



# BARGE "CTCO 356B"

## 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 | 00-1/4     | - 00-1/4     | 00-3/8     | - 00-3/8     | 00-5/8     | - 00-5/8     | 00-7/8     | - 00-7/8     | 01-1/8     | - 01-1/8     | 01-1/4     | - 01-1/4     |
| 1 STBD | 00-1/4     | - 00-1/4     | 00-3/8     | - 00-3/8     | 00-5/8     | - 00-5/8     | 00-7/8     | - 00-7/8     | 01-1/8     | - 01-1/8     | 01-1/4     | - 01-1/4     |
| 2 PORT | 00-1/4     | - 00-1/4     | 00-3/8     | - 00-3/8     | 00-5/8     | - 00-5/8     | 00-7/8     | - 00-7/8     | 01-0/8     | - 01-0/8     | 01-1/4     | - 01-1/4     |
| 2 STBD | 00-1/4     | - 00-1/4     | 00-3/8     | - 00-3/8     | 00-5/8     | - 00-5/8     | 00-7/8     | - 00-7/8     | 01-0/8     | - 01-0/8     | 01-1/4     | - 01-1/4     |
| 3 PORT | 00-1/4     | - 00-1/4     | 00-3/8     | - 00-3/8     | 00-5/8     | - 00-5/8     | 00-7/8     | - 00-7/8     | 01-0/8     | - 01-0/8     | 01-1/4     | - 01-1/4     |
| 3 STBD | 00-1/4     | - 00-1/4     | 00-3/8     | - 00-3/8     | 00-5/8     | - 00-5/8     | 00-3/4     | - 00-3/4     | 01-0/8     | - 01-0/8     | 01-1/4     | - 01-1/4     |

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-3/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 5/8"

LENGTH BETWEEN DRAFT MARKS: 275'-03"

March 12, 2015

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

<http://www.pmacorp.net>



# BARGE "CTCo 356B"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-11"

| 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   | 5,253.62 | 0   | 4,920.89 | 0   | 4,579.25 | 0   | 4,219.40 | 0   | 3,842.66 | 0   | 3,455.93 | 0   | 3,069.11 | 0   | 2,682.28 | 0   | 2,295.45 |
| 1/4 |       | 1/4 | 5,248.48 | 1/4 | 4,914.01 | 1/4 | 4,571.94 | 1/4 | 4,211.72 | 1/4 | 3,834.63 | 1/4 | 3,447.87 | 1/4 | 3,061.05 | 1/4 | 2,674.22 | 1/4 | 2,287.39 |
| 1/2 |       | 1/2 | 5,243.35 | 1/2 | 4,907.14 | 1/2 | 4,564.62 | 1/2 | 4,204.03 | 1/2 | 3,826.59 | 1/2 | 3,439.82 | 1/2 | 3,052.99 | 1/2 | 2,666.16 | 1/2 | 2,279.33 |
| 3/4 |       | 3/4 | 5,238.21 | 3/4 | 4,900.27 | 3/4 | 4,557.31 | 3/4 | 4,196.35 | 3/4 | 3,818.55 | 3/4 | 3,431.76 | 3/4 | 3,044.93 | 3/4 | 2,658.10 | 3/4 | 2,271.27 |
| 1   |       | 1   | 5,233.08 | 1   | 4,893.40 | 1   | 4,549.99 | 1   | 4,188.66 | 1   | 3,810.51 | 1   | 3,423.70 | 1   | 3,036.87 | 1   | 2,650.04 | 1   | 2,263.22 |
| 1/4 |       | 1/4 | 5,225.93 | 1/4 | 4,886.40 | 1/4 | 4,542.64 | 1/4 | 4,180.95 | 1/4 | 3,802.46 | 1/4 | 3,415.64 | 1/4 | 3,028.81 | 1/4 | 2,641.98 | 1/4 | 2,255.16 |
| 1/2 |       | 1/2 | 5,218.77 | 1/2 | 4,879.40 | 1/2 | 4,535.30 | 1/2 | 4,173.24 | 1/2 | 3,794.40 | 1/2 | 3,407.58 | 1/2 | 3,020.75 | 1/2 | 2,633.93 | 1/2 | 2,247.10 |
| 3/4 |       | 3/4 | 5,211.62 | 3/4 | 4,872.40 | 3/4 | 4,527.96 | 3/4 | 4,165.52 | 3/4 | 3,786.35 | 3/4 | 3,399.52 | 3/4 | 3,012.69 | 3/4 | 2,625.87 | 3/4 | 2,239.04 |
| 2   |       | 2   | 5,204.47 | 2   | 4,865.40 | 2   | 4,520.61 | 2   | 4,157.81 | 2   | 3,778.29 | 2   | 3,391.46 | 2   | 3,004.63 | 2   | 2,617.81 | 2   | 2,230.98 |
| 1/4 |       | 1/4 | 5,196.82 | 1/4 | 4,858.37 | 1/4 | 4,513.24 | 1/4 | 4,150.07 | 1/4 | 3,770.23 | 1/4 | 3,383.40 | 1/4 | 2,996.58 | 1/4 | 2,609.75 | 1/4 | 2,222.92 |
| 1/2 |       | 1/2 | 5,189.16 | 1/2 | 4,851.34 | 1/2 | 4,505.86 | 1/2 | 4,142.33 | 1/2 | 3,762.17 | 1/2 | 3,375.34 | 1/2 | 2,988.52 | 1/2 | 2,601.69 | 1/2 | 2,214.86 |
| 3/4 |       | 3/4 | 5,181.51 | 3/4 | 4,844.31 | 3/4 | 4,498.49 | 3/4 | 4,134.59 | 3/4 | 3,754.11 | 3/4 | 3,367.29 | 3/4 | 2,980.46 | 3/4 | 2,593.63 | 3/4 | 2,206.80 |
| 3   |       | 3   | 5,173.85 | 3   | 4,837.28 | 3   | 4,491.12 | 3   | 4,126.85 | 3   | 3,746.05 | 3   | 3,359.23 | 3   | 2,972.40 | 3   | 2,585.57 | 3   | 2,198.74 |
| 1/4 |       | 1/4 | 5,166.20 | 1/4 | 4,830.22 | 1/4 | 4,483.69 | 1/4 | 4,119.07 | 1/4 | 3,737.99 | 1/4 | 3,351.17 | 1/4 | 2,964.34 | 1/4 | 2,577.51 | 1/4 | 2,190.69 |
| 1/2 |       | 1/2 | 5,158.54 | 1/2 | 4,823.16 | 1/2 | 4,476.26 | 1/2 | 4,111.29 | 1/2 | 3,729.94 | 1/2 | 3,343.11 | 1/2 | 2,956.28 | 1/2 | 2,569.45 | 1/2 | 2,182.63 |
| 3/4 |       | 3/4 | 5,150.89 | 3/4 | 4,816.11 | 3/4 | 4,468.84 | 3/4 | 4,103.51 | 3/4 | 3,721.88 | 3/4 | 3,335.05 | 3/4 | 2,948.22 | 3/4 | 2,561.40 | 3/4 | 2,174.57 |
| 4   |       | 4   | 5,143.23 | 4   | 4,809.05 | 4   | 4,461.41 | 4   | 4,095.74 | 4   | 3,713.82 | 4   | 3,326.99 | 4   | 2,940.16 | 4   | 2,553.34 | 4   | 2,166.51 |
| 1/4 |       | 1/4 | 5,135.60 | 1/4 | 4,801.96 | 1/4 | 4,453.94 | 1/4 | 4,087.93 | 1/4 | 3,705.76 | 1/4 | 3,318.93 | 1/4 | 2,932.10 | 1/4 | 2,545.28 | 1/4 | 2,158.45 |
| 1/2 |       | 1/2 | 5,127.97 | 1/2 | 4,794.87 | 1/2 | 4,446.48 | 1/2 | 4,080.12 | 1/2 | 3,697.70 | 1/2 | 3,310.87 | 1/2 | 2,924.05 | 1/2 | 2,537.22 | 1/2 | 2,150.39 |
| 3/4 |       | 3/4 | 5,120.35 | 3/4 | 4,787.79 | 3/4 | 4,439.01 | 3/4 | 4,072.31 | 3/4 | 3,689.64 | 3/4 | 3,302.81 | 3/4 | 2,915.99 | 3/4 | 2,529.16 | 3/4 | 2,142.33 |
| 5   |       | 5   | 5,112.72 | 5   | 4,780.70 | 5   | 4,431.55 | 5   | 4,064.50 | 5   | 3,681.58 | 5   | 3,294.76 | 5   | 2,907.93 | 5   | 2,521.10 | 5   | 2,134.27 |
| 1/4 |       | 1/4 | 5,105.10 | 1/4 | 4,773.58 | 1/4 | 4,424.06 | 1/4 | 4,056.67 | 1/4 | 3,673.52 | 1/4 | 3,286.70 | 1/4 | 2,899.87 | 1/4 | 2,513.04 | 1/4 | 2,126.21 |
| 1/2 |       | 1/2 | 5,097.47 | 1/2 | 4,766.47 | 1/2 | 4,416.56 | 1/2 | 4,048.83 | 1/2 | 3,665.46 | 1/2 | 3,278.64 | 1/2 | 2,891.81 | 1/2 | 2,504.98 | 1/2 | 2,118.16 |
| 3/4 |       | 3/4 | 5,089.85 | 3/4 | 4,759.35 | 3/4 | 4,409.07 | 3/4 | 4,040.99 | 3/4 | 3,657.41 | 3/4 | 3,270.58 | 3/4 | 2,883.75 | 3/4 | 2,496.92 | 3/4 | 2,110.10 |
| 6   |       | 6   | 5,082.23 | 6   | 4,752.24 | 6   | 4,401.58 | 6   | 4,033.16 | 6   | 3,649.35 | 6   | 3,262.52 | 6   | 2,875.69 | 6   | 2,488.87 | 6   | 2,102.04 |
| 1/4 |       | 1/4 | 5,074.61 | 1/4 | 4,745.10 | 1/4 | 4,394.06 | 1/4 | 4,025.29 | 1/4 | 3,641.29 | 1/4 | 3,254.46 | 1/4 | 2,867.63 | 1/4 | 2,480.81 | 1/4 | 2,093.98 |
| 1/2 |       | 1/2 | 5,066.99 | 1/2 | 4,737.96 | 1/2 | 4,386.53 | 1/2 | 4,017.42 | 1/2 | 3,633.23 | 1/2 | 3,246.40 | 1/2 | 2,859.57 | 1/2 | 2,472.75 | 1/2 | 2,085.92 |
| 3/4 |       | 3/4 | 5,059.37 | 3/4 | 4,730.83 | 3/4 | 4,379.01 | 3/4 | 4,009.56 | 3/4 | 3,625.17 | 3/4 | 3,238.34 | 3/4 | 2,851.52 | 3/4 | 2,464.69 | 3/4 | 2,077.86 |
| 7   |       | 7   | 5,051.75 | 7   | 4,723.69 | 7   | 4,371.49 | 7   | 4,001.69 | 7   | 3,617.11 | 7   | 3,230.28 | 7   | 2,843.46 | 7   | 2,456.63 | 7   | 2,069.80 |
| 1/4 |       | 1/4 | 5,045.02 | 1/4 | 4,716.53 | 1/4 | 4,363.94 | 1/4 | 3,993.80 | 1/4 | 3,609.05 | 1/4 | 3,222.23 | 1/4 | 2,835.40 | 1/4 | 2,448.57 | 1/4 | 2,061.74 |
| 1/2 |       | 1/2 | 5,038.29 | 1/2 | 4,709.36 | 1/2 | 4,356.39 | 1/2 | 3,985.91 | 1/2 | 3,600.99 | 1/2 | 3,214.17 | 1/2 | 2,827.34 | 1/2 | 2,440.51 | 1/2 | 2,053.68 |
| 3/4 |       | 3/4 | 5,031.56 | 3/4 | 4,702.20 | 3/4 | 4,348.84 | 3/4 | 3,978.01 | 3/4 | 3,592.93 | 3/4 | 3,206.11 | 3/4 | 2,819.28 | 3/4 | 2,432.45 | 3/4 | 2,045.63 |
| 8   |       | 8   | 5,024.83 | 8   | 4,695.04 | 8   | 4,341.29 | 8   | 3,970.12 | 8   | 3,584.88 | 8   | 3,198.05 | 8   | 2,811.22 | 8   | 2,424.39 | 8   | 2,037.57 |
| 1/4 |       | 1/4 | 5,018.38 | 1/4 | 4,687.85 | 1/4 | 4,333.71 | 1/4 | 3,962.19 | 1/4 | 3,576.82 | 1/4 | 3,189.99 | 1/4 | 2,803.16 | 1/4 | 2,416.34 | 1/4 | 2,029.51 |
| 1/2 |       | 1/2 | 5,011.92 | 1/2 | 4,680.65 | 1/2 | 4,326.13 | 1/2 | 3,954.27 | 1/2 | 3,568.76 | 1/2 | 3,181.93 | 1/2 | 2,795.10 | 1/2 | 2,408.28 | 1/2 | 2,021.45 |
| 3/4 |       | 3/4 | 5,005.47 | 3/4 | 4,673.46 | 3/4 | 4,318.55 | 3/4 | 3,946.35 | 3/4 | 3,560.70 | 3/4 | 3,173.87 | 3/4 | 2,787.04 | 3/4 | 2,400.22 | 3/4 | 2,013.39 |
| 9   |       | 9   | 4,999.02 | 9   | 4,666.27 | 9   | 4,310.97 | 9   | 3,938.42 | 9   | 3,552.64 | 9   | 3,165.81 | 9   | 2,778.99 | 9   | 2,392.16 | 9   | 2,005.33 |
| 1/4 |       | 1/4 | 4,992.53 | 1/4 | 4,659.05 | 1/4 | 4,303.36 | 1/4 | 3,930.47 | 1/4 | 3,544.58 | 1/4 | 3,157.75 | 1/4 | 2,770.93 | 1/4 | 2,384.10 | 1/4 | 1,997.27 |
| 1/2 |       | 1/2 | 4,986.05 | 1/2 | 4,651.83 | 1/2 | 4,295.76 | 1/2 | 3,922.52 | 1/2 | 3,536.52 | 1/2 | 3,149.70 | 1/2 | 2,762.87 | 1/2 | 2,376.04 | 1/2 | 1,989.21 |
| 3/4 |       | 3/4 | 4,979.57 | 3/4 | 4,644.61 | 3/4 | 4,288.15 | 3/4 | 3,914.57 | 3/4 | 3,528.46 | 3/4 | 3,141.64 | 3/4 | 2,754.81 | 3/4 | 2,367.98 | 3/4 | 1,981.15 |
| 10  |       | 10  | 4,973.09 | 10  | 4,637.39 | 10  | 4,280.54 | 10  | 3,906.62 | 10  | 3,520.40 | 10  | 3,133.58 | 10  | 2,746.75 | 10  | 2,359.92 | 10  | 1,973.10 |
| 1/4 |       | 1/4 | 4,966.58 | 1/4 | 4,630.14 | 1/4 | 4,272.91 | 1/4 | 3,898.64 | 1/4 | 3,512.35 | 1/4 | 3,125.52 | 1/4 | 2,738.69 | 1/4 | 2,351.86 | 1/4 | 1,965.04 |
| 1/2 |       | 1/2 | 4,960.07 | 1/2 | 4,622.89 | 1/2 | 4,265.28 | 1/2 | 3,890.66 | 1/2 | 3,504.29 | 1/2 | 3,117.46 | 1/2 | 2,730.63 | 1/2 | 2,343.81 | 1/2 | 1,956.98 |
| 3/4 |       | 3/4 | 4,953.55 | 3/4 | 4,615.64 | 3/4 | 4,257.65 | 3/4 | 3,882.68 | 3/4 | 3,496.23 | 3/4 | 3,109.40 | 3/4 | 2,722.57 | 3/4 | 2,335.75 | 3/4 | 1,948.92 |
| 11  |       | 11  | 4,947.04 | 11  | 4,608.39 | 11  | 4,250.02 | 11  | 3,874.70 | 11  | 3,488.17 | 11  | 3,101.34 | 11  | 2,714.51 | 11  | 2,327.69 | 11  | 1,940.86 |
| 1/4 |       | 1/4 | 4,940.50 | 1/4 | 4,601.11 | 1/4 | 4,242.37 | 1/4 | 3,866.69 | 1/4 | 3,480.11 | 1/4 | 3,093.28 | 1/4 | 2,706.46 | 1/4 | 2,319.63 | 1/4 | 1,932.80 |
| 1/2 |       | 1/2 | 4,933.96 | 1/2 | 4,593.82 | 1/2 | 4,234.71 | 1/2 | 3,858.68 | 1/2 | 3,472.05 | 1/2 | 3,085.22 | 1/2 | 2,698.40 | 1/2 | 2,311.57 | 1/2 | 1,924.74 |
| 3/4 |       | 3/4 | 4,927.43 | 3/4 | 4,586.54 | 3/4 | 4,227.06 | 3/4 | 3,850.67 | 3/4 | 3,463.99 | 3/4 | 3,077.16 | 3/4 | 2,690.34 | 3/4 | 2,303.51 | 3/4 | 1,916.68 |

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 TO TOP LIP OF 2" HERMETIC VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD.

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



# BARGE "CTCo 356B"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-11"

| 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   | 1,908.62 | 0   | 1,521.80 | 0   | 1,134.97 | 0   | 748.71 | 0   | 363.05 | 0   |        | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 1,900.57 | 1/4 | 1,513.74 | 1/4 | 1,126.91 | 1/4 | 740.69 | 1/4 | 354.99 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,892.51 | 1/2 | 1,505.68 | 1/2 | 1,118.85 | 1/2 | 732.67 | 1/2 | 346.93 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,884.45 | 3/4 | 1,497.62 | 3/4 | 1,110.79 | 3/4 | 724.65 | 3/4 | 338.87 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 1,876.39 | 1   | 1,489.56 | 1   | 1,102.73 | 1   | 716.63 | 1   | 330.81 | 1   |        | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 1,868.33 | 1/4 | 1,481.50 | 1/4 | 1,094.68 | 1/4 | 708.61 | 1/4 | 322.75 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,860.27 | 1/2 | 1,473.44 | 1/2 | 1,086.62 | 1/2 | 700.59 | 1/2 | 314.69 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,852.21 | 3/4 | 1,465.38 | 3/4 | 1,078.56 | 3/4 | 692.57 | 3/4 | 306.64 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 1,844.15 | 2   | 1,457.33 | 2   | 1,070.50 | 2   | 684.56 | 2   | 298.58 | 2   |        | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 1,836.09 | 1/4 | 1,449.27 | 1/4 | 1,062.44 | 1/4 | 676.54 | 1/4 | 290.52 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,828.04 | 1/2 | 1,441.21 | 1/2 | 1,054.38 | 1/2 | 668.52 | 1/2 | 282.46 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,819.98 | 3/4 | 1,433.15 | 3/4 | 1,046.32 | 3/4 | 660.50 | 3/4 | 274.40 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 1,811.92 | 3   | 1,425.09 | 3   | 1,038.26 | 3   | 652.48 | 3   | 266.34 | 3   |        | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 1,803.86 | 1/4 | 1,417.03 | 1/4 | 1,030.20 | 1/4 | 644.46 | 1/4 | 258.28 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,795.80 | 1/2 | 1,408.97 | 1/2 | 1,022.15 | 1/2 | 636.44 | 1/2 | 250.22 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,787.74 | 3/4 | 1,400.91 | 3/4 | 1,014.09 | 3/4 | 628.42 | 3/4 | 242.17 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 1,779.68 | 4   | 1,392.85 | 4   | 1,006.03 | 4   | 620.41 | 4   | 234.11 | 4   |        | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 1,771.62 | 1/4 | 1,384.80 | 1/4 | 997.97   | 1/4 | 612.39 | 1/4 | 226.05 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,763.56 | 1/2 | 1,376.74 | 1/2 | 989.91   | 1/2 | 604.37 | 1/2 | 217.99 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,755.51 | 3/4 | 1,368.68 | 3/4 | 981.85   | 3/4 | 596.35 | 3/4 | 209.93 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 1,747.45 | 5   | 1,360.62 | 5   | 973.79   | 5   | 588.33 | 5   | 201.87 | 5   |        | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 1,739.39 | 1/4 | 1,352.56 | 1/4 | 965.73   | 1/4 | 580.30 | 1/4 | 193.81 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,731.33 | 1/2 | 1,344.50 | 1/2 | 957.67   | 1/2 | 572.28 | 1/2 | 185.75 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,723.27 | 3/4 | 1,336.44 | 3/4 | 949.62   | 3/4 | 564.25 | 3/4 | 177.70 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 1,715.21 | 6   | 1,328.38 | 6   | 941.56   | 6   | 556.23 | 6   | 169.64 | 6   |        | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 1,707.15 | 1/4 | 1,320.32 | 1/4 | 933.50   | 1/4 | 548.20 | 1/4 | 161.58 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,699.09 | 1/2 | 1,312.27 | 1/2 | 925.44   | 1/2 | 540.16 | 1/2 | 153.52 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,691.03 | 3/4 | 1,304.21 | 3/4 | 917.38   | 3/4 | 532.13 | 3/4 | 145.46 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 1,682.98 | 7   | 1,296.15 | 7   | 909.32   | 7   | 524.10 | 7   | 137.40 | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 1,674.92 | 1/4 | 1,288.09 | 1/4 | 901.26   | 1/4 | 516.06 | 1/4 | 129.34 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,666.86 | 1/2 | 1,280.03 | 1/2 | 893.20   | 1/2 | 508.03 | 1/2 | 121.29 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,658.80 | 3/4 | 1,271.97 | 3/4 | 885.14   | 3/4 | 499.99 | 3/4 | 113.23 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 1,650.74 | 8   | 1,263.91 | 8   | 877.09   | 8   | 491.96 | 8   | 105.17 | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 1,642.68 | 1/4 | 1,255.85 | 1/4 | 869.05   | 1/4 | 483.91 | 1/4 | 97.11  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,634.62 | 1/2 | 1,247.79 | 1/2 | 861.02   | 1/2 | 475.86 | 1/2 | 89.05  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,626.56 | 3/4 | 1,239.74 | 3/4 | 852.98   | 3/4 | 467.80 | 3/4 | 80.99  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 1,618.50 | 9   | 1,231.68 | 9   | 844.95   | 9   | 459.75 | 9   | 72.93  | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 1,610.45 | 1/4 | 1,223.62 | 1/4 | 836.93   | 1/4 | 451.69 | 1/4 | 65.83  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,602.39 | 1/2 | 1,215.56 | 1/2 | 828.91   | 1/2 | 443.63 | 1/2 | 58.33  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,594.33 | 3/4 | 1,207.50 | 3/4 | 820.88   | 3/4 | 435.57 | 3/4 | 51.02  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 1,586.27 | 10  | 1,199.44 | 10  | 812.86   | 10  | 427.52 | 10  | 43.72  | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 1,578.21 | 1/4 | 1,191.38 | 1/4 | 804.84   | 1/4 | 419.46 | 1/4 | 38.18  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,570.15 | 1/2 | 1,183.32 | 1/2 | 796.82   | 1/2 | 411.40 | 1/2 | 32.64  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,562.09 | 3/4 | 1,175.26 | 3/4 | 788.80   | 3/4 | 403.34 | 3/4 | 27.10  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 1,554.03 | 11  | 1,167.21 | 11  | 780.78   | 11  | 395.28 | 11  | 21.55  | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 1,545.97 | 1/4 | 1,159.15 | 1/4 | 772.77   | 1/4 | 387.22 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,537.92 | 1/2 | 1,151.09 | 1/2 | 764.75   | 1/2 | 379.16 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,529.86 | 3/4 | 1,143.03 | 3/4 | 756.73   | 3/4 | 371.10 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/11/2015 CL  
CALCULATED: 03/11/2015 CL  
PRINTED: 03/12/2015 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2015

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



# BARGE "CTCo 356B"

# 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 3/4"

| 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   | 5,251.27 | 0   | 4,916.72 | 0   | 4,574.57 | 0   | 4,214.25 | 0   | 3,837.04 | 0   | 3,450.20 | 0   | 3,063.23 | 0   | 2,676.27 | 0   | 2,289.31 |
| 1/4 |       | 1/4 | 5,246.13 | 1/4 | 4,909.85 | 1/4 | 4,567.25 | 1/4 | 4,206.56 | 1/4 | 3,829.00 | 1/4 | 3,442.13 | 1/4 | 3,055.17 | 1/4 | 2,668.21 | 1/4 | 2,281.25 |
| 1/2 |       | 1/2 | 5,240.99 | 1/2 | 4,902.98 | 1/2 | 4,559.93 | 1/2 | 4,198.88 | 1/2 | 3,820.96 | 1/2 | 3,434.07 | 1/2 | 3,047.11 | 1/2 | 2,660.15 | 1/2 | 2,273.19 |
| 3/4 |       | 3/4 | 5,235.86 | 3/4 | 4,896.10 | 3/4 | 4,552.62 | 3/4 | 4,191.19 | 3/4 | 3,812.92 | 3/4 | 3,426.01 | 3/4 | 3,039.05 | 3/4 | 2,652.09 | 3/4 | 2,265.13 |
| 1   |       | 1   | 5,228.70 | 1   | 4,889.10 | 1   | 4,545.27 | 1   | 4,183.48 | 1   | 3,804.87 | 1   | 3,417.95 | 1   | 3,030.99 | 1   | 2,644.03 | 1   | 2,257.06 |
| 1/4 |       | 1/4 | 5,221.55 | 1/4 | 4,882.10 | 1/4 | 4,537.92 | 1/4 | 4,175.76 | 1/4 | 3,796.82 | 1/4 | 3,409.89 | 1/4 | 3,022.93 | 1/4 | 2,635.96 | 1/4 | 2,249.00 |
| 1/2 |       | 1/2 | 5,214.39 | 1/2 | 4,875.10 | 1/2 | 4,530.58 | 1/2 | 4,168.05 | 1/2 | 3,788.77 | 1/2 | 3,401.83 | 1/2 | 3,014.86 | 1/2 | 2,627.90 | 1/2 | 2,240.94 |
| 3/4 |       | 3/4 | 5,207.24 | 3/4 | 4,868.10 | 3/4 | 4,523.23 | 3/4 | 4,160.33 | 3/4 | 3,780.73 | 3/4 | 3,393.76 | 3/4 | 3,006.80 | 3/4 | 2,619.84 | 3/4 | 2,232.88 |
| 2   |       | 2   | 5,199.58 | 2   | 4,861.06 | 2   | 4,515.86 | 2   | 4,152.59 | 2   | 3,772.66 | 2   | 3,385.70 | 2   | 2,998.74 | 2   | 2,611.78 | 2   | 2,224.82 |
| 1/4 |       | 1/4 | 5,191.93 | 1/4 | 4,854.03 | 1/4 | 4,508.48 | 1/4 | 4,144.84 | 1/4 | 3,764.60 | 1/4 | 3,377.64 | 1/4 | 2,990.68 | 1/4 | 2,603.72 | 1/4 | 2,216.76 |
| 1/2 |       | 1/2 | 5,184.27 | 1/2 | 4,847.00 | 1/2 | 4,501.11 | 1/2 | 4,137.10 | 1/2 | 3,756.54 | 1/2 | 3,369.58 | 1/2 | 2,982.62 | 1/2 | 2,595.66 | 1/2 | 2,208.69 |
| 3/4 |       | 3/4 | 5,176.61 | 3/4 | 4,839.97 | 3/4 | 4,493.73 | 3/4 | 4,129.36 | 3/4 | 3,748.48 | 3/4 | 3,361.52 | 3/4 | 2,974.56 | 3/4 | 2,587.59 | 3/4 | 2,200.63 |
| 3   |       | 3   | 5,168.96 | 3   | 4,832.91 | 3   | 4,486.30 | 3   | 4,121.58 | 3   | 3,740.42 | 3   | 3,353.46 | 3   | 2,966.49 | 3   | 2,579.53 | 3   | 2,192.57 |
| 1/4 |       | 1/4 | 5,161.30 | 1/4 | 4,825.85 | 1/4 | 4,478.87 | 1/4 | 4,113.80 | 1/4 | 3,732.36 | 1/4 | 3,345.39 | 1/4 | 2,958.43 | 1/4 | 2,571.47 | 1/4 | 2,184.51 |
| 1/2 |       | 1/2 | 5,153.64 | 1/2 | 4,818.79 | 1/2 | 4,471.44 | 1/2 | 4,106.02 | 1/2 | 3,724.29 | 1/2 | 3,337.33 | 1/2 | 2,950.37 | 1/2 | 2,563.41 | 1/2 | 2,176.45 |
| 3/4 |       | 3/4 | 5,145.98 | 3/4 | 4,811.73 | 3/4 | 4,464.01 | 3/4 | 4,098.24 | 3/4 | 3,716.23 | 3/4 | 3,329.27 | 3/4 | 2,942.31 | 3/4 | 2,555.35 | 3/4 | 2,168.39 |
| 4   |       | 4   | 5,138.35 | 4   | 4,804.64 | 4   | 4,456.55 | 4   | 4,090.43 | 4   | 3,708.17 | 4   | 3,321.21 | 4   | 2,934.25 | 4   | 2,547.29 | 4   | 2,160.32 |
| 1/4 |       | 1/4 | 5,130.72 | 1/4 | 4,797.56 | 1/4 | 4,449.08 | 1/4 | 4,082.62 | 1/4 | 3,700.11 | 1/4 | 3,313.15 | 1/4 | 2,926.18 | 1/4 | 2,539.22 | 1/4 | 2,152.26 |
| 1/2 |       | 1/2 | 5,123.09 | 1/2 | 4,790.47 | 1/2 | 4,441.61 | 1/2 | 4,074.81 | 1/2 | 3,692.05 | 1/2 | 3,305.08 | 1/2 | 2,918.12 | 1/2 | 2,531.16 | 1/2 | 2,144.20 |
| 3/4 |       | 3/4 | 5,115.46 | 3/4 | 4,783.38 | 3/4 | 4,434.15 | 3/4 | 4,066.99 | 3/4 | 3,683.98 | 3/4 | 3,297.02 | 3/4 | 2,910.06 | 3/4 | 2,523.10 | 3/4 | 2,136.14 |
| 5   |       | 5   | 5,107.84 | 5   | 4,776.26 | 5   | 4,426.65 | 5   | 4,059.16 | 5   | 3,675.92 | 5   | 3,288.96 | 5   | 2,902.00 | 5   | 2,515.04 | 5   | 2,128.08 |
| 1/4 |       | 1/4 | 5,100.21 | 1/4 | 4,769.15 | 1/4 | 4,419.16 | 1/4 | 4,051.32 | 1/4 | 3,667.86 | 1/4 | 3,280.90 | 1/4 | 2,893.94 | 1/4 | 2,506.98 | 1/4 | 2,120.01 |
| 1/2 |       | 1/2 | 5,092.59 | 1/2 | 4,762.03 | 1/2 | 4,411.66 | 1/2 | 4,043.48 | 1/2 | 3,659.80 | 1/2 | 3,272.84 | 1/2 | 2,885.88 | 1/2 | 2,498.91 | 1/2 | 2,111.95 |
| 3/4 |       | 3/4 | 5,084.97 | 3/4 | 4,754.91 | 3/4 | 4,404.17 | 3/4 | 4,035.64 | 3/4 | 3,651.74 | 3/4 | 3,264.78 | 3/4 | 2,877.81 | 3/4 | 2,490.85 | 3/4 | 2,103.89 |
| 6   |       | 6   | 5,077.34 | 6   | 4,747.77 | 6   | 4,396.64 | 6   | 4,027.77 | 6   | 3,643.68 | 6   | 3,256.71 | 6   | 2,869.75 | 6   | 2,482.79 | 6   | 2,095.83 |
| 1/4 |       | 1/4 | 5,069.72 | 1/4 | 4,740.64 | 1/4 | 4,389.12 | 1/4 | 4,019.90 | 1/4 | 3,635.61 | 1/4 | 3,248.65 | 1/4 | 2,861.69 | 1/4 | 2,474.73 | 1/4 | 2,087.77 |
| 1/2 |       | 1/2 | 5,062.10 | 1/2 | 4,733.50 | 1/2 | 4,381.59 | 1/2 | 4,012.03 | 1/2 | 3,627.55 | 1/2 | 3,240.59 | 1/2 | 2,853.63 | 1/2 | 2,466.67 | 1/2 | 2,079.71 |
| 3/4 |       | 3/4 | 5,054.47 | 3/4 | 4,726.36 | 3/4 | 4,374.07 | 3/4 | 4,004.17 | 3/4 | 3,619.49 | 3/4 | 3,232.53 | 3/4 | 2,845.57 | 3/4 | 2,458.61 | 3/4 | 2,071.64 |
| 7   |       | 7   | 5,047.74 | 7   | 4,719.19 | 7   | 4,366.52 | 7   | 3,996.27 | 7   | 3,611.43 | 7   | 3,224.47 | 7   | 2,837.51 | 7   | 2,450.54 | 7   | 2,063.58 |
| 1/4 |       | 1/4 | 5,041.01 | 1/4 | 4,712.03 | 1/4 | 4,358.97 | 1/4 | 3,988.37 | 1/4 | 3,603.37 | 1/4 | 3,216.41 | 1/4 | 2,829.44 | 1/4 | 2,442.48 | 1/4 | 2,055.52 |
| 1/2 |       | 1/2 | 5,034.28 | 1/2 | 4,704.86 | 1/2 | 4,351.41 | 1/2 | 3,980.48 | 1/2 | 3,595.31 | 1/2 | 3,208.34 | 1/2 | 2,821.38 | 1/2 | 2,434.42 | 1/2 | 2,047.46 |
| 3/4 |       | 3/4 | 5,027.55 | 3/4 | 4,697.70 | 3/4 | 4,343.86 | 3/4 | 3,972.58 | 3/4 | 3,587.24 | 3/4 | 3,200.28 | 3/4 | 2,813.32 | 3/4 | 2,426.36 | 3/4 | 2,039.40 |
| 8   |       | 8   | 5,021.10 | 8   | 4,690.51 | 8   | 4,336.28 | 8   | 3,964.65 | 8   | 3,579.18 | 8   | 3,192.22 | 8   | 2,805.26 | 8   | 2,418.30 | 8   | 2,031.34 |
| 1/4 |       | 1/4 | 5,014.64 | 1/4 | 4,683.31 | 1/4 | 4,328.70 | 1/4 | 3,956.73 | 1/4 | 3,571.12 | 1/4 | 3,184.16 | 1/4 | 2,797.20 | 1/4 | 2,410.24 | 1/4 | 2,023.27 |
| 1/2 |       | 1/2 | 5,008.19 | 1/2 | 4,676.12 | 1/2 | 4,321.12 | 1/2 | 3,948.80 | 1/2 | 3,563.06 | 1/2 | 3,176.10 | 1/2 | 2,789.14 | 1/2 | 2,402.17 | 1/2 | 2,015.21 |
| 3/4 |       | 3/4 | 5,001.73 | 3/4 | 4,668.93 | 3/4 | 4,313.53 | 3/4 | 3,940.88 | 3/4 | 3,555.00 | 3/4 | 3,168.04 | 3/4 | 2,781.07 | 3/4 | 2,394.11 | 3/4 | 2,007.15 |
| 9   |       | 9   | 4,995.25 | 9   | 4,661.70 | 9   | 4,305.92 | 9   | 3,932.92 | 9   | 3,546.94 | 9   | 3,159.97 | 9   | 2,773.01 | 9   | 2,386.05 | 9   | 1,999.09 |
| 1/4 |       | 1/4 | 4,988.77 | 1/4 | 4,654.48 | 1/4 | 4,298.32 | 1/4 | 3,924.97 | 1/4 | 3,538.87 | 1/4 | 3,151.91 | 1/4 | 2,764.95 | 1/4 | 2,377.99 | 1/4 | 1,991.03 |
| 1/2 |       | 1/2 | 4,982.29 | 1/2 | 4,647.26 | 1/2 | 4,290.71 | 1/2 | 3,917.01 | 1/2 | 3,530.81 | 1/2 | 3,143.85 | 1/2 | 2,756.89 | 1/2 | 2,369.93 | 1/2 | 1,982.97 |
| 3/4 |       | 3/4 | 4,975.80 | 3/4 | 4,640.04 | 3/4 | 4,283.10 | 3/4 | 3,909.06 | 3/4 | 3,522.75 | 3/4 | 3,135.79 | 3/4 | 2,748.83 | 3/4 | 2,361.87 | 3/4 | 1,974.90 |
| 10  |       | 10  | 4,969.29 | 10  | 4,632.79 | 10  | 4,275.46 | 10  | 3,901.08 | 10  | 3,514.69 | 10  | 3,127.73 | 10  | 2,740.77 | 10  | 2,353.80 | 10  | 1,966.84 |
| 1/4 |       | 1/4 | 4,962.78 | 1/4 | 4,625.54 | 1/4 | 4,267.83 | 1/4 | 3,893.10 | 1/4 | 3,506.63 | 1/4 | 3,119.67 | 1/4 | 2,732.70 | 1/4 | 2,345.74 | 1/4 | 1,958.78 |
| 1/2 |       | 1/2 | 4,956.27 | 1/2 | 4,618.28 | 1/2 | 4,260.20 | 1/2 | 3,885.11 | 1/2 | 3,498.57 | 1/2 | 3,111.60 | 1/2 | 2,724.64 | 1/2 | 2,337.68 | 1/2 | 1,950.72 |
| 3/4 |       | 3/4 | 4,949.76 | 3/4 | 4,611.03 | 3/4 | 4,252.57 | 3/4 | 3,877.13 | 3/4 | 3,490.50 | 3/4 | 3,103.54 | 3/4 | 2,716.58 | 3/4 | 2,329.62 | 3/4 | 1,942.66 |
| 11  |       | 11  | 4,943.22 | 11  | 4,603.75 | 11  | 4,244.91 | 11  | 3,869.12 | 11  | 3,482.44 | 11  | 3,095.48 | 11  | 2,708.52 | 11  | 2,321.56 | 11  | 1,934.60 |
| 1/4 |       | 1/4 | 4,936.67 | 1/4 | 4,596.46 | 1/4 | 4,237.25 | 1/4 | 3,861.11 | 1/4 | 3,474.38 | 1/4 | 3,087.42 | 1/4 | 2,700.46 | 1/4 | 2,313.50 | 1/4 | 1,926.53 |
| 1/2 |       | 1/2 | 4,930.13 | 1/2 | 4,589.17 | 1/2 | 4,229.60 | 1/2 | 3,853.10 | 1/2 | 3,466.32 | 1/2 | 3,079.36 | 1/2 | 2,692.40 | 1/2 | 2,305.43 | 1/2 | 1,918.47 |
| 3/4 |       | 3/4 | 4,923.59 | 3/4 | 4,581.89 | 3/4 | 4,221.94 | 3/4 | 3,845.08 | 3/4 | 3,458.26 | 3/4 | 3,071.30 | 3/4 | 2,684.33 | 3/4 | 2,297.37 | 3/4 | 1,910.41 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD.

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



# BARGE "CTCo 356B"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 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   | 1,902.35 | 0   | 1,515.39 | 0   | 1,128.43 | 0   | 741.69 | 0   | 355.10 | 0   |        | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 1,894.29 | 1/4 | 1,507.33 | 1/4 | 1,120.36 | 1/4 | 733.64 | 1/4 | 347.04 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,886.23 | 1/2 | 1,499.26 | 1/2 | 1,112.30 | 1/2 | 725.60 | 1/2 | 338.98 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,878.16 | 3/4 | 1,491.20 | 3/4 | 1,104.24 | 3/4 | 717.55 | 3/4 | 330.92 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 1,870.10 | 1   | 1,483.14 | 1   | 1,096.18 | 1   | 709.51 | 1   | 322.86 | 1   |        | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 1,862.04 | 1/4 | 1,475.08 | 1/4 | 1,088.12 | 1/4 | 701.46 | 1/4 | 314.79 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,853.98 | 1/2 | 1,467.02 | 1/2 | 1,080.06 | 1/2 | 693.42 | 1/2 | 306.73 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,845.92 | 3/4 | 1,458.96 | 3/4 | 1,071.99 | 3/4 | 685.37 | 3/4 | 298.67 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 1,837.86 | 2   | 1,450.89 | 2   | 1,063.93 | 2   | 677.33 | 2   | 290.61 | 2   |        | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 1,829.79 | 1/4 | 1,442.83 | 1/4 | 1,055.87 | 1/4 | 669.28 | 1/4 | 282.55 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,821.73 | 1/2 | 1,434.77 | 1/2 | 1,047.81 | 1/2 | 661.24 | 1/2 | 274.49 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,813.67 | 3/4 | 1,426.71 | 3/4 | 1,039.75 | 3/4 | 653.19 | 3/4 | 266.43 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 1,805.61 | 3   | 1,418.65 | 3   | 1,031.69 | 3   | 645.15 | 3   | 258.36 | 3   |        | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 1,797.55 | 1/4 | 1,410.59 | 1/4 | 1,023.62 | 1/4 | 637.10 | 1/4 | 250.30 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,789.49 | 1/2 | 1,402.52 | 1/2 | 1,015.56 | 1/2 | 629.06 | 1/2 | 242.24 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,781.42 | 3/4 | 1,394.46 | 3/4 | 1,007.50 | 3/4 | 621.01 | 3/4 | 234.18 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 1,773.36 | 4   | 1,386.40 | 4   | 999.44   | 4   | 612.97 | 4   | 226.12 | 4   |        | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 1,765.30 | 1/4 | 1,378.34 | 1/4 | 991.38   | 1/4 | 604.92 | 1/4 | 218.06 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,757.24 | 1/2 | 1,370.28 | 1/2 | 983.32   | 1/2 | 596.87 | 1/2 | 210.00 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,749.18 | 3/4 | 1,362.22 | 3/4 | 975.25   | 3/4 | 588.83 | 3/4 | 201.93 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 1,741.12 | 5   | 1,354.15 | 5   | 967.19   | 5   | 580.78 | 5   | 193.87 | 5   |        | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 1,733.05 | 1/4 | 1,346.09 | 1/4 | 959.13   | 1/4 | 572.73 | 1/4 | 185.81 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,724.99 | 1/2 | 1,338.03 | 1/2 | 951.07   | 1/2 | 564.68 | 1/2 | 177.75 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,716.93 | 3/4 | 1,329.97 | 3/4 | 943.01   | 3/4 | 556.62 | 3/4 | 169.69 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 1,708.87 | 6   | 1,321.91 | 6   | 934.95   | 6   | 548.57 | 6   | 161.63 | 6   |        | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 1,700.81 | 1/4 | 1,313.84 | 1/4 | 926.88   | 1/4 | 540.51 | 1/4 | 153.57 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,692.74 | 1/2 | 1,305.78 | 1/2 | 918.82   | 1/2 | 532.45 | 1/2 | 145.50 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,684.68 | 3/4 | 1,297.72 | 3/4 | 910.76   | 3/4 | 524.39 | 3/4 | 137.44 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 1,676.62 | 7   | 1,289.66 | 7   | 902.70   | 7   | 516.33 | 7   | 129.38 | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 1,668.56 | 1/4 | 1,281.60 | 1/4 | 894.64   | 1/4 | 508.27 | 1/4 | 121.32 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,660.50 | 1/2 | 1,273.54 | 1/2 | 886.57   | 1/2 | 500.21 | 1/2 | 113.26 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,652.44 | 3/4 | 1,265.47 | 3/4 | 878.51   | 3/4 | 492.14 | 3/4 | 105.20 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 1,644.37 | 8   | 1,257.41 | 8   | 870.46   | 8   | 484.08 | 8   | 97.14  | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 1,636.31 | 1/4 | 1,249.35 | 1/4 | 862.40   | 1/4 | 476.02 | 1/4 | 89.07  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,628.25 | 1/2 | 1,241.29 | 1/2 | 854.35   | 1/2 | 467.96 | 1/2 | 81.01  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,620.19 | 3/4 | 1,233.23 | 3/4 | 846.29   | 3/4 | 459.90 | 3/4 | 72.95  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 1,612.13 | 9   | 1,225.17 | 9   | 838.25   | 9   | 451.84 | 9   | 65.65  | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 1,604.07 | 1/4 | 1,217.10 | 1/4 | 830.20   | 1/4 | 443.78 | 1/4 | 58.34  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,596.00 | 1/2 | 1,209.04 | 1/2 | 822.15   | 1/2 | 435.71 | 1/2 | 51.03  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,587.94 | 3/4 | 1,200.98 | 3/4 | 814.10   | 3/4 | 427.65 | 3/4 | 43.73  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 1,579.88 | 10  | 1,192.92 | 10  | 806.06   | 10  | 419.59 | 10  | 38.18  | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 1,571.82 | 1/4 | 1,184.86 | 1/4 | 798.01   | 1/4 | 411.53 | 1/4 | 32.64  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,563.76 | 1/2 | 1,176.80 | 1/2 | 789.97   | 1/2 | 403.47 | 1/2 | 27.10  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,555.70 | 3/4 | 1,168.73 | 3/4 | 781.92   | 3/4 | 395.41 | 3/4 | 21.56  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 1,547.63 | 11  | 1,160.67 | 11  | 773.87   | 11  | 387.35 | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 1,539.57 | 1/4 | 1,152.61 | 1/4 | 765.83   | 1/4 | 379.29 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,531.51 | 1/2 | 1,144.55 | 1/2 | 757.78   | 1/2 | 371.22 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,523.45 | 3/4 | 1,136.49 | 3/4 | 749.74   | 3/4 | 363.16 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/11/2015 CL  
CALCULATED: 03/11/2015 CL  
PRINTED: 03/12/2015 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2015

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



# BARGE "CTCo 356B"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-11"

| 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   | 5,260.38 | 0   | 4,929.66 | 0   | 4,586.90 | 0   | 4,225.50 | 0   | 3,847.03 | 0   | 3,458.49 | 0   | 3,069.85 | 0   | 2,681.22 | 0   | 2,292.59 |
| 1/4 |       | 1/4 | 5,255.29 | 1/4 | 4,922.78 | 1/4 | 4,579.56 | 1/4 | 4,217.78 | 1/4 | 3,838.96 | 1/4 | 3,450.39 | 1/4 | 3,061.76 | 1/4 | 2,673.13 | 1/4 | 2,284.49 |
| 1/2 |       | 1/2 | 5,250.20 | 1/2 | 4,915.91 | 1/2 | 4,572.21 | 1/2 | 4,210.06 | 1/2 | 3,830.88 | 1/2 | 3,442.29 | 1/2 | 3,053.66 | 1/2 | 2,665.03 | 1/2 | 2,276.40 |
| 3/4 |       | 3/4 | 5,245.11 | 3/4 | 4,909.03 | 3/4 | 4,564.87 | 3/4 | 4,202.34 | 3/4 | 3,822.81 | 3/4 | 3,434.20 | 3/4 | 3,045.56 | 3/4 | 2,656.93 | 3/4 | 2,268.30 |
| 1   |       | 1   | 5,240.02 | 1   | 4,902.15 | 1   | 4,557.53 | 1   | 4,194.62 | 1   | 3,814.73 | 1   | 3,426.10 | 1   | 3,037.47 | 1   | 2,648.84 | 1   | 2,260.20 |
| 1/4 |       | 1/4 | 5,232.91 | 1/4 | 4,895.12 | 1/4 | 4,550.16 | 1/4 | 4,186.88 | 1/4 | 3,806.64 | 1/4 | 3,418.00 | 1/4 | 3,029.37 | 1/4 | 2,640.74 | 1/4 | 2,252.11 |
| 1/2 |       | 1/2 | 5,225.79 | 1/2 | 4,888.10 | 1/2 | 4,542.78 | 1/2 | 4,179.13 | 1/2 | 3,798.54 | 1/2 | 3,409.91 | 1/2 | 3,021.27 | 1/2 | 2,632.64 | 1/2 | 2,244.01 |
| 3/4 |       | 3/4 | 5,218.68 | 3/4 | 4,881.07 | 3/4 | 4,535.41 | 3/4 | 4,171.38 | 3/4 | 3,790.44 | 3/4 | 3,401.81 | 3/4 | 3,013.18 | 3/4 | 2,624.55 | 3/4 | 2,235.91 |
| 2   |       | 2   | 5,211.56 | 2   | 4,874.05 | 2   | 4,528.04 | 2   | 4,163.64 | 2   | 3,782.35 | 2   | 3,393.71 | 2   | 3,005.08 | 2   | 2,616.45 | 2   | 2,227.82 |
| 1/4 |       | 1/4 | 5,203.94 | 1/4 | 4,866.99 | 1/4 | 4,520.64 | 1/4 | 4,155.86 | 1/4 | 3,774.25 | 1/4 | 3,385.62 | 1/4 | 2,996.99 | 1/4 | 2,608.35 | 1/4 | 2,219.72 |
| 1/2 |       | 1/2 | 5,196.32 | 1/2 | 4,859.94 | 1/2 | 4,513.24 | 1/2 | 4,148.08 | 1/2 | 3,766.15 | 1/2 | 3,377.52 | 1/2 | 2,988.89 | 1/2 | 2,600.26 | 1/2 | 2,211.62 |
| 3/4 |       | 3/4 | 5,188.70 | 3/4 | 4,852.88 | 3/4 | 4,505.84 | 3/4 | 4,140.31 | 3/4 | 3,758.06 | 3/4 | 3,369.42 | 3/4 | 2,980.79 | 3/4 | 2,592.16 | 3/4 | 2,203.53 |
| 3   |       | 3   | 5,181.08 | 3   | 4,845.83 | 3   | 4,498.44 | 3   | 4,132.53 | 3   | 3,749.96 | 3   | 3,361.33 | 3   | 2,972.70 | 3   | 2,584.06 | 3   | 2,195.43 |
| 1/4 |       | 1/4 | 5,173.46 | 1/4 | 4,838.74 | 1/4 | 4,490.98 | 1/4 | 4,124.72 | 1/4 | 3,741.86 | 1/4 | 3,353.23 | 1/4 | 2,964.60 | 1/4 | 2,575.97 | 1/4 | 2,187.34 |
| 1/2 |       | 1/2 | 5,165.84 | 1/2 | 4,831.66 | 1/2 | 4,483.52 | 1/2 | 4,116.91 | 1/2 | 3,733.77 | 1/2 | 3,345.13 | 1/2 | 2,956.50 | 1/2 | 2,567.87 | 1/2 | 2,179.24 |
| 3/4 |       | 3/4 | 5,158.22 | 3/4 | 4,824.58 | 3/4 | 4,476.06 | 3/4 | 4,109.10 | 3/4 | 3,725.67 | 3/4 | 3,337.04 | 3/4 | 2,948.41 | 3/4 | 2,559.77 | 3/4 | 2,171.14 |
| 4   |       | 4   | 5,150.59 | 4   | 4,817.49 | 4   | 4,468.60 | 4   | 4,101.28 | 4   | 3,717.57 | 4   | 3,328.94 | 4   | 2,940.31 | 4   | 2,551.68 | 4   | 2,163.05 |
| 1/4 |       | 1/4 | 5,143.00 | 1/4 | 4,810.38 | 1/4 | 4,461.10 | 1/4 | 4,093.44 | 1/4 | 3,709.48 | 1/4 | 3,320.85 | 1/4 | 2,932.21 | 1/4 | 2,543.58 | 1/4 | 2,154.95 |
| 1/2 |       | 1/2 | 5,135.41 | 1/2 | 4,803.27 | 1/2 | 4,453.60 | 1/2 | 4,085.59 | 1/2 | 3,701.38 | 1/2 | 3,312.75 | 1/2 | 2,924.12 | 1/2 | 2,535.48 | 1/2 | 2,146.85 |
| 3/4 |       | 3/4 | 5,127.82 | 3/4 | 4,796.16 | 3/4 | 4,446.10 | 3/4 | 4,077.75 | 3/4 | 3,693.28 | 3/4 | 3,304.65 | 3/4 | 2,916.02 | 3/4 | 2,527.39 | 3/4 | 2,138.76 |
| 5   |       | 5   | 5,120.23 | 5   | 4,789.04 | 5   | 4,438.61 | 5   | 4,069.90 | 5   | 3,685.19 | 5   | 3,296.56 | 5   | 2,907.92 | 5   | 2,519.29 | 5   | 2,130.66 |
| 1/4 |       | 1/4 | 5,112.65 | 1/4 | 4,781.90 | 1/4 | 4,431.08 | 1/4 | 4,062.03 | 1/4 | 3,677.09 | 1/4 | 3,288.46 | 1/4 | 2,899.83 | 1/4 | 2,511.20 | 1/4 | 2,122.56 |
| 1/2 |       | 1/2 | 5,105.07 | 1/2 | 4,774.76 | 1/2 | 4,423.55 | 1/2 | 4,054.16 | 1/2 | 3,668.99 | 1/2 | 3,280.36 | 1/2 | 2,891.73 | 1/2 | 2,503.10 | 1/2 | 2,114.47 |
| 3/4 |       | 3/4 | 5,097.49 | 3/4 | 4,767.62 | 3/4 | 4,416.02 | 3/4 | 4,046.28 | 3/4 | 3,660.90 | 3/4 | 3,272.27 | 3/4 | 2,883.63 | 3/4 | 2,495.00 | 3/4 | 2,106.37 |
| 6   |       | 6   | 5,089.91 | 6   | 4,760.48 | 6   | 4,408.50 | 6   | 4,038.41 | 6   | 3,652.80 | 6   | 3,264.17 | 6   | 2,875.54 | 6   | 2,486.91 | 6   | 2,098.27 |
| 1/4 |       | 1/4 | 5,082.33 | 1/4 | 4,753.32 | 1/4 | 4,400.94 | 1/4 | 4,030.51 | 1/4 | 3,644.71 | 1/4 | 3,256.07 | 1/4 | 2,867.44 | 1/4 | 2,478.81 | 1/4 | 2,090.18 |
| 1/2 |       | 1/2 | 5,074.75 | 1/2 | 4,746.16 | 1/2 | 4,393.38 | 1/2 | 4,022.61 | 1/2 | 3,636.61 | 1/2 | 3,247.98 | 1/2 | 2,859.34 | 1/2 | 2,470.71 | 1/2 | 2,082.08 |
| 3/4 |       | 3/4 | 5,067.17 | 3/4 | 4,739.00 | 3/4 | 4,385.83 | 3/4 | 4,014.71 | 3/4 | 3,628.51 | 3/4 | 3,239.88 | 3/4 | 2,851.25 | 3/4 | 2,462.62 | 3/4 | 2,073.98 |
| 7   |       | 7   | 5,059.59 | 7   | 4,731.83 | 7   | 4,378.27 | 7   | 4,006.80 | 7   | 3,620.42 | 7   | 3,231.78 | 7   | 2,843.15 | 7   | 2,454.52 | 7   | 2,065.89 |
| 1/4 |       | 1/4 | 5,052.90 | 1/4 | 4,724.65 | 1/4 | 4,370.69 | 1/4 | 3,998.87 | 1/4 | 3,612.32 | 1/4 | 3,223.69 | 1/4 | 2,835.06 | 1/4 | 2,446.42 | 1/4 | 2,057.79 |
| 1/2 |       | 1/2 | 5,046.22 | 1/2 | 4,717.46 | 1/2 | 4,363.10 | 1/2 | 3,990.94 | 1/2 | 3,604.22 | 1/2 | 3,215.59 | 1/2 | 2,826.96 | 1/2 | 2,438.33 | 1/2 | 2,049.69 |
| 3/4 |       | 3/4 | 5,039.54 | 3/4 | 4,710.27 | 3/4 | 4,355.52 | 3/4 | 3,983.01 | 3/4 | 3,596.13 | 3/4 | 3,207.49 | 3/4 | 2,818.86 | 3/4 | 2,430.23 | 3/4 | 2,041.60 |
| 8   |       | 8   | 5,032.85 | 8   | 4,703.08 | 8   | 4,347.93 | 8   | 3,975.08 | 8   | 3,588.03 | 8   | 3,199.40 | 8   | 2,810.77 | 8   | 2,422.13 | 8   | 2,033.50 |
| 1/4 |       | 1/4 | 5,026.45 | 1/4 | 4,695.87 | 1/4 | 4,340.32 | 1/4 | 3,967.12 | 1/4 | 3,579.93 | 1/4 | 3,191.30 | 1/4 | 2,802.67 | 1/4 | 2,414.04 | 1/4 | 2,025.41 |
| 1/2 |       | 1/2 | 5,020.04 | 1/2 | 4,688.65 | 1/2 | 4,332.70 | 1/2 | 3,959.16 | 1/2 | 3,571.84 | 1/2 | 3,183.20 | 1/2 | 2,794.57 | 1/2 | 2,405.94 | 1/2 | 2,017.31 |
| 3/4 |       | 3/4 | 5,013.63 | 3/4 | 4,681.44 | 3/4 | 4,325.09 | 3/4 | 3,951.20 | 3/4 | 3,563.74 | 3/4 | 3,175.11 | 3/4 | 2,786.48 | 3/4 | 2,397.84 | 3/4 | 2,009.21 |
| 9   |       | 9   | 5,007.23 | 9   | 4,674.22 | 9   | 4,317.48 | 9   | 3,943.24 | 9   | 3,555.64 | 9   | 3,167.01 | 9   | 2,778.38 | 9   | 2,389.75 | 9   | 2,001.12 |
| 1/4 |       | 1/4 | 5,000.79 | 1/4 | 4,666.97 | 1/4 | 4,309.83 | 1/4 | 3,935.25 | 1/4 | 3,547.55 | 1/4 | 3,158.92 | 1/4 | 2,770.28 | 1/4 | 2,381.65 | 1/4 | 1,993.02 |
| 1/2 |       | 1/2 | 4,994.36 | 1/2 | 4,659.73 | 1/2 | 4,302.19 | 1/2 | 3,927.26 | 1/2 | 3,539.45 | 1/2 | 3,150.82 | 1/2 | 2,762.19 | 1/2 | 2,373.55 | 1/2 | 1,984.92 |
| 3/4 |       | 3/4 | 4,987.92 | 3/4 | 4,652.48 | 3/4 | 4,294.55 | 3/4 | 3,919.28 | 3/4 | 3,531.35 | 3/4 | 3,142.72 | 3/4 | 2,754.09 | 3/4 | 2,365.46 | 3/4 | 1,976.83 |
| 10  |       | 10  | 4,981.49 | 10  | 4,645.24 | 10  | 4,286.90 | 10  | 3,911.29 | 10  | 3,523.26 | 10  | 3,134.63 | 10  | 2,745.99 | 10  | 2,357.36 | 10  | 1,968.73 |
| 1/4 |       | 1/4 | 4,975.02 | 1/4 | 4,637.96 | 1/4 | 4,279.24 | 1/4 | 3,903.27 | 1/4 | 3,515.16 | 1/4 | 3,126.53 | 1/4 | 2,737.90 | 1/4 | 2,349.27 | 1/4 | 1,960.63 |
| 1/2 |       | 1/2 | 4,968.56 | 1/2 | 4,630.69 | 1/2 | 4,271.58 | 1/2 | 3,895.25 | 1/2 | 3,507.06 | 1/2 | 3,118.43 | 1/2 | 2,729.80 | 1/2 | 2,341.17 | 1/2 | 1,952.54 |
| 3/4 |       | 3/4 | 4,962.10 | 3/4 | 4,623.42 | 3/4 | 4,263.91 | 3/4 | 3,887.24 | 3/4 | 3,498.97 | 3/4 | 3,110.34 | 3/4 | 2,721.70 | 3/4 | 2,333.07 | 3/4 | 1,944.44 |
| 11  |       | 11  | 4,955.63 | 11  | 4,616.14 | 11  | 4,256.25 | 11  | 3,879.22 | 11  | 3,490.87 | 11  | 3,102.24 | 11  | 2,713.61 | 11  | 2,324.98 | 11  | 1,936.34 |
| 1/4 |       | 1/4 | 4,949.14 | 1/4 | 4,608.83 | 1/4 | 4,248.56 | 1/4 | 3,871.17 | 1/4 | 3,482.78 | 1/4 | 3,094.14 | 1/4 | 2,705.51 | 1/4 | 2,316.88 | 1/4 | 1,928.25 |
| 1/2 |       | 1/2 | 4,942.65 | 1/2 | 4,601.52 | 1/2 | 4,240.87 | 1/2 | 3,863.13 | 1/2 | 3,474.68 | 1/2 | 3,086.05 | 1/2 | 2,697.41 | 1/2 | 2,308.78 | 1/2 | 1,920.15 |
| 3/4 |       | 3/4 | 4,936.15 | 3/4 | 4,594.21 | 3/4 | 4,233.18 | 3/4 | 3,855.08 | 3/4 | 3,466.58 | 3/4 | 3,077.95 | 3/4 | 2,689.32 | 3/4 | 2,300.69 | 3/4 | 1,912.05 |

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 TO TOP LIP OF 2" HERMETIC VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD.

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



# BARGE "CTCo 356B"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-11"

| 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   | 1,903.96 | 0   | 1,515.33 | 0   | 1,126.69 | 0   | 743.48 | 0   | 364.73 | 0   |        | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 1,895.86 | 1/4 | 1,507.23 | 1/4 | 1,118.60 | 1/4 | 735.71 | 1/4 | 356.64 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,887.76 | 1/2 | 1,499.13 | 1/2 | 1,110.50 | 1/2 | 727.93 | 1/2 | 348.54 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,879.67 | 3/4 | 1,491.04 | 3/4 | 1,102.40 | 3/4 | 720.16 | 3/4 | 340.44 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 1,871.57 | 1   | 1,482.94 | 1   | 1,094.31 | 1   | 712.39 | 1   | 332.35 | 1   |        | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 1,863.48 | 1/4 | 1,474.84 | 1/4 | 1,086.21 | 1/4 | 704.61 | 1/4 | 324.25 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,855.38 | 1/2 | 1,466.75 | 1/2 | 1,078.11 | 1/2 | 696.84 | 1/2 | 316.16 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,847.28 | 3/4 | 1,458.65 | 3/4 | 1,070.02 | 3/4 | 689.07 | 3/4 | 308.06 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 1,839.19 | 2   | 1,450.55 | 2   | 1,061.92 | 2   | 681.29 | 2   | 299.96 | 2   |        | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 1,831.09 | 1/4 | 1,442.46 | 1/4 | 1,053.83 | 1/4 | 673.52 | 1/4 | 291.87 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,822.99 | 1/2 | 1,434.36 | 1/2 | 1,045.73 | 1/2 | 665.75 | 1/2 | 283.77 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,814.90 | 3/4 | 1,426.26 | 3/4 | 1,037.63 | 3/4 | 657.97 | 3/4 | 275.68 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 1,806.80 | 3   | 1,418.17 | 3   | 1,029.54 | 3   | 650.20 | 3   | 267.58 | 3   |        | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 1,798.70 | 1/4 | 1,410.07 | 1/4 | 1,021.44 | 1/4 | 642.43 | 1/4 | 259.48 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,790.61 | 1/2 | 1,401.97 | 1/2 | 1,013.34 | 1/2 | 634.65 | 1/2 | 251.39 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,782.51 | 3/4 | 1,393.88 | 3/4 | 1,005.25 | 3/4 | 626.88 | 3/4 | 243.29 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 1,774.41 | 4   | 1,385.78 | 4   | 997.15   | 4   | 619.11 | 4   | 235.19 | 4   |        | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 1,766.32 | 1/4 | 1,377.69 | 1/4 | 989.05   | 1/4 | 611.33 | 1/4 | 227.10 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,758.22 | 1/2 | 1,369.59 | 1/2 | 980.96   | 1/2 | 603.56 | 1/2 | 219.00 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,750.12 | 3/4 | 1,361.49 | 3/4 | 972.86   | 3/4 | 595.78 | 3/4 | 210.91 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 1,742.03 | 5   | 1,353.40 | 5   | 964.76   | 5   | 588.01 | 5   | 202.81 | 5   |        | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 1,733.93 | 1/4 | 1,345.30 | 1/4 | 956.67   | 1/4 | 580.23 | 1/4 | 194.71 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,725.83 | 1/2 | 1,337.20 | 1/2 | 948.57   | 1/2 | 572.45 | 1/2 | 186.62 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,717.74 | 3/4 | 1,329.11 | 3/4 | 940.47   | 3/4 | 564.67 | 3/4 | 178.52 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 1,709.64 | 6   | 1,321.01 | 6   | 932.38   | 6   | 556.89 | 6   | 170.42 | 6   |        | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 1,701.55 | 1/4 | 1,312.91 | 1/4 | 924.28   | 1/4 | 549.10 | 1/4 | 162.33 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,693.45 | 1/2 | 1,304.82 | 1/2 | 916.18   | 1/2 | 541.32 | 1/2 | 154.23 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,685.35 | 3/4 | 1,296.72 | 3/4 | 908.09   | 3/4 | 533.53 | 3/4 | 146.14 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 1,677.26 | 7   | 1,288.62 | 7   | 899.99   | 7   | 525.74 | 7   | 138.04 | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 1,669.16 | 1/4 | 1,280.53 | 1/4 | 892.01   | 1/4 | 517.84 | 1/4 | 129.94 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,661.06 | 1/2 | 1,272.43 | 1/2 | 884.03   | 1/2 | 509.93 | 1/2 | 121.85 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,652.97 | 3/4 | 1,264.33 | 3/4 | 876.05   | 3/4 | 502.03 | 3/4 | 113.75 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 1,644.87 | 8   | 1,256.24 | 8   | 868.07   | 8   | 494.12 | 8   | 105.66 | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 1,636.77 | 1/4 | 1,248.14 | 1/4 | 860.24   | 1/4 | 486.07 | 1/4 | 97.56  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,628.68 | 1/2 | 1,240.04 | 1/2 | 852.42   | 1/2 | 478.01 | 1/2 | 89.46  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,620.58 | 3/4 | 1,231.95 | 3/4 | 844.60   | 3/4 | 469.95 | 3/4 | 81.37  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 1,612.48 | 9   | 1,223.85 | 9   | 836.78   | 9   | 461.89 | 9   | 73.27  | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 1,604.39 | 1/4 | 1,215.76 | 1/4 | 829.00   | 1/4 | 453.79 | 1/4 | 65.93  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,596.29 | 1/2 | 1,207.66 | 1/2 | 821.23   | 1/2 | 445.70 | 1/2 | 58.59  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,588.19 | 3/4 | 1,199.56 | 3/4 | 813.45   | 3/4 | 437.60 | 3/4 | 51.26  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 1,580.10 | 10  | 1,191.47 | 10  | 805.68   | 10  | 429.50 | 10  | 43.92  | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 1,572.00 | 1/4 | 1,183.37 | 1/4 | 797.90   | 1/4 | 421.41 | 1/4 | 38.35  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,563.90 | 1/2 | 1,175.27 | 1/2 | 790.13   | 1/2 | 413.31 | 1/2 | 32.79  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,555.81 | 3/4 | 1,167.18 | 3/4 | 782.35   | 3/4 | 405.21 | 3/4 | 27.22  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 1,547.71 | 11  | 1,159.08 | 11  | 774.58   | 11  | 397.12 | 11  | 21.65  | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 1,539.62 | 1/4 | 1,150.98 | 1/4 | 766.81   | 1/4 | 389.02 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,531.52 | 1/2 | 1,142.89 | 1/2 | 759.03   | 1/2 | 380.93 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,523.42 | 3/4 | 1,134.79 | 3/4 | 751.26   | 3/4 | 372.83 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/11/2015 CL  
CALCULATED: 03/11/2015 CL  
PRINTED: 03/12/2015 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2015

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







# BARGE "CTCo 356B"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 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   | 1,908.89 | 0   | 1,520.60 | 0   | 1,132.31 | 0   | 744.24 | 0   | 356.32 | 0   |        | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 1,900.80 | 1/4 | 1,512.51 | 1/4 | 1,124.22 | 1/4 | 736.17 | 1/4 | 348.23 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,892.71 | 1/2 | 1,504.42 | 1/2 | 1,116.13 | 1/2 | 728.09 | 1/2 | 340.14 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,884.62 | 3/4 | 1,496.33 | 3/4 | 1,108.04 | 3/4 | 720.02 | 3/4 | 332.05 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 1,876.53 | 1   | 1,488.24 | 1   | 1,099.95 | 1   | 711.95 | 1   | 323.97 | 1   |        | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 1,868.44 | 1/4 | 1,480.15 | 1/4 | 1,091.86 | 1/4 | 703.88 | 1/4 | 315.88 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,860.35 | 1/2 | 1,472.06 | 1/2 | 1,083.77 | 1/2 | 695.80 | 1/2 | 307.79 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,852.26 | 3/4 | 1,463.97 | 3/4 | 1,075.68 | 3/4 | 687.73 | 3/4 | 299.70 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 1,844.17 | 2   | 1,455.88 | 2   | 1,067.59 | 2   | 679.66 | 2   | 291.61 | 2   |        | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 1,836.08 | 1/4 | 1,447.79 | 1/4 | 1,059.50 | 1/4 | 671.59 | 1/4 | 283.52 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,828.00 | 1/2 | 1,439.70 | 1/2 | 1,051.41 | 1/2 | 663.51 | 1/2 | 275.43 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,819.91 | 3/4 | 1,431.61 | 3/4 | 1,043.32 | 3/4 | 655.44 | 3/4 | 267.34 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 1,811.82 | 3   | 1,423.53 | 3   | 1,035.23 | 3   | 647.37 | 3   | 259.25 | 3   |        | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 1,803.73 | 1/4 | 1,415.44 | 1/4 | 1,027.14 | 1/4 | 639.29 | 1/4 | 251.16 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,795.64 | 1/2 | 1,407.35 | 1/2 | 1,019.06 | 1/2 | 631.22 | 1/2 | 243.07 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,787.55 | 3/4 | 1,399.26 | 3/4 | 1,010.97 | 3/4 | 623.15 | 3/4 | 234.99 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 1,779.46 | 4   | 1,391.17 | 4   | 1,002.88 | 4   | 615.07 | 4   | 226.90 | 4   |        | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 1,771.37 | 1/4 | 1,383.08 | 1/4 | 994.79   | 1/4 | 607.00 | 1/4 | 218.81 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,763.28 | 1/2 | 1,374.99 | 1/2 | 986.70   | 1/2 | 598.93 | 1/2 | 210.72 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,755.19 | 3/4 | 1,366.90 | 3/4 | 978.61   | 3/4 | 590.85 | 3/4 | 202.63 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 1,747.10 | 5   | 1,358.81 | 5   | 970.52   | 5   | 582.77 | 5   | 194.54 | 5   |        | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 1,739.01 | 1/4 | 1,350.72 | 1/4 | 962.43   | 1/4 | 574.70 | 1/4 | 186.45 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,730.92 | 1/2 | 1,342.63 | 1/2 | 954.34   | 1/2 | 566.62 | 1/2 | 178.36 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,722.83 | 3/4 | 1,334.54 | 3/4 | 946.25   | 3/4 | 558.54 | 3/4 | 170.27 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 1,714.74 | 6   | 1,326.45 | 6   | 938.16   | 6   | 550.45 | 6   | 162.18 | 6   |        | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 1,706.65 | 1/4 | 1,318.36 | 1/4 | 930.07   | 1/4 | 542.37 | 1/4 | 154.09 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,698.57 | 1/2 | 1,310.27 | 1/2 | 921.98   | 1/2 | 534.28 | 1/2 | 146.01 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,690.48 | 3/4 | 1,302.18 | 3/4 | 913.89   | 3/4 | 526.19 | 3/4 | 137.92 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 1,682.39 | 7   | 1,294.10 | 7   | 905.80   | 7   | 518.10 | 7   | 129.83 | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 1,674.30 | 1/4 | 1,286.01 | 1/4 | 897.71   | 1/4 | 510.01 | 1/4 | 121.74 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,666.21 | 1/2 | 1,277.92 | 1/2 | 889.63   | 1/2 | 501.93 | 1/2 | 113.65 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,658.12 | 3/4 | 1,269.83 | 3/4 | 881.54   | 3/4 | 493.84 | 3/4 | 105.56 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 1,650.03 | 8   | 1,261.74 | 8   | 873.45   | 8   | 485.75 | 8   | 97.47  | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 1,641.94 | 1/4 | 1,253.65 | 1/4 | 865.37   | 1/4 | 477.66 | 1/4 | 89.38  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,633.85 | 1/2 | 1,245.56 | 1/2 | 857.29   | 1/2 | 469.57 | 1/2 | 81.29  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,625.76 | 3/4 | 1,237.47 | 3/4 | 849.20   | 3/4 | 461.48 | 3/4 | 73.20  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 1,617.67 | 9   | 1,229.38 | 9   | 841.13   | 9   | 453.39 | 9   | 65.87  | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 1,609.58 | 1/4 | 1,221.29 | 1/4 | 833.05   | 1/4 | 445.30 | 1/4 | 58.54  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,601.49 | 1/2 | 1,213.20 | 1/2 | 824.98   | 1/2 | 437.21 | 1/2 | 51.21  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,593.40 | 3/4 | 1,205.11 | 3/4 | 816.90   | 3/4 | 429.12 | 3/4 | 43.88  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 1,585.31 | 10  | 1,197.02 | 10  | 808.83   | 10  | 421.03 | 10  | 38.32  | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 1,577.22 | 1/4 | 1,188.93 | 1/4 | 800.76   | 1/4 | 412.95 | 1/4 | 32.75  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,569.13 | 1/2 | 1,180.84 | 1/2 | 792.68   | 1/2 | 404.86 | 1/2 | 27.19  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,561.05 | 3/4 | 1,172.75 | 3/4 | 784.61   | 3/4 | 396.77 | 3/4 | 21.63  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 1,552.96 | 11  | 1,164.66 | 11  | 776.54   | 11  | 388.68 | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 1,544.87 | 1/4 | 1,156.58 | 1/4 | 768.46   | 1/4 | 380.59 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,536.78 | 1/2 | 1,148.49 | 1/2 | 760.39   | 1/2 | 372.50 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,528.69 | 3/4 | 1,140.40 | 3/4 | 752.32   | 3/4 | 364.41 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/11/2015 CL  
CALCULATED: 03/11/2015 CL  
PRINTED: 03/12/2015 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2015

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



# BARGE "CTCo 356B"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-11 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   | 4,932.77 | 0   | 4,590.57 | 0   | 4,230.79 | 0   | 3,853.41 | 0   | 3,465.22 | 0   | 3,077.36 | 0   | 2,689.10 | 0   | 2,300.48 |     |          |
| 1/4 |       | 1/4 |       | 1/4 | 5,278.30 | 1/4 | 4,925.82 | 1/4 | 4,583.28 | 1/4 | 4,223.13 | 1/4 | 3,845.36 | 1/4 | 3,457.14 | 1/4 | 3,069.27 | 1/4 | 2,681.00 | 1/4 | 2,292.38 |
| 1/2 |       | 1/2 |       | 1/2 | 5,272.76 | 1/2 | 4,918.83 | 1/2 | 4,575.95 | 1/2 | 4,215.44 | 1/2 | 3,837.29 | 1/2 | 3,449.07 | 1/2 | 3,061.19 | 1/2 | 2,672.90 | 1/2 | 2,284.29 |
| 3/4 |       | 3/4 |       | 3/4 | 5,267.23 | 3/4 | 4,911.85 | 3/4 | 4,568.63 | 3/4 | 4,207.75 | 3/4 | 3,829.21 | 3/4 | 3,440.99 | 3/4 | 3,053.10 | 3/4 | 2,664.81 | 3/4 | 2,276.19 |
| 1   |       | 1   |       | 1   | 5,261.69 | 1   | 4,904.87 | 1   | 4,561.30 | 1   | 4,200.06 | 1   | 3,821.13 | 1   | 3,432.91 | 1   | 3,045.01 | 1   | 2,656.71 | 1   | 2,268.09 |
| 1/4 |       | 1/4 |       | 1/4 | 5,256.16 | 1/4 | 4,897.89 | 1/4 | 4,553.97 | 1/4 | 4,192.37 | 1/4 | 3,813.06 | 1/4 | 3,424.84 | 1/4 | 3,036.93 | 1/4 | 2,648.61 | 1/4 | 2,260.00 |
| 1/2 |       | 1/2 |       | 1/2 | 5,248.60 | 1/2 | 4,890.88 | 1/2 | 4,546.62 | 1/2 | 4,184.65 | 1/2 | 3,804.96 | 1/2 | 3,416.76 | 1/2 | 3,028.84 | 1/2 | 2,640.52 | 1/2 | 2,251.90 |
| 3/4 |       | 3/4 |       | 3/4 | 5,241.04 | 3/4 | 4,883.87 | 3/4 | 4,539.26 | 3/4 | 4,176.93 | 3/4 | 3,796.87 | 3/4 | 3,408.68 | 3/4 | 3,020.75 | 3/4 | 2,632.42 | 3/4 | 2,243.80 |
| 2   |       | 2   |       | 2   | 5,233.48 | 2   | 4,876.86 | 2   | 4,531.91 | 2   | 4,169.21 | 2   | 3,788.77 | 2   | 3,400.61 | 2   | 3,012.67 | 2   | 2,624.33 | 2   | 2,235.71 |
| 1/4 |       | 1/4 |       | 1/4 | 5,225.92 | 1/4 | 4,869.85 | 1/4 | 4,524.55 | 1/4 | 4,161.49 | 1/4 | 3,780.68 | 1/4 | 3,392.53 | 1/4 | 3,004.58 | 1/4 | 2,616.23 | 1/4 | 2,227.61 |
| 1/2 |       | 1/2 |       | 1/2 | 5,217.86 | 1/2 | 4,862.81 | 1/2 | 4,517.17 | 1/2 | 4,153.75 | 1/2 | 3,772.58 | 1/2 | 3,384.45 | 1/2 | 2,996.49 | 1/2 | 2,608.13 | 1/2 | 2,219.52 |
| 3/4 |       | 3/4 |       | 3/4 | 5,209.79 | 3/4 | 4,855.77 | 3/4 | 4,509.79 | 3/4 | 4,146.00 | 3/4 | 3,764.48 | 3/4 | 3,376.38 | 3/4 | 2,988.40 | 3/4 | 2,600.04 | 3/4 | 2,211.42 |
| 3   |       | 3   |       | 3   | 5,201.73 | 3   | 4,848.73 | 3   | 4,502.40 | 3   | 4,138.25 | 3   | 3,756.38 | 3   | 3,368.30 | 3   | 2,980.32 | 3   | 2,591.94 | 3   | 2,203.32 |
| 1/4 |       | 1/4 |       | 1/4 | 5,193.66 | 1/4 | 4,841.69 | 1/4 | 4,495.02 | 1/4 | 4,130.50 | 1/4 | 3,748.28 | 1/4 | 3,360.22 | 1/4 | 2,972.23 | 1/4 | 2,583.84 | 1/4 | 2,195.23 |
| 1/2 |       | 1/2 |       | 1/2 | 5,185.60 | 1/2 | 4,834.62 | 1/2 | 4,487.59 | 1/2 | 4,122.72 | 1/2 | 3,740.18 | 1/2 | 3,352.15 | 1/2 | 2,964.14 | 1/2 | 2,575.75 | 1/2 | 2,187.13 |
| 3/4 |       | 3/4 |       | 3/4 | 5,177.54 | 3/4 | 4,827.55 | 3/4 | 4,480.16 | 3/4 | 4,114.94 | 3/4 | 3,732.08 | 3/4 | 3,344.07 | 3/4 | 2,956.06 | 3/4 | 2,567.65 | 3/4 | 2,179.03 |
| 4   |       | 4   |       | 4   | 5,169.47 | 4   | 4,820.49 | 4   | 4,472.72 | 4   | 4,107.16 | 4   | 3,723.98 | 4   | 3,335.99 | 4   | 2,947.97 | 4   | 2,559.56 | 4   | 2,170.94 |
| 1/4 |       | 1/4 |       | 1/4 | 5,161.41 | 1/4 | 4,813.42 | 1/4 | 4,465.29 | 1/4 | 4,099.37 | 1/4 | 3,715.88 | 1/4 | 3,327.92 | 1/4 | 2,939.88 | 1/4 | 2,551.46 | 1/4 | 2,162.84 |
| 1/2 |       | 1/2 |       | 1/2 | 5,153.37 | 1/2 | 4,806.32 | 1/2 | 4,457.82 | 1/2 | 4,091.56 | 1/2 | 3,707.79 | 1/2 | 3,319.84 | 1/2 | 2,931.80 | 1/2 | 2,543.36 | 1/2 | 2,154.75 |
| 3/4 |       | 3/4 |       | 3/4 | 5,145.32 | 3/4 | 4,799.23 | 3/4 | 4,450.35 | 3/4 | 4,083.75 | 3/4 | 3,699.70 | 3/4 | 3,311.77 | 3/4 | 2,923.71 | 3/4 | 2,535.27 | 3/4 | 2,146.65 |
| 5   |       | 5   |       | 5   | 5,137.28 | 5   | 4,792.13 | 5   | 4,442.88 | 5   | 4,075.94 | 5   | 3,691.61 | 5   | 3,303.69 | 5   | 2,915.62 | 5   | 2,527.17 | 5   | 2,138.55 |
| 1/4 |       | 1/4 |       | 1/4 | 5,129.24 | 1/4 | 4,785.03 | 1/4 | 4,435.41 | 1/4 | 4,068.12 | 1/4 | 3,683.52 | 1/4 | 3,295.61 | 1/4 | 2,907.54 | 1/4 | 2,519.08 | 1/4 | 2,130.46 |
| 1/2 |       | 1/2 |       | 1/2 | 5,121.20 | 1/2 | 4,777.91 | 1/2 | 4,427.92 | 1/2 | 4,060.28 | 1/2 | 3,675.43 | 1/2 | 3,287.54 | 1/2 | 2,899.45 | 1/2 | 2,510.98 | 1/2 | 2,122.36 |
| 3/4 |       | 3/4 |       | 3/4 | 5,113.16 | 3/4 | 4,770.78 | 3/4 | 4,420.42 | 3/4 | 4,052.44 | 3/4 | 3,667.34 | 3/4 | 3,279.46 | 3/4 | 2,891.36 | 3/4 | 2,502.88 | 3/4 | 2,114.27 |
| 6   |       | 6   |       | 6   | 5,105.13 | 6   | 4,763.66 | 6   | 4,412.92 | 6   | 4,044.60 | 6   | 3,659.25 | 6   | 3,271.38 | 6   | 2,883.27 | 6   | 2,494.79 | 6   | 2,106.17 |
| 1/4 |       | 1/4 |       | 1/4 | 5,097.09 | 1/4 | 4,756.53 | 1/4 | 4,405.42 | 1/4 | 4,036.76 | 1/4 | 3,651.16 | 1/4 | 3,263.31 | 1/4 | 2,875.19 | 1/4 | 2,486.69 | 1/4 | 2,098.07 |
| 1/2 |       | 1/2 |       | 1/2 | 5,089.06 | 1/2 | 4,749.38 | 1/2 | 4,397.90 | 1/2 | 4,028.86 | 1/2 | 3,643.07 | 1/2 | 3,255.23 | 1/2 | 2,867.10 | 1/2 | 2,478.59 | 1/2 | 2,089.98 |
| 3/4 |       | 3/4 |       | 3/4 | 5,081.02 | 3/4 | 4,742.24 | 3/4 | 4,390.37 | 3/4 | 4,020.96 | 3/4 | 3,634.99 | 3/4 | 3,247.15 | 3/4 | 2,859.01 | 3/4 | 2,470.50 | 3/4 | 2,081.88 |
| 7   |       | 7   |       | 7   | 5,072.98 | 7   | 4,735.09 | 7   | 4,382.85 | 7   | 4,013.07 | 7   | 3,626.90 | 7   | 3,239.08 | 7   | 2,850.93 | 7   | 2,462.40 | 7   | 2,073.78 |
| 1/4 |       | 1/4 |       | 1/4 | 5,064.95 | 1/4 | 4,727.94 | 1/4 | 4,375.32 | 1/4 | 4,005.17 | 1/4 | 3,618.81 | 1/4 | 3,231.00 | 1/4 | 2,842.84 | 1/4 | 2,454.31 | 1/4 | 2,065.69 |
| 1/2 |       | 1/2 |       | 1/2 | 5,057.80 | 1/2 | 4,720.77 | 1/2 | 4,367.77 | 1/2 | 3,997.24 | 1/2 | 3,610.72 | 1/2 | 3,222.92 | 1/2 | 2,834.75 | 1/2 | 2,446.21 | 1/2 | 2,057.59 |
| 3/4 |       | 3/4 |       | 3/4 | 5,050.66 | 3/4 | 4,713.59 | 3/4 | 4,360.21 | 3/4 | 3,989.31 | 3/4 | 3,602.63 | 3/4 | 3,214.83 | 3/4 | 2,826.67 | 3/4 | 2,438.11 | 3/4 | 2,049.50 |
| 8   |       | 8   |       | 8   | 5,043.52 | 8   | 4,706.42 | 8   | 4,352.66 | 8   | 3,981.37 | 8   | 3,594.54 | 8   | 3,206.75 | 8   | 2,818.58 | 8   | 2,430.02 | 8   | 2,041.40 |
| 1/4 |       | 1/4 |       | 1/4 | 5,036.38 | 1/4 | 4,699.24 | 1/4 | 4,345.10 | 1/4 | 3,973.44 | 1/4 | 3,586.45 | 1/4 | 3,198.66 | 1/4 | 2,810.49 | 1/4 | 2,421.92 | 1/4 | 2,033.30 |
| 1/2 |       | 1/2 |       | 1/2 | 5,029.51 | 1/2 | 4,692.04 | 1/2 | 4,337.52 | 1/2 | 3,965.48 | 1/2 | 3,578.37 | 1/2 | 3,190.58 | 1/2 | 2,802.41 | 1/2 | 2,413.82 | 1/2 | 2,025.22 |
| 3/4 |       | 3/4 |       | 3/4 | 5,022.64 | 3/4 | 4,684.84 | 3/4 | 4,329.93 | 3/4 | 3,957.52 | 3/4 | 3,570.28 | 3/4 | 3,182.49 | 3/4 | 2,794.32 | 3/4 | 2,405.73 | 3/4 | 2,017.15 |
| 9   |       | 9   |       | 9   | 5,015.77 | 9   | 4,677.63 | 9   | 4,322.35 | 9   | 3,949.56 | 9   | 3,562.19 | 9   | 3,174.40 | 9   | 2,786.23 | 9   | 2,397.63 | 9   | 2,009.07 |
| 1/4 |       | 1/4 |       | 1/4 | 5,008.91 | 1/4 | 4,670.43 | 1/4 | 4,314.77 | 1/4 | 3,941.59 | 1/4 | 3,554.11 | 1/4 | 3,166.32 | 1/4 | 2,778.15 | 1/4 | 2,389.54 | 1/4 | 2,000.99 |
| 1/2 |       | 1/2 |       | 1/2 | 5,002.01 | 1/2 | 4,663.20 | 1/2 | 4,307.15 | 1/2 | 3,933.60 | 1/2 | 3,546.02 | 1/2 | 3,158.23 | 1/2 | 2,770.05 | 1/2 | 2,381.44 | 1/2 | 1,992.92 |
| 3/4 |       | 3/4 |       | 3/4 | 4,995.12 | 3/4 | 4,655.97 | 3/4 | 4,299.54 | 3/4 | 3,925.61 | 3/4 | 3,537.94 | 3/4 | 3,150.14 | 3/4 | 2,761.96 | 3/4 | 2,373.34 | 3/4 | 1,984.84 |
| 10  |       | 10  |       | 10  | 4,988.22 | 10  | 4,648.73 | 10  | 4,291.93 | 10  | 3,917.62 | 10  | 3,529.85 | 10  | 3,142.06 | 10  | 2,753.86 | 10  | 2,365.25 | 10  | 1,976.77 |
| 1/4 |       | 1/4 |       | 1/4 | 4,981.32 | 1/4 | 4,641.50 | 1/4 | 4,284.32 | 1/4 | 3,909.63 | 1/4 | 3,521.76 | 1/4 | 3,133.97 | 1/4 | 2,745.77 | 1/4 | 2,357.15 | 1/4 | 1,968.70 |
| 1/2 |       | 1/2 |       | 1/2 | 4,974.40 | 1/2 | 4,634.24 | 1/2 | 4,276.68 | 1/2 | 3,901.61 | 1/2 | 3,513.69 | 1/2 | 3,125.88 | 1/2 | 2,737.67 | 1/2 | 2,349.06 | 1/2 | 1,960.63 |
| 3/4 |       | 3/4 |       | 3/4 | 4,967.48 | 3/4 | 4,626.98 | 3/4 | 4,269.05 | 3/4 | 3,893.59 | 3/4 | 3,505.61 | 3/4 | 3,117.80 | 3/4 | 2,729.58 | 3/4 | 2,340.96 | 3/4 | 1,952.55 |
| 11  |       | 11  |       | 11  | 4,960.55 | 11  | 4,619.72 | 11  | 4,261.41 | 11  | 3,885.57 | 11  | 3,497.53 | 11  | 3,109.71 | 11  | 2,721.48 | 11  | 2,332.86 | 11  | 1,944.48 |
| 1/4 |       | 1/4 |       | 1/4 | 4,953.63 | 1/4 | 4,612.46 | 1/4 | 4,253.78 | 1/4 | 3,877.56 | 1/4 | 3,489.45 | 1/4 | 3,101.62 | 1/4 | 2,713.38 | 1/4 | 2,324.77 | 1/4 | 1,936.41 |
| 1/2 |       | 1/2 |       | 1/2 | 4,946.67 | 1/2 | 4,605.16 | 1/2 | 4,246.12 | 1/2 | 3,869.51 | 1/2 | 3,481.37 | 1/2 | 3,093.53 | 1/2 | 2,705.29 | 1/2 | 2,316.67 | 1/2 | 1,928.34 |
| 3/4 |       | 3/4 |       | 3/4 | 4,939.72 | 3/4 | 4,597.87 | 3/4 | 4,238.46 | 3/4 | 3,861.46 | 3/4 | 3,473.30 | 3/4 | 3,085.45 | 3/4 | 2,697.19 | 3/4 | 2,308.57 | 3/4 | 1,920.27 |

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 TO TOP LIP OF 2" HERMETIC VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD.

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



# BARGE "CTCo 356B"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-11 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   | 1,912.19 | 0   | 1,524.43 | 0   | 1,135.97 | 0   | 752.08 | 0   | 372.92 | 0   |        | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 1,904.12 | 1/4 | 1,516.34 | 1/4 | 1,127.88 | 1/4 | 744.28 | 1/4 | 364.82 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,896.05 | 1/2 | 1,508.24 | 1/2 | 1,119.78 | 1/2 | 736.48 | 1/2 | 356.72 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,887.98 | 3/4 | 1,500.15 | 3/4 | 1,111.69 | 3/4 | 728.69 | 3/4 | 348.63 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 1,879.90 | 1   | 1,492.06 | 1   | 1,103.60 | 1   | 720.89 | 1   | 340.53 | 1   |        | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 1,871.83 | 1/4 | 1,483.96 | 1/4 | 1,095.51 | 1/4 | 713.09 | 1/4 | 332.43 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,863.76 | 1/2 | 1,475.87 | 1/2 | 1,087.41 | 1/2 | 705.30 | 1/2 | 324.33 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,855.69 | 3/4 | 1,467.78 | 3/4 | 1,079.32 | 3/4 | 697.50 | 3/4 | 316.23 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 1,847.61 | 2   | 1,459.69 | 2   | 1,071.23 | 2   | 689.70 | 2   | 308.14 | 2   |        | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 1,839.54 | 1/4 | 1,451.59 | 1/4 | 1,063.13 | 1/4 | 681.91 | 1/4 | 300.04 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,831.47 | 1/2 | 1,443.50 | 1/2 | 1,055.04 | 1/2 | 674.11 | 1/2 | 291.94 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,823.40 | 3/4 | 1,435.41 | 3/4 | 1,046.95 | 3/4 | 666.32 | 3/4 | 283.84 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 1,815.32 | 3   | 1,427.31 | 3   | 1,038.85 | 3   | 658.52 | 3   | 275.74 | 3   |        | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 1,807.25 | 1/4 | 1,419.22 | 1/4 | 1,030.76 | 1/4 | 650.73 | 1/4 | 267.64 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,799.18 | 1/2 | 1,411.13 | 1/2 | 1,022.67 | 1/2 | 642.93 | 1/2 | 259.55 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,791.11 | 3/4 | 1,403.04 | 3/4 | 1,014.58 | 3/4 | 635.13 | 3/4 | 251.45 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 1,783.03 | 4   | 1,394.94 | 4   | 1,006.48 | 4   | 627.34 | 4   | 243.35 | 4   |        | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 1,774.96 | 1/4 | 1,386.85 | 1/4 | 998.39   | 1/4 | 619.54 | 1/4 | 235.25 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,766.89 | 1/2 | 1,378.76 | 1/2 | 990.30   | 1/2 | 611.74 | 1/2 | 227.15 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,758.82 | 3/4 | 1,370.66 | 3/4 | 982.20   | 3/4 | 603.95 | 3/4 | 219.05 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 1,750.74 | 5   | 1,362.57 | 5   | 974.11   | 5   | 596.15 | 5   | 210.96 | 5   |        | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 1,742.67 | 1/4 | 1,354.48 | 1/4 | 966.02   | 1/4 | 588.35 | 1/4 | 202.86 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,734.60 | 1/2 | 1,346.39 | 1/2 | 957.93   | 1/2 | 580.55 | 1/2 | 194.76 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,726.53 | 3/4 | 1,338.29 | 3/4 | 949.83   | 3/4 | 572.75 | 3/4 | 186.66 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 1,718.46 | 6   | 1,330.20 | 6   | 941.74   | 6   | 564.95 | 6   | 178.56 | 6   |        | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 1,710.38 | 1/4 | 1,322.11 | 1/4 | 933.65   | 1/4 | 557.14 | 1/4 | 170.46 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,702.31 | 1/2 | 1,314.01 | 1/2 | 925.55   | 1/2 | 549.33 | 1/2 | 162.37 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,694.24 | 3/4 | 1,305.92 | 3/4 | 917.46   | 3/4 | 541.52 | 3/4 | 154.27 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 1,686.17 | 7   | 1,297.83 | 7   | 909.37   | 7   | 533.71 | 7   | 146.17 | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 1,678.09 | 1/4 | 1,289.73 | 1/4 | 901.28   | 1/4 | 525.90 | 1/4 | 138.07 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,670.02 | 1/2 | 1,281.64 | 1/2 | 893.28   | 1/2 | 517.99 | 1/2 | 129.97 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,661.95 | 3/4 | 1,273.55 | 3/4 | 885.29   | 3/4 | 510.08 | 3/4 | 121.87 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 1,653.88 | 8   | 1,265.46 | 8   | 877.30   | 8   | 502.16 | 8   | 113.78 | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 1,645.80 | 1/4 | 1,257.36 | 1/4 | 869.31   | 1/4 | 494.25 | 1/4 | 105.68 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,637.72 | 1/2 | 1,249.27 | 1/2 | 861.46   | 1/2 | 486.19 | 1/2 | 97.58  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,629.63 | 3/4 | 1,241.18 | 3/4 | 853.61   | 3/4 | 478.12 | 3/4 | 89.48  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 1,621.54 | 9   | 1,233.08 | 9   | 845.76   | 9   | 470.06 | 9   | 81.38  | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 1,613.45 | 1/4 | 1,224.99 | 1/4 | 837.90   | 1/4 | 462.00 | 1/4 | 73.28  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,605.36 | 1/2 | 1,216.90 | 1/2 | 830.09   | 1/2 | 453.90 | 1/2 | 65.94  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,597.27 | 3/4 | 1,208.81 | 3/4 | 822.29   | 3/4 | 445.81 | 3/4 | 58.60  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 1,589.17 | 10  | 1,200.71 | 10  | 814.48   | 10  | 437.71 | 10  | 51.27  | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 1,581.08 | 1/4 | 1,192.62 | 1/4 | 806.67   | 1/4 | 429.61 | 1/4 | 43.93  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,572.99 | 1/2 | 1,184.53 | 1/2 | 798.87   | 1/2 | 421.51 | 1/2 | 38.36  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,564.89 | 3/4 | 1,176.43 | 3/4 | 791.07   | 3/4 | 413.41 | 3/4 | 32.79  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 1,556.80 | 11  | 1,168.34 | 11  | 783.27   | 11  | 405.31 | 11  | 27.22  | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 1,548.71 | 1/4 | 1,160.25 | 1/4 | 775.47   | 1/4 | 397.22 | 1/4 | 21.66  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,540.61 | 1/2 | 1,152.16 | 1/2 | 767.67   | 1/2 | 389.12 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,532.52 | 3/4 | 1,144.06 | 3/4 | 759.87   | 3/4 | 381.02 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/11/2015 CL  
CALCULATED: 03/11/2015 CL  
PRINTED: 03/12/2015 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2015

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



# BARGE "CTCo 356B"

## 3 STBD

## ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-11 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   | 4,946.47 | 0   | 4,601.34 | 0   | 4,239.60 | 0   | 3,861.26 | 0   | 3,472.56 | 0   | 3,084.19 | 0   | 2,695.91 | 0   | 2,307.87 |
| 1/4 |       | 1/4 |       | 1/4 | 4,939.44 | 1/4 | 4,593.97 | 1/4 | 4,231.89 | 1/4 | 3,853.21 | 1/4 | 3,464.46 | 1/4 | 3,076.10 | 1/4 | 2,687.83 | 1/4 | 2,299.78 |
| 1/2 |       | 1/2 |       | 1/2 | 5,287.65 | 1/2 | 4,932.44 | 1/2 | 4,586.61 | 1/2 | 4,224.18 | 1/2 | 3,856.15 | 1/2 | 3,456.37 | 1/2 | 3,068.01 | 1/2 | 2,291.68 |
| 3/4 |       | 3/4 |       | 3/4 | 5,282.08 | 3/4 | 4,925.39 | 3/4 | 4,579.22 | 3/4 | 4,216.44 | 3/4 | 3,837.07 | 3/4 | 3,448.28 | 3/4 | 3,059.92 | 3/4 | 2,283.59 |
| 1   |       | 1   |       | 1   | 5,276.51 | 1   | 4,918.35 | 1   | 4,571.82 | 1   | 4,208.70 | 1   | 3,828.98 | 1   | 3,440.18 | 1   | 3,051.83 | 1   | 2,275.50 |
| 1/4 |       | 1/4 |       | 1/4 | 5,270.93 | 1/4 | 4,911.30 | 1/4 | 4,564.43 | 1/4 | 4,200.97 | 1/4 | 3,820.90 | 1/4 | 3,432.09 | 1/4 | 3,043.74 | 1/4 | 2,267.40 |
| 1/2 |       | 1/2 |       | 1/2 | 5,265.36 | 1/2 | 4,904.25 | 1/2 | 4,557.04 | 1/2 | 4,193.23 | 1/2 | 3,812.82 | 1/2 | 3,424.00 | 1/2 | 3,035.65 | 1/2 | 2,259.31 |
| 3/4 |       | 3/4 |       | 3/4 | 5,257.76 | 3/4 | 4,897.18 | 3/4 | 4,549.62 | 3/4 | 4,185.46 | 3/4 | 3,804.72 | 3/4 | 3,415.91 | 3/4 | 3,027.56 | 3/4 | 2,251.22 |
| 2   |       | 2   |       | 2   | 5,250.16 | 2   | 4,890.10 | 2   | 4,542.20 | 2   | 4,177.69 | 2   | 3,796.61 | 2   | 3,407.82 | 2   | 3,019.47 | 2   | 2,243.12 |
| 1/4 |       | 1/4 |       | 1/4 | 5,242.57 | 1/4 | 4,883.03 | 1/4 | 4,534.78 | 1/4 | 4,169.93 | 1/4 | 3,788.51 | 1/4 | 3,399.73 | 1/4 | 3,011.38 | 1/4 | 2,235.03 |
| 1/2 |       | 1/2 |       | 1/2 | 5,234.97 | 1/2 | 4,875.95 | 1/2 | 4,527.36 | 1/2 | 4,162.16 | 1/2 | 3,780.41 | 1/2 | 3,391.63 | 1/2 | 3,003.29 | 1/2 | 2,226.94 |
| 3/4 |       | 3/4 |       | 3/4 | 5,226.86 | 3/4 | 4,868.85 | 3/4 | 4,519.91 | 3/4 | 4,154.37 | 3/4 | 3,772.31 | 3/4 | 3,383.54 | 3/4 | 2,995.20 | 3/4 | 2,218.84 |
| 3   |       | 3   |       | 3   | 5,218.76 | 3   | 4,861.74 | 3   | 4,512.46 | 3   | 4,146.57 | 3   | 3,764.20 | 3   | 3,375.45 | 3   | 2,987.10 | 3   | 2,210.75 |
| 1/4 |       | 1/4 |       | 1/4 | 5,210.65 | 1/4 | 4,854.64 | 1/4 | 4,505.01 | 1/4 | 4,138.77 | 1/4 | 3,756.09 | 1/4 | 3,367.36 | 1/4 | 2,979.01 | 1/4 | 2,202.65 |
| 1/2 |       | 1/2 |       | 1/2 | 5,202.55 | 1/2 | 4,847.54 | 1/2 | 4,497.56 | 1/2 | 4,130.98 | 1/2 | 3,747.99 | 1/2 | 3,359.27 | 1/2 | 2,970.92 | 1/2 | 2,194.56 |
| 3/4 |       | 3/4 |       | 3/4 | 5,194.44 | 3/4 | 4,840.40 | 3/4 | 4,490.08 | 3/4 | 4,123.15 | 3/4 | 3,739.88 | 3/4 | 3,351.18 | 3/4 | 2,962.83 | 3/4 | 2,186.47 |
| 4   |       | 4   |       | 4   | 5,186.33 | 4   | 4,833.27 | 4   | 4,482.60 | 4   | 4,115.33 | 4   | 3,731.78 | 4   | 3,343.09 | 4   | 2,954.74 | 4   | 2,178.37 |
| 1/4 |       | 1/4 |       | 1/4 | 5,178.23 | 1/4 | 4,826.14 | 1/4 | 4,475.12 | 1/4 | 4,107.51 | 1/4 | 3,723.67 | 1/4 | 3,335.00 | 1/4 | 2,946.65 | 1/4 | 2,170.28 |
| 1/2 |       | 1/2 |       | 1/2 | 5,170.12 | 1/2 | 4,819.01 | 1/2 | 4,467.64 | 1/2 | 4,099.68 | 1/2 | 3,715.57 | 1/2 | 3,326.91 | 1/2 | 2,938.56 | 1/2 | 2,162.19 |
| 3/4 |       | 3/4 |       | 3/4 | 5,162.02 | 3/4 | 4,811.84 | 3/4 | 4,460.14 | 3/4 | 4,091.83 | 3/4 | 3,707.46 | 3/4 | 3,318.82 | 3/4 | 2,930.47 | 3/4 | 2,154.09 |
| 5   |       | 5   |       | 5   | 5,153.91 | 5   | 4,804.68 | 5   | 4,452.63 | 5   | 4,083.97 | 5   | 3,699.36 | 5   | 3,310.73 | 5   | 2,922.38 | 5   | 2,146.00 |
| 1/4 |       | 1/4 |       | 1/4 | 5,145.81 | 1/4 | 4,797.52 | 1/4 | 4,445.12 | 1/4 | 4,076.12 | 1/4 | 3,691.25 | 1/4 | 3,302.64 | 1/4 | 2,914.29 | 1/4 | 2,137.91 |
| 1/2 |       | 1/2 |       | 1/2 | 5,137.70 | 1/2 | 4,790.36 | 1/2 | 4,437.61 | 1/2 | 4,068.27 | 1/2 | 3,683.15 | 1/2 | 3,294.55 | 1/2 | 2,906.20 | 1/2 | 2,129.81 |
| 3/4 |       | 3/4 |       | 3/4 | 5,129.60 | 3/4 | 4,783.17 | 3/4 | 4,430.08 | 3/4 | 4,060.39 | 3/4 | 3,675.04 | 3/4 | 3,286.46 | 3/4 | 2,898.11 | 3/4 | 2,121.72 |
| 6   |       | 6   |       | 6   | 5,121.49 | 6   | 4,775.98 | 6   | 4,422.54 | 6   | 4,052.50 | 6   | 3,666.94 | 6   | 3,278.37 | 6   | 2,890.02 | 6   | 2,113.62 |
| 1/4 |       | 1/4 |       | 1/4 | 5,113.39 | 1/4 | 4,768.79 | 1/4 | 4,415.01 | 1/4 | 4,044.62 | 1/4 | 3,658.83 | 1/4 | 3,270.28 | 1/4 | 2,881.93 | 1/4 | 2,105.53 |
| 1/2 |       | 1/2 |       | 1/2 | 5,105.28 | 1/2 | 4,761.60 | 1/2 | 4,407.47 | 1/2 | 4,036.74 | 1/2 | 3,650.72 | 1/2 | 3,262.19 | 1/2 | 2,873.84 | 1/2 | 2,097.44 |
| 3/4 |       | 3/4 |       | 3/4 | 5,097.18 | 3/4 | 4,754.38 | 3/4 | 4,399.90 | 3/4 | 4,028.83 | 3/4 | 3,642.62 | 3/4 | 3,254.09 | 3/4 | 2,865.75 | 3/4 | 2,089.34 |
| 7   |       | 7   |       | 7   | 5,089.07 | 7   | 4,747.16 | 7   | 4,392.34 | 7   | 4,020.92 | 7   | 3,634.51 | 7   | 3,246.00 | 7   | 2,857.66 | 7   | 2,081.25 |
| 1/4 |       | 1/4 |       | 1/4 | 5,080.96 | 1/4 | 4,739.94 | 1/4 | 4,384.77 | 1/4 | 4,013.01 | 1/4 | 3,626.41 | 1/4 | 3,237.91 | 1/4 | 2,849.56 | 1/4 | 2,073.16 |
| 1/2 |       | 1/2 |       | 1/2 | 5,072.86 | 1/2 | 4,732.72 | 1/2 | 4,377.21 | 1/2 | 4,005.10 | 1/2 | 3,618.30 | 1/2 | 3,229.82 | 1/2 | 2,841.47 | 1/2 | 2,065.06 |
| 3/4 |       | 3/4 |       | 3/4 | 5,065.65 | 3/4 | 4,725.47 | 3/4 | 4,369.62 | 3/4 | 3,997.16 | 3/4 | 3,610.20 | 3/4 | 3,221.73 | 3/4 | 2,833.38 | 3/4 | 2,056.97 |
| 8   |       | 8   |       | 8   | 5,058.44 | 8   | 4,718.23 | 8   | 4,362.02 | 8   | 3,989.22 | 8   | 3,602.09 | 8   | 3,213.64 | 8   | 2,825.29 | 8   | 2,048.88 |
| 1/4 |       | 1/4 |       | 1/4 | 5,051.23 | 1/4 | 4,710.98 | 1/4 | 4,354.43 | 1/4 | 3,981.28 | 1/4 | 3,593.99 | 1/4 | 3,205.55 | 1/4 | 2,817.20 | 1/4 | 2,040.78 |
| 1/2 |       | 1/2 |       | 1/2 | 5,044.03 | 1/2 | 4,703.73 | 1/2 | 4,346.83 | 1/2 | 3,973.34 | 1/2 | 3,585.88 | 1/2 | 3,197.46 | 1/2 | 2,809.11 | 1/2 | 2,032.69 |
| 3/4 |       | 3/4 |       | 3/4 | 5,037.09 | 3/4 | 4,696.45 | 3/4 | 4,339.21 | 3/4 | 3,965.37 | 3/4 | 3,577.78 | 3/4 | 3,189.37 | 3/4 | 2,801.02 | 3/4 | 2,024.60 |
| 9   |       | 9   |       | 9   | 5,030.16 | 9   | 4,689.18 | 9   | 4,331.59 | 9   | 3,957.40 | 9   | 3,569.69 | 9   | 3,181.28 | 9   | 2,792.93 | 9   | 2,016.50 |
| 1/4 |       | 1/4 |       | 1/4 | 5,023.23 | 1/4 | 4,681.90 | 1/4 | 4,323.97 | 1/4 | 3,949.43 | 1/4 | 3,561.59 | 1/4 | 3,173.19 | 1/4 | 2,784.84 | 1/4 | 2,008.41 |
| 1/2 |       | 1/2 |       | 1/2 | 5,016.30 | 1/2 | 4,674.62 | 1/2 | 4,316.34 | 1/2 | 3,941.46 | 1/2 | 3,553.50 | 1/2 | 3,165.10 | 1/2 | 2,776.75 | 1/2 | 2,000.31 |
| 3/4 |       | 3/4 |       | 3/4 | 5,009.34 | 3/4 | 4,667.32 | 3/4 | 4,308.69 | 3/4 | 3,933.47 | 3/4 | 3,545.40 | 3/4 | 3,157.01 | 3/4 | 2,768.66 | 3/4 | 1,992.22 |
| 10  |       | 10  |       | 10  | 5,002.38 | 10  | 4,660.01 | 10  | 4,301.04 | 10  | 3,925.47 | 10  | 3,537.31 | 10  | 3,148.92 | 10  | 2,760.57 | 10  | 1,984.13 |
| 1/4 |       | 1/4 |       | 1/4 | 4,995.42 | 1/4 | 4,652.70 | 1/4 | 4,293.39 | 1/4 | 3,917.47 | 1/4 | 3,529.21 | 1/4 | 3,140.83 | 1/4 | 2,752.48 | 1/4 | 1,976.03 |
| 1/2 |       | 1/2 |       | 1/2 | 4,988.46 | 1/2 | 4,645.40 | 1/2 | 4,285.74 | 1/2 | 3,909.48 | 1/2 | 3,521.12 | 1/2 | 3,132.74 | 1/2 | 2,744.39 | 1/2 | 1,967.94 |
| 3/4 |       | 3/4 |       | 3/4 | 4,981.47 | 3/4 | 4,638.06 | 3/4 | 4,278.06 | 3/4 | 3,901.45 | 3/4 | 3,513.03 | 3/4 | 3,124.65 | 3/4 | 2,736.31 | 3/4 | 1,959.85 |
| 11  |       | 11  |       | 11  | 4,974.49 | 11  | 4,630.73 | 11  | 4,270.38 | 11  | 3,893.42 | 11  | 3,504.93 | 11  | 3,116.55 | 11  | 2,728.23 | 11  | 1,951.75 |
| 1/4 |       | 1/4 |       | 1/4 | 4,967.50 | 1/4 | 4,623.40 | 1/4 | 4,262.70 | 1/4 | 3,885.40 | 1/4 | 3,496.84 | 1/4 | 3,108.46 | 1/4 | 2,720.14 | 1/4 | 1,943.66 |
| 1/2 |       | 1/2 |       | 1/2 | 4,960.51 | 1/2 | 4,616.06 | 1/2 | 4,255.02 | 1/2 | 3,877.37 | 1/2 | 3,488.75 | 1/2 | 3,100.37 | 1/2 | 2,712.06 | 1/2 | 1,935.57 |
| 3/4 |       | 3/4 |       | 3/4 | 4,953.49 | 3/4 | 4,608.70 | 3/4 | 4,247.31 | 3/4 | 3,869.32 | 3/4 | 3,480.65 | 3/4 | 3,092.28 | 3/4 | 2,703.99 | 3/4 | 1,927.52 |

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 TO TOP LIP OF 2" HERMETIC VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD.

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



# BARGE "CTCo 356B"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-11 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   | 1,919.46 | 0   | 1,533.60 | 0   | 1,145.14 | 0   | 760.61 | 0   | 380.86 | 0   |        | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 1,911.41 | 1/4 | 1,525.53 | 1/4 | 1,137.05 | 1/4 | 752.79 | 1/4 | 372.77 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,903.36 | 1/2 | 1,517.45 | 1/2 | 1,128.96 | 1/2 | 744.96 | 1/2 | 364.67 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,895.33 | 3/4 | 1,509.35 | 3/4 | 1,120.86 | 3/4 | 737.14 | 3/4 | 356.58 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 1,887.29 | 1   | 1,501.26 | 1   | 1,112.77 | 1   | 729.31 | 1   | 348.49 | 1   |        | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 1,879.25 | 1/4 | 1,493.17 | 1/4 | 1,104.67 | 1/4 | 721.48 | 1/4 | 340.39 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,871.22 | 1/2 | 1,485.07 | 1/2 | 1,096.58 | 1/2 | 713.66 | 1/2 | 332.30 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,863.18 | 3/4 | 1,476.98 | 3/4 | 1,088.49 | 3/4 | 705.83 | 3/4 | 324.21 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 1,855.14 | 2   | 1,468.89 | 2   | 1,080.39 | 2   | 698.01 | 2   | 316.11 | 2   |        | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 1,847.11 | 1/4 | 1,460.79 | 1/4 | 1,072.30 | 1/4 | 690.18 | 1/4 | 308.02 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,839.07 | 1/2 | 1,452.70 | 1/2 | 1,064.21 | 1/2 | 682.36 | 1/2 | 299.93 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,831.04 | 3/4 | 1,444.61 | 3/4 | 1,056.11 | 3/4 | 674.54 | 3/4 | 291.83 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 1,823.00 | 3   | 1,436.51 | 3   | 1,048.02 | 3   | 666.71 | 3   | 283.74 | 3   |        | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 1,814.96 | 1/4 | 1,428.42 | 1/4 | 1,039.93 | 1/4 | 658.89 | 1/4 | 275.65 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,806.93 | 1/2 | 1,420.32 | 1/2 | 1,031.83 | 1/2 | 651.06 | 1/2 | 267.55 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,798.89 | 3/4 | 1,412.23 | 3/4 | 1,023.74 | 3/4 | 643.24 | 3/4 | 259.46 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 1,790.85 | 4   | 1,404.14 | 4   | 1,015.64 | 4   | 635.41 | 4   | 251.37 | 4   |        | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 1,782.82 | 1/4 | 1,396.04 | 1/4 | 1,007.55 | 1/4 | 627.59 | 1/4 | 243.27 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,774.78 | 1/2 | 1,387.95 | 1/2 | 999.46   | 1/2 | 619.76 | 1/2 | 235.18 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,766.74 | 3/4 | 1,379.86 | 3/4 | 991.36   | 3/4 | 611.94 | 3/4 | 227.09 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 1,758.71 | 5   | 1,371.76 | 5   | 983.27   | 5   | 604.11 | 5   | 218.99 | 5   |        | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 1,750.67 | 1/4 | 1,363.67 | 1/4 | 975.18   | 1/4 | 596.28 | 1/4 | 210.90 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,742.64 | 1/2 | 1,355.58 | 1/2 | 967.08   | 1/2 | 588.46 | 1/2 | 202.81 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,734.60 | 3/4 | 1,347.48 | 3/4 | 958.99   | 3/4 | 580.63 | 3/4 | 194.71 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 1,726.56 | 6   | 1,339.39 | 6   | 950.90   | 6   | 572.80 | 6   | 186.62 | 6   |        | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 1,718.53 | 1/4 | 1,331.30 | 1/4 | 942.80   | 1/4 | 564.97 | 1/4 | 178.53 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,710.49 | 1/2 | 1,323.20 | 1/2 | 934.71   | 1/2 | 557.14 | 1/2 | 170.43 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,702.45 | 3/4 | 1,315.11 | 3/4 | 926.62   | 3/4 | 549.30 | 3/4 | 162.34 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 1,694.42 | 7   | 1,307.01 | 7   | 918.52   | 7   | 541.46 | 7   | 154.25 | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 1,686.38 | 1/4 | 1,298.92 | 1/4 | 910.43   | 1/4 | 533.62 | 1/4 | 146.15 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,678.34 | 1/2 | 1,290.83 | 1/2 | 902.33   | 1/2 | 525.78 | 1/2 | 138.06 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,670.31 | 3/4 | 1,282.73 | 3/4 | 894.34   | 3/4 | 517.85 | 3/4 | 129.97 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 1,662.27 | 8   | 1,274.64 | 8   | 886.34   | 8   | 509.91 | 8   | 121.87 | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 1,654.23 | 1/4 | 1,266.55 | 1/4 | 878.34   | 1/4 | 501.97 | 1/4 | 113.78 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,646.20 | 1/2 | 1,258.45 | 1/2 | 870.34   | 1/2 | 494.04 | 1/2 | 105.69 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,638.16 | 3/4 | 1,250.36 | 3/4 | 862.47   | 3/4 | 485.98 | 3/4 | 97.59  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 1,630.13 | 9   | 1,242.27 | 9   | 854.61   | 9   | 477.92 | 9   | 89.50  | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 1,622.09 | 1/4 | 1,234.17 | 1/4 | 846.74   | 1/4 | 469.85 | 1/4 | 81.41  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,614.05 | 1/2 | 1,226.08 | 1/2 | 838.87   | 1/2 | 461.79 | 1/2 | 73.31  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,606.02 | 3/4 | 1,217.98 | 3/4 | 831.05   | 3/4 | 453.70 | 3/4 | 65.98  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 1,597.98 | 10  | 1,209.89 | 10  | 823.22   | 10  | 445.61 | 10  | 58.64  | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 1,589.94 | 1/4 | 1,201.80 | 1/4 | 815.39   | 1/4 | 437.51 | 1/4 | 51.31  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,581.91 | 1/2 | 1,193.70 | 1/2 | 807.56   | 1/2 | 429.42 | 1/2 | 43.98  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,573.87 | 3/4 | 1,185.61 | 3/4 | 799.74   | 3/4 | 421.33 | 3/4 | 38.40  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 1,565.83 | 11  | 1,177.52 | 11  | 791.91   | 11  | 413.23 | 11  | 32.83  | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 1,557.80 | 1/4 | 1,169.42 | 1/4 | 784.09   | 1/4 | 405.14 | 1/4 | 27.26  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 1,549.76 | 1/2 | 1,161.33 | 1/2 | 776.26   | 1/2 | 397.05 | 1/2 | 21.69  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 1,541.68 | 3/4 | 1,153.24 | 3/4 | 768.44   | 3/4 | 388.95 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/11/2015 CL  
CALCULATED: 03/11/2015 CL  
PRINTED: 03/12/2015 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2015

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