# BARGE "KIRBY 10071"

ULLAGE TRIM TABLE

| | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **BOW** | **STERN** | **BOW** | **STERN** | **BOW** | **STERN** | **BOW** | **STERN** | **BOW** | **STERN** | **BOW** | **STERN** |
| **1 CENTER** | - 00-3/8 | 00-3/8 | - 00-3/4 | 00-3/4 | - 01-0/8 | 01-0/8 | - 01-3/8 | 01-3/8 | - 01-3/4 | 01-3/4 | - 02-1/8 | 02-1/8 |
| **2 CENTER** | - 00-1/8 | 00-1/8 | - 00-1/4 | 00-1/4 | - 00-3/8 | 00-3/8 | - 00-1/2 | 00-1/2 | - 00-5/8 | 00-5/8 | - 00-3/4 | 00-3/4 |
| **3 CENTER** | - 00-3/8 | 00-3/8 | - 00-5/8 | 00-5/8 | - 01-0/8 | 01-0/8 | - 01-1/4 | 01-1/4 | - 01-5/8 | 01-5/8 | - 02-0/8 | 02-0/8 |

**(ALL MEASUREMENTS ABOVE ARE IN INCHES)**

**EXAMPLE FOR ABOVE TRIM CORRECTIONS:**

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

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

**LENGTH BETWEEN DRAFT MARKS: 158'-00"**

**February 7, 2007**


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

**http://www.pmacorp.net**

# BARGE "KIRBY 10071"

## 1 CENTER

### ULLAGE TABLE

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

**GAUGE HEIGHT 15'-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 | 3,147.94 | 0 | 2,928.75 | 0 | 2,709.25 | 0 | 2,482.93 | 0 | 2,226.94 | 0 | 1,970.94 | 0 | 1,714.91 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,143.41 | 1/4 | 2,924.19 | 1/4 | 2,704.65 | 1/4 | 2,477.60 | 1/4 | 2,221.61 | 1/4 | 1,965.61 | 1/4 | 1,709.58 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,138.86 | 1/2 | 2,919.62 | 1/2 | 2,700.04 | 1/2 | 2,472.27 | 1/2 | 2,216.27 | 1/2 | 1,960.27 | 1/2 | 1,704.25 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,134.31 | 3/4 | 2,915.05 | 3/4 | 2,695.43 | 3/4 | 2,466.93 | 3/4 | 2,210.94 | 3/4 | 1,954.94 | 3/4 | 1,698.91 |
| 1 | | 1 | | 1 | | 1 | 3,129.76 | 1 | 2,910.48 | 1 | 2,690.82 | 1 | 2,461.60 | 1 | 2,205.61 | 1 | 1,949.61 | 1 | 1,693.58 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,125.21 | 1/4 | 2,905.91 | 1/4 | 2,686.21 | 1/4 | 2,456.27 | 1/4 | 2,200.27 | 1/4 | 1,944.27 | 1/4 | 1,688.24 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,120.64 | 1/2 | 2,901.34 | 1/2 | 2,681.60 | 1/2 | 2,450.93 | 1/2 | 2,194.94 | 1/2 | 1,938.94 | 1/2 | 1,682.91 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,116.07 | 3/4 | 2,896.77 | 3/4 | 2,676.99 | 3/4 | 2,445.60 | 3/4 | 2,189.61 | 3/4 | 1,933.60 | 3/4 | 1,677.58 |
| 2 | | 2 | | 2 | | 2 | 3,111.50 | 2 | 2,892.21 | 2 | 2,672.38 | 2 | 2,440.27 | 2 | 2,184.27 | 2 | 1,928.27 | 2 | 1,672.24 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,106.93 | 1/4 | 2,887.64 | 1/4 | 2,667.77 | 1/4 | 2,434.93 | 1/4 | 2,178.94 | 1/4 | 1,922.94 | 1/4 | 1,666.91 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,102.37 | 1/2 | 2,883.07 | 1/2 | 2,663.16 | 1/2 | 2,429.60 | 1/2 | 2,173.61 | 1/2 | 1,917.60 | 1/2 | 1,661.57 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,097.80 | 3/4 | 2,878.50 | 3/4 | 2,658.55 | 3/4 | 2,424.27 | 3/4 | 2,168.27 | 3/4 | 1,912.27 | 3/4 | 1,656.24 |
| 3 | | 3 | | 3 | | 3 | 3,093.23 | 3 | 2,873.93 | 3 | 2,653.94 | 3 | 2,418.93 | 3 | 2,162.94 | 3 | 1,906.93 | 3 | 1,650.91 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,088.66 | 1/4 | 2,869.36 | 1/4 | 2,649.33 | 1/4 | 2,413.60 | 1/4 | 2,157.61 | 1/4 | 1,901.60 | 1/4 | 1,645.57 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,084.09 | 1/2 | 2,864.79 | 1/2 | 2,644.72 | 1/2 | 2,408.27 | 1/2 | 2,152.27 | 1/2 | 1,896.27 | 1/2 | 1,640.24 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,079.52 | 3/4 | 2,860.22 | 3/4 | 2,640.11 | 3/4 | 2,402.94 | 3/4 | 2,146.94 | 3/4 | 1,890.93 | 3/4 | 1,634.91 |
| 4 | | 4 | | 4 | | 4 | 3,074.95 | 4 | 2,855.66 | 4 | 2,635.50 | 4 | 2,397.60 | 4 | 2,141.61 | 4 | 1,885.60 | 4 | 1,629.57 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,070.38 | 1/4 | 2,851.09 | 1/4 | 2,630.89 | 1/4 | 2,392.27 | 1/4 | 2,136.28 | 1/4 | 1,880.26 | 1/4 | 1,624.24 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,065.82 | 1/2 | 2,846.52 | 1/2 | 2,626.28 | 1/2 | 2,386.94 | 1/2 | 2,130.94 | 1/2 | 1,874.93 | 1/2 | 1,618.90 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,061.25 | 3/4 | 2,841.95 | 3/4 | 2,621.67 | 3/4 | 2,381.60 | 3/4 | 2,125.61 | 3/4 | 1,869.60 | 3/4 | 1,613.57 |
| 5 | | 5 | | 5 | | 5 | 3,056.68 | 5 | 2,837.38 | 5 | 2,617.06 | 5 | 2,376.27 | 5 | 2,120.28 | 5 | 1,864.26 | 5 | 1,608.24 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,052.11 | 1/4 | 2,832.81 | 1/4 | 2,612.46 | 1/4 | 2,370.94 | 1/4 | 2,114.94 | 1/4 | 1,858.93 | 1/4 | 1,602.90 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,047.54 | 1/2 | 2,828.24 | 1/2 | 2,607.85 | 1/2 | 2,365.60 | 1/2 | 2,109.61 | 1/2 | 1,853.60 | 1/2 | 1,597.57 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,042.97 | 3/4 | 2,823.67 | 3/4 | 2,603.24 | 3/4 | 2,360.27 | 3/4 | 2,104.28 | 3/4 | 1,848.26 | 3/4 | 1,592.23 |
| 6 | | 6 | | 6 | | 6 | 3,038.40 | 6 | 2,819.11 | 6 | 2,598.63 | 6 | 2,354.94 | 6 | 2,098.94 | 6 | 1,842.93 | 6 | 1,586.90 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,033.84 | 1/4 | 2,814.54 | 1/4 | 2,594.02 | 1/4 | 2,349.60 | 1/4 | 2,093.61 | 1/4 | 1,837.59 | 1/4 | 1,581.57 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,029.27 | 1/2 | 2,809.97 | 1/2 | 2,589.41 | 1/2 | 2,344.27 | 1/2 | 2,088.28 | 1/2 | 1,832.26 | 1/2 | 1,576.23 |
| 3/4 | | 3/4 | | 3/4 | 3,221.20 | 3/4 | 3,024.70 | 3/4 | 2,805.40 | 3/4 | 2,584.80 | 3/4 | 2,338.94 | 3/4 | 2,082.94 | 3/4 | 1,826.93 | 3/4 | 1,570.90 |
| 7 | | 7 | | 7 | 3,220.84 | 7 | 3,020.13 | 7 | 2,800.83 | 7 | 2,580.19 | 7 | 2,333.60 | 7 | 2,077.61 | 7 | 1,821.59 | 7 | 1,565.56 |
| 1/4 | | 1/4 | | 1/4 | 3,220.47 | 1/4 | 3,015.56 | 1/4 | 2,796.26 | 1/4 | 2,575.58 | 1/4 | 2,328.27 | 1/4 | 2,072.28 | 1/4 | 1,816.26 | 1/4 | 1,560.23 |
| 1/2 | | 1/2 | | 1/2 | 3,218.78 | 1/2 | 3,010.99 | 1/2 | 2,791.69 | 1/2 | 2,570.97 | 1/2 | 2,322.94 | 1/2 | 2,066.94 | 1/2 | 1,810.92 | 1/2 | 1,554.90 |
| 3/4 | | 3/4 | | 3/4 | 3,217.08 | 3/4 | 3,006.42 | 3/4 | 2,787.13 | 3/4 | 2,566.36 | 3/4 | 2,317.60 | 3/4 | 2,061.61 | 3/4 | 1,805.59 | 3/4 | 1,549.56 |
| 8 | | 8 | | 8 | 3,215.38 | 8 | 3,001.85 | 8 | 2,782.56 | 8 | 2,561.75 | 8 | 2,312.27 | 8 | 2,056.28 | 8 | 1,800.26 | 8 | 1,544.23 |
| 1/4 | | 1/4 | | 1/4 | 3,213.69 | 1/4 | 2,997.29 | 1/4 | 2,777.99 | 1/4 | 2,557.14 | 1/4 | 2,306.94 | 1/4 | 2,050.94 | 1/4 | 1,794.92 | 1/4 | 1,538.90 |
| 1/2 | | 1/2 | | 1/2 | 3,210.21 | 1/2 | 2,992.72 | 1/2 | 2,773.42 | 1/2 | 2,552.53 | 1/2 | 2,301.60 | 1/2 | 2,045.61 | 1/2 | 1,789.59 | 1/2 | 1,533.56 |
| 3/4 | | 3/4 | | 3/4 | 3,206.73 | 3/4 | 2,988.15 | 3/4 | 2,768.85 | 3/4 | 2,547.92 | 3/4 | 2,296.27 | 3/4 | 2,040.28 | 3/4 | 1,784.25 | 3/4 | 1,528.23 |
| 9 | | 9 | | 9 | 3,203.26 | 9 | 2,983.58 | 9 | 2,764.28 | 9 | 2,543.31 | 9 | 2,290.94 | 9 | 2,034.94 | 9 | 1,778.92 | 9 | 1,522.89 |
| 1/4 | | 1/4 | | 1/4 | 3,199.78 | 1/4 | 2,979.01 | 1/4 | 2,759.71 | 1/4 | 2,538.70 | 1/4 | 2,285.60 | 1/4 | 2,029.61 | 1/4 | 1,773.59 | 1/4 | 1,517.56 |
| 1/2 | | 1/2 | | 1/2 | 3,194.75 | 1/2 | 2,974.44 | 1/2 | 2,755.14 | 1/2 | 2,534.09 | 1/2 | 2,280.27 | 1/2 | 2,024.28 | 1/2 | 1,768.25 | 1/2 | 1,512.23 |
| 3/4 | | 3/4 | | 3/4 | 3,189.72 | 3/4 | 2,969.87 | 3/4 | 2,750.58 | 3/4 | 2,529.48 | 3/4 | 2,274.94 | 3/4 | 2,018.94 | 3/4 | 1,762.92 | 3/4 | 1,506.89 |
| 10 | | 10 | | 10 | 3,184.68 | 10 | 2,965.30 | 10 | 2,746.01 | 10 | 2,524.87 | 10 | 2,269.61 | 10 | 2,013.61 | 10 | 1,757.58 | 10 | 1,501.56 |
| 1/4 | | 1/4 | | 1/4 | 3,179.65 | 1/4 | 2,960.74 | 1/4 | 2,741.44 | 1/4 | 2,520.27 | 1/4 | 2,264.27 | 1/4 | 2,008.28 | 1/4 | 1,752.25 | 1/4 | 1,496.22 |
| 1/2 | | 1/2 | | 1/2 | 3,175.12 | 1/2 | 2,956.17 | 1/2 | 2,736.85 | 1/2 | 2,514.93 | 1/2 | 2,258.94 | 1/2 | 2,002.94 | 1/2 | 1,746.92 | 1/2 | 1,490.89 |
| 3/4 | | 3/4 | | 3/4 | 3,170.59 | 3/4 | 2,951.60 | 3/4 | 2,732.26 | 3/4 | 2,509.60 | 3/4 | 2,253.61 | 3/4 | 1,997.61 | 3/4 | 1,741.58 | 3/4 | 1,485.56 |
| 11 | | 11 | | 11 | 3,166.06 | 11 | 2,947.03 | 11 | 2,727.67 | 11 | 2,504.27 | 11 | 2,248.27 | 11 | 1,992.28 | 11 | 1,736.25 | 11 | 1,480.22 |
| 1/4 | | 1/4 | | 1/4 | 3,161.53 | 1/4 | 2,942.46 | 1/4 | 2,723.08 | 1/4 | 2,498.93 | 1/4 | 2,242.94 | 1/4 | 1,986.94 | 1/4 | 1,730.92 | 1/4 | 1,474.89 |
| 1/2 | | 1/2 | | 1/2 | 3,157.00 | 1/2 | 2,937.89 | 1/2 | 2,718.47 | 1/2 | 2,493.60 | 1/2 | 2,237.61 | 1/2 | 1,981.61 | 1/2 | 1,725.58 | 1/2 | 1,469.55 |
| 3/4 | | 3/4 | | 3/4 | 3,152.47 | 3/4 | 2,933.32 | 3/4 | 2,713.86 | 3/4 | 2,488.27 | 3/4 | 2,232.27 | 3/4 | 1,976.27 | 3/4 | 1,720.25 | 3/4 | 1,464.22 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.**
**CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.**
**CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.**
**CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.**
**GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 22'-00" FORWARD OF AFT BULKHEAD.**

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

# BARGE "KIRBY 10071"

## 1 CENTER

### ULLAGE TABLE

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

**GAUGE HEIGHT 15'-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 | 1,458.89 | 0 | 1,202.86 | 0 | 946.83 | 0 | 695.32 | 0 | 441.17 | 0 | 185.01 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 1,453.55 | 1/4 | 1,197.53 | 1/4 | 941.50 | 1/4 | 690.16 | 1/4 | 435.84 | 1/4 | 179.68 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,448.22 | 1/2 | 1,192.19 | 1/2 | 936.16 | 1/2 | 684.99 | 1/2 | 430.50 | 1/2 | 174.34 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,442.88 | 3/4 | 1,186.86 | 3/4 | 930.83 | 3/4 | 679.83 | 3/4 | 425.16 | 3/4 | 169.00 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 1,437.55 | 1 | 1,181.52 | 1 | 925.50 | 1 | 674.66 | 1 | 419.83 | 1 | 163.67 | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 1,432.22 | 1/4 | 1,176.19 | 1/4 | 920.16 | 1/4 | 669.50 | 1/4 | 414.49 | 1/4 | 158.33 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,426.88 | 1/2 | 1,170.86 | 1/2 | 914.83 | 1/2 | 664.33 | 1/2 | 409.15 | 1/2 | 152.99 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,421.55 | 3/4 | 1,165.52 | 3/4 | 909.49 | 3/4 | 659.17 | 3/4 | 403.82 | 3/4 | 147.66 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 1,416.22 | 2 | 1,160.19 | 2 | 904.16 | 2 | 654.01 | 2 | 398.48 | 2 | 142.32 | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 1,410.88 | 1/4 | 1,154.85 | 1/4 | 898.83 | 1/4 | 648.84 | 1/4 | 393.14 | 1/4 | 136.98 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,405.55 | 1/2 | 1,149.52 | 1/2 | 893.49 | 1/2 | 643.54 | 1/2 | 387.81 | 1/2 | 131.65 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,400.21 | 3/4 | 1,144.19 | 3/4 | 888.16 | 3/4 | 638.24 | 3/4 | 382.47 | 3/4 | 126.31 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 1,394.88 | 3 | 1,138.85 | 3 | 882.83 | 3 | 632.95 | 3 | 377.13 | 3 | 120.97 | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 1,389.55 | 1/4 | 1,133.52 | 1/4 | 877.49 | 1/4 | 627.65 | 1/4 | 371.80 | 1/4 | 115.64 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,384.21 | 1/2 | 1,128.18 | 1/2 | 872.16 | 1/2 | 622.35 | 1/2 | 366.46 | 1/2 | 110.30 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,378.88 | 3/4 | 1,122.85 | 3/4 | 866.82 | 3/4 | 617.05 | 3/4 | 361.12 | 3/4 | 104.96 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 1,373.54 | 4 | 1,117.52 | 4 | 861.49 | 4 | 611.75 | 4 | 355.79 | 4 | 99.63 | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 1,368.21 | 1/4 | 1,112.18 | 1/4 | 856.16 | 1/4 | 606.46 | 1/4 | 350.45 | 1/4 | 94.29 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,362.88 | 1/2 | 1,106.85 | 1/2 | 850.95 | 1/2 | 601.16 | 1/2 | 345.11 | 1/2 | 88.95 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,357.54 | 3/4 | 1,101.52 | 3/4 | 845.75 | 3/4 | 595.86 | 3/4 | 339.78 | 3/4 | 83.62 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 1,352.21 | 5 | 1,096.18 | 5 | 840.55 | 5 | 590.56 | 5 | 334.44 | 5 | 78.28 | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 1,346.87 | 1/4 | 1,090.85 | 1/4 | 835.35 | 1/4 | 585.26 | 1/4 | 329.10 | 1/4 | 72.94 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,341.54 | 1/2 | 1,085.51 | 1/2 | 830.15 | 1/2 | 579.93 | 1/2 | 323.77 | 1/2 | 67.94 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,336.21 | 3/4 | 1,080.18 | 3/4 | 824.95 | 3/4 | 574.59 | 3/4 | 318.43 | 3/4 | 62.93 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 1,330.87 | 6 | 1,074.85 | 6 | 819.75 | 6 | 569.25 | 6 | 313.09 | 6 | 57.93 | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 1,325.54 | 1/4 | 1,069.51 | 1/4 | 814.55 | 1/4 | 563.92 | 1/4 | 307.76 | 1/4 | 52.92 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,320.21 | 1/2 | 1,064.18 | 1/2 | 809.35 | 1/2 | 558.58 | 1/2 | 302.42 | 1/2 | 47.83 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,314.87 | 3/4 | 1,058.84 | 3/4 | 804.15 | 3/4 | 553.24 | 3/4 | 297.08 | 3/4 | 42.73 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 1,309.54 | 7 | 1,053.51 | 7 | 798.94 | 7 | 547.91 | 7 | 291.75 | 7 | 37.63 | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 1,304.20 | 1/4 | 1,048.18 | 1/4 | 793.74 | 1/4 | 542.57 | 1/4 | 286.41 | 1/4 | 32.54 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,298.87 | 1/2 | 1,042.84 | 1/2 | 788.54 | 1/2 | 537.23 | 1/2 | 281.07 | 1/2 | 27.77 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,293.54 | 3/4 | 1,037.51 | 3/4 | 783.34 | 3/4 | 531.90 | 3/4 | 275.74 | 3/4 | 22.99 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 1,288.20 | 8 | 1,032.17 | 8 | 778.14 | 8 | 526.56 | 8 | 270.40 | 8 | 18.22 | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 1,282.87 | 1/4 | 1,026.84 | 1/4 | 772.94 | 1/4 | 521.22 | 1/4 | 265.06 | 1/4 | 13.44 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,277.53 | 1/2 | 1,021.51 | 1/2 | 767.74 | 1/2 | 515.89 | 1/2 | 259.73 | 1/2 | 10.33 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,272.20 | 3/4 | 1,016.17 | 3/4 | 762.54 | 3/4 | 510.55 | 3/4 | 254.39 | 3/4 | 7.21 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 1,266.87 | 9 | 1,010.84 | 9 | 757.33 | 9 | 505.21 | 9 | 249.05 | 9 | 4.09 | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 1,261.53 | 1/4 | 1,005.51 | 1/4 | 752.13 | 1/4 | 499.88 | 1/4 | 243.72 | 1/4 | 0.97 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,256.20 | 1/2 | 1,000.17 | 1/2 | 746.97 | 1/2 | 494.54 | 1/2 | 238.38 | 1/2 | 0.84 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,250.86 | 3/4 | 994.84 | 3/4 | 741.80 | 3/4 | 489.20 | 3/4 | 233.04 | 3/4 | 0.71 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 1,245.53 | 10 | 989.50 | 10 | 736.64 | 10 | 483.87 | 10 | 227.71 | 10 | 0.59 | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 1,240.20 | 1/4 | 984.17 | 1/4 | 731.47 | 1/4 | 478.53 | 1/4 | 222.37 | 1/4 | 0.46 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,234.86 | 1/2 | 978.84 | 1/2 | 726.31 | 1/2 | 473.19 | 1/2 | 217.03 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,229.53 | 3/4 | 973.50 | 3/4 | 721.15 | 3/4 | 467.86 | 3/4 | 211.70 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 1,224.19 | 11 | 968.17 | 11 | 715.98 | 11 | 462.52 | 11 | 206.36 | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 1,218.86 | 1/4 | 962.83 | 1/4 | 710.82 | 1/4 | 457.18 | 1/4 | 201.02 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,213.53 | 1/2 | 957.50 | 1/2 | 705.65 | 1/2 | 451.85 | 1/2 | 195.69 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,208.19 | 3/4 | 952.17 | 3/4 | 700.49 | 3/4 | 446.51 | 3/4 | 190.35 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**STRAPPED: 02/06/2007 CL - SW**
**CALCULATED: 02/07/2007 CL**
**PRINTED: 02/07/2007 CL**

**CANCELS AND SUPERCEDES**
**ALL PRIOR TO 02/2007**

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

# BARGE "KIRBY 10071"

## 2 CENTER

### ULLAGE TABLE

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

GAUGE HEIGHT 15'-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 | 3,656.62 | 0 | 3,371.66 | 0 | 3,086.28 | 0 | 2,798.63 | 0 | 2,510.98 | 0 | 2,223.31 | 0 | 1,935.61 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,650.70 | 1/4 | 3,365.72 | 1/4 | 3,080.29 | 1/4 | 2,792.64 | 1/4 | 2,504.98 | 1/4 | 2,217.32 | 1/4 | 1,929.61 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,644.78 | 1/2 | 3,359.78 | 1/2 | 3,074.30 | 1/2 | 2,786.64 | 1/2 | 2,498.99 | 1/2 | 2,211.32 | 1/2 | 1,923.62 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,638.86 | 3/4 | 3,353.84 | 3/4 | 3,068.31 | 3/4 | 2,780.65 | 3/4 | 2,493.00 | 3/4 | 2,205.33 | 3/4 | 1,917.62 |
| 1 | | 1 | | 1 | | 1 | 3,632.94 | 1 | 3,347.90 | 1 | 3,062.31 | 1 | 2,774.66 | 1 | 2,487.00 | 1 | 2,199.34 | 1 | 1,911.63 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,627.00 | 1/4 | 3,341.96 | 1/4 | 3,056.32 | 1/4 | 2,768.67 | 1/4 | 2,481.01 | 1/4 | 2,193.34 | 1/4 | 1,905.64 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,621.06 | 1/2 | 3,336.03 | 1/2 | 3,050.33 | 1/2 | 2,762.67 | 1/2 | 2,475.02 | 1/2 | 2,187.35 | 1/2 | 1,899.64 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,615.13 | 3/4 | 3,330.09 | 3/4 | 3,044.33 | 3/4 | 2,756.68 | 3/4 | 2,469.03 | 3/4 | 2,181.35 | 3/4 | 1,893.65 |
| 2 | | 2 | | 2 | | 2 | 3,609.19 | 2 | 3,324.15 | 2 | 3,038.34 | 2 | 2,750.69 | 2 | 2,463.03 | 2 | 2,175.36 | 2 | 1,887.65 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,603.25 | 1/4 | 3,318.21 | 1/4 | 3,032.35 | 1/4 | 2,744.69 | 1/4 | 2,457.04 | 1/4 | 2,169.37 | 1/4 | 1,881.66 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,597.31 | 1/2 | 3,312.27 | 1/2 | 3,026.36 | 1/2 | 2,738.70 | 1/2 | 2,451.05 | 1/2 | 2,163.37 | 1/2 | 1,875.67 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,591.37 | 3/4 | 3,306.33 | 3/4 | 3,020.36 | 3/4 | 2,732.71 | 3/4 | 2,445.05 | 3/4 | 2,157.38 | 3/4 | 1,869.67 |
| 3 | | 3 | | 3 | | 3 | 3,585.43 | 3 | 3,300.40 | 3 | 3,014.37 | 3 | 2,726.72 | 3 | 2,439.06 | 3 | 2,151.39 | 3 | 1,863.68 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,579.50 | 1/4 | 3,294.46 | 1/4 | 3,008.38 | 1/4 | 2,720.72 | 1/4 | 2,433.07 | 1/4 | 2,145.39 | 1/4 | 1,857.68 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,573.56 | 1/2 | 3,288.52 | 1/2 | 3,002.39 | 1/2 | 2,714.73 | 1/2 | 2,427.08 | 1/2 | 2,139.40 | 1/2 | 1,851.69 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,567.62 | 3/4 | 3,282.58 | 3/4 | 2,996.39 | 3/4 | 2,708.74 | 3/4 | 2,421.08 | 3/4 | 2,133.40 | 3/4 | 1,845.70 |
| 4 | | 4 | | 4 | | 4 | 3,561.68 | 4 | 3,276.64 | 4 | 2,990.40 | 4 | 2,702.75 | 4 | 2,415.09 | 4 | 2,127.41 | 4 | 1,839.70 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,555.74 | 1/4 | 3,270.70 | 1/4 | 2,984.41 | 1/4 | 2,696.75 | 1/4 | 2,409.10 | 1/4 | 2,121.42 | 1/4 | 1,833.71 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,549.80 | 1/2 | 3,264.77 | 1/2 | 2,978.41 | 1/2 | 2,690.76 | 1/2 | 2,403.11 | 1/2 | 2,115.42 | 1/2 | 1,827.71 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,543.87 | 3/4 | 3,258.83 | 3/4 | 2,972.42 | 3/4 | 2,684.77 | 3/4 | 2,397.11 | 3/4 | 2,109.43 | 3/4 | 1,821.72 |
| 5 | | 5 | | 5 | | 5 | 3,537.93 | 5 | 3,252.89 | 5 | 2,966.43 | 5 | 2,678.77 | 5 | 2,391.12 | 5 | 2,103.43 | 5 | 1,815.73 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,531.99 | 1/4 | 3,246.95 | 1/4 | 2,960.44 | 1/4 | 2,672.78 | 1/4 | 2,385.13 | 1/4 | 2,097.44 | 1/4 | 1,809.73 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,526.05 | 1/2 | 3,241.01 | 1/2 | 2,954.44 | 1/2 | 2,666.79 | 1/2 | 2,379.13 | 1/2 | 2,091.45 | 1/2 | 1,803.74 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,520.11 | 3/4 | 3,235.07 | 3/4 | 2,948.45 | 3/4 | 2,660.80 | 3/4 | 2,373.14 | 3/4 | 2,085.45 | 3/4 | 1,797.75 |
| 6 | | 6 | | 6 | | 6 | 3,514.18 | 6 | 3,229.14 | 6 | 2,942.46 | 6 | 2,654.80 | 6 | 2,367.15 | 6 | 2,079.46 | 6 | 1,791.75 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,508.24 | 1/4 | 3,223.20 | 1/4 | 2,936.46 | 1/4 | 2,648.81 | 1/4 | 2,361.16 | 1/4 | 2,073.46 | 1/4 | 1,785.76 |
| 1/2 | | 1/2 | | 1/2 | 3,750.43 | 1/2 | 3,502.30 | 1/2 | 3,217.26 | 1/2 | 2,930.47 | 1/2 | 2,642.82 | 1/2 | 2,355.16 | 1/2 | 2,067.47 | 1/2 | 1,779.76 |
| 3/4 | | 3/4 | | 3/4 | 3,750.02 | 3/4 | 3,496.36 | 3/4 | 3,211.32 | 3/4 | 2,924.48 | 3/4 | 2,636.82 | 3/4 | 2,349.17 | 3/4 | 2,061.48 | 3/4 | 1,773.77 |
| 7 | | 7 | | 7 | 3,749.62 | 7 | 3,490.42 | 7 | 3,205.38 | 7 | 2,918.49 | 7 | 2,630.83 | 7 | 2,343.18 | 7 | 2,055.48 | 7 | 1,767.78 |
| 1/4 | | 1/4 | | 1/4 | 3,747.72 | 1/4 | 3,484.48 | 1/4 | 3,199.45 | 1/4 | 2,912.49 | 1/4 | 2,624.84 | 1/4 | 2,337.18 | 1/4 | 2,049.49 | 1/4 | 1,761.78 |
| 1/2 | | 1/2 | | 1/2 | 3,745.81 | 1/2 | 3,478.55 | 1/2 | 3,193.51 | 1/2 | 2,906.50 | 1/2 | 2,618.85 | 1/2 | 2,331.19 | 1/2 | 2,043.50 | 1/2 | 1,755.79 |
| 3/4 | | 3/4 | | 3/4 | 3,743.91 | 3/4 | 3,472.61 | 3/4 | 3,187.57 | 3/4 | 2,900.51 | 3/4 | 2,612.85 | 3/4 | 2,325.20 | 3/4 | 2,037.50 | 3/4 | 1,749.79 |
| 8 | | 8 | | 8 | 3,742.01 | 8 | 3,466.67 | 8 | 3,181.63 | 8 | 2,894.51 | 8 | 2,606.86 | 8 | 2,319.21 | 8 | 2,031.51 | 8 | 1,743.80 |
| 1/4 | | 1/4 | | 1/4 | 3,738.10 | 1/4 | 3,460.73 | 1/4 | 3,175.69 | 1/4 | 2,888.52 | 1/4 | 2,600.87 | 1/4 | 2,313.21 | 1/4 | 2,025.51 | 1/4 | 1,737.81 |
| 1/2 | | 1/2 | | 1/2 | 3,734.20 | 1/2 | 3,454.79 | 1/2 | 3,169.75 | 1/2 | 2,882.53 | 1/2 | 2,594.87 | 1/2 | 2,307.22 | 1/2 | 2,019.52 | 1/2 | 1,731.81 |
| 3/4 | | 3/4 | | 3/4 | 3,730.30 | 3/4 | 3,448.85 | 3/4 | 3,163.82 | 3/4 | 2,876.54 | 3/4 | 2,588.88 | 3/4 | 2,301.23 | 3/4 | 2,013.53 | 3/4 | 1,725.82 |
| 9 | | 9 | | 9 | 3,726.40 | 9 | 3,442.92 | 9 | 3,157.88 | 9 | 2,870.54 | 9 | 2,582.89 | 9 | 2,295.23 | 9 | 2,007.53 | 9 | 1,719.82 |
| 1/4 | | 1/4 | | 1/4 | 3,720.75 | 1/4 | 3,436.98 | 1/4 | 3,151.94 | 1/4 | 2,864.55 | 1/4 | 2,576.90 | 1/4 | 2,289.24 | 1/4 | 2,001.54 | 1/4 | 1,713.83 |
| 1/2 | | 1/2 | | 1/2 | 3,715.11 | 1/2 | 3,431.04 | 1/2 | 3,146.00 | 1/2 | 2,858.56 | 1/2 | 2,570.90 | 1/2 | 2,283.25 | 1/2 | 1,995.54 | 1/2 | 1,707.84 |
| 3/4 | | 3/4 | | 3/4 | 3,709.46 | 3/4 | 3,425.10 | 3/4 | 3,140.06 | 3/4 | 2,852.57 | 3/4 | 2,564.91 | 3/4 | 2,277.26 | 3/4 | 1,989.55 | 3/4 | 1,701.84 |
| 10 | | 10 | | 10 | 3,703.81 | 10 | 3,419.16 | 10 | 3,134.12 | 10 | 2,846.57 | 10 | 2,558.92 | 10 | 2,271.26 | 10 | 1,983.56 | 10 | 1,695.85 |
| 1/4 | | 1/4 | | 1/4 | 3,697.91 | 1/4 | 3,413.22 | 1/4 | 3,128.16 | 1/4 | 2,840.58 | 1/4 | 2,552.93 | 1/4 | 2,265.27 | 1/4 | 1,977.56 | 1/4 | 1,689.86 |
| 1/2 | | 1/2 | | 1/2 | 3,692.01 | 1/2 | 3,407.29 | 1/2 | 3,122.19 | 1/2 | 2,834.59 | 1/2 | 2,546.93 | 1/2 | 2,259.28 | 1/2 | 1,971.57 | 1/2 | 1,683.86 |
| 3/4 | | 3/4 | | 3/4 | 3,686.12 | 3/4 | 3,401.35 | 3/4 | 3,116.22 | 3/4 | 2,828.59 | 3/4 | 2,540.94 | 3/4 | 2,253.28 | 3/4 | 1,965.57 | 3/4 | 1,677.87 |
| 11 | | 11 | | 11 | 3,680.22 | 11 | 3,395.41 | 11 | 3,110.26 | 11 | 2,822.60 | 11 | 2,534.95 | 11 | 2,247.29 | 11 | 1,959.58 | 11 | 1,671.87 |
| 1/4 | | 1/4 | | 1/4 | 3,674.32 | 1/4 | 3,389.47 | 1/4 | 3,104.26 | 1/4 | 2,816.61 | 1/4 | 2,528.95 | 1/4 | 2,241.29 | 1/4 | 1,953.59 | 1/4 | 1,665.88 |
| 1/2 | | 1/2 | | 1/2 | 3,668.42 | 1/2 | 3,383.53 | 1/2 | 3,098.27 | 1/2 | 2,810.62 | 1/2 | 2,522.96 | 1/2 | 2,235.30 | 1/2 | 1,947.59 | 1/2 | 1,659.89 |
| 3/4 | | 3/4 | | 3/4 | 3,662.52 | 3/4 | 3,377.59 | 3/4 | 3,092.28 | 3/4 | 2,804.62 | 3/4 | 2,516.97 | 3/4 | 2,229.31 | 3/4 | 1,941.60 | 3/4 | 1,653.89 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.**
**CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.**
**CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.**
**CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.**
**GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 28'-03" FORWARD OF AFT BULKHEAD.**

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

# BARGE "KIRBY 10071"

## 2 CENTER

### ULLAGE TABLE

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

**GAUGE HEIGHT 15'-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 | 1,647.90 | 0 | 1,360.19 | 0 | 1,072.48 | 0 | 788.19 | 0 | 503.94 | 0 | 216.24 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 1,641.90 | 1/4 | 1,354.20 | 1/4 | 1,066.49 | 1/4 | 782.37 | 1/4 | 497.94 | 1/4 | 210.24 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,635.91 | 1/2 | 1,348.20 | 1/2 | 1,060.50 | 1/2 | 776.55 | 1/2 | 491.95 | 1/2 | 204.25 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,629.92 | 3/4 | 1,342.21 | 3/4 | 1,054.50 | 3/4 | 770.73 | 3/4 | 485.96 | 3/4 | 198.25 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 1,623.92 | 1 | 1,336.22 | 1 | 1,048.51 | 1 | 764.91 | 1 | 479.96 | 1 | 192.26 | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 1,617.93 | 1/4 | 1,330.22 | 1/4 | 1,042.51 | 1/4 | 759.09 | 1/4 | 473.97 | 1/4 | 186.27 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,611.93 | 1/2 | 1,324.23 | 1/2 | 1,036.52 | 1/2 | 753.26 | 1/2 | 467.97 | 1/2 | 180.27 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,605.94 | 3/4 | 1,318.23 | 3/4 | 1,030.53 | 3/4 | 747.44 | 3/4 | 461.98 | 3/4 | 174.28 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 1,599.95 | 2 | 1,312.24 | 2 | 1,024.53 | 2 | 741.62 | 2 | 455.99 | 2 | 168.28 | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 1,593.95 | 1/4 | 1,306.25 | 1/4 | 1,018.54 | 1/4 | 735.80 | 1/4 | 449.99 | 1/4 | 162.29 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,587.96 | 1/2 | 1,300.25 | 1/2 | 1,012.54 | 1/2 | 729.98 | 1/2 | 444.00 | 1/2 | 156.30 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,581.96 | 3/4 | 1,294.26 | 3/4 | 1,006.55 | 3/4 | 724.16 | 3/4 | 438.01 | 3/4 | 150.30 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 1,575.97 | 3 | 1,288.26 | 3 | 1,000.56 | 3 | 718.34 | 3 | 432.01 | 3 | 144.31 | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 1,569.98 | 1/4 | 1,282.27 | 1/4 | 994.56 | 1/4 | 712.51 | 1/4 | 426.02 | 1/4 | 138.32 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,563.98 | 1/2 | 1,276.28 | 1/2 | 988.57 | 1/2 | 706.69 | 1/2 | 420.02 | 1/2 | 132.32 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,557.99 | 3/4 | 1,270.28 | 3/4 | 982.57 | 3/4 | 700.87 | 3/4 | 414.03 | 3/4 | 126.33 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 1,552.00 | 4 | 1,264.29 | 4 | 976.58 | 4 | 695.05 | 4 | 408.04 | 4 | 120.33 | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 1,546.00 | 1/4 | 1,258.29 | 1/4 | 970.59 | 1/4 | 689.23 | 1/4 | 402.04 | 1/4 | 114.34 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,540.01 | 1/2 | 1,252.30 | 1/2 | 964.59 | 1/2 | 683.41 | 1/2 | 396.05 | 1/2 | 108.35 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,534.01 | 3/4 | 1,246.31 | 3/4 | 958.60 | 3/4 | 677.59 | 3/4 | 390.06 | 3/4 | 102.35 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 1,528.02 | 5 | 1,240.31 | 5 | 952.61 | 5 | 671.76 | 5 | 384.06 | 5 | 96.36 | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 1,522.03 | 1/4 | 1,234.32 | 1/4 | 946.61 | 1/4 | 665.77 | 1/4 | 378.07 | 1/4 | 90.37 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,516.03 | 1/2 | 1,228.32 | 1/2 | 940.62 | 1/2 | 659.78 | 1/2 | 372.07 | 1/2 | 84.37 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,510.04 | 3/4 | 1,222.33 | 3/4 | 934.62 | 3/4 | 653.78 | 3/4 | 366.08 | 3/4 | 78.38 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 1,504.04 | 6 | 1,216.34 | 6 | 928.63 | 6 | 647.79 | 6 | 360.09 | 6 | 72.38 | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 1,498.05 | 1/4 | 1,210.34 | 1/4 | 922.64 | 1/4 | 641.79 | 1/4 | 354.09 | 1/4 | 66.39 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,492.06 | 1/2 | 1,204.35 | 1/2 | 916.64 | 1/2 | 635.80 | 1/2 | 348.10 | 1/2 | 60.40 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,486.06 | 3/4 | 1,198.36 | 3/4 | 910.65 | 3/4 | 629.81 | 3/4 | 342.10 | 3/4 | 54.40 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 1,480.07 | 7 | 1,192.36 | 7 | 904.65 | 7 | 623.81 | 7 | 336.11 | 7 | 48.41 | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 1,474.07 | 1/4 | 1,186.37 | 1/4 | 898.83 | 1/4 | 617.82 | 1/4 | 330.12 | 1/4 | 42.41 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,468.08 | 1/2 | 1,180.37 | 1/2 | 893.00 | 1/2 | 611.83 | 1/2 | 324.12 | 1/2 | 36.42 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,462.09 | 3/4 | 1,174.38 | 3/4 | 887.18 | 3/4 | 605.83 | 3/4 | 318.13 | 3/4 | 30.43 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 1,456.09 | 8 | 1,168.39 | 8 | 881.35 | 8 | 599.84 | 8 | 312.14 | 8 | 24.43 | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 1,450.10 | 1/4 | 1,162.39 | 1/4 | 875.53 | 1/4 | 593.84 | 1/4 | 306.14 | 1/4 | 19.94 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,444.11 | 1/2 | 1,156.40 | 1/2 | 869.70 | 1/2 | 587.85 | 1/2 | 300.15 | 1/2 | 15.44 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,438.11 | 3/4 | 1,150.40 | 3/4 | 863.88 | 3/4 | 581.86 | 3/4 | 294.15 | 3/4 | 10.95 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 1,432.12 | 9 | 1,144.41 | 9 | 858.05 | 9 | 575.86 | 9 | 288.16 | 9 | 6.45 | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 1,426.12 | 1/4 | 1,138.42 | 1/4 | 852.23 | 1/4 | 569.87 | 1/4 | 282.17 | 1/4 | 4.95 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,420.13 | 1/2 | 1,132.42 | 1/2 | 846.41 | 1/2 | 563.88 | 1/2 | 276.17 | 1/2 | 3.46 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,414.14 | 3/4 | 1,126.43 | 3/4 | 840.59 | 3/4 | 557.88 | 3/4 | 270.18 | 3/4 | 1.96 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 1,408.14 | 10 | 1,120.43 | 10 | 834.77 | 10 | 551.89 | 10 | 264.19 | 10 | 0.46 | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 1,402.15 | 1/4 | 1,114.44 | 1/4 | 828.94 | 1/4 | 545.89 | 1/4 | 258.19 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,396.15 | 1/2 | 1,108.45 | 1/2 | 823.12 | 1/2 | 539.90 | 1/2 | 252.20 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,390.16 | 3/4 | 1,102.45 | 3/4 | 817.30 | 3/4 | 533.91 | 3/4 | 246.20 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 1,384.17 | 11 | 1,096.46 | 11 | 811.48 | 11 | 527.91 | 11 | 240.21 | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 1,378.17 | 1/4 | 1,090.47 | 1/4 | 805.66 | 1/4 | 521.92 | 1/4 | 234.22 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,372.18 | 1/2 | 1,084.47 | 1/2 | 799.84 | 1/2 | 515.93 | 1/2 | 228.22 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,366.18 | 3/4 | 1,078.48 | 3/4 | 794.02 | 3/4 | 509.93 | 3/4 | 222.23 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**STRAPPED: 02/06/2007 CL - SW**
**CALCULATED: 02/07/2007 CL**
**PRINTED: 02/07/2007 CL**

**CANCELS AND SUPERCEDES**
**ALL PRIOR TO 02/2007**

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

# BARGE "KIRBY 10071"

## 3 CENTER
### ULLAGE TABLE

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

**GAUGE HEIGHT 15'-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 | 3,285.50 | 0 | 3,030.71 | 0 | 2,775.60 | 0 | 2,518.37 | 0 | 2,261.15 | 0 | 2,003.92 | 0 | 1,746.64 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,280.22 | 1/4 | 3,025.40 | 1/4 | 2,770.24 | 1/4 | 2,513.02 | 1/4 | 2,255.79 | 1/4 | 1,998.56 | 1/4 | 1,741.28 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,274.95 | 1/2 | 3,020.09 | 1/2 | 2,764.88 | 1/2 | 2,507.66 | 1/2 | 2,250.43 | 1/2 | 1,993.20 | 1/2 | 1,735.92 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,269.66 | 3/4 | 3,014.78 | 3/4 | 2,759.52 | 3/4 | 2,502.30 | 3/4 | 2,245.08 | 3/4 | 1,987.84 | 3/4 | 1,730.56 |
| 1 | | 1 | | 1 | | 1 | 3,264.37 | 1 | 3,009.47 | 1 | 2,754.16 | 1 | 2,496.94 | 1 | 2,239.72 | 1 | 1,982.48 | 1 | 1,725.20 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,259.08 | 1/4 | 3,004.16 | 1/4 | 2,748.80 | 1/4 | 2,491.58 | 1/4 | 2,234.36 | 1/4 | 1,977.12 | 1/4 | 1,719.84 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,253.78 | 1/2 | 2,998.85 | 1/2 | 2,743.44 | 1/2 | 2,486.22 | 1/2 | 2,229.00 | 1/2 | 1,971.76 | 1/2 | 1,714.48 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,248.47 | 3/4 | 2,993.54 | 3/4 | 2,738.09 | 3/4 | 2,480.86 | 3/4 | 2,223.64 | 3/4 | 1,966.40 | 3/4 | 1,709.12 |
| 2 | | 2 | | 2 | | 2 | 3,243.16 | 2 | 2,988.22 | 2 | 2,732.73 | 2 | 2,475.50 | 2 | 2,218.28 | 2 | 1,961.04 | 2 | 1,703.76 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,237.85 | 1/4 | 2,982.91 | 1/4 | 2,727.37 | 1/4 | 2,470.15 | 1/4 | 2,212.92 | 1/4 | 1,955.68 | 1/4 | 1,698.40 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,232.54 | 1/2 | 2,977.60 | 1/2 | 2,722.01 | 1/2 | 2,464.79 | 1/2 | 2,207.56 | 1/2 | 1,950.32 | 1/2 | 1,693.04 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,227.23 | 3/4 | 2,972.29 | 3/4 | 2,716.65 | 3/4 | 2,459.43 | 3/4 | 2,202.21 | 3/4 | 1,944.96 | 3/4 | 1,687.68 |
| 3 | | 3 | | 3 | | 3 | 3,221.92 | 3 | 2,966.98 | 3 | 2,711.29 | 3 | 2,454.07 | 3 | 2,196.85 | 3 | 1,939.60 | 3 | 1,682.32 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,216.61 | 1/4 | 2,961.67 | 1/4 | 2,705.93 | 1/4 | 2,448.71 | 1/4 | 2,191.49 | 1/4 | 1,934.24 | 1/4 | 1,676.96 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,211.30 | 1/2 | 2,956.36 | 1/2 | 2,700.57 | 1/2 | 2,443.35 | 1/2 | 2,186.13 | 1/2 | 1,928.88 | 1/2 | 1,671.60 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,205.98 | 3/4 | 2,951.05 | 3/4 | 2,695.22 | 3/4 | 2,437.99 | 3/4 | 2,180.77 | 3/4 | 1,923.52 | 3/4 | 1,666.24 |
| 4 | | 4 | | 4 | | 4 | 3,200.67 | 4 | 2,945.74 | 4 | 2,689.86 | 4 | 2,432.63 | 4 | 2,175.41 | 4 | 1,918.16 | 4 | 1,660.88 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,195.36 | 1/4 | 2,940.42 | 1/4 | 2,684.50 | 1/4 | 2,427.28 | 1/4 | 2,170.05 | 1/4 | 1,912.80 | 1/4 | 1,655.52 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,190.05 | 1/2 | 2,935.11 | 1/2 | 2,679.14 | 1/2 | 2,421.92 | 1/2 | 2,164.69 | 1/2 | 1,907.44 | 1/2 | 1,650.16 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,184.74 | 3/4 | 2,929.80 | 3/4 | 2,673.78 | 3/4 | 2,416.56 | 3/4 | 2,159.34 | 3/4 | 1,902.08 | 3/4 | 1,644.80 |
| 5 | | 5 | | 5 | | 5 | 3,179.43 | 5 | 2,924.49 | 5 | 2,668.42 | 5 | 2,411.20 | 5 | 2,153.98 | 5 | 1,896.72 | 5 | 1,639.44 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,174.12 | 1/4 | 2,919.18 | 1/4 | 2,663.06 | 1/4 | 2,405.84 | 1/4 | 2,148.62 | 1/4 | 1,891.36 | 1/4 | 1,634.08 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,168.81 | 1/2 | 2,913.87 | 1/2 | 2,657.70 | 1/2 | 2,400.48 | 1/2 | 2,143.26 | 1/2 | 1,886.00 | 1/2 | 1,628.72 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,163.49 | 3/4 | 2,908.56 | 3/4 | 2,652.34 | 3/4 | 2,395.12 | 3/4 | 2,137.90 | 3/4 | 1,880.64 | 3/4 | 1,623.36 |
| 6 | | 6 | | 6 | | 6 | 3,158.18 | 6 | 2,903.25 | 6 | 2,646.99 | 6 | 2,389.76 | 6 | 2,132.54 | 6 | 1,875.28 | 6 | 1,618.00 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,152.87 | 1/4 | 2,897.93 | 1/4 | 2,641.63 | 1/4 | 2,384.40 | 1/4 | 2,127.18 | 1/4 | 1,869.92 | 1/4 | 1,612.64 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,147.56 | 1/2 | 2,892.62 | 1/2 | 2,636.27 | 1/2 | 2,379.05 | 1/2 | 2,121.82 | 1/2 | 1,864.56 | 1/2 | 1,607.28 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,142.25 | 3/4 | 2,887.31 | 3/4 | 2,630.91 | 3/4 | 2,373.69 | 3/4 | 2,116.46 | 3/4 | 1,859.20 | 3/4 | 1,601.92 |
| 7 | | 7 | | 7 | 3,358.78 | 7 | 3,136.94 | 7 | 2,882.00 | 7 | 2,625.55 | 7 | 2,368.33 | 7 | 2,111.11 | 7 | 1,853.84 | 7 | 1,596.56 |
| 1/4 | | 1/4 | | 1/4 | 3,358.42 | 1/4 | 3,131.63 | 1/4 | 2,876.69 | 1/4 | 2,620.19 | 1/4 | 2,362.97 | 1/4 | 2,105.75 | 1/4 | 1,848.48 | 1/4 | 1,591.20 |
| 1/2 | | 1/2 | | 1/2 | 3,358.06 | 1/2 | 3,126.32 | 1/2 | 2,871.38 | 1/2 | 2,614.83 | 1/2 | 2,357.61 | 1/2 | 2,100.39 | 1/2 | 1,843.12 | 1/2 | 1,585.84 |
| 3/4 | | 3/4 | | 3/4 | 3,356.36 | 3/4 | 3,121.00 | 3/4 | 2,866.07 | 3/4 | 2,609.47 | 3/4 | 2,352.25 | 3/4 | 2,095.03 | 3/4 | 1,837.76 | 3/4 | 1,580.48 |
| 8 | | 8 | | 8 | 3,354.67 | 8 | 3,115.69 | 8 | 2,860.76 | 8 | 2,604.12 | 8 | 2,346.89 | 8 | 2,089.67 | 8 | 1,832.40 | 8 | 1,575.12 |
| 1/4 | | 1/4 | | 1/4 | 3,352.97 | 1/4 | 3,110.38 | 1/4 | 2,855.44 | 1/4 | 2,598.76 | 1/4 | 2,341.53 | 1/4 | 2,084.31 | 1/4 | 1,827.04 | 1/4 | 1,569.76 |
| 1/2 | | 1/2 | | 1/2 | 3,351.27 | 1/2 | 3,105.07 | 1/2 | 2,850.13 | 1/2 | 2,593.40 | 1/2 | 2,336.18 | 1/2 | 2,078.95 | 1/2 | 1,821.68 | 1/2 | 1,564.40 |
| 3/4 | | 3/4 | | 3/4 | 3,347.78 | 3/4 | 3,099.76 | 3/4 | 2,844.82 | 3/4 | 2,588.04 | 3/4 | 2,330.82 | 3/4 | 2,073.59 | 3/4 | 1,816.32 | 3/4 | 1,559.04 |
| 9 | | 9 | | 9 | 3,344.30 | 9 | 3,094.45 | 9 | 2,839.51 | 9 | 2,582.68 | 9 | 2,325.46 | 9 | 2,068.24 | 9 | 1,810.96 | 9 | 1,553.68 |
| 1/4 | | 1/4 | | 1/4 | 3,340.81 | 1/4 | 3,089.14 | 1/4 | 2,834.20 | 1/4 | 2,577.32 | 1/4 | 2,320.10 | 1/4 | 2,062.88 | 1/4 | 1,805.60 | 1/4 | 1,548.32 |
| 1/2 | | 1/2 | | 1/2 | 3,337.33 | 1/2 | 3,083.83 | 1/2 | 2,828.89 | 1/2 | 2,571.96 | 1/2 | 2,314.74 | 1/2 | 2,057.52 | 1/2 | 1,800.24 | 1/2 | 1,542.96 |
| 3/4 | | 3/4 | | 3/4 | 3,332.28 | 3/4 | 3,078.52 | 3/4 | 2,823.58 | 3/4 | 2,566.60 | 3/4 | 2,309.38 | 3/4 | 2,052.16 | 3/4 | 1,794.88 | 3/4 | 1,537.60 |
| 10 | | 10 | | 10 | 3,327.23 | 10 | 3,073.20 | 10 | 2,818.27 | 10 | 2,561.25 | 10 | 2,304.02 | 10 | 2,046.80 | 10 | 1,789.52 | 10 | 1,532.24 |
| 1/4 | | 1/4 | | 1/4 | 3,322.18 | 1/4 | 3,067.89 | 1/4 | 2,812.96 | 1/4 | 2,555.89 | 1/4 | 2,298.66 | 1/4 | 2,041.44 | 1/4 | 1,784.16 | 1/4 | 1,526.88 |
| 1/2 | | 1/2 | | 1/2 | 3,317.13 | 1/2 | 3,062.58 | 1/2 | 2,807.64 | 1/2 | 2,550.53 | 1/2 | 2,293.31 | 1/2 | 2,036.08 | 1/2 | 1,778.80 | 1/2 | 1,521.52 |
| 3/4 | | 3/4 | | 3/4 | 3,311.86 | 3/4 | 3,057.27 | 3/4 | 2,802.31 | 3/4 | 2,545.17 | 3/4 | 2,287.95 | 3/4 | 2,030.72 | 3/4 | 1,773.44 | 3/4 | 1,516.16 |
| 11 | | 11 | | 11 | 3,306.58 | 11 | 3,051.96 | 11 | 2,796.98 | 11 | 2,539.81 | 11 | 2,282.59 | 11 | 2,025.36 | 11 | 1,768.08 | 11 | 1,510.80 |
| 1/4 | | 1/4 | | 1/4 | 3,301.31 | 1/4 | 3,046.65 | 1/4 | 2,791.65 | 1/4 | 2,534.45 | 1/4 | 2,277.23 | 1/4 | 2,020.00 | 1/4 | 1,762.72 | 1/4 | 1,505.44 |
| 1/2 | | 1/2 | | 1/2 | 3,296.04 | 1/2 | 3,041.34 | 1/2 | 2,786.31 | 1/2 | 2,529.09 | 1/2 | 2,271.87 | 1/2 | 2,014.64 | 1/2 | 1,757.36 | 1/2 | 1,500.08 |
| 3/4 | | 3/4 | | 3/4 | 3,290.77 | 3/4 | 3,036.03 | 3/4 | 2,780.96 | 3/4 | 2,523.73 | 3/4 | 2,266.51 | 3/4 | 2,009.28 | 3/4 | 1,752.00 | 3/4 | 1,494.72 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.**
**CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.**
**CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.**
**CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.**
**GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 22'-06" FORWARD OF AFT BULKHEAD.**

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

# BARGE "KIRBY 10071"

## 3 CENTER
### ULLAGE TABLE

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

**GAUGE HEIGHT 15'-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 | 1,489.36 | 0 | 1,232.08 | 0 | 974.80 | 0 | 717.87 | 0 | 461.39 | 0 | 204.13 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 1,484.00 | 1/4 | 1,226.72 | 1/4 | 969.44 | 1/4 | 712.54 | 1/4 | 456.03 | 1/4 | 198.77 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,478.64 | 1/2 | 1,221.36 | 1/2 | 964.08 | 1/2 | 707.21 | 1/2 | 450.67 | 1/2 | 193.41 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,473.28 | 3/4 | 1,216.00 | 3/4 | 958.72 | 3/4 | 701.88 | 3/4 | 445.31 | 3/4 | 188.05 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 1,467.92 | 1 | 1,210.64 | 1 | 953.36 | 1 | 696.55 | 1 | 439.95 | 1 | 182.69 | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 1,462.56 | 1/4 | 1,205.28 | 1/4 | 948.00 | 1/4 | 691.22 | 1/4 | 434.59 | 1/4 | 177.33 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,457.20 | 1/2 | 1,199.92 | 1/2 | 942.64 | 1/2 | 685.88 | 1/2 | 429.23 | 1/2 | 171.97 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,451.84 | 3/4 | 1,194.56 | 3/4 | 937.28 | 3/4 | 680.55 | 3/4 | 423.88 | 3/4 | 166.61 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 1,446.48 | 2 | 1,189.20 | 2 | 931.92 | 2 | 675.22 | 2 | 418.52 | 2 | 161.25 | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 1,441.12 | 1/4 | 1,183.84 | 1/4 | 926.56 | 1/4 | 669.89 | 1/4 | 413.16 | 1/4 | 155.89 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,435.76 | 1/2 | 1,178.48 | 1/2 | 921.20 | 1/2 | 664.56 | 1/2 | 407.80 | 1/2 | 150.53 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,430.40 | 3/4 | 1,173.12 | 3/4 | 915.84 | 3/4 | 659.23 | 3/4 | 402.44 | 3/4 | 145.17 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 1,425.04 | 3 | 1,167.76 | 3 | 910.48 | 3 | 653.90 | 3 | 397.08 | 3 | 139.81 | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 1,419.68 | 1/4 | 1,162.40 | 1/4 | 905.12 | 1/4 | 648.57 | 1/4 | 391.72 | 1/4 | 134.45 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,414.32 | 1/2 | 1,157.04 | 1/2 | 899.76 | 1/2 | 643.24 | 1/2 | 386.36 | 1/2 | 129.09 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,408.96 | 3/4 | 1,151.68 | 3/4 | 894.40 | 3/4 | 637.91 | 3/4 | 381.00 | 3/4 | 123.73 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 1,403.60 | 4 | 1,146.32 | 4 | 889.04 | 4 | 632.58 | 4 | 375.64 | 4 | 118.37 | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 1,398.24 | 1/4 | 1,140.96 | 1/4 | 883.68 | 1/4 | 627.25 | 1/4 | 370.28 | 1/4 | 113.01 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,392.88 | 1/2 | 1,135.60 | 1/2 | 878.32 | 1/2 | 621.92 | 1/2 | 364.92 | 1/2 | 107.65 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,387.52 | 3/4 | 1,130.24 | 3/4 | 872.96 | 3/4 | 616.59 | 3/4 | 359.56 | 3/4 | 102.29 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 1,382.16 | 5 | 1,124.88 | 5 | 867.60 | 5 | 611.25 | 5 | 354.20 | 5 | 96.93 | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 1,376.80 | 1/4 | 1,119.52 | 1/4 | 862.24 | 1/4 | 605.92 | 1/4 | 348.84 | 1/4 | 91.57 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,371.44 | 1/2 | 1,114.16 | 1/2 | 856.88 | 1/2 | 600.59 | 1/2 | 343.48 | 1/2 | 86.21 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,366.08 | 3/4 | 1,108.80 | 3/4 | 851.52 | 3/4 | 595.26 | 3/4 | 338.12 | 3/4 | 80.85 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 1,360.72 | 6 | 1,103.44 | 6 | 846.16 | 6 | 589.92 | 6 | 332.76 | 6 | 75.49 | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 1,355.36 | 1/4 | 1,098.08 | 1/4 | 840.80 | 1/4 | 584.59 | 1/4 | 327.40 | 1/4 | 70.13 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,350.00 | 1/2 | 1,092.72 | 1/2 | 835.44 | 1/2 | 579.26 | 1/2 | 322.04 | 1/2 | 64.78 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,344.64 | 3/4 | 1,087.36 | 3/4 | 830.08 | 3/4 | 573.91 | 3/4 | 316.68 | 3/4 | 59.42 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 1,339.28 | 7 | 1,082.00 | 7 | 824.72 | 7 | 568.56 | 7 | 311.32 | 7 | 54.06 | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 1,333.92 | 1/4 | 1,076.64 | 1/4 | 819.36 | 1/4 | 563.21 | 1/4 | 305.96 | 1/4 | 48.70 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,328.56 | 1/2 | 1,071.28 | 1/2 | 814.00 | 1/2 | 557.87 | 1/2 | 300.60 | 1/2 | 43.34 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,323.20 | 3/4 | 1,065.92 | 3/4 | 808.64 | 3/4 | 552.51 | 3/4 | 295.24 | 3/4 | 37.98 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 1,317.84 | 8 | 1,060.56 | 8 | 803.28 | 8 | 547.15 | 8 | 289.88 | 8 | 32.62 | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 1,312.48 | 1/4 | 1,055.20 | 1/4 | 797.92 | 1/4 | 541.79 | 1/4 | 284.52 | 1/4 | 27.26 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,307.12 | 1/2 | 1,049.84 | 1/2 | 792.56 | 1/2 | 536.43 | 1/2 | 279.16 | 1/2 | 21.90 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,301.76 | 3/4 | 1,044.48 | 3/4 | 787.22 | 3/4 | 531.07 | 3/4 | 273.80 | 3/4 | 17.88 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 1,296.40 | 9 | 1,039.12 | 9 | 781.87 | 9 | 525.71 | 9 | 268.44 | 9 | 13.86 | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 1,291.04 | 1/4 | 1,033.76 | 1/4 | 776.52 | 1/4 | 520.35 | 1/4 | 263.08 | 1/4 | 9.84 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,285.68 | 1/2 | 1,028.40 | 1/2 | 771.18 | 1/2 | 514.99 | 1/2 | 257.72 | 1/2 | 5.82 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,280.32 | 3/4 | 1,023.04 | 3/4 | 765.84 | 3/4 | 509.63 | 3/4 | 252.36 | 3/4 | 4.48 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 1,274.96 | 10 | 1,017.68 | 10 | 760.51 | 10 | 504.27 | 10 | 247.01 | 10 | 3.14 | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 1,269.60 | 1/4 | 1,012.32 | 1/4 | 755.18 | 1/4 | 498.91 | 1/4 | 241.65 | 1/4 | 1.80 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,264.24 | 1/2 | 1,006.96 | 1/2 | 749.85 | 1/2 | 493.55 | 1/2 | 236.29 | 1/2 | 0.46 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,258.88 | 3/4 | 1,001.60 | 3/4 | 744.52 | 3/4 | 488.19 | 3/4 | 230.93 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 1,253.52 | 11 | 996.24 | 11 | 739.19 | 11 | 482.83 | 11 | 225.57 | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 1,248.16 | 1/4 | 990.88 | 1/4 | 733.86 | 1/4 | 477.47 | 1/4 | 220.21 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,242.80 | 1/2 | 985.52 | 1/2 | 728.53 | 1/2 | 472.11 | 1/2 | 214.85 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,237.44 | 3/4 | 980.16 | 3/4 | 723.20 | 3/4 | 466.75 | 3/4 | 209.49 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**STRAPPED: 02/06/2007 CL - SW**
**CALCULATED: 02/07/2007 CL**
**PRINTED: 02/07/2007 CL**

**CANCELS AND SUPERCEDES**
**ALL PRIOR TO 02/2007**

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