 | 2,347.17 | 5 | 2,002.65 |
| 1/4 | | 1/4 | 4,697.64 | 1/4 | 4,389.06 | 1/4 | 4,060.91 | 1/4 | 3,717.56 | 1/4 | 3,373.24 | 1/4 | 3,028.92 | 1/4 | 2,684.51 | 1/4 | 2,339.99 | 1/4 | 1,995.47 |
| 1/2 | | 1/2 | 4,690.97 | 1/2 | 4,382.43 | 1/2 | 4,053.86 | 1/2 | 3,710.39 | 1/2 | 3,366.07 | 1/2 | 3,021.74 | 1/2 | 2,677.33 | 1/2 | 2,332.81 | 1/2 | 1,988.29 |
| 3/4 | | 3/4 | 4,684.30 | 3/4 | 4,375.80 | 3/4 | 4,046.81 | 3/4 | 3,703.22 | 3/4 | 3,358.89 | 3/4 | 3,014.57 | 3/4 | 2,670.15 | 3/4 | 2,325.63 | 3/4 | 1,981.11 |
| 6 | | 6 | 4,678.07 | 6 | 4,369.13 | 6 | 4,039.73 | 6 | 3,696.04 | 6 | 3,351.72 | 6 | 3,007.40 | 6 | 2,662.98 | 6 | 2,318.46 | 6 | 1,973.94 |
| 1/4 | | 1/4 | 4,671.84 | 1/4 | 4,362.47 | 1/4 | 4,032.65 | 1/4 | 3,688.87 | 1/4 | 3,344.55 | 1/4 | 3,000.22 | 1/4 | 2,655.80 | 1/4 | 2,311.28 | 1/4 | 1,966.76 |
| 1/2 | | 1/2 | 4,665.60 | 1/2 | 4,355.80 | 1/2 | 4,025.56 | 1/2 | 3,681.70 | 1/2 | 3,337.37 | 1/2 | 2,993.05 | 1/2 | 2,648.62 | 1/2 | 2,304.10 | 1/2 | 1,959.58 |
| 3/4 | | 3/4 | 4,659.37 | 3/4 | 4,349.14 | 3/4 | 4,018.48 | 3/4 | 3,674.52 | 3/4 | 3,330.20 | 3/4 | 2,985.88 | 3/4 | 2,641.44 | 3/4 | 2,296.92 | 3/4 | 1,952.40 |
| 7 | | 7 | 4,653.11 | 7 | 4,342.44 | 7 | 4,011.37 | 7 | 3,667.35 | 7 | 3,323.03 | 7 | 2,978.70 | 7 | 2,634.27 | 7 | 2,289.75 | 7 | 1,945.23 |
| 1/4 | | 1/4 | 4,646.84 | 1/4 | 4,335.74 | 1/4 | 4,004.25 | 1/4 | 3,660.18 | 1/4 | 3,315.85 | 1/4 | 2,971.53 | 1/4 | 2,627.09 | 1/4 | 2,282.57 | 1/4 | 1,938.05 |
| 1/2 | | 1/2 | 4,640.58 | 1/2 | 4,329.05 | 1/2 | 3,997.14 | 1/2 | 3,653.00 | 1/2 | 3,308.68 | 1/2 | 2,964.36 | 1/2 | 2,619.91 | 1/2 | 2,275.39 | 1/2 | 1,930.87 |
| 3/4 | | 3/4 | 4,634.31 | 3/4 | 4,322.35 | 3/4 | 3,990.02 | 3/4 | 3,645.83 | 3/4 | 3,301.51 | 3/4 | 2,957.18 | 3/4 | 2,612.73 | 3/4 | 2,268.21 | 3/4 | 1,923.69 |
| 8 | | 8 | 4,628.02 | 8 | 4,315.62 | 8 | 3,982.88 | 8 | 3,638.66 | 8 | 3,294.33 | 8 | 2,950.01 | 8 | 2,605.56 | 8 | 2,261.04 | 8 | 1,916.52 |
| 1/4 | | 1/4 | 4,621.72 | 1/4 | 4,308.89 | 1/4 | 3,975.73 | 1/4 | 3,631.48 | 1/4 | 3,287.16 | 1/4 | 2,942.84 | 1/4 | 2,598.38 | 1/4 | 2,253.86 | 1/4 | 1,909.34 |
| 1/2 | | 1/2 | 4,615.42 | 1/2 | 4,302.16 | 1/2 | 3,968.59 | 1/2 | 3,624.31 | 1/2 | 3,279.99 | 1/2 | 2,935.66 | 1/2 | 2,591.20 | 1/2 | 2,246.68 | 1/2 | 1,902.16 |
| 3/4 | | 3/4 | 4,609.13 | 3/4 | 4,295.44 | 3/4 | 3,961.44 | 3/4 | 3,617.14 | 3/4 | 3,272.81 | 3/4 | 2,928.49 | 3/4 | 2,584.02 | 3/4 | 2,239.50 | 3/4 | 1,894.98 |
| 9 | | 9 | 4,602.79 | 9 | 4,288.68 | 9 | 3,954.27 | 9 | 3,609.96 | 9 | 3,265.64 | 9 | 2,921.32 | 9 | 2,576.85 | 9 | 2,232.33 | 9 | 1,887.81 |
| 1/4 | | 1/4 | 4,596.46 | 1/4 | 4,281.92 | 1/4 | 3,947.10 | 1/4 | 3,602.79 | 1/4 | 3,258.47 | 1/4 | 2,914.14 | 1/4 | 2,569.67 | 1/4 | 2,225.15 | 1/4 | 1,880.63 |
| 1/2 | | 1/2 | 4,590.13 | 1/2 | 4,275.16 | 1/2 | 3,939.93 | 1/2 | 3,595.62 | 1/2 | 3,251.29 | 1/2 | 2,906.97 | 1/2 | 2,562.49 | 1/2 | 2,217.97 | 1/2 | 1,873.45 |
| 3/4 | | 3/4 | 4,583.80 | 3/4 | 4,268.39 | 3/4 | 3,932.77 | 3/4 | 3,588.44 | 3/4 | 3,244.12 | 3/4 | 2,899.80 | 3/4 | 2,555.31 | 3/4 | 2,210.79 | 3/4 | 1,866.27 |
| 10 | | 10 | 4,577.43 | 10 | 4,261.60 | 10 | 3,925.59 | 10 | 3,581.27 | 10 | 3,236.95 | 10 | 2,892.62 | 10 | 2,548.14 | 10 | 2,203.62 | 10 | 1,859.10 |
| 1/4 | | 1/4 | 4,571.07 | 1/4 | 4,254.81 | 1/4 | 3,918.42 | 1/4 | 3,574.10 | 1/4 | 3,229.77 | 1/4 | 2,885.45 | 1/4 | 2,540.96 | 1/4 | 2,196.44 | 1/4 | 1,851.92 |
| 1/2 | | 1/2 | 4,564.70 | 1/2 | 4,248.02 | 1/2 | 3,911.25 | 1/2 | 3,566.92 | 1/2 | 3,222.60 | 1/2 | 2,878.28 | 1/2 | 2,533.78 | 1/2 | 2,189.26 | 1/2 | 1,844.74 |
| 3/4 | | 3/4 | 4,558.34 | 3/4 | 4,241.23 | 3/4 | 3,904.07 | 3/4 | 3,559.75 | 3/4 | 3,215.43 | 3/4 | 2,871.10 | 3/4 | 2,526.60 | 3/4 | 2,182.08 | 3/4 | 1,837.56 |
| 11 | | 11 | 4,551.94 | 11 | 4,234.40 | 11 | 3,896.90 | 11 | 3,552.58 | 11 | 3,208.25 | 11 | 2,863.93 | 11 | 2,519.43 | 11 | 2,174.91 | 11 | 1,830.39 |
| 1/4 | | 1/4 | 4,545.55 | 1/4 | 4,227.57 | 1/4 | 3,889.73 | 1/4 | 3,545.40 | 1/4 | 3,201.08 | 1/4 | 2,856.76 | 1/4 | 2,512.25 | 1/4 | 2,167.73 | 1/4 | 1,823.21 |
| 1/2 | | 1/2 | 4,539.15 | 1/2 | 4,220.74 | 1/2 | 3,882.55 | 1/2 | 3,538.23 | 1/2 | 3,193.91 | 1/2 | 2,849.59 | 1/2 | 2,505.07 | 1/2 | 2,160.55 | 1/2 | 1,816.03 |
| 3/4 | | 3/4 | 4,532.75 | 3/4 | 4,213.92 | 3/4 | 3,875.38 | 3/4 | 3,531.06 | 3/4 | 3,186.73 | 3/4 | 2,842.41 | 3/4 | 2,497.89 | 3/4 | 2,153.37 | 3/4 | 1,808.85 |

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 AT 2" DIAMETER OPENING ON "HERMETIC" CLOSED GAUGING VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTCo 316"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 3/4"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 1,801.68 | 0 | 1,457.16 | 0 | 1,113.48 | 0 | 782.49 | 0 | 437.98 | 0 | 93.53 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 1,794.50 | 1/4 | 1,449.98 | 1/4 | 1,106.59 | 1/4 | 775.31 | 1/4 | 430.81 | 1/4 | 86.37 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,787.32 | 1/2 | 1,442.80 | 1/2 | 1,099.70 | 1/2 | 768.14 | 1/2 | 423.63 | 1/2 | 79.22 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,780.14 | 3/4 | 1,435.62 | 3/4 | 1,092.80 | 3/4 | 760.96 | 3/4 | 416.45 | 3/4 | 72.06 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 1,772.97 | 1 | 1,428.45 | 1 | 1,085.91 | 1 | 753.78 | 1 | 409.28 | 1 | 65.35 | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 1,765.79 | 1/4 | 1,421.27 | 1/4 | 1,079.03 | 1/4 | 746.60 | 1/4 | 402.10 | 1/4 | 58.64 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,758.61 | 1/2 | 1,414.09 | 1/2 | 1,072.14 | 1/2 | 739.43 | 1/2 | 394.92 | 1/2 | 51.93 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,751.43 | 3/4 | 1,406.91 | 3/4 | 1,065.25 | 3/4 | 732.25 | 3/4 | 387.74 | 3/4 | 45.22 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 1,744.26 | 2 | 1,399.74 | 2 | 1,058.37 | 2 | 725.07 | 2 | 380.57 | 2 | 39.84 | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 1,737.08 | 1/4 | 1,392.56 | 1/4 | 1,051.49 | 1/4 | 717.90 | 1/4 | 373.39 | 1/4 | 34.46 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,729.90 | 1/2 | 1,385.38 | 1/2 | 1,044.61 | 1/2 | 710.72 | 1/2 | 366.21 | 1/2 | 29.07 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,722.72 | 3/4 | 1,378.20 | 3/4 | 1,037.73 | 3/4 | 703.54 | 3/4 | 359.04 | 3/4 | 23.69 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 1,715.55 | 3 | 1,371.03 | 3 | 1,030.85 | 3 | 696.36 | 3 | 351.86 | 3 | | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 1,708.37 | 1/4 | 1,363.85 | 1/4 | 1,023.98 | 1/4 | 689.19 | 1/4 | 344.68 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,701.19 | 1/2 | 1,356.67 | 1/2 | 1,017.10 | 1/2 | 682.01 | 1/2 | 337.50 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,694.01 | 3/4 | 1,349.49 | 3/4 | 1,010.22 | 3/4 | 674.83 | 3/4 | 330.33 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 1,686.84 | 4 | 1,342.32 | 4 | 1,003.35 | 4 | 667.66 | 4 | 323.15 | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 1,679.66 | 1/4 | 1,335.14 | 1/4 | 996.48 | 1/4 | 660.48 | 1/4 | 315.97 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,672.48 | 1/2 | 1,327.96 | 1/2 | 989.60 | 1/2 | 653.30 | 1/2 | 308.80 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,665.30 | 3/4 | 1,320.78 | 3/4 | 982.73 | 3/4 | 646.12 | 3/4 | 301.62 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 1,658.13 | 5 | 1,313.61 | 5 | 975.86 | 5 | 638.95 | 5 | 294.44 | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 1,650.95 | 1/4 | 1,306.43 | 1/4 | 968.98 | 1/4 | 631.77 | 1/4 | 287.26 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,643.77 | 1/2 | 1,299.25 | 1/2 | 962.11 | 1/2 | 624.59 | 1/2 | 280.09 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,636.59 | 3/4 | 1,292.07 | 3/4 | 955.24 | 3/4 | 617.41 | 3/4 | 272.91 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 1,629.42 | 6 | 1,284.90 | 6 | 948.36 | 6 | 610.24 | 6 | 265.73 | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 1,622.24 | 1/4 | 1,277.72 | 1/4 | 941.49 | 1/4 | 603.06 | 1/4 | 258.55 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,615.06 | 1/2 | 1,270.54 | 1/2 | 934.62 | 1/2 | 595.88 | 1/2 | 251.38 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,607.88 | 3/4 | 1,263.36 | 3/4 | 927.74 | 3/4 | 588.71 | 3/4 | 244.20 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 1,600.71 | 7 | 1,256.19 | 7 | 920.87 | 7 | 581.53 | 7 | 237.02 | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 1,593.53 | 1/4 | 1,249.01 | 1/4 | 914.00 | 1/4 | 574.35 | 1/4 | 229.85 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,586.35 | 1/2 | 1,241.83 | 1/2 | 907.12 | 1/2 | 567.17 | 1/2 | 222.67 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,579.17 | 3/4 | 1,234.65 | 3/4 | 900.25 | 3/4 | 560.00 | 3/4 | 215.49 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 1,572.00 | 8 | 1,227.48 | 8 | 893.38 | 8 | 552.82 | 8 | 208.31 | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 1,564.82 | 1/4 | 1,220.30 | 1/4 | 886.50 | 1/4 | 545.64 | 1/4 | 201.14 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,557.64 | 1/2 | 1,213.12 | 1/2 | 879.63 | 1/2 | 538.47 | 1/2 | 193.96 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,550.46 | 3/4 | 1,205.94 | 3/4 | 872.76 | 3/4 | 531.29 | 3/4 | 186.78 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 1,543.29 | 9 | 1,198.77 | 9 | 865.88 | 9 | 524.11 | 9 | 179.61 | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 1,536.11 | 1/4 | 1,191.59 | 1/4 | 859.01 | 1/4 | 516.93 | 1/4 | 172.43 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,528.93 | 1/2 | 1,184.41 | 1/2 | 852.14 | 1/2 | 509.76 | 1/2 | 165.25 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,521.75 | 3/4 | 1,177.23 | 3/4 | 845.26 | 3/4 | 502.58 | 3/4 | 158.07 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 1,514.58 | 10 | 1,170.06 | 10 | 838.39 | 10 | 495.40 | 10 | 150.90 | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 1,507.40 | 1/4 | 1,162.88 | 1/4 | 831.52 | 1/4 | 488.23 | 1/4 | 143.72 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,500.22 | 1/2 | 1,155.70 | 1/2 | 824.64 | 1/2 | 481.05 | 1/2 | 136.54 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,493.04 | 3/4 | 1,148.52 | 3/4 | 817.77 | 3/4 | 473.87 | 3/4 | 129.37 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 1,485.87 | 11 | 1,141.49 | 11 | 810.74 | 11 | 466.69 | 11 | 122.20 | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 1,478.69 | 1/4 | 1,134.45 | 1/4 | 803.72 | 1/4 | 459.52 | 1/4 | 115.02 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,471.51 | 1/2 | 1,127.42 | 1/2 | 796.69 | 1/2 | 452.34 | 1/2 | 107.85 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,464.33 | 3/4 | 1,120.38 | 3/4 | 789.67 | 3/4 | 445.16 | 3/4 | 100.68 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/12/2013 CL
CALCULATED: 09/12/2013 CL
PRINTED: 09/12/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2013

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



BARGE "CTCo 316"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 1/4"

| 0 FT. | | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | | 7 FT. | | 8 FT. | | 9 FT. | | | | | | | | | | | | | | | | | | | |
|-------|---|-------|---|-------|----------|-------|---|-------|----------|-------|---|-------|----------|-------|---|-------|----------|-------|---|-----|----------|-----|--|-----|----------|-----|--|-----|----------|-----|--|-----|----------|-----|--|-----|----------|
| IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | | | | | | | | | | | | | | | | |
| | | | | | 4,553.06 | | | | 4,234.66 | | | | 3,896.47 | | | | 3,552.14 | | | | 3,207.82 | | | | 2,863.50 | | | | 2,518.99 | | | | 2,174.47 | | | | |
| 1/4 | | 1/4 | | 1/4 | 4,546.67 | 1/4 | | 1/4 | 4,227.83 | 1/4 | | 1/4 | 3,889.29 | 1/4 | | 1/4 | 3,544.97 | 1/4 | | 1/4 | 3,200.65 | 1/4 | | 1/4 | 2,856.33 | 1/4 | | 1/4 | 2,511.81 | 1/4 | | 1/4 | 2,167.29 | | | | |
| 1/2 | | 1/2 | | 1/2 | 4,540.24 | 1/2 | | 1/2 | 4,220.96 | 1/2 | | 1/2 | 3,882.12 | 1/2 | | 1/2 | 3,537.80 | 1/2 | | 1/2 | 3,193.47 | 1/2 | | 1/2 | 2,849.15 | 1/2 | | 1/2 | 2,504.63 | 1/2 | | 1/2 | 2,160.11 | | | | |
| 3/4 | | 3/4 | | 3/4 | 4,848.67 | 3/4 | | 3/4 | 4,533.81 | 3/4 | | 3/4 | 4,214.08 | 3/4 | | 3/4 | 3,530.62 | 3/4 | | 3/4 | 3,186.30 | 3/4 | | 3/4 | 2,841.97 | 3/4 | | 3/4 | 2,497.45 | 3/4 | | 3/4 | 2,152.93 | | | | |
| 1 | | 1 | | 1 | 4,842.99 | 1 | | 1 | 4,527.39 | 1 | | 1 | 4,207.21 | 1 | | 1 | 3,877.77 | 1 | | 1 | 3,523.45 | 1 | | 1 | 3,179.13 | 1 | | 1 | 2,834.80 | 1 | | 1 | 2,490.28 | 1 | | 1 | 2,145.76 |
| 1/4 | | 1/4 | | 1/4 | 4,837.31 | 1/4 | | 1/4 | 4,520.96 | 1/4 | | 1/4 | 4,200.33 | 1/4 | | 1/4 | 3,860.60 | 1/4 | | 1/4 | 3,516.28 | 1/4 | | 1/4 | 3,171.95 | 1/4 | | 1/4 | 2,827.62 | 1/4 | | 1/4 | 2,483.10 | 1/4 | | 1/4 | 2,138.58 |
| 1/2 | | 1/2 | | 1/2 | 4,830.55 | 1/2 | | 1/2 | 4,514.48 | 1/2 | | 1/2 | 4,193.42 | 1/2 | | 1/2 | 3,853.43 | 1/2 | | 1/2 | 3,509.10 | 1/2 | | 1/2 | 3,164.78 | 1/2 | | 1/2 | 2,820.44 | 1/2 | | 1/2 | 2,475.92 | 1/2 | | 1/2 | 2,131.40 |
| 3/4 | | 3/4 | | 3/4 | 4,823.79 | 3/4 | | 3/4 | 4,508.00 | 3/4 | | 3/4 | 4,186.50 | 3/4 | | 3/4 | 3,846.25 | 3/4 | | 3/4 | 3,501.93 | 3/4 | | 3/4 | 3,157.61 | 3/4 | | 3/4 | 2,813.26 | 3/4 | | 3/4 | 2,468.74 | 3/4 | | 3/4 | 2,124.22 |
| 2 | | 2 | | 2 | 4,817.04 | 2 | | 2 | 4,501.52 | 2 | | 2 | 4,179.59 | 2 | | 2 | 3,839.08 | 2 | | 2 | 3,494.76 | 2 | | 2 | 3,150.43 | 2 | | 2 | 2,806.09 | 2 | | 2 | 2,461.57 | 2 | | 2 | 2,117.05 |
| 1/4 | | 1/4 | | 1/4 | 4,810.28 | 1/4 | | 1/4 | 4,495.04 | 1/4 | | 1/4 | 4,172.67 | 1/4 | | 1/4 | 3,831.91 | 1/4 | | 1/4 | 3,487.58 | 1/4 | | 1/4 | 3,143.26 | 1/4 | | 1/4 | 2,798.91 | 1/4 | | 1/4 | 2,454.39 | 1/4 | | 1/4 | 2,109.87 |
| 1/2 | | 1/2 | | 1/2 | 4,803.16 | 1/2 | | 1/2 | 4,488.51 | 1/2 | | 1/2 | 4,165.72 | 1/2 | | 1/2 | 3,824.73 | 1/2 | | 1/2 | 3,480.41 | 1/2 | | 1/2 | 3,136.09 | 1/2 | | 1/2 | 2,791.73 | 1/2 | | 1/2 | 2,447.21 | 1/2 | | 1/2 | 2,102.69 |
| 3/4 | | 3/4 | | 3/4 | 4,796.05 | 3/4 | | 3/4 | 4,481.98 | 3/4 | | 3/4 | 4,158.77 | 3/4 | | 3/4 | 3,817.56 | 3/4 | | 3/4 | 3,473.24 | 3/4 | | 3/4 | 3,128.91 | 3/4 | | 3/4 | 2,784.55 | 3/4 | | 3/4 | 2,440.03 | 3/4 | | 3/4 | 2,095.51 |
| 3 | | 3 | | 3 | 4,788.93 | 3 | | 3 | 4,475.45 | 3 | | 3 | 4,151.83 | 3 | | 3 | 3,810.39 | 3 | | 3 | 3,466.06 | 3 | | 3 | 3,121.74 | 3 | | 3 | 2,777.38 | 3 | | 3 | 2,432.86 | 3 | | 3 | 2,088.34 |
| 1/4 | | 1/4 | | 1/4 | 4,781.81 | 1/4 | | 1/4 | 4,468.92 | 1/4 | | 1/4 | 4,144.88 | 1/4 | | 1/4 | 3,803.21 | 1/4 | | 1/4 | 3,458.89 | 1/4 | | 1/4 | 3,114.57 | 1/4 | | 1/4 | 2,770.20 | 1/4 | | 1/4 | 2,425.68 | 1/4 | | 1/4 | 2,081.16 |
| 1/2 | | 1/2 | | 1/2 | 4,774.70 | 1/2 | | 1/2 | 4,462.35 | 1/2 | | 1/2 | 4,137.90 | 1/2 | | 1/2 | 3,796.04 | 1/2 | | 1/2 | 3,451.72 | 1/2 | | 1/2 | 3,107.39 | 1/2 | | 1/2 | 2,763.02 | 1/2 | | 1/2 | 2,418.50 | 1/2 | | 1/2 | 2,073.98 |
| 3/4 | | 3/4 | | 3/4 | 4,767.58 | 3/4 | | 3/4 | 4,455.79 | 3/4 | | 3/4 | 4,130.92 | 3/4 | | 3/4 | 3,788.87 | 3/4 | | 3/4 | 3,444.54 | 3/4 | | 3/4 | 3,100.22 | 3/4 | | 3/4 | 2,755.84 | 3/4 | | 3/4 | 2,411.32 | 3/4 | | 3/4 | 2,066.80 |
| 4 | | 4 | | 4 | 4,760.47 | 4 | | 4 | 4,449.22 | 4 | | 4 | 4,123.94 | 4 | | 4 | 3,781.69 | 4 | | 4 | 3,437.37 | 4 | | 4 | 3,093.05 | 4 | | 4 | 2,748.67 | 4 | | 4 | 2,404.15 | 4 | | 4 | 2,059.63 |
| 1/4 | | 1/4 | | 1/4 | 4,753.35 | 1/4 | | 1/4 | 4,442.65 | 1/4 | | 1/4 | 4,116.96 | 1/4 | | 1/4 | 3,774.52 | 1/4 | | 1/4 | 3,430.20 | 1/4 | | 1/4 | 3,085.87 | 1/4 | | 1/4 | 2,741.49 | 1/4 | | 1/4 | 2,396.97 | 1/4 | | 1/4 | 2,052.45 |
| 1/2 | | 1/2 | | 1/2 | 4,746.23 | 1/2 | | 1/2 | 4,436.05 | 1/2 | | 1/2 | 4,109.95 | 1/2 | | 1/2 | 3,767.35 | 1/2 | | 1/2 | 3,423.02 | 1/2 | | 1/2 | 3,078.70 | 1/2 | | 1/2 | 2,734.31 | 1/2 | | 1/2 | 2,389.79 | 1/2 | | 1/2 | 2,045.27 |
| 3/4 | | 3/4 | | 3/4 | 4,739.12 | 3/4 | | 3/4 | 4,429.45 | 3/4 | | 3/4 | 4,102.94 | 3/4 | | 3/4 | 3,760.17 | 3/4 | | 3/4 | 3,415.85 | 3/4 | | 3/4 | 3,071.53 | 3/4 | | 3/4 | 2,727.13 | 3/4 | | 3/4 | 2,382.61 | 3/4 | | 3/4 | 2,038.09 |
| 5 | | 5 | | 5 | 4,732.00 | 5 | | 5 | 4,422.85 | 5 | | 5 | 4,095.92 | 5 | | 5 | 3,753.00 | 5 | | 5 | 3,408.68 | 5 | | 5 | 3,064.35 | 5 | | 5 | 2,719.96 | 5 | | 5 | 2,375.44 | 5 | | 5 | 2,030.92 |
| 1/4 | | 1/4 | | 1/4 | 4,724.89 | 1/4 | | 1/4 | 4,416.25 | 1/4 | | 1/4 | 4,088.91 | 1/4 | | 1/4 | 3,745.83 | 1/4 | | 1/4 | 3,401.50 | 1/4 | | 1/4 | 3,057.18 | 1/4 | | 1/4 | 2,712.78 | 1/4 | | 1/4 | 2,368.26 | 1/4 | | 1/4 | 2,023.74 |
| 1/2 | | 1/2 | | 1/2 | 4,718.22 | 1/2 | | 1/2 | 4,409.61 | 1/2 | | 1/2 | 4,081.87 | 1/2 | | 1/2 | 3,738.65 | 1/2 | | 1/2 | 3,394.33 | 1/2 | | 1/2 | 3,050.01 | 1/2 | | 1/2 | 2,705.60 | 1/2 | | 1/2 | 2,361.08 | 1/2 | | 1/2 | 2,016.56 |
| 3/4 | | 3/4 | | 3/4 | 4,711.55 | 3/4 | | 3/4 | 4,402.98 | 3/4 | | 3/4 | 4,074.82 | 3/4 | | 3/4 | 3,731.48 | 3/4 | | 3/4 | 3,387.16 | 3/4 | | 3/4 | 3,042.83 | 3/4 | | 3/4 | 2,698.42 | 3/4 | | 3/4 | 2,353.90 | 3/4 | | 3/4 | 2,009.38 |
| 6 | | 6 | | 6 | 4,704.88 | 6 | | 6 | 4,396.34 | 6 | | 6 | 4,067.77 | 6 | | 6 | 3,724.31 | 6 | | 6 | 3,379.98 | 6 | | 6 | 3,035.66 | 6 | | 6 | 2,691.25 | 6 | | 6 | 2,346.73 | 6 | | 6 | 2,002.21 |
| 1/4 | | 1/4 | | 1/4 | 4,698.22 | 1/4 | | 1/4 | 4,389.71 | 1/4 | | 1/4 | 4,060.73 | 1/4 | | 1/4 | 3,717.13 | 1/4 | | 1/4 | 3,372.81 | 1/4 | | 1/4 | 3,028.49 | 1/4 | | 1/4 | 2,684.07 | 1/4 | | 1/4 | 2,339.55 | 1/4 | | 1/4 | 1,995.03 |
| 1/2 | | 1/2 | | 1/2 | 4,691.98 | 1/2 | | 1/2 | 4,383.05 | 1/2 | | 1/2 | 4,053.64 | 1/2 | | 1/2 | 3,709.96 | 1/2 | | 1/2 | 3,365.64 | 1/2 | | 1/2 | 3,021.31 | 1/2 | | 1/2 | 2,676.89 | 1/2 | | 1/2 | 2,332.37 | 1/2 | | 1/2 | 1,987.85 |
| 3/4 | | 3/4 | | 3/4 | 4,685.75 | 3/4 | | 3/4 | 4,376.38 | 3/4 | | 3/4 | 4,046.56 | 3/4 | | 3/4 | 3,702.78 | 3/4 | | 3/4 | 3,358.46 | 3/4 | | 3/4 | 3,014.14 | 3/4 | | 3/4 | 2,669.71 | 3/4 | | 3/4 | 2,325.19 | 3/4 | | 3/4 | 1,980.67 |
| 7 | | 7 | | 7 | 4,679.52 | 7 | | 7 | 4,369.72 | 7 | | 7 | 4,039.48 | 7 | | 7 | 3,695.61 | 7 | | 7 | 3,351.29 | 7 | | 7 | 3,006.97 | 7 | | 7 | 2,662.54 | 7 | | 7 | 2,318.02 | 7 | | 7 | 1,973.50 |
| 1/4 | | 1/4 | | 1/4 | 4,673.28 | 1/4 | | 1/4 | 4,363.05 | 1/4 | | 1/4 | 4,032.39 | 1/4 | | 1/4 | 3,688.44 | 1/4 | | 1/4 | 3,344.11 | 1/4 | | 1/4 | 2,999.79 | 1/4 | | 1/4 | 2,655.36 | 1/4 | | 1/4 | 2,310.84 | 1/4 | | 1/4 | 1,966.32 |
| 1/2 | | 1/2 | | 1/2 | 4,667.02 | 1/2 | | 1/2 | 4,356.35 | 1/2 | | 1/2 | 4,025.28 | 1/2 | | 1/2 | 3,681.26 | 1/2 | | 1/2 | 3,336.94 | 1/2 | | 1/2 | 2,992.62 | 1/2 | | 1/2 | 2,648.18 | 1/2 | | 1/2 | 2,303.66 | 1/2 | | 1/2 | 1,959.14 |
| 3/4 | | 3/4 | | 3/4 | 4,660.76 | 3/4 | | 3/4 | 4,349.66 | 3/4 | | 3/4 | 4,018.17 | 3/4 | | 3/4 | 3,674.09 | 3/4 | | 3/4 | 3,329.77 | 3/4 | | 3/4 | 2,985.44 | 3/4 | | 3/4 | 2,641.00 | 3/4 | | 3/4 | 2,296.48 | 3/4 | | 3/4 | 1,951.96 |
| 8 | | 8 | | 8 | 4,654.49 | 8 | | 8 | 4,342.96 | 8 | | 8 | 4,011.05 | 8 | | 8 | 3,666.92 | 8 | | 8 | 3,322.59 | 8 | | 8 | 2,978.27 | 8 | | 8 | 2,633.83 | 8 | | 8 | 2,289.31 | 8 | | 8 | 1,944.79 |
| 1/4 | | 1/4 | | 1/4 | 4,648.23 | 1/4 | | 1/4 | 4,336.26 | 1/4 | | 1/4 | 4,003.94 | 1/4 | | 1/4 | 3,659.74 | 1/4 | | 1/4 | 3,315.42 | 1/4 | | 1/4 | 2,971.10 | 1/4 | | 1/4 | 2,626.65 | 1/4 | | 1/4 | 2,282.13 | 1/4 | | 1/4 | 1,937.61 |
| 1/2 | | 1/2 | | 1/2 | 4,641.93 | 1/2 | | 1/2 | 4,329.53 | 1/2 | | 1/2 | 3,996.79 | 1/2 | | 1/2 | 3,652.57 | 1/2 | | 1/2 | 3,308.25 | 1/2 | | 1/2 | 2,963.92 | 1/2 | | 1/2 | 2,619.47 | 1/2 | | 1/2 | 2,274.95 | 1/2 | | 1/2 | 1,930.43 |
| 3/4 | | 3/4 | | 3/4 | 4,635.63 | 3/4 | | 3/4 | 4,322.81 | 3/4 | | 3/4 | 3,989.65 | 3/4 | | 3/4 | 3,645.40 | 3/4 | | 3/4 | 3,301.07 | 3/4 | | 3/4 | 2,956.75 | 3/4 | | 3/4 | 2,612.29 | 3/4 | | 3/4 | 2,267.77 | 3/4 | | 3/4 | 1,923.25 |
| 9 | | 9 | | 9 | 4,629.34 | 9 | | 9 | 4,316.08 | 9 | | 9 | 3,982.50 | 9 | | 9 | 3,638.22 | 9 | | 9 | 3,293.90 | 9 | | 9 | 2,949.58 | 9 | | 9 | 2,605.12 | 9 | | 9 | 2,260.60 | 9 | | 9 | 1,916.08 |
| 1/4 | | 1/4 | | 1/4 | 4,623.04 | 1/4 | | 1/4 | 4,309.35 | 1/4 | | 1/4 | 3,975.35 | 1/4 | | 1/4 | 3,631.05 | 1/4 | | 1/4 | 3,286.73 | 1/4 | | 1/4 | 2,942.40 | 1/4 | | 1/4 | 2,597.94 | 1/4 | | 1/4 | 2,253.42 | 1/4 | | 1/4 | 1,908.90 |
| 1/2 | | 1/2 | | 1/2 | 4,616.71 | 1/2 | | 1/2 | 4,302.59 | 1/2 | | 1/2 | 3,968.19 | 1/2 | | 1/2 | 3,623.88 | 1/2 | | 1/2 | 3,279.55 | 1/2 | | 1/2 | 2,935.23 | 1/2 | | 1/2 | 2,590.76 | 1/2 | | 1/2 | 2,246.24 | 1/2 | | 1/2 | 1,901.72 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



BARGE "CTCo 316"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 1/4"

| 10 FT. | | 11 FT. | | 12 FT. | | 13 FT. | | 14 FT. | | 15 FT. | | 16 FT. | | 17 FT. | | 18 FT. | | 19 FT. | |
|--------|----------|--------|----------|--------|----------|--------|--------|--------|--------|--------|--------|--------|--|--------|--|--------|--|--------|--|
| IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | |
| 0 | 1,829.95 | 0 | 1,485.43 | 0 | 1,140.91 | 0 | 796.84 | 0 | 452.34 | 0 | 107.85 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 1,822.77 | 1/4 | 1,478.25 | 1/4 | 1,133.73 | 1/4 | 789.67 | 1/4 | 445.16 | 1/4 | 100.68 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,815.59 | 1/2 | 1,471.07 | 1/2 | 1,126.55 | 1/2 | 782.49 | 1/2 | 437.98 | 1/2 | 93.53 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,808.41 | 3/4 | 1,463.89 | 3/4 | 1,119.37 | 3/4 | 775.31 | 3/4 | 430.81 | 3/4 | 86.37 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 1,801.24 | 1 | 1,456.72 | 1 | 1,112.20 | 1 | 768.14 | 1 | 423.63 | 1 | 79.22 | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 1,794.06 | 1/4 | 1,449.54 | 1/4 | 1,105.02 | 1/4 | 760.96 | 1/4 | 416.45 | 1/4 | 72.06 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,786.88 | 1/2 | 1,442.36 | 1/2 | 1,097.84 | 1/2 | 753.78 | 1/2 | 409.28 | 1/2 | 65.35 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,779.70 | 3/4 | 1,435.18 | 3/4 | 1,090.67 | 3/4 | 746.60 | 3/4 | 402.10 | 3/4 | 58.64 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 1,772.53 | 2 | 1,428.01 | 2 | 1,083.49 | 2 | 739.43 | 2 | 394.92 | 2 | 51.93 | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 1,765.35 | 1/4 | 1,420.83 | 1/4 | 1,076.32 | 1/4 | 732.25 | 1/4 | 387.74 | 1/4 | 45.22 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,758.17 | 1/2 | 1,413.65 | 1/2 | 1,069.15 | 1/2 | 725.07 | 1/2 | 380.57 | 1/2 | 39.84 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,750.99 | 3/4 | 1,406.47 | 3/4 | 1,061.98 | 3/4 | 717.90 | 3/4 | 373.39 | 3/4 | 34.46 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 1,743.82 | 3 | 1,399.30 | 3 | 1,054.80 | 3 | 710.72 | 3 | 366.21 | 3 | 29.07 | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 1,736.64 | 1/4 | 1,392.12 | 1/4 | 1,047.63 | 1/4 | 703.54 | 1/4 | 359.04 | 1/4 | 23.69 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,729.46 | 1/2 | 1,384.94 | 1/2 | 1,040.46 | 1/2 | 696.36 | 1/2 | 351.86 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,722.28 | 3/4 | 1,377.76 | 3/4 | 1,033.30 | 3/4 | 689.19 | 3/4 | 344.68 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 1,715.11 | 4 | 1,370.59 | 4 | 1,026.13 | 4 | 682.01 | 4 | 337.50 | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 1,707.93 | 1/4 | 1,363.41 | 1/4 | 1,018.96 | 1/4 | 674.83 | 1/4 | 330.33 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,700.75 | 1/2 | 1,356.23 | 1/2 | 1,011.79 | 1/2 | 667.66 | 1/2 | 323.15 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,693.57 | 3/4 | 1,349.05 | 3/4 | 1,004.63 | 3/4 | 660.48 | 3/4 | 315.97 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 1,686.40 | 5 | 1,341.88 | 5 | 997.47 | 5 | 653.30 | 5 | 308.80 | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 1,679.22 | 1/4 | 1,334.70 | 1/4 | 990.30 | 1/4 | 646.12 | 1/4 | 301.62 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,672.04 | 1/2 | 1,327.52 | 1/2 | 983.14 | 1/2 | 638.95 | 1/2 | 294.44 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,664.86 | 3/4 | 1,320.34 | 3/4 | 975.97 | 3/4 | 631.77 | 3/4 | 287.26 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 1,657.69 | 6 | 1,313.17 | 6 | 968.81 | 6 | 624.59 | 6 | 280.09 | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 1,650.51 | 1/4 | 1,305.99 | 1/4 | 961.64 | 1/4 | 617.41 | 1/4 | 272.91 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,643.33 | 1/2 | 1,298.81 | 1/2 | 954.48 | 1/2 | 610.24 | 1/2 | 265.73 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,636.15 | 3/4 | 1,291.63 | 3/4 | 947.31 | 3/4 | 603.06 | 3/4 | 258.55 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 1,628.98 | 7 | 1,284.46 | 7 | 940.15 | 7 | 595.88 | 7 | 251.38 | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 1,621.80 | 1/4 | 1,277.28 | 1/4 | 932.99 | 1/4 | 588.71 | 1/4 | 244.20 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,614.62 | 1/2 | 1,270.10 | 1/2 | 925.82 | 1/2 | 581.53 | 1/2 | 237.02 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,607.44 | 3/4 | 1,262.92 | 3/4 | 918.66 | 3/4 | 574.35 | 3/4 | 229.85 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 1,600.27 | 8 | 1,255.75 | 8 | 911.49 | 8 | 567.17 | 8 | 222.67 | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 1,593.09 | 1/4 | 1,248.57 | 1/4 | 904.33 | 1/4 | 560.00 | 1/4 | 215.49 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,585.91 | 1/2 | 1,241.39 | 1/2 | 897.16 | 1/2 | 552.82 | 1/2 | 208.31 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,578.73 | 3/4 | 1,234.21 | 3/4 | 890.00 | 3/4 | 545.64 | 3/4 | 201.14 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 1,571.56 | 9 | 1,227.04 | 9 | 882.83 | 9 | 538.47 | 9 | 193.96 | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 1,564.38 | 1/4 | 1,219.86 | 1/4 | 875.67 | 1/4 | 531.29 | 1/4 | 186.78 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,557.20 | 1/2 | 1,212.68 | 1/2 | 868.50 | 1/2 | 524.11 | 1/2 | 179.61 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,550.02 | 3/4 | 1,205.50 | 3/4 | 861.34 | 3/4 | 516.93 | 3/4 | 172.43 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 1,542.85 | 10 | 1,198.33 | 10 | 854.18 | 10 | 509.76 | 10 | 165.25 | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 1,535.67 | 1/4 | 1,191.15 | 1/4 | 847.01 | 1/4 | 502.58 | 1/4 | 158.07 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,528.49 | 1/2 | 1,183.97 | 1/2 | 839.85 | 1/2 | 495.40 | 1/2 | 150.90 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,521.31 | 3/4 | 1,176.79 | 3/4 | 832.68 | 3/4 | 488.23 | 3/4 | 143.72 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 1,514.14 | 11 | 1,169.62 | 11 | 825.52 | 11 | 481.05 | 11 | 136.54 | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 1,506.96 | 1/4 | 1,162.44 | 1/4 | 818.35 | 1/4 | 473.87 | 1/4 | 129.37 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,499.78 | 1/2 | 1,155.26 | 1/2 | 811.18 | 1/2 | 466.69 | 1/2 | 122.20 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,492.60 | 3/4 | 1,148.08 | 3/4 | 804.01 | 3/4 | 459.52 | 3/4 | 115.02 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/12/2013 CL
CALCULATED: 09/12/2013 CL
PRINTED: 09/12/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2013

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



BARGE "CTCo 316"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

| 0 FT. | | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | | 7 FT. | | 8 FT. | | 9 FT. | |
|-------|-----|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 0 | | 0 | 4,647.60 | 0 | 4,417.71 | 0 | 4,183.60 | 0 | 3,935.50 | 0 | 3,683.81 | 0 | 3,342.09 | 0 | 2,978.85 | 0 | 2,615.41 | 0 | 2,253.19 |
| 1/4 | | 1/4 | 4,643.91 | 1/4 | 4,413.01 | 1/4 | 4,178.58 | 1/4 | 3,930.26 | 1/4 | 3,678.57 | 1/4 | 3,334.54 | 1/4 | 2,971.28 | 1/4 | 2,607.83 | 1/4 | 2,245.68 |
| 1/2 | | 1/2 | 4,639.09 | 1/2 | 4,408.27 | 1/2 | 4,173.52 | 1/2 | 3,925.01 | 1/2 | 3,673.32 | 1/2 | 3,326.98 | 1/2 | 2,963.71 | 1/2 | 2,600.25 | 1/2 | 2,238.16 |
| 3/4 | | 3/4 | 4,634.26 | 3/4 | 4,403.53 | 3/4 | 4,168.47 | 3/4 | 3,919.77 | 3/4 | 3,668.08 | 3/4 | 3,319.42 | 3/4 | 2,956.14 | 3/4 | 2,592.67 | 3/4 | 2,230.65 |
| 1 | | 1 | 4,629.44 | 1 | 4,398.79 | 1 | 4,163.41 | 1 | 3,914.53 | 1 | 3,662.84 | 1 | 3,311.87 | 1 | 2,948.57 | 1 | 2,585.10 | 1 | 2,223.13 |
| 1/4 | | 1/4 | 4,624.62 | 1/4 | 4,394.05 | 1/4 | 4,158.36 | 1/4 | 3,909.28 | 1/4 | 3,657.59 | 1/4 | 3,304.31 | 1/4 | 2,941.00 | 1/4 | 2,577.52 | 1/4 | 2,215.61 |
| 1/2 | | 1/2 | 4,619.41 | 1/2 | 4,389.28 | 1/2 | 4,153.28 | 1/2 | 3,904.04 | 1/2 | 3,651.76 | 1/2 | 3,296.74 | 1/2 | 2,933.43 | 1/2 | 2,569.94 | 1/2 | 2,208.10 |
| 3/4 | | 3/4 | 4,614.21 | 3/4 | 4,384.50 | 3/4 | 4,148.20 | 3/4 | 3,898.79 | 3/4 | 3,645.93 | 3/4 | 3,289.17 | 3/4 | 2,925.86 | 3/4 | 2,562.36 | 3/4 | 2,200.58 |
| 2 | | 2 | 4,609.00 | 2 | 4,379.73 | 2 | 4,143.12 | 2 | 3,893.55 | 2 | 3,640.10 | 2 | 3,281.60 | 2 | 2,918.29 | 2 | 2,554.78 | 2 | 2,193.07 |
| 1/4 | | 1/4 | 4,603.80 | 1/4 | 4,374.95 | 1/4 | 4,138.04 | 1/4 | 3,888.31 | 1/4 | 3,634.27 | 1/4 | 3,274.04 | 1/4 | 2,910.72 | 1/4 | 2,547.21 | 1/4 | 2,185.55 |
| 1/2 | | 1/2 | 4,598.60 | 1/2 | 4,370.15 | 1/2 | 4,132.94 | 1/2 | 3,883.06 | 1/2 | 3,627.29 | 1/2 | 3,266.47 | 1/2 | 2,903.14 | 1/2 | 2,539.65 | 1/2 | 2,178.04 |
| 3/4 | | 3/4 | 4,593.39 | 3/4 | 4,365.35 | 3/4 | 4,127.84 | 3/4 | 3,877.82 | 3/4 | 3,620.30 | 3/4 | 3,258.90 | 3/4 | 2,895.57 | 3/4 | 2,532.09 | 3/4 | 2,170.52 |
| 3 | | 3 | 4,588.19 | 3 | 4,360.55 | 3 | 4,122.74 | 3 | 3,872.58 | 3 | 3,613.31 | 3 | 3,251.33 | 3 | 2,888.00 | 3 | 2,524.53 | 3 | 2,163.01 |
| 1/4 | | 1/4 | 4,582.98 | 1/4 | 4,355.75 | 1/4 | 4,117.63 | 1/4 | 3,867.33 | 1/4 | 3,606.32 | 1/4 | 3,243.76 | 1/4 | 2,880.43 | 1/4 | 2,516.97 | 1/4 | 2,155.49 |
| 1/2 | | 1/2 | 4,577.78 | 1/2 | 4,350.92 | 1/2 | 4,112.51 | 1/2 | 3,862.09 | 1/2 | 3,598.76 | 1/2 | 3,236.19 | 1/2 | 2,872.86 | 1/2 | 2,509.43 | 1/2 | 2,147.98 |
| 3/4 | | 3/4 | 4,572.57 | 3/4 | 4,346.09 | 3/4 | 4,107.38 | 3/4 | 3,856.85 | 3/4 | 3,591.21 | 3/4 | 3,228.63 | 3/4 | 2,865.29 | 3/4 | 2,501.89 | 3/4 | 2,140.46 |
| 4 | | 4 | 4,567.37 | 4 | 4,341.27 | 4 | 4,102.26 | 4 | 3,851.60 | 4 | 3,583.65 | 4 | 3,221.06 | 4 | 2,857.72 | 4 | 2,494.35 | 4 | 2,132.94 |
| 1/4 | | 1/4 | 4,562.17 | 1/4 | 4,336.44 | 1/4 | 4,097.13 | 1/4 | 3,846.36 | 1/4 | 3,576.09 | 1/4 | 3,213.49 | 1/4 | 2,850.15 | 1/4 | 2,486.81 | 1/4 | 2,125.43 |
| 1/2 | | 1/2 | 4,557.29 | 1/2 | 4,331.59 | 1/2 | 4,091.98 | 1/2 | 3,841.12 | 1/2 | 3,568.53 | 1/2 | 3,205.92 | 1/2 | 2,842.58 | 1/2 | 2,479.27 | 1/2 | 2,117.91 |
| 3/4 | | 3/4 | 4,552.41 | 3/4 | 4,326.74 | 3/4 | 4,086.83 | 3/4 | 3,835.87 | 3/4 | 3,560.98 | 3/4 | 3,198.35 | 3/4 | 2,835.01 | 3/4 | 2,471.73 | 3/4 | 2,110.40 |
| 5 | | 5 | 4,547.54 | 5 | 4,321.89 | 5 | 4,081.68 | 5 | 3,830.63 | 5 | 3,553.43 | 5 | 3,190.78 | 5 | 2,827.43 | 5 | 2,464.19 | 5 | 2,102.88 |
| 1/4 | | 1/4 | 4,542.66 | 1/4 | 4,317.04 | 1/4 | 4,076.53 | 1/4 | 3,825.39 | 1/4 | 3,545.87 | 1/4 | 3,183.21 | 1/4 | 2,819.86 | 1/4 | 2,456.65 | 1/4 | 2,095.37 |
| 1/2 | | 1/2 | 4,538.10 | 1/2 | 4,312.17 | 1/2 | 4,071.35 | 1/2 | 3,820.14 | 1/2 | 3,538.33 | 1/2 | 3,175.65 | 1/2 | 2,812.29 | 1/2 | 2,449.11 | 1/2 | 2,087.85 |
| 3/4 | | 3/4 | 4,533.54 | 3/4 | 4,307.29 | 3/4 | 4,066.18 | 3/4 | 3,814.90 | 3/4 | 3,530.78 | 3/4 | 3,168.08 | 3/4 | 2,804.72 | 3/4 | 2,441.57 | 3/4 | 2,080.34 |
| 6 | | 6 | 4,528.98 | 6 | 4,302.42 | 6 | 4,061.00 | 6 | 3,809.66 | 6 | 3,523.23 | 6 | 3,160.51 | 6 | 2,797.15 | 6 | 2,434.03 | 6 | 2,072.82 |
| 1/4 | | 1/4 | 4,524.42 | 1/4 | 4,297.55 | 1/4 | 4,055.82 | 1/4 | 3,804.41 | 1/4 | 3,515.68 | 1/4 | 3,152.94 | 1/4 | 2,789.58 | 1/4 | 2,426.49 | 1/4 | 2,065.30 |
| 1/2 | | 1/2 | 4,519.84 | 1/2 | 4,292.65 | 1/2 | 4,050.62 | 1/2 | 3,799.17 | 1/2 | 3,508.14 | 1/2 | 3,145.37 | 1/2 | 2,782.01 | 1/2 | 2,418.95 | 1/2 | 2,057.79 |
| 3/4 | | 3/4 | 4,515.26 | 3/4 | 4,287.75 | 3/4 | 4,045.42 | 3/4 | 3,793.92 | 3/4 | 3,500.59 | 3/4 | 3,137.80 | 3/4 | 2,774.44 | 3/4 | 2,411.41 | 3/4 | 2,050.27 |
| 7 | | 7 | 4,510.68 | 7 | 4,282.86 | 7 | 4,040.22 | 7 | 3,788.68 | 7 | 3,493.04 | 7 | 3,130.24 | 7 | 2,766.87 | 7 | 2,403.87 | 7 | 2,042.76 |
| 1/4 | | 1/4 | 4,506.10 | 1/4 | 4,277.96 | 1/4 | 4,035.02 | 1/4 | 3,783.44 | 1/4 | 3,485.49 | 1/4 | 3,122.67 | 1/4 | 2,759.30 | 1/4 | 2,396.33 | 1/4 | 2,035.24 |
| 1/2 | | 1/2 | 4,501.49 | 1/2 | 4,273.04 | 1/2 | 4,029.80 | 1/2 | 3,778.19 | 1/2 | 3,477.95 | 1/2 | 3,115.10 | 1/2 | 2,751.72 | 1/2 | 2,388.79 | 1/2 | 2,027.73 |
| 3/4 | | 3/4 | 4,496.89 | 3/4 | 4,268.12 | 3/4 | 4,024.58 | 3/4 | 3,772.95 | 3/4 | 3,470.40 | 3/4 | 3,107.53 | 3/4 | 2,744.15 | 3/4 | 2,381.25 | 3/4 | 2,020.21 |
| 8 | | 8 | 4,492.28 | 8 | 4,263.20 | 8 | 4,019.35 | 8 | 3,767.71 | 8 | 3,462.85 | 8 | 3,099.96 | 8 | 2,736.58 | 8 | 2,373.71 | 8 | 2,012.70 |
| 1/4 | | 1/4 | 4,487.67 | 1/4 | 4,258.28 | 1/4 | 4,014.13 | 1/4 | 3,762.46 | 1/4 | 3,455.30 | 1/4 | 3,092.39 | 1/4 | 2,729.01 | 1/4 | 2,366.17 | 1/4 | 2,005.18 |
| 1/2 | | 1/2 | 4,483.04 | 1/2 | 4,253.34 | 1/2 | 4,008.89 | 1/2 | 3,757.22 | 1/2 | 3,447.75 | 1/2 | 3,084.83 | 1/2 | 2,721.44 | 1/2 | 2,358.63 | 1/2 | 1,997.67 |
| 3/4 | | 3/4 | 4,478.41 | 3/4 | 4,248.40 | 3/4 | 4,003.65 | 3/4 | 3,751.98 | 3/4 | 3,440.21 | 3/4 | 3,077.26 | 3/4 | 2,713.87 | 3/4 | 2,351.09 | 3/4 | 1,990.15 |
| 9 | | 9 | 4,473.78 | 9 | 4,243.45 | 9 | 3,998.42 | 9 | 3,746.73 | 9 | 3,432.66 | 9 | 3,069.69 | 9 | 2,706.30 | 9 | 2,343.55 | 9 | 1,982.63 |
| 1/4 | | 1/4 | 4,469.15 | 1/4 | 4,238.51 | 1/4 | 3,993.18 | 1/4 | 3,741.49 | 1/4 | 3,425.11 | 1/4 | 3,062.12 | 1/4 | 2,698.73 | 1/4 | 2,336.01 | 1/4 | 1,975.12 |
| 1/2 | | 1/2 | 4,464.49 | 1/2 | 4,233.55 | 1/2 | 3,987.93 | 1/2 | 3,736.25 | 1/2 | 3,417.56 | 1/2 | 3,054.55 | 1/2 | 2,691.16 | 1/2 | 2,328.47 | 1/2 | 1,967.60 |
| 3/4 | | 3/4 | 4,459.84 | 3/4 | 4,228.58 | 3/4 | 3,982.69 | 3/4 | 3,731.00 | 3/4 | 3,410.02 | 3/4 | 3,046.98 | 3/4 | 2,683.59 | 3/4 | 2,320.93 | 3/4 | 1,960.09 |
| 10 | | 10 | 4,455.18 | 10 | 4,223.61 | 10 | 3,977.45 | 10 | 3,725.76 | 10 | 3,402.47 | 10 | 3,039.42 | 10 | 2,676.01 | 10 | 2,313.39 | 10 | 1,952.57 |
| 1/4 | | 1/4 | 4,450.53 | 1/4 | 4,218.65 | 1/4 | 3,972.20 | 1/4 | 3,720.52 | 1/4 | 3,394.92 | 1/4 | 3,031.85 | 1/4 | 2,668.44 | 1/4 | 2,305.85 | 1/4 | 1,945.06 |
| 1/2 | | 1/2 | 4,445.85 | 1/2 | 4,213.65 | 1/2 | 3,966.96 | 1/2 | 3,715.27 | 1/2 | 3,387.37 | 1/2 | 3,024.28 | 1/2 | 2,660.87 | 1/2 | 2,298.32 | 1/2 | 1,937.51 |
| 3/4 | | 3/4 | 4,441.17 | 3/4 | 4,208.66 | 3/4 | 3,961.72 | 3/4 | 3,710.03 | 3/4 | 3,379.83 | 3/4 | 3,016.71 | 3/4 | 2,653.29 | 3/4 | 2,290.80 | 3/4 | 1,929.96 |
| 11 | | 11 | 4,436.49 | 11 | 4,203.67 | 11 | 3,956.47 | 11 | 3,704.79 | 11 | 3,372.28 | 11 | 3,009.14 | 11 | 2,645.72 | 11 | 2,283.27 | 11 | 1,922.41 |
| 1/4 | | 1/4 | 4,431.81 | 1/4 | 4,198.68 | 1/4 | 3,951.23 | 1/4 | 3,699.54 | 1/4 | 3,364.73 | 1/4 | 3,001.57 | 1/4 | 2,638.14 | 1/4 | 2,275.74 | 1/4 | 1,914.86 |
| 1/2 | | 1/2 | 4,427.11 | 1/2 | 4,193.65 | 1/2 | 3,945.99 | 1/2 | 3,694.30 | 1/2 | 3,357.18 | 1/2 | 2,994.00 | 1/2 | 2,630.57 | 1/2 | 2,268.22 | 1/2 | 1,907.28 |
| 3/4 | | 3/4 | 4,422.41 | 3/4 | 4,188.63 | 3/4 | 3,940.74 | 3/4 | 3,689.05 | 3/4 | 3,349.63 | 3/4 | 2,986.43 | 3/4 | 2,622.99 | 3/4 | 2,260.71 | 3/4 | 1,899.71 |

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 AT 2" DIAMETER OPENING ON "HERMETIC" CLOSED GAUGING VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTCo 316"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 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 | 1,892.13 | 0 | 1,528.37 | 0 | 1,165.66 | 0 | 811.63 | 0 | 447.68 | 0 | 83.80 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 1,884.55 | 1/4 | 1,520.79 | 1/4 | 1,158.29 | 1/4 | 804.05 | 1/4 | 440.09 | 1/4 | 76.23 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,876.97 | 1/2 | 1,513.21 | 1/2 | 1,150.93 | 1/2 | 796.46 | 1/2 | 432.51 | 1/2 | 69.13 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,869.39 | 3/4 | 1,505.63 | 3/4 | 1,143.57 | 3/4 | 788.88 | 3/4 | 424.93 | 3/4 | 62.03 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 1,861.81 | 1 | 1,498.06 | 1 | 1,136.21 | 1 | 781.30 | 1 | 417.35 | 1 | 54.93 | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 1,854.24 | 1/4 | 1,490.48 | 1/4 | 1,128.84 | 1/4 | 773.72 | 1/4 | 409.77 | 1/4 | 47.83 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,846.66 | 1/2 | 1,482.90 | 1/2 | 1,121.49 | 1/2 | 766.13 | 1/2 | 402.19 | 1/2 | 42.13 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,839.08 | 3/4 | 1,475.32 | 3/4 | 1,114.13 | 3/4 | 758.55 | 3/4 | 394.61 | 3/4 | 36.44 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 1,831.50 | 2 | 1,467.74 | 2 | 1,106.78 | 2 | 750.97 | 2 | 387.03 | 2 | 30.74 | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 1,823.92 | 1/4 | 1,460.16 | 1/4 | 1,099.42 | 1/4 | 743.39 | 1/4 | 379.44 | 1/4 | 25.05 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,816.34 | 1/2 | 1,452.59 | 1/2 | 1,092.07 | 1/2 | 735.80 | 1/2 | 371.86 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,808.77 | 3/4 | 1,445.01 | 3/4 | 1,084.71 | 3/4 | 728.22 | 3/4 | 364.28 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 1,801.19 | 3 | 1,437.43 | 3 | 1,077.36 | 3 | 720.64 | 3 | 356.70 | 3 | | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 1,793.61 | 1/4 | 1,429.85 | 1/4 | 1,070.01 | 1/4 | 713.06 | 1/4 | 349.12 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,786.03 | 1/2 | 1,422.27 | 1/2 | 1,062.66 | 1/2 | 705.47 | 1/2 | 341.54 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,778.45 | 3/4 | 1,414.69 | 3/4 | 1,055.31 | 3/4 | 697.89 | 3/4 | 333.96 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 1,770.87 | 4 | 1,407.12 | 4 | 1,047.96 | 4 | 690.31 | 4 | 326.38 | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 1,763.30 | 1/4 | 1,399.54 | 1/4 | 1,040.61 | 1/4 | 682.73 | 1/4 | 318.80 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,755.72 | 1/2 | 1,391.96 | 1/2 | 1,033.26 | 1/2 | 675.14 | 1/2 | 311.21 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,748.14 | 3/4 | 1,384.38 | 3/4 | 1,025.92 | 3/4 | 667.56 | 3/4 | 303.63 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 1,740.56 | 5 | 1,376.80 | 5 | 1,018.57 | 5 | 659.98 | 5 | 296.05 | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 1,732.98 | 1/4 | 1,369.23 | 1/4 | 1,011.22 | 1/4 | 652.40 | 1/4 | 288.47 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,725.41 | 1/2 | 1,361.65 | 1/2 | 1,003.87 | 1/2 | 644.81 | 1/2 | 280.89 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,717.83 | 3/4 | 1,354.07 | 3/4 | 996.52 | 3/4 | 637.23 | 3/4 | 273.31 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 1,710.25 | 6 | 1,346.49 | 6 | 989.17 | 6 | 629.65 | 6 | 265.73 | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 1,702.67 | 1/4 | 1,338.91 | 1/4 | 981.82 | 1/4 | 622.07 | 1/4 | 258.15 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,695.09 | 1/2 | 1,331.33 | 1/2 | 974.47 | 1/2 | 614.48 | 1/2 | 250.56 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,687.51 | 3/4 | 1,323.76 | 3/4 | 967.12 | 3/4 | 606.90 | 3/4 | 242.98 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 1,679.94 | 7 | 1,316.18 | 7 | 959.78 | 7 | 599.32 | 7 | 235.40 | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 1,672.36 | 1/4 | 1,308.60 | 1/4 | 952.43 | 1/4 | 591.74 | 1/4 | 227.82 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,664.78 | 1/2 | 1,301.02 | 1/2 | 945.08 | 1/2 | 584.15 | 1/2 | 220.24 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,657.20 | 3/4 | 1,293.44 | 3/4 | 937.73 | 3/4 | 576.57 | 3/4 | 212.65 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 1,649.62 | 8 | 1,285.86 | 8 | 930.38 | 8 | 568.99 | 8 | 205.07 | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 1,642.04 | 1/4 | 1,278.29 | 1/4 | 923.03 | 1/4 | 561.41 | 1/4 | 197.49 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,634.47 | 1/2 | 1,270.71 | 1/2 | 915.68 | 1/2 | 553.82 | 1/2 | 189.90 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,626.89 | 3/4 | 1,263.13 | 3/4 | 908.33 | 3/4 | 546.24 | 3/4 | 182.32 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 1,619.31 | 9 | 1,255.55 | 9 | 900.99 | 9 | 538.66 | 9 | 174.74 | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 1,611.73 | 1/4 | 1,247.97 | 1/4 | 893.64 | 1/4 | 531.08 | 1/4 | 167.16 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,604.15 | 1/2 | 1,240.39 | 1/2 | 886.29 | 1/2 | 523.49 | 1/2 | 159.57 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,596.57 | 3/4 | 1,232.82 | 3/4 | 878.94 | 3/4 | 515.91 | 3/4 | 151.99 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 1,589.00 | 10 | 1,225.24 | 10 | 871.59 | 10 | 508.33 | 10 | 144.41 | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 1,581.42 | 1/4 | 1,217.66 | 1/4 | 864.24 | 1/4 | 500.75 | 1/4 | 136.82 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,573.84 | 1/2 | 1,210.19 | 1/2 | 856.78 | 1/2 | 493.17 | 1/2 | 129.24 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,566.26 | 3/4 | 1,202.71 | 3/4 | 849.31 | 3/4 | 485.58 | 3/4 | 121.66 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 1,558.68 | 11 | 1,195.24 | 11 | 841.84 | 11 | 478.00 | 11 | 114.08 | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 1,551.10 | 1/4 | 1,187.77 | 1/4 | 834.38 | 1/4 | 470.42 | 1/4 | 106.50 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,543.53 | 1/2 | 1,180.40 | 1/2 | 826.79 | 1/2 | 462.84 | 1/2 | 98.93 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,535.95 | 3/4 | 1,173.03 | 3/4 | 819.21 | 3/4 | 455.26 | 3/4 | 91.36 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/12/2013 CL
CALCULATED: 09/12/2013 CL
PRINTED: 09/12/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2013

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



BARGE "CTCo 316"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

| 0 FT. | | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | | 7 FT. | | 8 FT. | | 9 FT. | |
|-------|--|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | |
| 0 | | 0 | 4,671.32 | 0 | 4,441.33 | 0 | 4,207.13 | 0 | 3,958.91 | 0 | 3,707.12 | 0 | 3,364.73 | 0 | 3,000.54 | 0 | 2,636.15 | 0 | 2,271.44 |
| 1/4 | | 1/4 | 4,667.63 | 1/4 | 4,436.62 | 1/4 | 4,202.10 | 1/4 | 3,953.67 | 1/4 | 3,701.88 | 1/4 | 3,357.16 | 1/4 | 2,992.95 | 1/4 | 2,628.56 | 1/4 | 2,263.84 |
| 1/2 | | 1/2 | 4,662.80 | 1/2 | 4,431.88 | 1/2 | 4,197.04 | 1/2 | 3,948.42 | 1/2 | 3,696.63 | 1/2 | 3,349.58 | 1/2 | 2,985.36 | 1/2 | 2,620.96 | 1/2 | 2,256.24 |
| 3/4 | | 3/4 | 4,657.97 | 3/4 | 4,427.14 | 3/4 | 4,191.98 | 3/4 | 3,943.18 | 3/4 | 3,691.39 | 3/4 | 3,342.01 | 3/4 | 2,977.77 | 3/4 | 2,613.36 | 3/4 | 2,248.65 |
| 1 | | 1 | 4,653.15 | 1 | 4,422.40 | 1 | 4,186.93 | 1 | 3,937.93 | 1 | 3,686.14 | 1 | 3,334.43 | 1 | 2,970.18 | 1 | 2,605.76 | 1 | 2,241.05 |
| 1/4 | | 1/4 | 4,648.32 | 1/4 | 4,417.66 | 1/4 | 4,181.87 | 1/4 | 3,932.68 | 1/4 | 3,680.90 | 1/4 | 3,326.85 | 1/4 | 2,962.59 | 1/4 | 2,598.16 | 1/4 | 2,233.45 |
| 1/2 | | 1/2 | 4,643.11 | 1/2 | 4,412.89 | 1/2 | 4,176.79 | 1/2 | 3,927.44 | 1/2 | 3,675.06 | 1/2 | 3,319.26 | 1/2 | 2,955.00 | 1/2 | 2,590.56 | 1/2 | 2,225.85 |
| 3/4 | | 3/4 | 4,637.91 | 3/4 | 4,408.11 | 3/4 | 4,171.71 | 3/4 | 3,922.19 | 3/4 | 3,669.23 | 3/4 | 3,311.67 | 3/4 | 2,947.41 | 3/4 | 2,582.97 | 3/4 | 2,218.25 |
| 2 | | 2 | 4,632.70 | 2 | 4,403.33 | 2 | 4,166.63 | 2 | 3,916.95 | 2 | 3,663.40 | 2 | 3,304.09 | 2 | 2,939.82 | 2 | 2,575.37 | 2 | 2,210.65 |
| 1/4 | | 1/4 | 4,627.49 | 1/4 | 4,398.56 | 1/4 | 4,161.54 | 1/4 | 3,911.70 | 1/4 | 3,657.57 | 1/4 | 3,296.50 | 1/4 | 2,932.23 | 1/4 | 2,567.77 | 1/4 | 2,203.06 |
| 1/2 | | 1/2 | 4,622.29 | 1/2 | 4,393.75 | 1/2 | 4,156.44 | 1/2 | 3,906.46 | 1/2 | 3,650.57 | 1/2 | 3,288.91 | 1/2 | 2,924.63 | 1/2 | 2,560.17 | 1/2 | 2,195.46 |
| 3/4 | | 3/4 | 4,617.08 | 3/4 | 4,388.95 | 3/4 | 4,151.34 | 3/4 | 3,901.21 | 3/4 | 3,643.58 | 3/4 | 3,281.32 | 3/4 | 2,917.04 | 3/4 | 2,552.57 | 3/4 | 2,187.86 |
| 3 | | 3 | 4,611.87 | 3 | 4,384.15 | 3 | 4,146.23 | 3 | 3,895.97 | 3 | 3,636.59 | 3 | 3,273.73 | 3 | 2,909.45 | 3 | 2,544.98 | 3 | 2,180.26 |
| 1/4 | | 1/4 | 4,606.67 | 1/4 | 4,379.34 | 1/4 | 4,141.13 | 1/4 | 3,890.72 | 1/4 | 3,629.59 | 1/4 | 3,266.14 | 1/4 | 2,901.86 | 1/4 | 2,537.38 | 1/4 | 2,172.66 |
| 1/2 | | 1/2 | 4,601.46 | 1/2 | 4,374.51 | 1/2 | 4,136.00 | 1/2 | 3,885.47 | 1/2 | 3,622.03 | 1/2 | 3,258.56 | 1/2 | 2,894.27 | 1/2 | 2,529.78 | 1/2 | 2,165.07 |
| 3/4 | | 3/4 | 4,596.26 | 3/4 | 4,369.68 | 3/4 | 4,130.88 | 3/4 | 3,880.23 | 3/4 | 3,614.46 | 3/4 | 3,250.97 | 3/4 | 2,886.68 | 3/4 | 2,522.18 | 3/4 | 2,157.47 |
| 4 | | 4 | 4,591.05 | 4 | 4,364.86 | 4 | 4,125.75 | 4 | 3,874.98 | 4 | 3,606.89 | 4 | 3,243.38 | 4 | 2,879.09 | 4 | 2,514.58 | 4 | 2,149.87 |
| 1/4 | | 1/4 | 4,585.84 | 1/4 | 4,360.03 | 1/4 | 4,120.62 | 1/4 | 3,869.74 | 1/4 | 3,599.32 | 1/4 | 3,235.79 | 1/4 | 2,871.50 | 1/4 | 2,506.98 | 1/4 | 2,142.27 |
| 1/2 | | 1/2 | 4,580.96 | 1/2 | 4,355.17 | 1/2 | 4,115.47 | 1/2 | 3,864.49 | 1/2 | 3,591.76 | 1/2 | 3,228.20 | 1/2 | 2,863.91 | 1/2 | 2,499.39 | 1/2 | 2,134.67 |
| 3/4 | | 3/4 | 4,576.09 | 3/4 | 4,350.32 | 3/4 | 4,110.32 | 3/4 | 3,859.25 | 3/4 | 3,584.19 | 3/4 | 3,220.62 | 3/4 | 2,856.32 | 3/4 | 2,491.79 | 3/4 | 2,127.07 |
| 5 | | 5 | 4,571.21 | 5 | 4,345.47 | 5 | 4,105.16 | 5 | 3,854.00 | 5 | 3,576.62 | 5 | 3,213.03 | 5 | 2,848.73 | 5 | 2,484.19 | 5 | 2,119.48 |
| 1/4 | | 1/4 | 4,566.33 | 1/4 | 4,340.62 | 1/4 | 4,100.01 | 1/4 | 3,848.75 | 1/4 | 3,569.05 | 1/4 | 3,205.44 | 1/4 | 2,841.13 | 1/4 | 2,476.59 | 1/4 | 2,111.88 |
| 1/2 | | 1/2 | 4,561.77 | 1/2 | 4,335.74 | 1/2 | 4,094.83 | 1/2 | 3,843.51 | 1/2 | 3,561.49 | 1/2 | 3,197.85 | 1/2 | 2,833.54 | 1/2 | 2,468.99 | 1/2 | 2,104.28 |
| 3/4 | | 3/4 | 4,557.21 | 3/4 | 4,330.87 | 3/4 | 4,089.65 | 3/4 | 3,838.26 | 3/4 | 3,553.92 | 3/4 | 3,190.26 | 3/4 | 2,825.95 | 3/4 | 2,461.40 | 3/4 | 2,096.68 |
| 6 | | 6 | 4,552.65 | 6 | 4,325.99 | 6 | 4,084.47 | 6 | 3,833.02 | 6 | 3,546.35 | 6 | 3,182.67 | 6 | 2,818.36 | 6 | 2,453.80 | 6 | 2,089.08 |
| 1/4 | | 1/4 | 4,548.08 | 1/4 | 4,321.12 | 1/4 | 4,079.29 | 1/4 | 3,827.77 | 1/4 | 3,538.78 | 1/4 | 3,175.09 | 1/4 | 2,810.77 | 1/4 | 2,446.20 | 1/4 | 2,081.49 |
| 1/2 | | 1/2 | 4,543.50 | 1/2 | 4,316.22 | 1/2 | 4,074.09 | 1/2 | 3,822.53 | 1/2 | 3,531.22 | 1/2 | 3,167.50 | 1/2 | 2,803.18 | 1/2 | 2,438.60 | 1/2 | 2,073.89 |
| 3/4 | | 3/4 | 4,538.92 | 3/4 | 4,311.32 | 3/4 | 4,068.89 | 3/4 | 3,817.28 | 3/4 | 3,523.65 | 3/4 | 3,159.91 | 3/4 | 2,795.59 | 3/4 | 2,431.00 | 3/4 | 2,066.29 |
| 7 | | 7 | 4,534.34 | 7 | 4,306.42 | 7 | 4,063.68 | 7 | 3,812.04 | 7 | 3,516.08 | 7 | 3,152.32 | 7 | 2,788.00 | 7 | 2,423.40 | 7 | 2,058.69 |
| 1/4 | | 1/4 | 4,529.75 | 1/4 | 4,301.52 | 1/4 | 4,058.48 | 1/4 | 3,806.79 | 1/4 | 3,508.51 | 1/4 | 3,144.73 | 1/4 | 2,780.41 | 1/4 | 2,415.81 | 1/4 | 2,051.09 |
| 1/2 | | 1/2 | 4,525.14 | 1/2 | 4,296.60 | 1/2 | 4,053.26 | 1/2 | 3,801.54 | 1/2 | 3,500.95 | 1/2 | 3,137.15 | 1/2 | 2,772.82 | 1/2 | 2,408.21 | 1/2 | 2,043.49 |
| 3/4 | | 3/4 | 4,520.54 | 3/4 | 4,291.68 | 3/4 | 4,048.03 | 3/4 | 3,796.30 | 3/4 | 3,493.38 | 3/4 | 3,129.56 | 3/4 | 2,765.23 | 3/4 | 2,400.61 | 3/4 | 2,035.90 |
| 8 | | 8 | 4,515.93 | 8 | 4,286.76 | 8 | 4,042.81 | 8 | 3,791.05 | 8 | 3,485.81 | 8 | 3,121.97 | 8 | 2,757.63 | 8 | 2,393.01 | 8 | 2,028.30 |
| 1/4 | | 1/4 | 4,511.32 | 1/4 | 4,281.84 | 1/4 | 4,037.58 | 1/4 | 3,785.81 | 1/4 | 3,478.24 | 1/4 | 3,114.38 | 1/4 | 2,750.04 | 1/4 | 2,385.41 | 1/4 | 2,020.70 |
| 1/2 | | 1/2 | 4,506.69 | 1/2 | 4,276.89 | 1/2 | 4,032.34 | 1/2 | 3,780.56 | 1/2 | 3,470.68 | 1/2 | 3,106.79 | 1/2 | 2,742.45 | 1/2 | 2,377.82 | 1/2 | 2,013.10 |
| 3/4 | | 3/4 | 4,502.05 | 3/4 | 4,271.95 | 3/4 | 4,027.10 | 3/4 | 3,775.32 | 3/4 | 3,463.11 | 3/4 | 3,099.20 | 3/4 | 2,734.86 | 3/4 | 2,370.22 | 3/4 | 2,005.50 |
| 9 | | 9 | 4,497.42 | 9 | 4,267.00 | 9 | 4,021.86 | 9 | 3,770.07 | 9 | 3,455.54 | 9 | 3,091.62 | 9 | 2,727.27 | 9 | 2,362.62 | 9 | 1,997.91 |
| 1/4 | | 1/4 | 4,492.79 | 1/4 | 4,262.06 | 1/4 | 4,016.61 | 1/4 | 3,764.83 | 1/4 | 3,447.97 | 1/4 | 3,084.03 | 1/4 | 2,719.68 | 1/4 | 2,355.02 | 1/4 | 1,990.31 |
| 1/2 | | 1/2 | 4,488.13 | 1/2 | 4,257.09 | 1/2 | 4,011.37 | 1/2 | 3,759.58 | 1/2 | 3,440.41 | 1/2 | 3,076.44 | 1/2 | 2,712.09 | 1/2 | 2,347.42 | 1/2 | 1,982.71 |
| 3/4 | | 3/4 | 4,483.47 | 3/4 | 4,252.12 | 3/4 | 4,006.12 | 3/4 | 3,754.33 | 3/4 | 3,432.84 | 3/4 | 3,068.85 | 3/4 | 2,704.50 | 3/4 | 2,339.82 | 3/4 | 1,975.11 |
| 10 | | 10 | 4,478.81 | 10 | 4,247.15 | 10 | 4,000.88 | 10 | 3,749.09 | 10 | 3,425.27 | 10 | 3,061.26 | 10 | 2,696.91 | 10 | 2,332.23 | 10 | 1,967.51 |
| 1/4 | | 1/4 | 4,474.16 | 1/4 | 4,242.18 | 1/4 | 3,995.63 | 1/4 | 3,743.84 | 1/4 | 3,417.70 | 1/4 | 3,053.68 | 1/4 | 2,689.32 | 1/4 | 2,324.63 | 1/4 | 1,959.91 |
| 1/2 | | 1/2 | 4,469.48 | 1/2 | 4,237.19 | 1/2 | 3,990.39 | 1/2 | 3,738.60 | 1/2 | 3,410.14 | 1/2 | 3,046.09 | 1/2 | 2,681.72 | 1/2 | 2,317.03 | 1/2 | 1,952.32 |
| 3/4 | | 3/4 | 4,464.80 | 3/4 | 4,232.20 | 3/4 | 3,985.14 | 3/4 | 3,733.35 | 3/4 | 3,402.57 | 3/4 | 3,038.50 | 3/4 | 2,674.13 | 3/4 | 2,309.43 | 3/4 | 1,944.72 |
| 11 | | 11 | 4,460.12 | 11 | 4,227.20 | 11 | 3,979.89 | 11 | 3,728.11 | 11 | 3,395.00 | 11 | 3,030.91 | 11 | 2,666.54 | 11 | 2,301.83 | 11 | 1,937.12 |
| 1/4 | | 1/4 | 4,455.44 | 1/4 | 4,222.21 | 1/4 | 3,974.65 | 1/4 | 3,722.86 | 1/4 | 3,387.43 | 1/4 | 3,023.32 | 1/4 | 2,658.95 | 1/4 | 2,294.24 | 1/4 | 1,929.52 |
| 1/2 | | 1/2 | 4,450.73 | 1/2 | 4,217.18 | 1/2 | 3,969.40 | 1/2 | 3,717.61 | 1/2 | 3,379.87 | 1/2 | 3,015.73 | 1/2 | 2,651.35 | 1/2 | 2,286.64 | 1/2 | 1,921.92 |
| 3/4 | | 3/4 | 4,446.03 | 3/4 | 4,212.15 | 3/4 | 3,964.16 | 3/4 | 3,712.37 | 3/4 | 3,372.30 | 3/4 | 3,008.13 | 3/4 | 2,643.75 | 3/4 | 2,279.04 | 3/4 | 1,914.33 |

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 AT 2" DIAMETER OPENING ON "HERMETIC" CLOSED GAUGING VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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 Pearland, Texas 77588
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BARGE "CTCo 316"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

| 10 FT. | | 11 FT. | | 12 FT. | | 13 FT. | | 14 FT. | | 15 FT. | | 16 FT. | | 17 FT. | | 18 FT. | | 19 FT. | |
|--------|----------|--------|----------|--------|----------|--------|--------|--------|--------|--------|-------|--------|--|--------|--|--------|--|--------|--|
| 0 | 1,906.73 | 0 | 1,542.01 | 0 | 1,177.30 | 0 | 813.14 | 0 | 448.44 | 0 | 83.84 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 1,899.13 | 1/4 | 1,534.42 | 1/4 | 1,169.70 | 1/4 | 805.54 | 1/4 | 440.84 | 1/4 | 76.27 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,891.53 | 1/2 | 1,526.82 | 1/2 | 1,162.11 | 1/2 | 797.94 | 1/2 | 433.24 | 1/2 | 69.16 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,883.93 | 3/4 | 1,519.22 | 3/4 | 1,154.51 | 3/4 | 790.35 | 3/4 | 425.65 | 3/4 | 62.06 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 1,876.33 | 1 | 1,511.62 | 1 | 1,146.92 | 1 | 782.75 | 1 | 418.05 | 1 | 54.95 | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 1,868.74 | 1/4 | 1,504.02 | 1/4 | 1,139.32 | 1/4 | 775.15 | 1/4 | 410.45 | 1/4 | 47.85 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,861.14 | 1/2 | 1,496.42 | 1/2 | 1,131.73 | 1/2 | 767.55 | 1/2 | 402.85 | 1/2 | 42.15 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,853.54 | 3/4 | 1,488.83 | 3/4 | 1,124.14 | 3/4 | 759.95 | 3/4 | 395.25 | 3/4 | 36.45 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 1,845.94 | 2 | 1,481.23 | 2 | 1,116.55 | 2 | 752.36 | 2 | 387.66 | 2 | 30.76 | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 1,838.34 | 1/4 | 1,473.63 | 1/4 | 1,108.96 | 1/4 | 744.76 | 1/4 | 380.06 | 1/4 | 25.06 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,830.74 | 1/2 | 1,466.03 | 1/2 | 1,101.38 | 1/2 | 737.16 | 1/2 | 372.46 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,823.15 | 3/4 | 1,458.43 | 3/4 | 1,093.79 | 3/4 | 729.56 | 3/4 | 364.86 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 1,815.55 | 3 | 1,450.83 | 3 | 1,086.20 | 3 | 721.96 | 3 | 357.27 | 3 | | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 1,807.95 | 1/4 | 1,443.24 | 1/4 | 1,078.62 | 1/4 | 714.37 | 1/4 | 349.67 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,800.35 | 1/2 | 1,435.64 | 1/2 | 1,071.04 | 1/2 | 706.77 | 1/2 | 342.07 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,792.75 | 3/4 | 1,428.04 | 3/4 | 1,063.45 | 3/4 | 699.17 | 3/4 | 334.47 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 1,785.16 | 4 | 1,420.44 | 4 | 1,055.87 | 4 | 691.57 | 4 | 326.87 | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 1,777.56 | 1/4 | 1,412.84 | 1/4 | 1,048.29 | 1/4 | 683.98 | 1/4 | 319.28 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,769.96 | 1/2 | 1,405.25 | 1/2 | 1,040.70 | 1/2 | 676.38 | 1/2 | 311.68 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,762.36 | 3/4 | 1,397.65 | 3/4 | 1,033.12 | 3/4 | 668.78 | 3/4 | 304.08 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 1,754.76 | 5 | 1,390.05 | 5 | 1,025.54 | 5 | 661.18 | 5 | 296.48 | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 1,747.16 | 1/4 | 1,382.45 | 1/4 | 1,017.96 | 1/4 | 653.58 | 1/4 | 288.88 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,739.57 | 1/2 | 1,374.85 | 1/2 | 1,010.37 | 1/2 | 645.99 | 1/2 | 281.29 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,731.97 | 3/4 | 1,367.25 | 3/4 | 1,002.79 | 3/4 | 638.39 | 3/4 | 273.69 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 1,724.37 | 6 | 1,359.66 | 6 | 995.21 | 6 | 630.79 | 6 | 266.09 | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 1,716.77 | 1/4 | 1,352.06 | 1/4 | 987.62 | 1/4 | 623.19 | 1/4 | 258.49 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,709.17 | 1/2 | 1,344.46 | 1/2 | 980.04 | 1/2 | 615.59 | 1/2 | 250.89 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,701.58 | 3/4 | 1,336.86 | 3/4 | 972.46 | 3/4 | 608.00 | 3/4 | 243.30 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 1,693.98 | 7 | 1,329.26 | 7 | 964.87 | 7 | 600.40 | 7 | 235.70 | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 1,686.38 | 1/4 | 1,321.67 | 1/4 | 957.29 | 1/4 | 592.80 | 1/4 | 228.10 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,678.78 | 1/2 | 1,314.07 | 1/2 | 949.71 | 1/2 | 585.20 | 1/2 | 220.50 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,671.18 | 3/4 | 1,306.47 | 3/4 | 942.13 | 3/4 | 577.60 | 3/4 | 212.91 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 1,663.58 | 8 | 1,298.87 | 8 | 934.54 | 8 | 570.01 | 8 | 205.31 | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 1,655.99 | 1/4 | 1,291.27 | 1/4 | 926.96 | 1/4 | 562.41 | 1/4 | 197.71 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,648.39 | 1/2 | 1,283.67 | 1/2 | 919.38 | 1/2 | 554.81 | 1/2 | 190.11 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,640.79 | 3/4 | 1,276.08 | 3/4 | 911.79 | 3/4 | 547.21 | 3/4 | 182.51 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 1,633.19 | 9 | 1,268.48 | 9 | 904.21 | 9 | 539.62 | 9 | 174.92 | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 1,625.59 | 1/4 | 1,260.88 | 1/4 | 896.63 | 1/4 | 532.02 | 1/4 | 167.32 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,618.00 | 1/2 | 1,253.28 | 1/2 | 889.05 | 1/2 | 524.42 | 1/2 | 159.72 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,610.40 | 3/4 | 1,245.68 | 3/4 | 881.46 | 3/4 | 516.82 | 3/4 | 152.12 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 1,602.80 | 10 | 1,238.09 | 10 | 873.88 | 10 | 509.22 | 10 | 144.53 | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 1,595.20 | 1/4 | 1,230.49 | 1/4 | 866.30 | 1/4 | 501.63 | 1/4 | 136.93 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,587.60 | 1/2 | 1,222.89 | 1/2 | 858.71 | 1/2 | 494.03 | 1/2 | 129.34 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,580.00 | 3/4 | 1,215.29 | 3/4 | 851.12 | 3/4 | 486.43 | 3/4 | 121.75 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 1,572.41 | 11 | 1,207.69 | 11 | 843.52 | 11 | 478.83 | 11 | 114.15 | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 1,564.81 | 1/4 | 1,200.09 | 1/4 | 835.93 | 1/4 | 471.23 | 1/4 | 106.56 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,557.21 | 1/2 | 1,192.50 | 1/2 | 828.34 | 1/2 | 463.64 | 1/2 | 98.99 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,549.61 | 3/4 | 1,184.90 | 3/4 | 820.74 | 3/4 | 456.04 | 3/4 | 91.41 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/12/2013 CL
CALCULATED: 09/12/2013 CL
PRINTED: 09/12/2013 CL

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