



# BARGE "HTCO 3095"

## ULLAGE TRIM TABLE (HERMETIC)

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 237'-09"

May 10, 2018

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

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# BARGE "HTCO 3095"

## 1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/4"

| IN  | 0 FT. | IN  | 1 FT. | IN  | 2 FT. | IN  | 3 FT.    | IN  | 4 FT.    | IN  | 5 FT.    | IN  | 6 FT.    | IN  | 7 FT.    | IN  | 8 FT.    | IN  | 9 FT.    |
|-----|-------|-----|-------|-----|-------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| 0   |       | 0   |       | 0   |       | 0   | 4,690.49 | 0   | 4,333.45 | 0   | 3,975.17 | 0   | 3,616.84 | 0   | 3,258.52 | 0   | 2,900.18 |     |          |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,683.09 | 1/4 | 4,326.00 | 1/4 | 3,967.70 | 1/4 | 3,609.38 | 1/4 | 3,251.05 | 1/4 | 2,892.71 |     |          |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,675.68 | 1/2 | 4,318.54 | 1/2 | 3,960.24 | 1/2 | 3,601.91 | 1/2 | 3,243.59 | 1/2 | 2,885.24 |     |          |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 5,012.03 | 3/4 | 4,668.28 | 3/4 | 4,311.09 | 3/4 | 3,952.77 | 3/4 | 3,594.45 | 3/4 | 3,236.12 | 3/4 | 2,877.77 |
| 1   |       | 1   |       | 1   |       | 1   | 5,007.29 | 1   | 4,660.88 | 1   | 4,303.63 | 1   | 3,945.31 | 1   | 3,586.98 | 1   | 3,228.66 | 1   | 2,870.31 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 5,001.48 | 1/4 | 4,653.45 | 1/4 | 4,296.17 | 1/4 | 3,937.84 | 1/4 | 3,579.52 | 1/4 | 3,221.19 | 1/4 | 2,862.84 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,995.67 | 1/2 | 4,646.03 | 1/2 | 4,288.70 | 1/2 | 3,930.38 | 1/2 | 3,572.05 | 1/2 | 3,213.73 | 1/2 | 2,855.37 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,989.87 | 3/4 | 4,638.61 | 3/4 | 4,281.24 | 3/4 | 3,922.91 | 3/4 | 3,564.59 | 3/4 | 3,206.26 | 3/4 | 2,847.90 |
| 2   |       | 2   |       | 2   |       | 2   | 4,984.06 | 2   | 4,631.19 | 2   | 4,273.77 | 2   | 3,915.45 | 2   | 3,557.12 | 2   | 3,198.80 | 2   | 2,840.43 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,977.25 | 1/4 | 4,623.74 | 1/4 | 4,266.31 | 1/4 | 3,907.98 | 1/4 | 3,549.66 | 1/4 | 3,191.33 | 1/4 | 2,832.96 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,970.44 | 1/2 | 4,616.30 | 1/2 | 4,258.84 | 1/2 | 3,900.52 | 1/2 | 3,542.19 | 1/2 | 3,183.87 | 1/2 | 2,825.49 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,963.64 | 3/4 | 4,608.86 | 3/4 | 4,251.38 | 3/4 | 3,893.05 | 3/4 | 3,534.73 | 3/4 | 3,176.40 | 3/4 | 2,818.02 |
| 3   |       | 3   |       | 3   |       | 3   | 4,956.83 | 3   | 4,601.41 | 3   | 4,243.91 | 3   | 3,885.59 | 3   | 3,527.26 | 3   | 3,168.94 | 3   | 2,810.55 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,949.49 | 1/4 | 4,593.97 | 1/4 | 4,236.45 | 1/4 | 3,878.12 | 1/4 | 3,519.80 | 1/4 | 3,161.47 | 1/4 | 2,803.08 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,942.14 | 1/2 | 4,586.53 | 1/2 | 4,228.98 | 1/2 | 3,870.66 | 1/2 | 3,512.33 | 1/2 | 3,154.01 | 1/2 | 2,795.61 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,934.80 | 3/4 | 4,579.08 | 3/4 | 4,221.52 | 3/4 | 3,863.19 | 3/4 | 3,504.87 | 3/4 | 3,146.54 | 3/4 | 2,788.15 |
| 4   |       | 4   |       | 4   |       | 4   | 4,927.46 | 4   | 4,571.64 | 4   | 4,214.05 | 4   | 3,855.73 | 4   | 3,497.40 | 4   | 3,139.08 | 4   | 2,780.68 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,920.05 | 1/4 | 4,564.20 | 1/4 | 4,206.59 | 1/4 | 3,848.26 | 1/4 | 3,489.94 | 1/4 | 3,131.61 | 1/4 | 2,773.21 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,912.64 | 1/2 | 4,556.75 | 1/2 | 4,199.12 | 1/2 | 3,840.80 | 1/2 | 3,482.47 | 1/2 | 3,124.15 | 1/2 | 2,765.74 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,905.24 | 3/4 | 4,549.31 | 3/4 | 4,191.66 | 3/4 | 3,833.33 | 3/4 | 3,475.01 | 3/4 | 3,116.68 | 3/4 | 2,758.27 |
| 5   |       | 5   |       | 5   |       | 5   | 4,897.83 | 5   | 4,541.87 | 5   | 4,184.19 | 5   | 3,825.87 | 5   | 3,467.54 | 5   | 3,109.22 | 5   | 2,750.80 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,890.42 | 1/4 | 4,534.42 | 1/4 | 4,176.73 | 1/4 | 3,818.40 | 1/4 | 3,460.08 | 1/4 | 3,101.75 | 1/4 | 2,743.33 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,883.01 | 1/2 | 4,526.98 | 1/2 | 4,169.26 | 1/2 | 3,810.94 | 1/2 | 3,452.61 | 1/2 | 3,094.29 | 1/2 | 2,735.86 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,875.61 | 3/4 | 4,519.54 | 3/4 | 4,161.80 | 3/4 | 3,803.47 | 3/4 | 3,445.15 | 3/4 | 3,086.82 | 3/4 | 2,728.39 |
| 6   |       | 6   |       | 6   |       | 6   | 4,868.20 | 6   | 4,512.09 | 6   | 4,154.33 | 6   | 3,796.01 | 6   | 3,437.68 | 6   | 3,079.36 | 6   | 2,720.92 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,860.79 | 1/4 | 4,504.65 | 1/4 | 4,146.87 | 1/4 | 3,788.54 | 1/4 | 3,430.22 | 1/4 | 3,071.89 | 1/4 | 2,713.45 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,853.38 | 1/2 | 4,497.20 | 1/2 | 4,139.40 | 1/2 | 3,781.08 | 1/2 | 3,422.75 | 1/2 | 3,064.43 | 1/2 | 2,705.99 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,845.98 | 3/4 | 4,489.76 | 3/4 | 4,131.94 | 3/4 | 3,773.61 | 3/4 | 3,415.29 | 3/4 | 3,056.96 | 3/4 | 2,698.52 |
| 7   |       | 7   |       | 7   |       | 7   | 4,838.57 | 7   | 4,482.32 | 7   | 4,124.47 | 7   | 3,766.15 | 7   | 3,407.82 | 7   | 3,049.50 | 7   | 2,691.05 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,831.16 | 1/4 | 4,474.87 | 1/4 | 4,117.01 | 1/4 | 3,758.68 | 1/4 | 3,400.36 | 1/4 | 3,042.03 | 1/4 | 2,683.58 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,823.76 | 1/2 | 4,467.43 | 1/2 | 4,109.54 | 1/2 | 3,751.22 | 1/2 | 3,392.89 | 1/2 | 3,034.57 | 1/2 | 2,676.11 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,816.35 | 3/4 | 4,459.99 | 3/4 | 4,102.08 | 3/4 | 3,743.75 | 3/4 | 3,385.43 | 3/4 | 3,027.10 | 3/4 | 2,668.64 |
| 8   |       | 8   |       | 8   |       | 8   | 4,808.95 | 8   | 4,452.54 | 8   | 4,094.61 | 8   | 3,736.29 | 8   | 3,377.96 | 8   | 3,019.64 | 8   | 2,661.17 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,801.54 | 1/4 | 4,445.10 | 1/4 | 4,087.15 | 1/4 | 3,728.82 | 1/4 | 3,370.50 | 1/4 | 3,012.17 | 1/4 | 2,653.70 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,794.14 | 1/2 | 4,437.66 | 1/2 | 4,079.68 | 1/2 | 3,721.36 | 1/2 | 3,363.03 | 1/2 | 3,004.71 | 1/2 | 2,646.23 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,786.74 | 3/4 | 4,430.21 | 3/4 | 4,072.22 | 3/4 | 3,713.89 | 3/4 | 3,355.57 | 3/4 | 2,997.24 | 3/4 | 2,638.76 |
| 9   |       | 9   |       | 9   |       | 9   | 4,779.33 | 9   | 4,422.77 | 9   | 4,064.75 | 9   | 3,706.43 | 9   | 3,348.10 | 9   | 2,989.78 | 9   | 2,631.29 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,771.93 | 1/4 | 4,415.33 | 1/4 | 4,057.29 | 1/4 | 3,698.96 | 1/4 | 3,340.64 | 1/4 | 2,982.31 | 1/4 | 2,623.83 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,764.53 | 1/2 | 4,407.88 | 1/2 | 4,049.82 | 1/2 | 3,691.50 | 1/2 | 3,333.17 | 1/2 | 2,974.85 | 1/2 | 2,616.36 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,757.12 | 3/4 | 4,400.44 | 3/4 | 4,042.36 | 3/4 | 3,684.03 | 3/4 | 3,325.71 | 3/4 | 2,967.38 | 3/4 | 2,608.89 |
| 10  |       | 10  |       | 10  |       | 10  | 4,749.72 | 10  | 4,393.00 | 10  | 4,034.89 | 10  | 3,676.57 | 10  | 3,318.24 | 10  | 2,959.92 | 10  | 2,601.42 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,742.32 | 1/4 | 4,385.55 | 1/4 | 4,027.43 | 1/4 | 3,669.10 | 1/4 | 3,310.78 | 1/4 | 2,952.45 | 1/4 | 2,593.95 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,734.91 | 1/2 | 4,378.11 | 1/2 | 4,019.96 | 1/2 | 3,661.64 | 1/2 | 3,303.31 | 1/2 | 2,944.99 | 1/2 | 2,586.48 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,727.51 | 3/4 | 4,370.67 | 3/4 | 4,012.50 | 3/4 | 3,654.17 | 3/4 | 3,295.85 | 3/4 | 2,937.52 | 3/4 | 2,579.01 |
| 11  |       | 11  |       | 11  |       | 11  | 4,720.10 | 11  | 4,363.22 | 11  | 4,005.03 | 11  | 3,646.71 | 11  | 3,288.38 | 11  | 2,930.06 | 11  | 2,571.54 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,712.70 | 1/4 | 4,355.78 | 1/4 | 3,997.56 | 1/4 | 3,639.24 | 1/4 | 3,280.92 | 1/4 | 2,922.59 | 1/4 | 2,564.07 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,705.30 | 1/2 | 4,348.34 | 1/2 | 3,990.10 | 1/2 | 3,631.78 | 1/2 | 3,273.45 | 1/2 | 2,915.12 | 1/2 | 2,556.60 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,697.89 | 3/4 | 4,340.89 | 3/4 | 3,982.63 | 3/4 | 3,624.31 | 3/4 | 3,265.99 | 3/4 | 2,907.65 | 3/4 | 2,549.13 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE  
 GAUGE POINT: (HERMETIC) LOCATED 12'-07" OFF CENTERLINE AND 46'-00" FORWARD OF AFT BULKHEAD

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# BARGE "HTCO 3095"

## 1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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   | 2,541.67 | 0   | 2,183.15 | 0   | 1,824.63 | 0   | 1,466.11 | 0   | 1,107.66 | 0   | 751.30 | 0   | 397.80 | 0   | 83.45  | 0   |        | 0   |        |
| 1/4 | 2,534.20 | 1/4 | 2,175.68 | 1/4 | 1,817.16 | 1/4 | 1,458.65 | 1/4 | 1,100.22 | 1/4 | 743.83 | 1/4 | 390.82 | 1/4 | 77.42  | 1/4 |        | 1/4 |        |
| 1/2 | 2,526.73 | 1/2 | 2,168.21 | 1/2 | 1,809.69 | 1/2 | 1,451.18 | 1/2 | 1,092.78 | 1/2 | 736.36 | 1/2 | 383.85 | 1/2 | 71.38  | 1/2 |        | 1/2 |        |
| 3/4 | 2,519.26 | 3/4 | 2,160.74 | 3/4 | 1,802.22 | 3/4 | 1,443.71 | 3/4 | 1,085.34 | 3/4 | 728.89 | 3/4 | 376.87 | 3/4 | 65.35  | 3/4 |        | 3/4 |        |
| 1   | 2,511.79 | 1   | 2,153.27 | 1   | 1,794.76 | 1   | 1,436.24 | 1   | 1,077.90 | 1   | 721.42 | 1   | 369.89 | 1   | 59.32  | 1   |        | 1   |        |
| 1/4 | 2,504.32 | 1/4 | 2,145.80 | 1/4 | 1,787.29 | 1/4 | 1,428.77 | 1/4 | 1,070.47 | 1/4 | 713.96 | 1/4 | 362.98 | 1/4 | 53.83  | 1/4 |        | 1/4 |        |
| 1/2 | 2,496.85 | 1/2 | 2,138.33 | 1/2 | 1,779.82 | 1/2 | 1,421.30 | 1/2 | 1,063.03 | 1/2 | 706.49 | 1/2 | 356.08 | 1/2 | 48.34  | 1/2 |        | 1/2 |        |
| 3/4 | 2,489.38 | 3/4 | 2,130.86 | 3/4 | 1,772.35 | 3/4 | 1,413.83 | 3/4 | 1,055.60 | 3/4 | 699.02 | 3/4 | 349.18 | 3/4 | 42.86  | 3/4 |        | 3/4 |        |
| 2   | 2,481.91 | 2   | 2,123.40 | 2   | 1,764.88 | 2   | 1,406.36 | 2   | 1,048.17 | 2   | 691.55 | 2   | 342.27 | 2   | 37.37  | 2   |        | 2   |        |
| 1/4 | 2,474.44 | 1/4 | 2,115.93 | 1/4 | 1,757.41 | 1/4 | 1,398.89 | 1/4 | 1,040.74 | 1/4 | 684.08 | 1/4 | 335.44 | 1/4 | 33.37  | 1/4 |        | 1/4 |        |
| 1/2 | 2,466.97 | 1/2 | 2,108.46 | 1/2 | 1,749.94 | 1/2 | 1,391.42 | 1/2 | 1,033.32 | 1/2 | 676.61 | 1/2 | 328.61 | 1/2 | 29.37  | 1/2 |        | 1/2 |        |
| 3/4 | 2,459.51 | 3/4 | 2,100.99 | 3/4 | 1,742.47 | 3/4 | 1,383.95 | 3/4 | 1,025.89 | 3/4 | 669.14 | 3/4 | 321.78 | 3/4 | 25.36  | 3/4 |        | 3/4 |        |
| 3   | 2,452.04 | 3   | 2,093.52 | 3   | 1,735.00 | 3   | 1,376.49 | 3   | 1,018.47 | 3   | 661.67 | 3   | 314.95 | 3   | 21.36  | 3   |        | 3   |        |
| 1/4 | 2,444.57 | 1/4 | 2,086.05 | 1/4 | 1,727.53 | 1/4 | 1,369.02 | 1/4 | 1,011.05 | 1/4 | 654.20 | 1/4 | 308.20 | 1/4 | 18.45  | 1/4 |        | 1/4 |        |
| 1/2 | 2,437.10 | 1/2 | 2,078.58 | 1/2 | 1,720.06 | 1/2 | 1,361.55 | 1/2 | 1,003.62 | 1/2 | 646.74 | 1/2 | 301.45 | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,429.63 | 3/4 | 2,071.11 | 3/4 | 1,712.60 | 3/4 | 1,354.08 | 3/4 | 996.20   | 3/4 | 639.27 | 3/4 | 294.70 | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 2,422.16 | 4   | 2,063.64 | 4   | 1,705.13 | 4   | 1,346.61 | 4   | 988.78   | 4   | 631.80 | 4   | 287.95 | 4   |        | 4   |        | 4   |        |
| 1/4 | 2,414.69 | 1/4 | 2,056.17 | 1/4 | 1,697.66 | 1/4 | 1,339.14 | 1/4 | 981.36   | 1/4 | 624.33 | 1/4 | 281.28 | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,407.22 | 1/2 | 2,048.70 | 1/2 | 1,690.19 | 1/2 | 1,331.67 | 1/2 | 973.94   | 1/2 | 616.86 | 1/2 | 274.61 | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,399.75 | 3/4 | 2,041.24 | 3/4 | 1,682.72 | 3/4 | 1,324.20 | 3/4 | 966.53   | 3/4 | 609.39 | 3/4 | 267.94 | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 2,392.28 | 5   | 2,033.77 | 5   | 1,675.25 | 5   | 1,316.73 | 5   | 959.11   | 5   | 601.92 | 5   | 261.27 | 5   |        | 5   |        | 5   |        |
| 1/4 | 2,384.81 | 1/4 | 2,026.30 | 1/4 | 1,667.78 | 1/4 | 1,309.26 | 1/4 | 951.69   | 1/4 | 594.45 | 1/4 | 254.69 | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,377.35 | 1/2 | 2,018.83 | 1/2 | 1,660.31 | 1/2 | 1,301.79 | 1/2 | 944.27   | 1/2 | 586.98 | 1/2 | 248.10 | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,369.88 | 3/4 | 2,011.36 | 3/4 | 1,652.84 | 3/4 | 1,294.33 | 3/4 | 936.85   | 3/4 | 579.52 | 3/4 | 241.51 | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 2,362.41 | 6   | 2,003.89 | 6   | 1,645.37 | 6   | 1,286.86 | 6   | 929.44   | 6   | 572.05 | 6   | 234.92 | 6   |        | 6   |        | 6   |        |
| 1/4 | 2,354.94 | 1/4 | 1,996.42 | 1/4 | 1,637.90 | 1/4 | 1,279.39 | 1/4 | 922.02   | 1/4 | 564.60 | 1/4 | 228.42 | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,347.47 | 1/2 | 1,988.95 | 1/2 | 1,630.44 | 1/2 | 1,271.92 | 1/2 | 914.60   | 1/2 | 557.15 | 1/2 | 221.91 | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,340.00 | 3/4 | 1,981.48 | 3/4 | 1,622.97 | 3/4 | 1,264.45 | 3/4 | 907.18   | 3/4 | 549.71 | 3/4 | 215.40 | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 2,332.53 | 7   | 1,974.01 | 7   | 1,615.50 | 7   | 1,256.98 | 7   | 899.76   | 7   | 542.26 | 7   | 208.90 | 7   |        | 7   |        | 7   |        |
| 1/4 | 2,325.06 | 1/4 | 1,966.54 | 1/4 | 1,608.03 | 1/4 | 1,249.51 | 1/4 | 892.35   | 1/4 | 534.87 | 1/4 | 202.47 | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,317.59 | 1/2 | 1,959.08 | 1/2 | 1,600.56 | 1/2 | 1,242.04 | 1/2 | 884.93   | 1/2 | 527.49 | 1/2 | 196.05 | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,310.12 | 3/4 | 1,951.61 | 3/4 | 1,593.09 | 3/4 | 1,234.57 | 3/4 | 877.51   | 3/4 | 520.11 | 3/4 | 189.62 | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 2,302.65 | 8   | 1,944.14 | 8   | 1,585.62 | 8   | 1,227.10 | 8   | 870.09   | 8   | 512.72 | 8   | 183.20 | 8   |        | 8   |        | 8   |        |
| 1/4 | 2,295.19 | 1/4 | 1,936.67 | 1/4 | 1,578.15 | 1/4 | 1,219.63 | 1/4 | 862.67   | 1/4 | 505.42 | 1/4 | 176.85 | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,287.72 | 1/2 | 1,929.20 | 1/2 | 1,570.68 | 1/2 | 1,212.17 | 1/2 | 855.25   | 1/2 | 498.11 | 1/2 | 170.50 | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,280.25 | 3/4 | 1,921.73 | 3/4 | 1,563.21 | 3/4 | 1,204.70 | 3/4 | 847.84   | 3/4 | 490.81 | 3/4 | 164.15 | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 2,272.78 | 9   | 1,914.26 | 9   | 1,555.74 | 9   | 1,197.23 | 9   | 840.42   | 9   | 483.51 | 9   | 157.80 | 9   |        | 9   |        | 9   |        |
| 1/4 | 2,265.31 | 1/4 | 1,906.79 | 1/4 | 1,548.28 | 1/4 | 1,189.76 | 1/4 | 833.00   | 1/4 | 476.28 | 1/4 | 151.52 | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,257.84 | 1/2 | 1,899.32 | 1/2 | 1,540.81 | 1/2 | 1,182.29 | 1/2 | 825.58   | 1/2 | 469.06 | 1/2 | 145.25 | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,250.37 | 3/4 | 1,891.85 | 3/4 | 1,533.34 | 3/4 | 1,174.82 | 3/4 | 818.16   | 3/4 | 461.84 | 3/4 | 138.97 | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 2,242.90 | 10  | 1,884.38 | 10  | 1,525.87 | 10  | 1,167.35 | 10  | 810.75   | 10  | 454.61 | 10  | 132.69 | 10  |        | 10  |        | 10  |        |
| 1/4 | 2,235.43 | 1/4 | 1,876.92 | 1/4 | 1,518.40 | 1/4 | 1,159.88 | 1/4 | 803.33   | 1/4 | 447.47 | 1/4 | 126.50 | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,227.96 | 1/2 | 1,869.45 | 1/2 | 1,510.93 | 1/2 | 1,152.41 | 1/2 | 795.91   | 1/2 | 440.33 | 1/2 | 120.30 | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,220.49 | 3/4 | 1,861.98 | 3/4 | 1,503.46 | 3/4 | 1,144.94 | 3/4 | 788.49   | 3/4 | 433.19 | 3/4 | 114.11 | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 2,213.02 | 11  | 1,854.51 | 11  | 1,495.99 | 11  | 1,137.47 | 11  | 781.07   | 11  | 426.04 | 11  | 107.91 | 11  |        | 11  |        | 11  |        |
| 1/4 | 2,205.56 | 1/4 | 1,847.04 | 1/4 | 1,488.52 | 1/4 | 1,130.02 | 1/4 | 773.63   | 1/4 | 418.98 | 1/4 | 101.80 | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,198.09 | 1/2 | 1,839.57 | 1/2 | 1,481.05 | 1/2 | 1,122.57 | 1/2 | 766.19   | 1/2 | 411.92 | 1/2 | 95.68  | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,190.62 | 3/4 | 1,832.10 | 3/4 | 1,473.58 | 3/4 | 1,115.11 | 3/4 | 758.74   | 3/4 | 404.86 | 3/4 | 89.57  | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/01/2013 CL  
RECALCULATED: 05/09/2018 CL  
REPRINTED: 05/10/2018 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2018

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



# BARGE "HTCO 3095"

1 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 17'-03 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

| IN  | 0 FT. | IN  | 1 FT. | IN  | 2 FT. | IN  | 3 FT. | IN  | 4 FT.    | IN  | 5 FT.    | IN  | 6 FT.    | IN  | 7 FT.    | IN  | 8 FT.    | IN  | 9 FT.    |
|-----|-------|-----|-------|-----|-------|-----|-------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 4,693.86 | 0   | 4,336.69 | 0   | 3,978.28 | 0   | 3,619.83 | 0   | 3,261.39 | 0   | 2,902.94 |
| 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 4,686.45 | 1/4 | 4,329.23 | 1/4 | 3,970.81 | 1/4 | 3,612.37 | 1/4 | 3,253.92 | 1/4 | 2,895.46 |
| 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 4,679.05 | 1/2 | 4,321.77 | 1/2 | 3,963.34 | 1/2 | 3,604.90 | 1/2 | 3,246.45 | 1/2 | 2,887.99 |
| 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 5,015.50 | 3/4 | 4,671.64 | 3/4 | 4,314.31 | 3/4 | 3,955.88 | 3/4 | 3,597.43 | 3/4 | 3,238.99 |
| 1   | 1     | 1   | 1     | 1   | 1     | 1   | 1     | 1   | 5,010.75 | 1   | 4,664.23 | 1   | 4,306.85 | 1   | 3,948.41 | 1   | 3,589.96 | 1   | 3,231.52 |
| 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 5,004.95 | 1/4 | 4,656.81 | 1/4 | 4,299.39 | 1/4 | 3,940.94 | 1/4 | 3,582.50 | 1/4 | 3,224.05 |
| 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 4,999.14 | 1/2 | 4,649.38 | 1/2 | 4,291.92 | 1/2 | 3,933.47 | 1/2 | 3,575.03 | 1/2 | 3,216.58 |
| 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 4,993.33 | 3/4 | 4,641.96 | 3/4 | 4,284.45 | 3/4 | 3,926.01 | 3/4 | 3,567.56 | 3/4 | 3,209.12 |
| 2   | 2     | 2   | 2     | 2   | 2     | 2   | 2     | 2   | 4,987.52 | 2   | 4,634.53 | 2   | 4,276.98 | 2   | 3,918.54 | 2   | 3,560.09 | 2   | 3,201.65 |
| 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 4,980.71 | 1/4 | 4,627.08 | 1/4 | 4,269.52 | 1/4 | 3,911.07 | 1/4 | 3,552.63 | 1/4 | 3,194.18 |
| 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 4,973.90 | 1/2 | 4,619.64 | 1/2 | 4,262.05 | 1/2 | 3,903.60 | 1/2 | 3,545.16 | 1/2 | 3,186.71 |
| 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 4,967.09 | 3/4 | 4,612.19 | 3/4 | 4,254.58 | 3/4 | 3,896.14 | 3/4 | 3,537.69 | 3/4 | 3,179.25 |
| 3   | 3     | 3   | 3     | 3   | 3     | 3   | 3     | 3   | 4,960.28 | 3   | 4,604.75 | 3   | 4,247.11 | 3   | 3,888.67 | 3   | 3,530.22 | 3   | 3,171.78 |
| 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 4,952.94 | 1/4 | 4,597.30 | 1/4 | 4,239.64 | 1/4 | 3,881.20 | 1/4 | 3,522.76 | 1/4 | 3,164.31 |
| 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 4,945.60 | 1/2 | 4,589.85 | 1/2 | 4,232.18 | 1/2 | 3,873.73 | 1/2 | 3,515.29 | 1/2 | 3,156.84 |
| 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 4,938.26 | 3/4 | 4,582.41 | 3/4 | 4,224.71 | 3/4 | 3,866.26 | 3/4 | 3,507.82 | 3/4 | 3,149.38 |
| 4   | 4     | 4   | 4     | 4   | 4     | 4   | 4     | 4   | 4,930.91 | 4   | 4,574.96 | 4   | 4,217.24 | 4   | 3,858.80 | 4   | 3,500.35 | 4   | 3,141.91 |
| 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 4,923.50 | 1/4 | 4,567.52 | 1/4 | 4,209.77 | 1/4 | 3,851.33 | 1/4 | 3,492.88 | 1/4 | 3,134.44 |
| 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 4,916.09 | 1/2 | 4,560.07 | 1/2 | 4,202.31 | 1/2 | 3,843.86 | 1/2 | 3,485.42 | 1/2 | 3,126.97 |
| 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 4,908.68 | 3/4 | 4,552.62 | 3/4 | 4,194.84 | 3/4 | 3,836.39 | 3/4 | 3,477.95 | 3/4 | 3,119.50 |
| 5   | 5     | 5   | 5     | 5   | 5     | 5   | 5     | 5   | 4,901.27 | 5   | 4,545.18 | 5   | 4,187.37 | 5   | 3,828.93 | 5   | 3,470.48 | 5   | 3,112.04 |
| 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 4,893.86 | 1/4 | 4,537.73 | 1/4 | 4,179.90 | 1/4 | 3,821.46 | 1/4 | 3,463.01 | 1/4 | 3,104.57 |
| 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 4,886.45 | 1/2 | 4,530.29 | 1/2 | 4,172.44 | 1/2 | 3,813.99 | 1/2 | 3,455.55 | 1/2 | 3,097.10 |
| 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 4,879.04 | 3/4 | 4,522.84 | 3/4 | 4,164.97 | 3/4 | 3,806.52 | 3/4 | 3,448.08 | 3/4 | 3,089.63 |
| 6   | 6     | 6   | 6     | 6   | 6     | 6   | 6     | 6   | 4,871.63 | 6   | 4,515.40 | 6   | 4,157.50 | 6   | 3,799.06 | 6   | 3,440.61 | 6   | 3,082.17 |
| 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 4,864.22 | 1/4 | 4,507.95 | 1/4 | 4,150.03 | 1/4 | 3,791.59 | 1/4 | 3,433.14 | 1/4 | 3,074.70 |
| 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 4,856.81 | 1/2 | 4,500.50 | 1/2 | 4,142.57 | 1/2 | 3,784.12 | 1/2 | 3,425.68 | 1/2 | 3,067.23 |
| 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 4,849.40 | 3/4 | 4,493.06 | 3/4 | 4,135.10 | 3/4 | 3,776.65 | 3/4 | 3,418.21 | 3/4 | 3,059.76 |
| 7   | 7     | 7   | 7     | 7   | 7     | 7   | 7     | 7   | 4,841.99 | 7   | 4,485.61 | 7   | 4,127.63 | 7   | 3,769.19 | 7   | 3,410.74 | 7   | 3,052.30 |
| 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 4,834.58 | 1/4 | 4,478.17 | 1/4 | 4,120.16 | 1/4 | 3,761.72 | 1/4 | 3,403.27 | 1/4 | 3,044.83 |
| 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 4,827.17 | 1/2 | 4,470.72 | 1/2 | 4,112.70 | 1/2 | 3,754.25 | 1/2 | 3,395.81 | 1/2 | 3,037.36 |
| 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 4,819.77 | 3/4 | 4,463.27 | 3/4 | 4,105.23 | 3/4 | 3,746.78 | 3/4 | 3,388.34 | 3/4 | 3,029.89 |
| 8   | 8     | 8   | 8     | 8   | 8     | 8   | 8     | 8   | 4,812.36 | 8   | 4,455.83 | 8   | 4,097.76 | 8   | 3,739.32 | 8   | 3,380.87 | 8   | 3,022.43 |
| 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 4,804.95 | 1/4 | 4,448.38 | 1/4 | 4,090.29 | 1/4 | 3,731.85 | 1/4 | 3,373.40 | 1/4 | 3,014.96 |
| 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 4,797.55 | 1/2 | 4,440.94 | 1/2 | 4,082.83 | 1/2 | 3,724.38 | 1/2 | 3,365.94 | 1/2 | 3,007.49 |
| 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 4,790.14 | 3/4 | 4,433.49 | 3/4 | 4,075.36 | 3/4 | 3,716.91 | 3/4 | 3,358.47 | 3/4 | 3,000.02 |
| 9   | 9     | 9   | 9     | 9   | 9     | 9   | 9     | 9   | 4,782.73 | 9   | 4,426.04 | 9   | 4,067.89 | 9   | 3,709.45 | 9   | 3,351.00 | 9   | 2,992.56 |
| 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 4,775.33 | 1/4 | 4,418.60 | 1/4 | 4,060.42 | 1/4 | 3,701.98 | 1/4 | 3,343.53 | 1/4 | 2,985.09 |
| 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 4,767.92 | 1/2 | 4,411.15 | 1/2 | 4,052.95 | 1/2 | 3,694.51 | 1/2 | 3,336.07 | 1/2 | 2,977.62 |
| 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 4,760.52 | 3/4 | 4,403.71 | 3/4 | 4,045.49 | 3/4 | 3,687.04 | 3/4 | 3,328.60 | 3/4 | 2,970.15 |
| 10  | 10    | 10  | 10    | 10  | 10    | 10  | 10    | 10  | 4,753.11 | 10  | 4,396.26 | 10  | 4,038.02 | 10  | 3,679.57 | 10  | 3,321.13 | 10  | 2,962.69 |
| 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 4,745.70 | 1/4 | 4,388.82 | 1/4 | 4,030.55 | 1/4 | 3,672.11 | 1/4 | 3,313.66 | 1/4 | 2,955.22 |
| 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 4,738.30 | 1/2 | 4,381.37 | 1/2 | 4,023.08 | 1/2 | 3,664.64 | 1/2 | 3,306.19 | 1/2 | 2,947.75 |
| 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 4,730.89 | 3/4 | 4,373.92 | 3/4 | 4,015.62 | 3/4 | 3,657.17 | 3/4 | 3,298.73 | 3/4 | 2,940.28 |
| 11  | 11    | 11  | 11    | 11  | 11    | 11  | 11    | 11  | 4,723.48 | 11  | 4,366.48 | 11  | 4,008.15 | 11  | 3,649.70 | 11  | 3,291.26 | 11  | 2,932.81 |
| 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 4,716.08 | 1/4 | 4,359.03 | 1/4 | 4,000.68 | 1/4 | 3,642.24 | 1/4 | 3,283.79 | 1/4 | 2,925.35 |
| 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 4,708.67 | 1/2 | 4,351.59 | 1/2 | 3,993.21 | 1/2 | 3,634.77 | 1/2 | 3,276.32 | 1/2 | 2,917.88 |
| 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 4,701.27 | 3/4 | 4,344.14 | 3/4 | 3,985.75 | 3/4 | 3,627.30 | 3/4 | 3,268.86 | 3/4 | 2,910.41 |

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 WITH "HERMETIC" CLOSED GAUGING DEVICE  
 GAUGE POINT: (HERMETIC) LOCATED 12'-07" OFF CENTERLINE AND 46'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "HTCO 3095"

## 1 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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   | 2,544.29 | 0   | 2,185.65 | 0   | 1,827.01 | 0   | 1,468.37 | 0   | 1,109.73 | 0   | 751.58 | 0   | 398.02 | 0   | 83.50  | 0   |        |    |        |
| 1/4 | 2,536.82 | 1/4 | 2,178.18 | 1/4 | 1,819.54 | 1/4 | 1,460.90 | 1/4 | 1,102.26 | 1/4 | 744.11 | 1/4 | 391.04 | 1/4 | 77.47  | 1/4 |        |    |        |
| 1/2 | 2,529.35 | 1/2 | 2,170.71 | 1/2 | 1,812.07 | 1/2 | 1,453.43 | 1/2 | 1,094.79 | 1/2 | 736.64 | 1/2 | 384.05 | 1/2 | 71.43  | 1/2 |        |    |        |
| 3/4 | 2,521.88 | 3/4 | 2,163.24 | 3/4 | 1,804.60 | 3/4 | 1,445.96 | 3/4 | 1,087.31 | 3/4 | 729.17 | 3/4 | 377.07 | 3/4 | 65.39  | 3/4 |        |    |        |
| 1   | 2,514.41 | 1   | 2,155.77 | 1   | 1,797.12 | 1   | 1,438.48 | 1   | 1,079.84 | 1   | 721.70 | 1   | 370.09 | 1   | 59.35  | 1   |        |    |        |
| 1/4 | 2,506.94 | 1/4 | 2,148.29 | 1/4 | 1,789.65 | 1/4 | 1,431.01 | 1/4 | 1,072.37 | 1/4 | 714.23 | 1/4 | 363.18 | 1/4 | 53.86  | 1/4 |        |    |        |
| 1/2 | 2,499.46 | 1/2 | 2,140.82 | 1/2 | 1,782.18 | 1/2 | 1,423.54 | 1/2 | 1,064.90 | 1/2 | 706.76 | 1/2 | 356.28 | 1/2 | 48.38  | 1/2 |        |    |        |
| 3/4 | 2,491.99 | 3/4 | 2,133.35 | 3/4 | 1,774.71 | 3/4 | 1,416.07 | 3/4 | 1,057.44 | 3/4 | 699.28 | 3/4 | 349.37 | 3/4 | 42.89  | 3/4 |        |    |        |
| 2   | 2,484.52 | 2   | 2,125.88 | 2   | 1,767.24 | 2   | 1,408.60 | 2   | 1,049.97 | 2   | 691.81 | 2   | 342.46 | 2   | 37.40  | 2   |        |    |        |
| 1/4 | 2,477.05 | 1/4 | 2,118.41 | 1/4 | 1,759.77 | 1/4 | 1,401.12 | 1/4 | 1,042.50 | 1/4 | 684.34 | 1/4 | 335.63 | 1/4 | 33.39  | 1/4 |        |    |        |
| 1/2 | 2,469.58 | 1/2 | 2,110.94 | 1/2 | 1,752.29 | 1/2 | 1,393.65 | 1/2 | 1,035.04 | 1/2 | 676.87 | 1/2 | 328.80 | 1/2 | 29.38  | 1/2 |        |    |        |
| 3/4 | 2,462.11 | 3/4 | 2,103.46 | 3/4 | 1,744.82 | 3/4 | 1,386.18 | 3/4 | 1,027.57 | 3/4 | 669.40 | 3/4 | 321.96 | 3/4 | 25.38  | 3/4 |        |    |        |
| 3   | 2,454.63 | 3   | 2,095.99 | 3   | 1,737.35 | 3   | 1,378.71 | 3   | 1,020.11 | 3   | 661.93 | 3   | 315.13 | 3   | 21.37  | 3   |        |    |        |
| 1/4 | 2,447.16 | 1/4 | 2,088.52 | 1/4 | 1,729.88 | 1/4 | 1,371.24 | 1/4 | 1,012.65 | 1/4 | 654.45 | 1/4 | 308.38 | 1/4 | 18.46  | 1/4 |        |    |        |
| 1/2 | 2,439.69 | 1/2 | 2,081.05 | 1/2 | 1,722.41 | 1/2 | 1,363.77 | 1/2 | 1,005.18 | 1/2 | 646.98 | 1/2 | 301.62 | 1/2 |        | 1/2 |        |    |        |
| 3/4 | 2,432.22 | 3/4 | 2,073.58 | 3/4 | 1,714.94 | 3/4 | 1,356.29 | 3/4 | 997.72   | 3/4 | 639.51 | 3/4 | 294.87 | 3/4 |        | 3/4 |        |    |        |
| 4   | 2,424.75 | 4   | 2,066.11 | 4   | 1,707.46 | 4   | 1,348.82 | 4   | 990.26   | 4   | 632.04 | 4   | 288.12 | 4   |        | 4   |        |    |        |
| 1/4 | 2,417.28 | 1/4 | 2,058.63 | 1/4 | 1,699.99 | 1/4 | 1,341.35 | 1/4 | 982.80   | 1/4 | 624.57 | 1/4 | 281.44 | 1/4 |        | 1/4 |        |    |        |
| 1/2 | 2,409.80 | 1/2 | 2,051.16 | 1/2 | 1,692.52 | 1/2 | 1,333.88 | 1/2 | 975.35   | 1/2 | 617.10 | 1/2 | 274.77 | 1/2 |        | 1/2 |        |    |        |
| 3/4 | 2,402.33 | 3/4 | 2,043.69 | 3/4 | 1,685.05 | 3/4 | 1,326.41 | 3/4 | 967.89   | 3/4 | 609.63 | 3/4 | 268.10 | 3/4 |        | 3/4 |        |    |        |
| 5   | 2,394.86 | 5   | 2,036.22 | 5   | 1,677.58 | 5   | 1,318.94 | 5   | 960.43   | 5   | 602.15 | 5   | 261.43 | 5   |        | 5   |        |    |        |
| 1/4 | 2,387.39 | 1/4 | 2,028.75 | 1/4 | 1,670.11 | 1/4 | 1,311.46 | 1/4 | 952.97   | 1/4 | 594.68 | 1/4 | 254.83 | 1/4 |        | 1/4 |        |    |        |
| 1/2 | 2,379.92 | 1/2 | 2,021.28 | 1/2 | 1,662.63 | 1/2 | 1,303.99 | 1/2 | 945.51   | 1/2 | 587.21 | 1/2 | 248.24 | 1/2 |        | 1/2 |        |    |        |
| 3/4 | 2,372.45 | 3/4 | 2,013.80 | 3/4 | 1,655.16 | 3/4 | 1,296.52 | 3/4 | 938.06   | 3/4 | 579.74 | 3/4 | 241.65 | 3/4 |        | 3/4 |        |    |        |
| 6   | 2,364.97 | 6   | 2,006.33 | 6   | 1,647.69 | 6   | 1,289.05 | 6   | 930.60   | 6   | 572.27 | 6   | 235.06 | 6   |        | 6   |        |    |        |
| 1/4 | 2,357.50 | 1/4 | 1,998.86 | 1/4 | 1,640.22 | 1/4 | 1,281.58 | 1/4 | 923.14   | 1/4 | 564.82 | 1/4 | 228.55 | 1/4 |        | 1/4 |        |    |        |
| 1/2 | 2,350.03 | 1/2 | 1,991.39 | 1/2 | 1,632.75 | 1/2 | 1,274.11 | 1/2 | 915.68   | 1/2 | 557.38 | 1/2 | 222.04 | 1/2 |        | 1/2 |        |    |        |
| 3/4 | 2,342.56 | 3/4 | 1,983.92 | 3/4 | 1,625.28 | 3/4 | 1,266.63 | 3/4 | 908.23   | 3/4 | 549.93 | 3/4 | 215.53 | 3/4 |        | 3/4 |        |    |        |
| 7   | 2,335.09 | 7   | 1,976.45 | 7   | 1,617.80 | 7   | 1,259.16 | 7   | 900.77   | 7   | 542.49 | 7   | 209.02 | 7   |        | 7   |        |    |        |
| 1/4 | 2,327.62 | 1/4 | 1,968.97 | 1/4 | 1,610.33 | 1/4 | 1,251.69 | 1/4 | 893.31   | 1/4 | 535.11 | 1/4 | 202.59 | 1/4 |        | 1/4 |        |    |        |
| 1/2 | 2,320.14 | 1/2 | 1,961.50 | 1/2 | 1,602.86 | 1/2 | 1,244.22 | 1/2 | 885.85   | 1/2 | 527.73 | 1/2 | 196.17 | 1/2 |        | 1/2 |        |    |        |
| 3/4 | 2,312.67 | 3/4 | 1,954.03 | 3/4 | 1,595.39 | 3/4 | 1,236.75 | 3/4 | 878.39   | 3/4 | 520.35 | 3/4 | 189.74 | 3/4 |        | 3/4 |        |    |        |
| 8   | 2,305.20 | 8   | 1,946.56 | 8   | 1,587.92 | 8   | 1,229.28 | 8   | 870.94   | 8   | 512.97 | 8   | 183.31 | 8   |        | 8   |        |    |        |
| 1/4 | 2,297.73 | 1/4 | 1,939.09 | 1/4 | 1,580.45 | 1/4 | 1,221.80 | 1/4 | 863.48   | 1/4 | 505.66 | 1/4 | 176.96 | 1/4 |        | 1/4 |        |    |        |
| 1/2 | 2,290.26 | 1/2 | 1,931.62 | 1/2 | 1,572.97 | 1/2 | 1,214.33 | 1/2 | 856.02   | 1/2 | 498.36 | 1/2 | 170.60 | 1/2 |        | 1/2 |        |    |        |
| 3/4 | 2,282.79 | 3/4 | 1,924.14 | 3/4 | 1,565.50 | 3/4 | 1,206.86 | 3/4 | 848.56   | 3/4 | 491.06 | 3/4 | 164.25 | 3/4 |        | 3/4 |        |    |        |
| 9   | 2,275.31 | 9   | 1,916.67 | 9   | 1,558.03 | 9   | 1,199.39 | 9   | 841.10   | 9   | 483.76 | 9   | 157.90 | 9   |        | 9   |        |    |        |
| 1/4 | 2,267.84 | 1/4 | 1,909.20 | 1/4 | 1,550.56 | 1/4 | 1,191.92 | 1/4 | 833.65   | 1/4 | 476.53 | 1/4 | 151.62 | 1/4 |        | 1/4 |        |    |        |
| 1/2 | 2,260.37 | 1/2 | 1,901.73 | 1/2 | 1,543.09 | 1/2 | 1,184.45 | 1/2 | 826.19   | 1/2 | 469.30 | 1/2 | 145.34 | 1/2 |        | 1/2 |        |    |        |
| 3/4 | 2,252.90 | 3/4 | 1,894.26 | 3/4 | 1,535.62 | 3/4 | 1,176.97 | 3/4 | 818.73   | 3/4 | 462.08 | 3/4 | 139.06 | 3/4 |        | 3/4 |        |    |        |
| 10  | 2,245.43 | 10  | 1,886.79 | 10  | 1,528.14 | 10  | 1,169.50 | 10  | 811.27   | 10  | 454.85 | 10  | 132.78 | 10  |        | 10  |        |    |        |
| 1/4 | 2,237.96 | 1/4 | 1,879.31 | 1/4 | 1,520.67 | 1/4 | 1,162.03 | 1/4 | 803.82   | 1/4 | 447.71 | 1/4 | 126.58 | 1/4 |        | 1/4 |        |    |        |
| 1/2 | 2,230.48 | 1/2 | 1,871.84 | 1/2 | 1,513.20 | 1/2 | 1,154.56 | 1/2 | 796.36   | 1/2 | 440.56 | 1/2 | 120.38 | 1/2 |        | 1/2 |        |    |        |
| 3/4 | 2,223.01 | 3/4 | 1,864.37 | 3/4 | 1,505.73 | 3/4 | 1,147.09 | 3/4 | 788.90   | 3/4 | 433.42 | 3/4 | 114.18 | 3/4 |        | 3/4 |        |    |        |
| 11  | 2,215.54 | 11  | 1,856.90 | 11  | 1,498.26 | 11  | 1,139.62 | 11  | 781.44   | 11  | 426.27 | 11  | 107.98 | 11  |        | 11  |        |    |        |
| 1/4 | 2,208.07 | 1/4 | 1,849.43 | 1/4 | 1,490.79 | 1/4 | 1,132.14 | 1/4 | 773.98   | 1/4 | 419.21 | 1/4 | 101.86 | 1/4 |        | 1/4 |        |    |        |
| 1/2 | 2,200.60 | 1/2 | 1,841.96 | 1/2 | 1,483.31 | 1/2 | 1,124.67 | 1/2 | 766.51   | 1/2 | 412.14 | 1/2 | 95.74  | 1/2 |        | 1/2 |        |    |        |
| 3/4 | 2,193.13 | 3/4 | 1,834.48 | 3/4 | 1,475.84 | 3/4 | 1,117.20 | 3/4 | 759.05   | 3/4 | 405.08 | 3/4 | 89.62  | 3/4 |        | 3/4 |        |    |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/01/2013 CL  
RECALCULATED: 05/09/2018 CL  
REPRINTED: 05/10/2018 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2018

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& ANALYSIS, INC.  
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Pearland, Texas 77588  
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# BARGE "HTCO 3095"

## 2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

| IN  | 0 FT. | IN  | 1 FT. | IN  | 2 FT. | IN  | 3 FT. | IN  | 4 FT.    | IN  | 5 FT.    | IN  | 6 FT.    | IN  | 7 FT.    | IN  | 8 FT.    | IN  | 9 FT.    |     |          |
|-----|-------|-----|-------|-----|-------|-----|-------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 4,769.13 | 0   | 4,411.17 | 0   | 4,051.95 | 0   | 3,692.67 | 0   | 3,333.39 | 0   | 2,974.11 |     |          |
| 1/4 |       | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 4,761.71 | 1/4 | 4,403.71 | 1/4 | 4,044.47 | 1/4 | 3,685.18 | 1/4 | 3,325.90 | 1/4 | 2,966.63 |     |          |
| 1/2 |       | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 4,754.28 | 1/2 | 4,396.23 | 1/2 | 4,036.98 | 1/2 | 3,677.70 | 1/2 | 3,318.42 | 1/2 | 2,959.14 |     |          |
| 3/4 |       | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 4,746.86 | 3/4 | 4,388.76 | 3/4 | 4,029.50 | 3/4 | 3,670.21 | 3/4 | 3,310.93 | 3/4 | 2,951.65 |     |          |
| 1   | 1     | 1   | 1     | 1   | 1     | 1   | 1     | 1   | 5,084.12 | 1   | 4,739.44 | 1   | 4,381.28 | 1   | 4,022.01 | 1   | 3,662.73 | 1   | 3,303.45 | 1   | 2,944.16 |
| 1/4 |       | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 5,079.36 | 1/4 | 4,732.01 | 1/4 | 4,373.80 | 1/4 | 4,014.53 | 1/4 | 3,655.24 | 1/4 | 3,295.96 | 1/4 | 2,936.67 |
| 1/2 |       | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 5,073.54 | 1/2 | 4,724.57 | 1/2 | 4,366.32 | 1/2 | 4,007.04 | 1/2 | 3,647.76 | 1/2 | 3,288.48 | 1/2 | 2,929.18 |
| 3/4 |       | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 5,067.72 | 3/4 | 4,717.13 | 3/4 | 4,358.83 | 3/4 | 3,999.56 | 3/4 | 3,640.27 | 3/4 | 3,280.99 | 3/4 | 2,921.69 |
| 2   | 2     | 2   | 2     | 2   | 2     | 2   | 2     | 2   | 5,061.90 | 2   | 4,709.68 | 2   | 4,351.35 | 2   | 3,992.07 | 2   | 3,632.79 | 2   | 3,273.51 | 2   | 2,914.21 |
| 1/4 |       | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 5,056.07 | 1/4 | 4,702.24 | 1/4 | 4,343.86 | 1/4 | 3,984.59 | 1/4 | 3,625.30 | 1/4 | 3,266.02 | 1/4 | 2,906.72 |
| 1/2 |       | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 5,049.25 | 1/2 | 4,694.78 | 1/2 | 4,336.38 | 1/2 | 3,977.10 | 1/2 | 3,617.82 | 1/2 | 3,258.54 | 1/2 | 2,899.23 |
| 3/4 |       | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 5,042.42 | 3/4 | 4,687.31 | 3/4 | 4,328.89 | 3/4 | 3,969.62 | 3/4 | 3,610.33 | 3/4 | 3,251.05 | 3/4 | 2,891.74 |
| 3   | 3     | 3   | 3     | 3   | 3     | 3   | 3     | 3   | 5,035.59 | 3   | 4,679.85 | 3   | 4,321.41 | 3   | 3,962.13 | 3   | 3,602.85 | 3   | 3,243.57 | 3   | 2,884.25 |
| 1/4 |       | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 5,028.77 | 1/4 | 4,672.39 | 1/4 | 4,313.92 | 1/4 | 3,954.65 | 1/4 | 3,595.36 | 1/4 | 3,235.08 | 1/4 | 2,876.76 |
| 1/2 |       | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 5,021.40 | 1/2 | 4,664.92 | 1/2 | 4,306.44 | 1/2 | 3,947.16 | 1/2 | 3,587.88 | 1/2 | 3,228.60 | 1/2 | 2,869.27 |
| 3/4 |       | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 5,014.04 | 3/4 | 4,657.46 | 3/4 | 4,298.95 | 3/4 | 3,939.68 | 3/4 | 3,580.39 | 3/4 | 3,221.11 | 3/4 | 2,861.78 |
| 4   | 4     | 4   | 4     | 4   | 4     | 4   | 4     | 4   | 5,006.68 | 4   | 4,650.00 | 4   | 4,291.47 | 4   | 3,932.19 | 4   | 3,572.91 | 4   | 3,213.63 | 4   | 2,854.29 |
| 1/4 |       | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 4,999.32 | 1/4 | 4,642.53 | 1/4 | 4,283.98 | 1/4 | 3,924.70 | 1/4 | 3,565.42 | 1/4 | 3,206.14 | 1/4 | 2,846.80 |
| 1/2 |       | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 4,991.89 | 1/2 | 4,635.07 | 1/2 | 4,276.50 | 1/2 | 3,917.22 | 1/2 | 3,557.94 | 1/2 | 3,198.66 | 1/2 | 2,839.31 |
| 3/4 |       | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 4,984.46 | 3/4 | 4,627.61 | 3/4 | 4,269.01 | 3/4 | 3,909.73 | 3/4 | 3,550.45 | 3/4 | 3,191.17 | 3/4 | 2,831.83 |
| 5   | 5     | 5   | 5     | 5   | 5     | 5   | 5     | 5   | 4,977.04 | 5   | 4,620.14 | 5   | 4,261.53 | 5   | 3,902.25 | 5   | 3,542.97 | 5   | 3,183.69 | 5   | 2,824.34 |
| 1/4 |       | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 4,969.61 | 1/4 | 4,612.68 | 1/4 | 4,254.04 | 1/4 | 3,894.76 | 1/4 | 3,535.48 | 1/4 | 3,176.20 | 1/4 | 2,816.85 |
| 1/2 |       | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 4,962.18 | 1/2 | 4,605.22 | 1/2 | 4,246.56 | 1/2 | 3,887.28 | 1/2 | 3,528.00 | 1/2 | 3,168.72 | 1/2 | 2,809.36 |
| 3/4 |       | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 4,954.75 | 3/4 | 4,597.75 | 3/4 | 4,239.07 | 3/4 | 3,879.79 | 3/4 | 3,520.51 | 3/4 | 3,161.23 | 3/4 | 2,801.87 |
| 6   | 6     | 6   | 6     | 6   | 6     | 6   | 6     | 6   | 4,947.33 | 6   | 4,590.29 | 6   | 4,231.59 | 6   | 3,872.31 | 6   | 3,513.03 | 6   | 3,153.75 | 6   | 2,794.38 |
| 1/4 |       | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 4,939.90 | 1/4 | 4,582.83 | 1/4 | 4,224.10 | 1/4 | 3,864.82 | 1/4 | 3,505.54 | 1/4 | 3,146.26 | 1/4 | 2,786.89 |
| 1/2 |       | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 4,932.47 | 1/2 | 4,575.36 | 1/2 | 4,216.62 | 1/2 | 3,857.34 | 1/2 | 3,498.06 | 1/2 | 3,138.78 | 1/2 | 2,779.40 |
| 3/4 |       | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 4,925.04 | 3/4 | 4,567.90 | 3/4 | 4,209.13 | 3/4 | 3,849.85 | 3/4 | 3,490.57 | 3/4 | 3,131.29 | 3/4 | 2,771.91 |
| 7   | 7     | 7   | 7     | 7   | 7     | 7   | 7     | 7   | 4,917.62 | 7   | 4,560.44 | 7   | 4,201.65 | 7   | 3,842.37 | 7   | 3,483.09 | 7   | 3,123.81 | 7   | 2,764.42 |
| 1/4 |       | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 4,910.19 | 1/4 | 4,552.97 | 1/4 | 4,194.16 | 1/4 | 3,834.88 | 1/4 | 3,475.60 | 1/4 | 3,116.32 | 1/4 | 2,756.93 |
| 1/2 |       | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 4,902.76 | 1/2 | 4,545.51 | 1/2 | 4,186.68 | 1/2 | 3,827.40 | 1/2 | 3,468.12 | 1/2 | 3,108.84 | 1/2 | 2,749.45 |
| 3/4 |       | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 4,895.34 | 3/4 | 4,538.05 | 3/4 | 4,179.19 | 3/4 | 3,819.91 | 3/4 | 3,460.63 | 3/4 | 3,101.35 | 3/4 | 2,741.96 |
| 8   | 8     | 8   | 8     | 8   | 8     | 8   | 8     | 8   | 4,887.91 | 8   | 4,530.58 | 8   | 4,171.71 | 8   | 3,812.43 | 8   | 3,453.15 | 8   | 3,093.87 | 8   | 2,734.47 |
| 1/4 |       | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 4,880.49 | 1/4 | 4,523.12 | 1/4 | 4,164.22 | 1/4 | 3,804.94 | 1/4 | 3,445.66 | 1/4 | 3,086.38 | 1/4 | 2,726.98 |
| 1/2 |       | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 4,873.06 | 1/2 | 4,515.66 | 1/2 | 4,156.74 | 1/2 | 3,797.46 | 1/2 | 3,438.18 | 1/2 | 3,078.90 | 1/2 | 2,719.49 |
| 3/4 |       | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 4,865.64 | 3/4 | 4,508.19 | 3/4 | 4,149.26 | 3/4 | 3,789.97 | 3/4 | 3,430.69 | 3/4 | 3,071.41 | 3/4 | 2,712.00 |
| 9   | 9     | 9   | 9     | 9   | 9     | 9   | 9     | 9   | 4,858.22 | 9   | 4,500.73 | 9   | 4,141.77 | 9   | 3,782.49 | 9   | 3,423.21 | 9   | 3,063.93 | 9   | 2,704.51 |
| 1/4 |       | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 4,850.79 | 1/4 | 4,493.27 | 1/4 | 4,134.29 | 1/4 | 3,775.00 | 1/4 | 3,415.72 | 1/4 | 3,056.44 | 1/4 | 2,697.02 |
| 1/2 |       | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 4,843.37 | 1/2 | 4,485.80 | 1/2 | 4,126.80 | 1/2 | 3,767.52 | 1/2 | 3,408.24 | 1/2 | 3,048.96 | 1/2 | 2,689.53 |
| 3/4 |       | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 4,835.94 | 3/4 | 4,478.34 | 3/4 | 4,119.32 | 3/4 | 3,760.03 | 3/4 | 3,400.75 | 3/4 | 3,041.47 | 3/4 | 2,682.04 |
| 10  | 10    | 10  | 10    | 10  | 10    | 10  | 10    | 10  | 4,828.52 | 10  | 4,470.88 | 10  | 4,111.83 | 10  | 3,752.55 | 10  | 3,393.27 | 10  | 3,033.99 | 10  | 2,674.55 |
| 1/4 |       | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 4,821.10 | 1/4 | 4,463.41 | 1/4 | 4,104.35 | 1/4 | 3,745.06 | 1/4 | 3,385.78 | 1/4 | 3,026.50 | 1/4 | 2,667.06 |
| 1/2 |       | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 4,813.67 | 1/2 | 4,455.95 | 1/2 | 4,096.86 | 1/2 | 3,737.58 | 1/2 | 3,378.30 | 1/2 | 3,019.02 | 1/2 | 2,659.58 |
| 3/4 |       | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 4,806.25 | 3/4 | 4,448.49 | 3/4 | 4,089.38 | 3/4 | 3,730.09 | 3/4 | 3,370.81 | 3/4 | 3,011.53 | 3/4 | 2,652.09 |
| 11  | 11    | 11  | 11    | 11  | 11    | 11  | 11    | 11  | 4,798.83 | 11  | 4,441.02 | 11  | 4,081.89 | 11  | 3,722.61 | 11  | 3,363.33 | 11  | 3,004.05 | 11  | 2,644.60 |
| 1/4 |       | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 4,791.40 | 1/4 | 4,433.56 | 1/4 | 4,074.41 | 1/4 | 3,715.12 | 1/4 | 3,355.84 | 1/4 | 2,996.56 | 1/4 | 2,637.11 |
| 1/2 |       | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 4,783.98 | 1/2 | 4,426.10 | 1/2 | 4,066.92 | 1/2 | 3,707.64 | 1/2 | 3,348.36 | 1/2 | 2,989.08 | 1/2 | 2,629.62 |
| 3/4 |       | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 4,776.56 | 3/4 | 4,418.63 | 3/4 | 4,059.44 | 3/4 | 3,700.15 | 3/4 | 3,340.87 | 3/4 | 2,981.60 | 3/4 | 2,622.13 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE  
 GAUGE POINT: (HERMETIC) LOCATED 12'-07" OFF CENTERLINE AND 46'-00" FORWARD OF AFT BULKHEAD

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





# BARGE "HTCO 3095"

## 2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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   | 2,614.64 | 0   | 2,255.16 | 0   | 1,895.69 | 0   | 1,536.21 | 0   | 1,177.16 | 0   | 831.48 | 0   | 472.17 | 0   | 112.70 | 0   |        | 0   |        |
| 1/4 | 2,607.15 | 1/4 | 2,247.68 | 1/4 | 1,888.20 | 1/4 | 1,528.72 | 1/4 | 1,169.81 | 1/4 | 824.14 | 1/4 | 464.68 | 1/4 | 105.21 | 1/4 |        | 1/4 |        |
| 1/2 | 2,599.66 | 1/2 | 2,240.19 | 1/2 | 1,880.71 | 1/2 | 1,521.23 | 1/2 | 1,162.60 | 1/2 | 816.65 | 1/2 | 457.19 | 1/2 | 97.72  | 1/2 |        | 1/2 |        |
| 3/4 | 2,592.17 | 3/4 | 2,232.70 | 3/4 | 1,873.22 | 3/4 | 1,513.74 | 3/4 | 1,155.40 | 3/4 | 809.17 | 3/4 | 449.70 | 3/4 | 90.23  | 3/4 |        | 3/4 |        |
| 1   | 2,584.68 | 1   | 2,225.21 | 1   | 1,865.73 | 1   | 1,506.25 | 1   | 1,148.19 | 1   | 801.68 | 1   | 442.21 | 1   | 82.74  | 1   |        | 1   |        |
| 1/4 | 2,577.20 | 1/4 | 2,217.72 | 1/4 | 1,858.24 | 1/4 | 1,498.77 | 1/4 | 1,140.99 | 1/4 | 794.19 | 1/4 | 434.72 | 1/4 | 75.25  | 1/4 |        | 1/4 |        |
| 1/2 | 2,569.71 | 1/2 | 2,210.23 | 1/2 | 1,850.75 | 1/2 | 1,491.28 | 1/2 | 1,133.79 | 1/2 | 786.70 | 1/2 | 427.23 | 1/2 | 68.23  | 1/2 |        | 1/2 |        |
| 3/4 | 2,562.22 | 3/4 | 2,202.74 | 3/4 | 1,843.26 | 3/4 | 1,483.79 | 3/4 | 1,126.59 | 3/4 | 779.21 | 3/4 | 419.74 | 3/4 | 61.21  | 3/4 |        | 3/4 |        |
| 2   | 2,554.73 | 2   | 2,195.25 | 2   | 1,835.77 | 2   | 1,476.30 | 2   | 1,119.39 | 2   | 771.72 | 2   | 412.25 | 2   | 54.19  | 2   |        | 2   |        |
| 1/4 | 2,547.24 | 1/4 | 2,187.76 | 1/4 | 1,828.29 | 1/4 | 1,468.81 | 1/4 | 1,112.19 | 1/4 | 764.23 | 1/4 | 404.77 | 1/4 | 47.17  | 1/4 |        | 1/4 |        |
| 1/2 | 2,539.75 | 1/2 | 2,180.27 | 1/2 | 1,820.80 | 1/2 | 1,461.32 | 1/2 | 1,105.00 | 1/2 | 756.74 | 1/2 | 397.28 | 1/2 | 41.55  | 1/2 |        | 1/2 |        |
| 3/4 | 2,532.26 | 3/4 | 2,172.78 | 3/4 | 1,813.31 | 3/4 | 1,453.83 | 3/4 | 1,097.80 | 3/4 | 749.25 | 3/4 | 389.79 | 3/4 | 35.94  | 3/4 |        | 3/4 |        |
| 3   | 2,524.77 | 3   | 2,165.30 | 3   | 1,805.82 | 3   | 1,446.34 | 3   | 1,090.61 | 3   | 741.77 | 3   | 382.30 | 3   | 30.32  | 3   |        | 3   |        |
| 1/4 | 2,517.28 | 1/4 | 2,157.81 | 1/4 | 1,798.33 | 1/4 | 1,438.85 | 1/4 | 1,083.42 | 1/4 | 734.28 | 1/4 | 374.81 | 1/4 | 24.70  | 1/4 |        | 1/4 |        |
| 1/2 | 2,509.79 | 1/2 | 2,150.32 | 1/2 | 1,790.84 | 1/2 | 1,431.36 | 1/2 | 1,076.23 | 1/2 | 726.79 | 1/2 | 367.32 | 1/2 | 20.96  | 1/2 |        | 1/2 |        |
| 3/4 | 2,502.30 | 3/4 | 2,142.83 | 3/4 | 1,783.35 | 3/4 | 1,423.87 | 3/4 | 1,069.04 | 3/4 | 719.30 | 3/4 | 359.83 | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 2,494.82 | 4   | 2,135.34 | 4   | 1,775.86 | 4   | 1,416.39 | 4   | 1,061.85 | 4   | 711.81 | 4   | 352.34 | 4   |        | 4   |        | 4   |        |
| 1/4 | 2,487.33 | 1/4 | 2,127.85 | 1/4 | 1,768.37 | 1/4 | 1,408.90 | 1/4 | 1,054.66 | 1/4 | 704.32 | 1/4 | 344.85 | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,479.84 | 1/2 | 2,120.36 | 1/2 | 1,760.88 | 1/2 | 1,401.41 | 1/2 | 1,047.48 | 1/2 | 696.83 | 1/2 | 337.36 | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,472.35 | 3/4 | 2,112.87 | 3/4 | 1,753.39 | 3/4 | 1,393.92 | 3/4 | 1,040.29 | 3/4 | 689.34 | 3/4 | 329.88 | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 2,464.86 | 5   | 2,105.38 | 5   | 1,745.91 | 5   | 1,386.43 | 5   | 1,033.11 | 5   | 681.85 | 5   | 322.39 | 5   |        | 5   |        | 5   |        |
| 1/4 | 2,457.37 | 1/4 | 2,097.89 | 1/4 | 1,738.42 | 1/4 | 1,378.94 | 1/4 | 1,025.92 | 1/4 | 674.37 | 1/4 | 314.90 | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,449.88 | 1/2 | 2,090.40 | 1/2 | 1,730.93 | 1/2 | 1,371.45 | 1/2 | 1,018.74 | 1/2 | 666.88 | 1/2 | 307.41 | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,442.39 | 3/4 | 2,082.92 | 3/4 | 1,723.44 | 3/4 | 1,363.96 | 3/4 | 1,011.55 | 3/4 | 659.39 | 3/4 | 299.92 | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 2,434.90 | 6   | 2,075.43 | 6   | 1,715.95 | 6   | 1,356.47 | 6   | 1,004.37 | 6   | 651.90 | 6   | 292.43 | 6   |        | 6   |        | 6   |        |
| 1/4 | 2,427.41 | 1/4 | 2,067.94 | 1/4 | 1,708.46 | 1/4 | 1,348.98 | 1/4 | 997.18   | 1/4 | 644.41 | 1/4 | 284.94 | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,419.92 | 1/2 | 2,060.45 | 1/2 | 1,700.97 | 1/2 | 1,341.49 | 1/2 | 990.00   | 1/2 | 636.92 | 1/2 | 277.45 | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,412.44 | 3/4 | 2,052.96 | 3/4 | 1,693.48 | 3/4 | 1,334.01 | 3/4 | 982.81   | 3/4 | 629.43 | 3/4 | 269.96 | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 2,404.95 | 7   | 2,045.47 | 7   | 1,685.99 | 7   | 1,326.52 | 7   | 975.63   | 7   | 621.94 | 7   | 262.48 | 7   |        | 7   |        | 7   |        |
| 1/4 | 2,397.46 | 1/4 | 2,037.98 | 1/4 | 1,678.50 | 1/4 | 1,319.03 | 1/4 | 968.44   | 1/4 | 614.45 | 1/4 | 254.99 | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,389.97 | 1/2 | 2,030.49 | 1/2 | 1,671.01 | 1/2 | 1,311.54 | 1/2 | 961.26   | 1/2 | 606.97 | 1/2 | 247.50 | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,382.48 | 3/4 | 2,023.00 | 3/4 | 1,663.53 | 3/4 | 1,304.05 | 3/4 | 954.07   | 3/4 | 599.48 | 3/4 | 240.01 | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 2,374.99 | 8   | 2,015.51 | 8   | 1,656.04 | 8   | 1,296.56 | 8   | 946.89   | 8   | 591.99 | 8   | 232.52 | 8   |        | 8   |        | 8   |        |
| 1/4 | 2,367.50 | 1/4 | 2,008.02 | 1/4 | 1,648.55 | 1/4 | 1,289.07 | 1/4 | 939.70   | 1/4 | 584.50 | 1/4 | 225.03 | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,360.01 | 1/2 | 2,000.54 | 1/2 | 1,641.06 | 1/2 | 1,281.58 | 1/2 | 932.52   | 1/2 | 577.01 | 1/2 | 217.54 | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,352.52 | 3/4 | 1,993.05 | 3/4 | 1,633.57 | 3/4 | 1,274.09 | 3/4 | 925.33   | 3/4 | 569.52 | 3/4 | 210.05 | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 2,345.03 | 9   | 1,985.56 | 9   | 1,626.08 | 9   | 1,266.60 | 9   | 918.15   | 9   | 562.03 | 9   | 202.56 | 9   |        | 9   |        | 9   |        |
| 1/4 | 2,337.54 | 1/4 | 1,978.07 | 1/4 | 1,618.59 | 1/4 | 1,259.11 | 1/4 | 910.96   | 1/4 | 554.54 | 1/4 | 195.08 | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,330.06 | 1/2 | 1,970.58 | 1/2 | 1,611.10 | 1/2 | 1,251.63 | 1/2 | 903.78   | 1/2 | 547.05 | 1/2 | 187.59 | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,322.57 | 3/4 | 1,963.09 | 3/4 | 1,603.61 | 3/4 | 1,244.14 | 3/4 | 896.59   | 3/4 | 539.57 | 3/4 | 180.10 | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 2,315.08 | 10  | 1,955.60 | 10  | 1,596.12 | 10  | 1,236.65 | 10  | 889.41   | 10  | 532.08 | 10  | 172.61 | 10  |        | 10  |        | 10  |        |
| 1/4 | 2,307.59 | 1/4 | 1,948.11 | 1/4 | 1,588.63 | 1/4 | 1,229.16 | 1/4 | 882.22   | 1/4 | 524.59 | 1/4 | 165.12 | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,300.10 | 1/2 | 1,940.62 | 1/2 | 1,581.15 | 1/2 | 1,221.67 | 1/2 | 875.04   | 1/2 | 517.10 | 1/2 | 157.63 | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,292.61 | 3/4 | 1,933.13 | 3/4 | 1,573.66 | 3/4 | 1,214.18 | 3/4 | 867.85   | 3/4 | 509.61 | 3/4 | 150.14 | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 2,285.12 | 11  | 1,925.64 | 11  | 1,566.17 | 11  | 1,206.69 | 11  | 860.67   | 11  | 502.12 | 11  | 142.65 | 11  |        | 11  |        | 11  |        |
| 1/4 | 2,277.63 | 1/4 | 1,918.16 | 1/4 | 1,558.68 | 1/4 | 1,199.20 | 1/4 | 853.48   | 1/4 | 494.63 | 1/4 | 135.16 | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,270.14 | 1/2 | 1,910.67 | 1/2 | 1,551.19 | 1/2 | 1,191.71 | 1/2 | 846.29   | 1/2 | 487.14 | 1/2 | 127.68 | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,262.65 | 3/4 | 1,903.18 | 3/4 | 1,543.70 | 3/4 | 1,184.22 | 3/4 | 838.81   | 3/4 | 479.65 | 3/4 | 120.19 | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/01/2013 CL  
RECALCULATED: 05/09/2018 CL  
REPRINTED: 05/10/2018 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2018

PRECISION MEASUREMENT  
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# BARGE "HTCO 3095"

## 2 STBD

### ULLAGE TABLE

### HERMETIC

### GAUGE HEIGHT 17'-03 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

| IN  | 0 FT. | IN  | 1 FT. | IN  | 2 FT. | IN  | 3 FT.    | IN  | 4 FT.    | IN  | 5 FT.    | IN  | 6 FT.    | IN  | 7 FT.    | IN  | 8 FT.    | IN  | 9 FT.    |
|-----|-------|-----|-------|-----|-------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| 0   |       | 0   |       | 0   |       | 0   |          | 0   | 4,784.18 | 0   | 4,426.14 | 0   | 4,066.83 | 0   | 3,707.47 | 0   | 3,348.10 | 0   | 2,988.74 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |          | 1/4 | 4,776.76 | 1/4 | 4,418.67 | 1/4 | 4,059.35 | 1/4 | 3,699.98 | 1/4 | 3,340.61 | 1/4 | 2,981.25 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |          | 1/2 | 4,769.33 | 1/2 | 4,411.20 | 1/2 | 4,051.86 | 1/2 | 3,692.49 | 1/2 | 3,333.13 | 1/2 | 2,973.76 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |          | 3/4 | 4,761.91 | 3/4 | 4,403.72 | 3/4 | 4,044.37 | 3/4 | 3,685.01 | 3/4 | 3,325.64 | 3/4 | 2,966.27 |
| 1   |       | 1   |       | 1   |       | 1   | 5,099.23 | 1   | 4,754.48 | 1   | 4,396.24 | 1   | 4,036.89 | 1   | 3,677.52 | 1   | 3,318.15 | 1   | 2,958.78 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 5,094.48 | 1/4 | 4,747.06 | 1/4 | 4,388.77 | 1/4 | 4,029.40 | 1/4 | 3,670.03 | 1/4 | 3,310.67 | 1/4 | 2,951.29 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 5,088.66 | 1/2 | 4,739.61 | 1/2 | 4,381.28 | 1/2 | 4,021.91 | 1/2 | 3,662.55 | 1/2 | 3,303.18 | 1/2 | 2,943.80 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 5,082.83 | 3/4 | 4,732.17 | 3/4 | 4,373.79 | 3/4 | 4,014.43 | 3/4 | 3,655.06 | 3/4 | 3,295.69 | 3/4 | 2,936.31 |
| 2   |       | 2   |       | 2   |       | 2   | 5,077.01 | 2   | 4,724.72 | 2   | 4,366.30 | 2   | 4,006.94 | 2   | 3,647.57 | 2   | 3,288.21 | 2   | 2,928.81 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 5,071.18 | 1/4 | 4,717.28 | 1/4 | 4,358.82 | 1/4 | 3,999.45 | 1/4 | 3,640.09 | 1/4 | 3,280.72 | 1/4 | 2,921.32 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 5,064.36 | 1/2 | 4,709.81 | 1/2 | 4,351.33 | 1/2 | 3,991.97 | 1/2 | 3,632.60 | 1/2 | 3,273.23 | 1/2 | 2,913.83 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 5,057.53 | 3/4 | 4,702.35 | 3/4 | 4,343.84 | 3/4 | 3,984.48 | 3/4 | 3,625.11 | 3/4 | 3,265.75 | 3/4 | 2,906.34 |
| 3   |       | 3   |       | 3   |       | 3   | 5,050.70 | 3   | 4,694.88 | 3   | 4,336.36 | 3   | 3,976.99 | 3   | 3,617.62 | 3   | 3,258.26 | 3   | 2,898.85 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 5,043.87 | 1/4 | 4,687.42 | 1/4 | 4,328.87 | 1/4 | 3,969.50 | 1/4 | 3,610.14 | 1/4 | 3,250.77 | 1/4 | 2,891.36 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 5,036.51 | 1/2 | 4,679.95 | 1/2 | 4,321.38 | 1/2 | 3,962.02 | 1/2 | 3,602.65 | 1/2 | 3,243.28 | 1/2 | 2,883.87 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 5,029.15 | 3/4 | 4,672.49 | 3/4 | 4,313.90 | 3/4 | 3,954.53 | 3/4 | 3,595.16 | 3/4 | 3,235.80 | 3/4 | 2,876.38 |
| 4   |       | 4   |       | 4   |       | 4   | 5,021.79 | 4   | 4,665.02 | 4   | 4,306.41 | 4   | 3,947.04 | 4   | 3,587.68 | 4   | 3,228.31 | 4   | 2,868.89 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 5,014.42 | 1/4 | 4,657.56 | 1/4 | 4,298.92 | 1/4 | 3,939.56 | 1/4 | 3,580.19 | 1/4 | 3,220.82 | 1/4 | 2,861.40 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 5,006.99 | 1/2 | 4,650.09 | 1/2 | 4,291.44 | 1/2 | 3,932.07 | 1/2 | 3,572.70 | 1/2 | 3,213.34 | 1/2 | 2,853.91 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,999.56 | 3/4 | 4,642.63 | 3/4 | 4,283.95 | 3/4 | 3,924.58 | 3/4 | 3,565.22 | 3/4 | 3,205.85 | 3/4 | 2,846.41 |
| 5   |       | 5   |       | 5   |       | 5   | 4,992.14 | 5   | 4,635.16 | 5   | 4,276.46 | 5   | 3,917.10 | 5   | 3,557.73 | 5   | 3,198.36 | 5   | 2,838.92 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,984.71 | 1/4 | 4,627.70 | 1/4 | 4,268.98 | 1/4 | 3,909.61 | 1/4 | 3,550.24 | 1/4 | 3,190.88 | 1/4 | 2,831.43 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,977.28 | 1/2 | 4,620.23 | 1/2 | 4,261.49 | 1/2 | 3,902.12 | 1/2 | 3,542.76 | 1/2 | 3,183.39 | 1/2 | 2,823.94 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,969.85 | 3/4 | 4,612.77 | 3/4 | 4,254.00 | 3/4 | 3,894.64 | 3/4 | 3,535.27 | 3/4 | 3,175.90 | 3/4 | 2,816.45 |
| 6   |       | 6   |       | 6   |       | 6   | 4,962.42 | 6   | 4,605.30 | 6   | 4,246.52 | 6   | 3,887.15 | 6   | 3,527.78 | 6   | 3,168.42 | 6   | 2,808.96 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,954.99 | 1/4 | 4,597.84 | 1/4 | 4,239.03 | 1/4 | 3,879.66 | 1/4 | 3,520.30 | 1/4 | 3,160.93 | 1/4 | 2,801.47 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,947.56 | 1/2 | 4,590.37 | 1/2 | 4,231.54 | 1/2 | 3,872.18 | 1/2 | 3,512.81 | 1/2 | 3,153.44 | 1/2 | 2,793.98 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,940.13 | 3/4 | 4,582.91 | 3/4 | 4,224.06 | 3/4 | 3,864.69 | 3/4 | 3,505.32 | 3/4 | 3,145.96 | 3/4 | 2,786.49 |
| 7   |       | 7   |       | 7   |       | 7   | 4,932.70 | 7   | 4,575.44 | 7   | 4,216.57 | 7   | 3,857.20 | 7   | 3,497.84 | 7   | 3,138.47 | 7   | 2,779.00 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,925.27 | 1/4 | 4,567.97 | 1/4 | 4,209.08 | 1/4 | 3,849.72 | 1/4 | 3,490.35 | 1/4 | 3,130.98 | 1/4 | 2,771.51 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,917.84 | 1/2 | 4,560.51 | 1/2 | 4,201.60 | 1/2 | 3,842.23 | 1/2 | 3,482.86 | 1/2 | 3,123.50 | 1/2 | 2,764.01 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,910.42 | 3/4 | 4,553.04 | 3/4 | 4,194.11 | 3/4 | 3,834.74 | 3/4 | 3,475.38 | 3/4 | 3,116.01 | 3/4 | 2,756.52 |
| 8   |       | 8   |       | 8   |       | 8   | 4,902.99 | 8   | 4,545.58 | 8   | 4,186.62 | 8   | 3,827.26 | 8   | 3,467.89 | 8   | 3,108.52 | 8   | 2,749.03 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,895.56 | 1/4 | 4,538.11 | 1/4 | 4,179.14 | 1/4 | 3,819.77 | 1/4 | 3,460.40 | 1/4 | 3,101.04 | 1/4 | 2,741.54 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,888.14 | 1/2 | 4,530.65 | 1/2 | 4,171.65 | 1/2 | 3,812.28 | 1/2 | 3,452.92 | 1/2 | 3,093.55 | 1/2 | 2,734.05 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,880.71 | 3/4 | 4,523.18 | 3/4 | 4,164.16 | 3/4 | 3,804.80 | 3/4 | 3,445.43 | 3/4 | 3,086.06 | 3/4 | 2,726.56 |
| 9   |       | 9   |       | 9   |       | 9   | 4,873.29 | 9   | 4,515.72 | 9   | 4,156.67 | 9   | 3,797.31 | 9   | 3,437.94 | 9   | 3,078.58 | 9   | 2,719.07 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,865.86 | 1/4 | 4,508.25 | 1/4 | 4,149.19 | 1/4 | 3,789.82 | 1/4 | 3,430.45 | 1/4 | 3,071.09 | 1/4 | 2,711.58 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,858.44 | 1/2 | 4,500.79 | 1/2 | 4,141.70 | 1/2 | 3,782.33 | 1/2 | 3,422.97 | 1/2 | 3,063.60 | 1/2 | 2,704.09 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,851.01 | 3/4 | 4,493.32 | 3/4 | 4,134.21 | 3/4 | 3,774.85 | 3/4 | 3,415.48 | 3/4 | 3,056.11 | 3/4 | 2,696.60 |
| 10  |       | 10  |       | 10  |       | 10  | 4,843.59 | 10  | 4,485.86 | 10  | 4,126.73 | 10  | 3,767.36 | 10  | 3,407.99 | 10  | 3,048.63 | 10  | 2,689.11 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,836.16 | 1/4 | 4,478.39 | 1/4 | 4,119.24 | 1/4 | 3,759.87 | 1/4 | 3,400.51 | 1/4 | 3,041.14 | 1/4 | 2,681.61 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,828.73 | 1/2 | 4,470.93 | 1/2 | 4,111.75 | 1/2 | 3,752.39 | 1/2 | 3,393.02 | 1/2 | 3,033.65 | 1/2 | 2,674.12 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,821.31 | 3/4 | 4,463.46 | 3/4 | 4,104.27 | 3/4 | 3,744.90 | 3/4 | 3,385.53 | 3/4 | 3,026.17 | 3/4 | 2,666.63 |
| 11  |       | 11  |       | 11  |       | 11  | 4,813.88 | 11  | 4,456.00 | 11  | 4,096.78 | 11  | 3,737.41 | 11  | 3,378.05 | 11  | 3,018.68 | 11  | 2,659.14 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,806.46 | 1/4 | 4,448.53 | 1/4 | 4,089.29 | 1/4 | 3,729.93 | 1/4 | 3,370.56 | 1/4 | 3,011.19 | 1/4 | 2,651.65 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,799.03 | 1/2 | 4,441.07 | 1/2 | 4,081.81 | 1/2 | 3,722.44 | 1/2 | 3,363.07 | 1/2 | 3,003.71 | 1/2 | 2,644.16 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,791.61 | 3/4 | 4,433.60 | 3/4 | 4,074.32 | 3/4 | 3,714.95 | 3/4 | 3,355.59 | 3/4 | 2,996.22 | 3/4 | 2,636.67 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE  
 GAUGE POINT: (HERMETIC) LOCATED 12'-07" OFF CENTERLINE AND 46'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
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# BARGE "HTCO 3095"

## 2 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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   | 2,629.18 | 0   | 2,269.62 | 0   | 1,910.05 | 0   | 1,550.49 | 0   | 1,190.93 | 0   | 831.82 | 0   | 472.27 | 0   | 112.73 | 0   |        | 0   |        |
| 1/4 | 2,621.69 | 1/4 | 2,262.12 | 1/4 | 1,902.56 | 1/4 | 1,543.00 | 1/4 | 1,183.44 | 1/4 | 824.33 | 1/4 | 464.78 | 1/4 | 105.23 | 1/4 |        | 1/4 |        |
| 1/2 | 2,614.20 | 1/2 | 2,254.63 | 1/2 | 1,895.07 | 1/2 | 1,535.51 | 1/2 | 1,175.94 | 1/2 | 816.84 | 1/2 | 457.29 | 1/2 | 97.74  | 1/2 |        | 1/2 |        |
| 3/4 | 2,606.71 | 3/4 | 2,247.14 | 3/4 | 1,887.58 | 3/4 | 1,528.02 | 3/4 | 1,168.45 | 3/4 | 809.35 | 3/4 | 449.80 | 3/4 | 90.25  | 3/4 |        | 3/4 |        |
| 1   | 2,599.22 | 1   | 2,239.65 | 1   | 1,880.09 | 1   | 1,520.53 | 1   | 1,160.96 | 1   | 801.86 | 1   | 442.31 | 1   | 82.76  | 1   |        | 1   |        |
| 1/4 | 2,591.72 | 1/4 | 2,232.16 | 1/4 | 1,872.60 | 1/4 | 1,513.03 | 1/4 | 1,153.47 | 1/4 | 794.37 | 1/4 | 434.82 | 1/4 | 75.27  | 1/4 |        | 1/4 |        |
| 1/2 | 2,584.23 | 1/2 | 2,224.67 | 1/2 | 1,865.11 | 1/2 | 1,505.54 | 1/2 | 1,145.98 | 1/2 | 786.88 | 1/2 | 427.33 | 1/2 | 68.25  | 1/2 |        | 1/2 |        |
| 3/4 | 2,576.74 | 3/4 | 2,217.18 | 3/4 | 1,857.62 | 3/4 | 1,498.05 | 3/4 | 1,138.50 | 3/4 | 779.39 | 3/4 | 419.84 | 3/4 | 61.23  | 3/4 |        | 3/4 |        |
| 2   | 2,569.25 | 2   | 2,209.69 | 2   | 1,850.13 | 2   | 1,490.56 | 2   | 1,131.01 | 2   | 771.90 | 2   | 412.35 | 2   | 54.20  | 2   |        | 2   |        |
| 1/4 | 2,561.76 | 1/4 | 2,202.20 | 1/4 | 1,842.63 | 1/4 | 1,483.07 | 1/4 | 1,123.52 | 1/4 | 764.41 | 1/4 | 404.86 | 1/4 | 47.18  | 1/4 |        | 1/4 |        |
| 1/2 | 2,554.27 | 1/2 | 2,194.71 | 1/2 | 1,835.14 | 1/2 | 1,475.58 | 1/2 | 1,116.03 | 1/2 | 756.92 | 1/2 | 397.37 | 1/2 | 41.56  | 1/2 |        | 1/2 |        |
| 3/4 | 2,546.78 | 3/4 | 2,187.22 | 3/4 | 1,827.65 | 3/4 | 1,468.09 | 3/4 | 1,108.55 | 3/4 | 749.43 | 3/4 | 389.88 | 3/4 | 35.95  | 3/4 |        | 3/4 |        |
| 3   | 2,539.29 | 3   | 2,179.72 | 3   | 1,820.16 | 3   | 1,460.60 | 3   | 1,101.06 | 3   | 741.94 | 3   | 382.39 | 3   | 30.33  | 3   |        | 3   |        |
| 1/4 | 2,531.80 | 1/4 | 2,172.23 | 1/4 | 1,812.67 | 1/4 | 1,453.11 | 1/4 | 1,093.58 | 1/4 | 734.45 | 1/4 | 374.90 | 1/4 | 24.71  | 1/4 |        | 1/4 |        |
| 1/2 | 2,524.31 | 1/2 | 2,164.74 | 1/2 | 1,805.18 | 1/2 | 1,445.62 | 1/2 | 1,086.10 | 1/2 | 726.95 | 1/2 | 367.41 | 1/2 | 20.97  | 1/2 |        | 1/2 |        |
| 3/4 | 2,516.82 | 3/4 | 2,157.25 | 3/4 | 1,797.69 | 3/4 | 1,438.13 | 3/4 | 1,078.61 | 3/4 | 719.46 | 3/4 | 359.92 | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 2,509.32 | 4   | 2,149.76 | 4   | 1,790.20 | 4   | 1,430.63 | 4   | 1,071.13 | 4   | 711.97 | 4   | 352.42 | 4   |        | 4   |        | 4   |        |
| 1/4 | 2,501.83 | 1/4 | 2,142.27 | 1/4 | 1,782.71 | 1/4 | 1,423.14 | 1/4 | 1,063.65 | 1/4 | 704.48 | 1/4 | 344.93 | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,494.34 | 1/2 | 2,134.78 | 1/2 | 1,775.22 | 1/2 | 1,415.65 | 1/2 | 1,056.17 | 1/2 | 696.99 | 1/2 | 337.44 | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,486.85 | 3/4 | 2,127.29 | 3/4 | 1,767.73 | 3/4 | 1,408.16 | 3/4 | 1,048.69 | 3/4 | 689.50 | 3/4 | 329.95 | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 2,479.36 | 5   | 2,119.80 | 5   | 1,760.23 | 5   | 1,400.67 | 5   | 1,041.22 | 5   | 682.01 | 5   | 322.46 | 5   |        | 5   |        | 5   |        |
| 1/4 | 2,471.87 | 1/4 | 2,112.31 | 1/4 | 1,752.74 | 1/4 | 1,393.18 | 1/4 | 1,033.74 | 1/4 | 674.52 | 1/4 | 314.97 | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,464.38 | 1/2 | 2,104.82 | 1/2 | 1,745.25 | 1/2 | 1,385.69 | 1/2 | 1,026.26 | 1/2 | 667.03 | 1/2 | 307.48 | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,456.89 | 3/4 | 2,097.32 | 3/4 | 1,737.76 | 3/4 | 1,378.20 | 3/4 | 1,018.78 | 3/4 | 659.54 | 3/4 | 299.99 | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 2,449.40 | 6   | 2,089.83 | 6   | 1,730.27 | 6   | 1,370.71 | 6   | 1,011.31 | 6   | 652.05 | 6   | 292.50 | 6   |        | 6   |        | 6   |        |
| 1/4 | 2,441.91 | 1/4 | 2,082.34 | 1/4 | 1,722.78 | 1/4 | 1,363.22 | 1/4 | 1,003.83 | 1/4 | 644.56 | 1/4 | 285.01 | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,434.42 | 1/2 | 2,074.85 | 1/2 | 1,715.29 | 1/2 | 1,355.73 | 1/2 | 996.35   | 1/2 | 637.07 | 1/2 | 277.52 | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,426.92 | 3/4 | 2,067.36 | 3/4 | 1,707.80 | 3/4 | 1,348.23 | 3/4 | 988.87   | 3/4 | 629.58 | 3/4 | 270.03 | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 2,419.43 | 7   | 2,059.87 | 7   | 1,700.31 | 7   | 1,340.74 | 7   | 981.39   | 7   | 622.09 | 7   | 262.54 | 7   |        | 7   |        | 7   |        |
| 1/4 | 2,411.94 | 1/4 | 2,052.38 | 1/4 | 1,692.82 | 1/4 | 1,333.25 | 1/4 | 973.92   | 1/4 | 614.60 | 1/4 | 255.05 | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,404.45 | 1/2 | 2,044.89 | 1/2 | 1,685.33 | 1/2 | 1,325.76 | 1/2 | 966.44   | 1/2 | 607.10 | 1/2 | 247.56 | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,396.96 | 3/4 | 2,037.40 | 3/4 | 1,677.83 | 3/4 | 1,318.27 | 3/4 | 958.96   | 3/4 | 599.61 | 3/4 | 240.07 | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 2,389.47 | 8   | 2,029.91 | 8   | 1,670.34 | 8   | 1,310.78 | 8   | 951.48   | 8   | 592.12 | 8   | 232.57 | 8   |        | 8   |        | 8   |        |
| 1/4 | 2,381.98 | 1/4 | 2,022.42 | 1/4 | 1,662.85 | 1/4 | 1,303.29 | 1/4 | 944.01   | 1/4 | 584.63 | 1/4 | 225.08 | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,374.49 | 1/2 | 2,014.92 | 1/2 | 1,655.36 | 1/2 | 1,295.80 | 1/2 | 936.53   | 1/2 | 577.14 | 1/2 | 217.59 | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,367.00 | 3/4 | 2,007.43 | 3/4 | 1,647.87 | 3/4 | 1,288.31 | 3/4 | 929.05   | 3/4 | 569.65 | 3/4 | 210.10 | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 2,359.51 | 9   | 1,999.94 | 9   | 1,640.38 | 9   | 1,280.82 | 9   | 921.57   | 9   | 562.16 | 9   | 202.61 | 9   |        | 9   |        | 9   |        |
| 1/4 | 2,352.02 | 1/4 | 1,992.45 | 1/4 | 1,632.89 | 1/4 | 1,273.33 | 1/4 | 914.09   | 1/4 | 554.67 | 1/4 | 195.12 | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,344.52 | 1/2 | 1,984.96 | 1/2 | 1,625.40 | 1/2 | 1,265.83 | 1/2 | 906.62   | 1/2 | 547.18 | 1/2 | 187.63 | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,337.03 | 3/4 | 1,977.47 | 3/4 | 1,617.91 | 3/4 | 1,258.34 | 3/4 | 899.14   | 3/4 | 539.69 | 3/4 | 180.14 | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 2,329.54 | 10  | 1,969.98 | 10  | 1,610.42 | 10  | 1,250.85 | 10  | 891.66   | 10  | 532.20 | 10  | 172.65 | 10  |        | 10  |        | 10  |        |
| 1/4 | 2,322.05 | 1/4 | 1,962.49 | 1/4 | 1,602.93 | 1/4 | 1,243.36 | 1/4 | 884.18   | 1/4 | 524.71 | 1/4 | 165.16 | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,314.56 | 1/2 | 1,955.00 | 1/2 | 1,595.43 | 1/2 | 1,235.87 | 1/2 | 876.71   | 1/2 | 517.22 | 1/2 | 157.67 | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,307.07 | 3/4 | 1,947.51 | 3/4 | 1,587.94 | 3/4 | 1,228.38 | 3/4 | 869.23   | 3/4 | 509.73 | 3/4 | 150.18 | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 2,299.58 | 11  | 1,940.02 | 11  | 1,580.45 | 11  | 1,220.89 | 11  | 861.75   | 11  | 502.24 | 11  | 142.69 | 11  |        | 11  |        | 11  |        |
| 1/4 | 2,292.09 | 1/4 | 1,932.53 | 1/4 | 1,572.96 | 1/4 | 1,213.40 | 1/4 | 854.27   | 1/4 | 494.75 | 1/4 | 135.20 | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,284.60 | 1/2 | 1,925.03 | 1/2 | 1,565.47 | 1/2 | 1,205.91 | 1/2 | 846.79   | 1/2 | 487.26 | 1/2 | 127.71 | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,277.11 | 3/4 | 1,917.54 | 3/4 | 1,557.98 | 3/4 | 1,198.42 | 3/4 | 839.30   | 3/4 | 479.76 | 3/4 | 120.22 | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/01/2013 CL  
RECALCULATED: 05/09/2018 CL  
REPRINTED: 05/10/2018 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2018

PRECISION MEASUREMENT  
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# BARGE "HTCO 3095"

## 3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03"

| IN  | 0 FT. | IN  | 1 FT. | IN  | 2 FT. | IN  | 3 FT.    | IN  | 4 FT.    | IN  | 5 FT.    | IN  | 6 FT.    | IN  | 7 FT.    | IN  | 8 FT.    | IN  | 9 FT.    |
|-----|-------|-----|-------|-----|-------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0        | 0   | 4,368.48 | 0   | 4,121.97 | 0   | 3,874.66 | 0   | 3,627.33 | 0   | 3,296.29 | 0   | 2,939.69 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |          | 1/4 | 4,363.37 | 1/4 | 4,116.83 | 1/4 | 3,869.51 | 1/4 | 3,622.18 | 1/4 | 3,288.88 | 1/4 | 2,932.26 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,591.94 | 1/2 | 4,358.26 | 1/2 | 4,111.68 | 1/2 | 3,864.36 | 1/2 | 3,617.02 | 1/2 | 3,281.47 | 1/2 | 2,924.83 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,589.49 | 3/4 | 4,353.15 | 3/4 | 4,106.54 | 3/4 | 3,859.21 | 3/4 | 3,611.87 | 3/4 | 3,274.06 | 3/4 | 2,917.39 |
| 1   | 1     | 1   | 1     | 1   | 1     | 1   | 4,585.97 | 1   | 4,348.02 | 1   | 4,101.39 | 1   | 3,854.05 | 1   | 3,606.72 | 1   | 3,266.64 | 1   | 2,909.96 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,582.46 | 1/4 | 4,342.90 | 1/4 | 4,096.23 | 1/4 | 3,848.90 | 1/4 | 3,601.57 | 1/4 | 3,259.22 | 1/4 | 2,902.52 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,578.94 | 1/2 | 4,337.77 | 1/2 | 4,091.08 | 1/2 | 3,843.75 | 1/2 | 3,596.41 | 1/2 | 3,251.80 | 1/2 | 2,895.09 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,575.42 | 3/4 | 4,332.65 | 3/4 | 4,085.93 | 3/4 | 3,838.59 | 3/4 | 3,591.26 | 3/4 | 3,244.38 | 3/4 | 2,887.66 |
| 2   | 2     | 2   | 2     | 2   | 2     | 2   | 4,570.91 | 2   | 4,327.51 | 2   | 4,080.78 | 2   | 3,833.44 | 2   | 3,585.53 | 2   | 3,236.94 | 2   | 2,880.22 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,566.40 | 1/4 | 4,322.37 | 1/4 | 4,075.62 | 1/4 | 3,828.29 | 1/4 | 3,579.80 | 1/4 | 3,229.51 | 1/4 | 2,872.79 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,561.88 | 1/2 | 4,317.23 | 1/2 | 4,070.47 | 1/2 | 3,823.14 | 1/2 | 3,574.08 | 1/2 | 3,222.08 | 1/2 | 2,865.36 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,557.37 | 3/4 | 4,312.09 | 3/4 | 4,065.32 | 3/4 | 3,817.98 | 3/4 | 3,568.35 | 3/4 | 3,214.65 | 3/4 | 2,857.92 |
| 3   | 3     | 3   | 3     | 3   | 3     | 3   | 4,552.32 | 3   | 4,306.96 | 3   | 4,060.16 | 3   | 3,812.83 | 3   | 3,561.49 | 3   | 3,207.22 | 3   | 2,850.49 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,547.27 | 1/4 | 4,301.82 | 1/4 | 4,055.01 | 1/4 | 3,807.68 | 1/4 | 3,554.63 | 1/4 | 3,199.79 | 1/4 | 2,843.05 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,542.23 | 1/2 | 4,296.68 | 1/2 | 4,049.86 | 1/2 | 3,802.52 | 1/2 | 3,547.76 | 1/2 | 3,192.36 | 1/2 | 2,835.62 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,537.18 | 3/4 | 4,291.54 | 3/4 | 4,044.71 | 3/4 | 3,797.37 | 3/4 | 3,540.90 | 3/4 | 3,184.93 | 3/4 | 2,828.19 |
| 4   | 4     | 4   | 4     | 4   | 4     | 4   | 4,532.07 | 4   | 4,286.40 | 4   | 4,039.55 | 4   | 3,792.22 | 4   | 3,533.48 | 4   | 3,177.50 | 4   | 2,820.75 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,526.95 | 1/4 | 4,281.27 | 1/4 | 4,034.40 | 1/4 | 3,787.07 | 1/4 | 3,526.06 | 1/4 | 3,170.06 | 1/4 | 2,813.32 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,521.84 | 1/2 | 4,276.13 | 1/2 | 4,029.25 | 1/2 | 3,781.91 | 1/2 | 3,518.64 | 1/2 | 3,162.63 | 1/2 | 2,805.89 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,516.72 | 3/4 | 4,270.99 | 3/4 | 4,024.09 | 3/4 | 3,776.76 | 3/4 | 3,511.21 | 3/4 | 3,155.20 | 3/4 | 2,798.45 |
| 5   | 5     | 5   | 5     | 5   | 5     | 5   | 4,511.61 | 5   | 4,265.85 | 5   | 4,018.94 | 5   | 3,771.61 | 5   | 3,503.80 | 5   | 3,147.77 | 5   | 2,791.02 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,506.50 | 1/4 | 4,260.71 | 1/4 | 4,013.79 | 1/4 | 3,766.45 | 1/4 | 3,496.38 | 1/4 | 3,140.34 | 1/4 | 2,783.58 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,501.38 | 1/2 | 4,255.57 | 1/2 | 4,008.64 | 1/2 | 3,761.30 | 1/2 | 3,488.97 | 1/2 | 3,132.91 | 1/2 | 2,776.15 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,496.27 | 3/4 | 4,250.44 | 3/4 | 4,003.48 | 3/4 | 3,756.15 | 3/4 | 3,481.55 | 3/4 | 3,125.48 | 3/4 | 2,768.72 |
| 6   | 6     | 6   | 6     | 6   | 6     | 6   | 4,491.16 | 6   | 4,245.30 | 6   | 3,998.33 | 6   | 3,751.00 | 6   | 3,474.14 | 6   | 3,118.05 | 6   | 2,761.28 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,486.04 | 1/4 | 4,240.16 | 1/4 | 3,993.18 | 1/4 | 3,745.84 | 1/4 | 3,466.73 | 1/4 | 3,110.62 | 1/4 | 2,753.85 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,480.93 | 1/2 | 4,235.02 | 1/2 | 3,988.03 | 1/2 | 3,740.69 | 1/2 | 3,459.32 | 1/2 | 3,103.18 | 1/2 | 2,746.41 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,475.82 | 3/4 | 4,229.88 | 3/4 | 3,982.87 | 3/4 | 3,735.54 | 3/4 | 3,451.91 | 3/4 | 3,095.75 | 3/4 | 2,738.98 |
| 7   | 7     | 7   | 7     | 7   | 7     | 7   | 4,470.70 | 7   | 4,224.75 | 7   | 3,977.72 | 7   | 3,730.39 | 7   | 3,444.50 | 7   | 3,088.32 | 7   | 2,731.55 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,465.59 | 1/4 | 4,219.61 | 1/4 | 3,972.57 | 1/4 | 3,725.23 | 1/4 | 3,437.09 | 1/4 | 3,080.89 | 1/4 | 2,724.11 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,460.48 | 1/2 | 4,214.47 | 1/2 | 3,967.41 | 1/2 | 3,720.08 | 1/2 | 3,429.68 | 1/2 | 3,073.46 | 1/2 | 2,716.68 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,455.37 | 3/4 | 4,209.33 | 3/4 | 3,962.26 | 3/4 | 3,714.93 | 3/4 | 3,422.27 | 3/4 | 3,066.03 | 3/4 | 2,709.25 |
| 8   | 8     | 8   | 8     | 8   | 8     | 8   | 4,450.26 | 8   | 4,204.19 | 8   | 3,957.11 | 8   | 3,709.77 | 8   | 3,414.86 | 8   | 3,058.60 | 8   | 2,701.81 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,445.15 | 1/4 | 4,199.05 | 1/4 | 3,951.96 | 1/4 | 3,704.62 | 1/4 | 3,407.45 | 1/4 | 3,051.17 | 1/4 | 2,694.38 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,440.03 | 1/2 | 4,193.92 | 1/2 | 3,946.80 | 1/2 | 3,699.47 | 1/2 | 3,400.04 | 1/2 | 3,043.74 | 1/2 | 2,686.94 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,434.92 | 3/4 | 4,188.78 | 3/4 | 3,941.65 | 3/4 | 3,694.32 | 3/4 | 3,392.63 | 3/4 | 3,036.30 | 3/4 | 2,679.51 |
| 9   | 9     | 9   | 9     | 9   | 9     | 9   | 4,429.81 | 9   | 4,183.64 | 9   | 3,936.50 | 9   | 3,689.16 | 9   | 3,385.21 | 9   | 3,028.87 | 9   | 2,672.08 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,424.70 | 1/4 | 4,178.50 | 1/4 | 3,931.34 | 1/4 | 3,684.01 | 1/4 | 3,377.80 | 1/4 | 3,021.44 | 1/4 | 2,664.64 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,419.59 | 1/2 | 4,173.36 | 1/2 | 3,926.19 | 1/2 | 3,678.86 | 1/2 | 3,370.39 | 1/2 | 3,014.01 | 1/2 | 2,657.21 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,414.48 | 3/4 | 4,168.22 | 3/4 | 3,921.04 | 3/4 | 3,673.70 | 3/4 | 3,362.98 | 3/4 | 3,006.58 | 3/4 | 2,649.78 |
| 10  | 10    | 10  | 10    | 10  | 10    | 10  | 4,409.37 | 10  | 4,163.09 | 10  | 3,915.89 | 10  | 3,668.55 | 10  | 3,355.57 | 10  | 2,999.15 | 10  | 2,642.34 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,404.26 | 1/4 | 4,157.95 | 1/4 | 3,910.73 | 1/4 | 3,663.40 | 1/4 | 3,348.16 | 1/4 | 2,991.72 | 1/4 | 2,634.91 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,399.15 | 1/2 | 4,152.81 | 1/2 | 3,905.58 | 1/2 | 3,658.25 | 1/2 | 3,340.75 | 1/2 | 2,984.29 | 1/2 | 2,627.47 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,394.04 | 3/4 | 4,147.67 | 3/4 | 3,900.43 | 3/4 | 3,653.09 | 3/4 | 3,333.34 | 3/4 | 2,976.86 | 3/4 | 2,620.04 |
| 11  | 11    | 11  | 11    | 11  | 11    | 11  | 4,388.93 | 11  | 4,142.53 | 11  | 3,895.27 | 11  | 3,647.94 | 11  | 3,325.93 | 11  | 2,969.42 | 11  | 2,612.60 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,383.81 | 1/4 | 4,137.40 | 1/4 | 3,890.12 | 1/4 | 3,642.79 | 1/4 | 3,318.52 | 1/4 | 2,961.99 | 1/4 | 2,605.17 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,378.70 | 1/2 | 4,132.26 | 1/2 | 3,884.97 | 1/2 | 3,637.63 | 1/2 | 3,311.11 | 1/2 | 2,954.56 | 1/2 | 2,597.73 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,373.59 | 3/4 | 4,127.12 | 3/4 | 3,879.82 | 3/4 | 3,632.48 | 3/4 | 3,303.70 | 3/4 | 2,947.13 | 3/4 | 2,590.29 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE  
 GAUGE POINT: (HERMETIC) LOCATED 12'-07" OFF CENTERLINE AND 46'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "HTCO 3095"

## 3 PORT ULLAGE TABLE HERMETIC GAUGE HEIGHT 17'-03"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

| 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   | 2,582.85 | 0   | 2,227.10 | 0   | 1,872.75 | 0   | 1,515.58 | 0   | 1,159.04 | 0   | 812.04 | 0   | 454.67 | 0   | 97.30  | 0   |        | 0   |        |
| 1/4 | 2,575.41 | 1/4 | 2,219.72 | 1/4 | 1,865.31 | 1/4 | 1,508.14 | 1/4 | 1,151.81 | 1/4 | 804.60 | 1/4 | 447.23 | 1/4 | 89.85  | 1/4 |        | 1/4 |        |
| 1/2 | 2,567.97 | 1/2 | 2,212.34 | 1/2 | 1,857.87 | 1/2 | 1,500.70 | 1/2 | 1,144.58 | 1/2 | 797.15 | 1/2 | 439.78 | 1/2 | 82.39  | 1/2 |        | 1/2 |        |
| 3/4 | 2,560.53 | 3/4 | 2,204.96 | 3/4 | 1,850.43 | 3/4 | 1,493.26 | 3/4 | 1,137.35 | 3/4 | 789.71 | 3/4 | 432.34 | 3/4 | 74.94  | 3/4 |        | 3/4 |        |
| 1   | 2,553.09 | 1   | 2,197.59 | 1   | 1,842.99 | 1   | 1,485.81 | 1   | 1,130.12 | 1   | 782.26 | 1   | 424.89 | 1   | 67.95  | 1   |        | 1   |        |
| 1/4 | 2,545.64 | 1/4 | 2,190.21 | 1/4 | 1,835.55 | 1/4 | 1,478.37 | 1/4 | 1,122.90 | 1/4 | 774.81 | 1/4 | 417.45 | 1/4 | 60.95  | 1/4 |        | 1/4 |        |
| 1/2 | 2,538.20 | 1/2 | 2,182.83 | 1/2 | 1,828.11 | 1/2 | 1,470.93 | 1/2 | 1,115.67 | 1/2 | 767.37 | 1/2 | 410.01 | 1/2 | 53.96  | 1/2 |        | 1/2 |        |
| 3/4 | 2,530.76 | 3/4 | 2,175.45 | 3/4 | 1,820.66 | 3/4 | 1,463.49 | 3/4 | 1,108.45 | 3/4 | 759.92 | 3/4 | 402.56 | 3/4 | 46.97  | 3/4 |        | 3/4 |        |
| 2   | 2,523.32 | 2   | 2,168.07 | 2   | 1,813.22 | 2   | 1,456.05 | 2   | 1,101.23 | 2   | 752.48 | 2   | 395.12 | 2   | 41.38  | 2   |        | 2   |        |
| 1/4 | 2,515.88 | 1/4 | 2,160.69 | 1/4 | 1,805.78 | 1/4 | 1,448.61 | 1/4 | 1,094.01 | 1/4 | 745.03 | 1/4 | 387.67 | 1/4 | 35.79  | 1/4 |        | 1/4 |        |
| 1/2 | 2,508.44 | 1/2 | 2,153.32 | 1/2 | 1,798.34 | 1/2 | 1,441.17 | 1/2 | 1,086.79 | 1/2 | 737.59 | 1/2 | 380.23 | 1/2 | 30.19  | 1/2 |        | 1/2 |        |
| 3/4 | 2,501.00 | 3/4 | 2,145.94 | 3/4 | 1,790.90 | 3/4 | 1,433.73 | 3/4 | 1,079.57 | 3/4 | 730.14 | 3/4 | 372.79 | 3/4 | 24.60  | 3/4 |        | 3/4 |        |
| 3   | 2,493.58 | 3   | 2,138.56 | 3   | 1,783.46 | 3   | 1,426.29 | 3   | 1,072.36 | 3   | 722.70 | 3   | 365.34 | 3   | 20.87  | 3   |        | 3   |        |
| 1/4 | 2,486.15 | 1/4 | 2,131.18 | 1/4 | 1,776.02 | 1/4 | 1,418.84 | 1/4 | 1,065.14 | 1/4 | 715.25 | 1/4 | 357.90 | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,478.73 | 1/2 | 2,123.80 | 1/2 | 1,768.58 | 1/2 | 1,411.40 | 1/2 | 1,057.93 | 1/2 | 707.81 | 1/2 | 350.45 | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,471.31 | 3/4 | 2,116.42 | 3/4 | 1,761.14 | 3/4 | 1,403.96 | 3/4 | 1,050.71 | 3/4 | 700.36 | 3/4 | 343.01 | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 2,463.91 | 4   | 2,109.05 | 4   | 1,753.69 | 4   | 1,396.52 | 4   | 1,043.50 | 4   | 692.92 | 4   | 335.57 | 4   |        | 4   |        | 4   |        |
| 1/4 | 2,456.51 | 1/4 | 2,101.67 | 1/4 | 1,746.25 | 1/4 | 1,389.08 | 1/4 | 1,036.29 | 1/4 | 685.47 | 1/4 | 328.12 | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,449.10 | 1/2 | 2,094.29 | 1/2 | 1,738.81 | 1/2 | 1,381.64 | 1/2 | 1,029.08 | 1/2 | 678.03 | 1/2 | 320.68 | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,441.70 | 3/4 | 2,086.91 | 3/4 | 1,731.37 | 3/4 | 1,374.20 | 3/4 | 1,021.87 | 3/4 | 670.58 | 3/4 | 313.23 | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 2,434.30 | 5   | 2,079.53 | 5   | 1,723.93 | 5   | 1,366.76 | 5   | 1,014.66 | 5   | 663.14 | 5   | 305.79 | 5   |        | 5   |        | 5   |        |
| 1/4 | 2,426.89 | 1/4 | 2,072.16 | 1/4 | 1,716.49 | 1/4 | 1,359.32 | 1/4 | 1,007.44 | 1/4 | 655.69 | 1/4 | 298.35 | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,419.49 | 1/2 | 2,064.78 | 1/2 | 1,709.05 | 1/2 | 1,351.87 | 1/2 | 1,000.23 | 1/2 | 648.24 | 1/2 | 290.90 | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,412.09 | 3/4 | 2,057.40 | 3/4 | 1,701.61 | 3/4 | 1,344.43 | 3/4 | 993.02   | 3/4 | 640.80 | 3/4 | 283.46 | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 2,404.69 | 6   | 2,050.02 | 6   | 1,694.17 | 6   | 1,336.99 | 6   | 985.81   | 6   | 633.35 | 6   | 276.01 | 6   |        | 6   |        | 6   |        |
| 1/4 | 2,397.28 | 1/4 | 2,042.64 | 1/4 | 1,686.72 | 1/4 | 1,329.55 | 1/4 | 978.60   | 1/4 | 625.91 | 1/4 | 268.57 | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,389.88 | 1/2 | 2,035.26 | 1/2 | 1,679.28 | 1/2 | 1,322.11 | 1/2 | 971.39   | 1/2 | 618.46 | 1/2 | 261.13 | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,382.48 | 3/4 | 2,027.89 | 3/4 | 1,671.84 | 3/4 | 1,314.67 | 3/4 | 964.18   | 3/4 | 611.02 | 3/4 | 253.68 | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 2,375.08 | 7   | 2,020.51 | 7   | 1,664.40 | 7   | 1,307.23 | 7   | 956.97   | 7   | 603.57 | 7   | 246.24 | 7   |        | 7   |        | 7   |        |
| 1/4 | 2,367.67 | 1/4 | 2,013.13 | 1/4 | 1,656.96 | 1/4 | 1,299.79 | 1/4 | 949.76   | 1/4 | 596.13 | 1/4 | 238.79 | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,360.27 | 1/2 | 2,005.75 | 1/2 | 1,649.52 | 1/2 | 1,292.35 | 1/2 | 942.54   | 1/2 | 588.68 | 1/2 | 231.35 | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,352.87 | 3/4 | 1,998.37 | 3/4 | 1,642.08 | 3/4 | 1,284.90 | 3/4 | 935.33   | 3/4 | 581.24 | 3/4 | 223.90 | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 2,345.47 | 8   | 1,991.00 | 8   | 1,634.64 | 8   | 1,277.46 | 8   | 928.12   | 8   | 573.79 | 8   | 216.46 | 8   |        | 8   |        | 8   |        |
| 1/4 | 2,338.06 | 1/4 | 1,983.62 | 1/4 | 1,627.20 | 1/4 | 1,270.02 | 1/4 | 920.91   | 1/4 | 566.35 | 1/4 | 209.01 | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,330.66 | 1/2 | 1,976.24 | 1/2 | 1,619.75 | 1/2 | 1,262.58 | 1/2 | 913.70   | 1/2 | 558.90 | 1/2 | 201.57 | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,323.26 | 3/4 | 1,968.86 | 3/4 | 1,612.31 | 3/4 | 1,255.14 | 3/4 | 906.49   | 3/4 | 551.46 | 3/4 | 194.12 | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 2,315.86 | 9   | 1,961.48 | 9   | 1,604.87 | 9   | 1,247.70 | 9   | 899.28   | 9   | 544.01 | 9   | 186.68 | 9   |        | 9   |        | 9   |        |
| 1/4 | 2,308.45 | 1/4 | 1,954.10 | 1/4 | 1,597.43 | 1/4 | 1,240.26 | 1/4 | 892.07   | 1/4 | 536.57 | 1/4 | 179.23 | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,301.05 | 1/2 | 1,946.73 | 1/2 | 1,589.99 | 1/2 | 1,232.82 | 1/2 | 884.86   | 1/2 | 529.12 | 1/2 | 171.79 | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,293.65 | 3/4 | 1,939.35 | 3/4 | 1,582.55 | 3/4 | 1,225.38 | 3/4 | 877.64   | 3/4 | 521.67 | 3/4 | 164.34 | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 2,286.25 | 10  | 1,931.97 | 10  | 1,575.11 | 10  | 1,217.93 | 10  | 870.43   | 10  | 514.23 | 10  | 156.89 | 10  |        | 10  |        | 10  |        |
| 1/4 | 2,278.84 | 1/4 | 1,924.59 | 1/4 | 1,567.67 | 1/4 | 1,210.49 | 1/4 | 863.22   | 1/4 | 506.78 | 1/4 | 149.45 | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,271.44 | 1/2 | 1,917.21 | 1/2 | 1,560.23 | 1/2 | 1,203.05 | 1/2 | 856.01   | 1/2 | 499.34 | 1/2 | 142.00 | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,264.04 | 3/4 | 1,909.84 | 3/4 | 1,552.78 | 3/4 | 1,195.61 | 3/4 | 848.80   | 3/4 | 491.89 | 3/4 | 134.55 | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 2,256.65 | 11  | 1,902.42 | 11  | 1,545.34 | 11  | 1,188.28 | 11  | 841.47   | 11  | 484.45 | 11  | 127.10 | 11  |        | 11  |        | 11  |        |
| 1/4 | 2,249.26 | 1/4 | 1,895.01 | 1/4 | 1,537.90 | 1/4 | 1,180.94 | 1/4 | 834.14   | 1/4 | 477.00 | 1/4 | 119.65 | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 2,241.87 | 1/2 | 1,887.60 | 1/2 | 1,530.46 | 1/2 | 1,173.60 | 1/2 | 826.81   | 1/2 | 469.56 | 1/2 | 112.20 | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 2,234.48 | 3/4 | 1,880.19 | 3/4 | 1,523.02 | 3/4 | 1,166.27 | 3/4 | 819.49   | 3/4 | 462.11 | 3/4 | 104.76 | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/01/2013 CL  
RECALCULATED: 05/09/2018 CL  
REPRINTED: 05/10/2018 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2018

PRECISION MEASUREMENT  
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# BARGE "HTCO 3095"

## 3 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03"

| IN  | 0 FT. | IN  | 1 FT. | IN  | 2 FT. | IN  | 3 FT.    | IN  | 4 FT.    | IN  | 5 FT.    | IN  | 6 FT.    | IN  | 7 FT.    | IN  | 8 FT.    | IN  | 9 FT.    |
|-----|-------|-----|-------|-----|-------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| 0   |       | 0   |       | 0   |       | 0   |          | 0   | 4,387.62 | 0   | 4,141.19 | 0   | 3,893.96 | 0   | 3,646.72 | 0   | 3,315.39 | 0   | 2,958.23 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |          | 1/4 | 4,382.51 | 1/4 | 4,136.05 | 1/4 | 3,888.81 | 1/4 | 3,641.57 | 1/4 | 3,307.96 | 1/4 | 2,950.78 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,611.01 | 1/2 | 4,377.40 | 1/2 | 4,130.90 | 1/2 | 3,883.66 | 1/2 | 3,636.41 | 1/2 | 3,300.54 | 1/2 | 2,943.33 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,608.56 | 3/4 | 4,372.29 | 3/4 | 4,125.76 | 3/4 | 3,878.51 | 3/4 | 3,631.26 | 3/4 | 3,293.12 | 3/4 | 2,935.89 |
| 1   |       | 1   |       | 1   |       | 1   | 4,605.04 | 1   | 4,367.17 | 1   | 4,120.61 | 1   | 3,873.36 | 1   | 3,626.11 | 1   | 3,285.69 | 1   | 2,928.44 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,601.53 | 1/4 | 4,362.05 | 1/4 | 4,115.46 | 1/4 | 3,868.21 | 1/4 | 3,620.96 | 1/4 | 3,278.26 | 1/4 | 2,921.00 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,598.02 | 1/2 | 4,356.93 | 1/2 | 4,110.31 | 1/2 | 3,863.06 | 1/2 | 3,615.81 | 1/2 | 3,270.82 | 1/2 | 2,913.55 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,594.50 | 3/4 | 4,351.80 | 3/4 | 4,105.16 | 3/4 | 3,857.91 | 3/4 | 3,610.66 | 3/4 | 3,263.39 | 3/4 | 2,906.11 |
| 2   |       | 2   |       | 2   |       | 2   | 4,589.99 | 2   | 4,346.67 | 2   | 4,100.00 | 2   | 3,852.76 | 2   | 3,604.93 | 2   | 3,255.95 | 2   | 2,898.66 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,585.47 | 1/4 | 4,341.53 | 1/4 | 4,094.85 | 1/4 | 3,847.61 | 1/4 | 3,599.21 | 1/4 | 3,248.50 | 1/4 | 2,891.22 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,580.96 | 1/2 | 4,336.39 | 1/2 | 4,089.70 | 1/2 | 3,842.45 | 1/2 | 3,593.48 | 1/2 | 3,241.06 | 1/2 | 2,883.77 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,576.45 | 3/4 | 4,331.26 | 3/4 | 4,084.55 | 3/4 | 3,837.30 | 3/4 | 3,587.76 | 3/4 | 3,233.62 | 3/4 | 2,876.32 |
| 3   |       | 3   |       | 3   |       | 3   | 4,571.40 | 3   | 4,326.12 | 3   | 4,079.40 | 3   | 3,832.15 | 3   | 3,580.90 | 3   | 3,226.18 | 3   | 2,868.88 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,566.35 | 1/4 | 4,320.98 | 1/4 | 4,074.25 | 1/4 | 3,827.00 | 1/4 | 3,574.04 | 1/4 | 3,218.73 | 1/4 | 2,861.43 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,561.31 | 1/2 | 4,315.85 | 1/2 | 4,069.10 | 1/2 | 3,821.85 | 1/2 | 3,567.18 | 1/2 | 3,211.29 | 1/2 | 2,853.99 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,556.26 | 3/4 | 4,310.71 | 3/4 | 4,063.95 | 3/4 | 3,816.70 | 3/4 | 3,560.32 | 3/4 | 3,203.85 | 3/4 | 2,846.54 |
| 4   |       | 4   |       | 4   |       | 4   | 4,551.15 | 4   | 4,305.57 | 4   | 4,058.80 | 4   | 3,811.55 | 4   | 3,552.90 | 4   | 3,196.40 | 4   | 2,839.10 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,546.04 | 1/4 | 4,300.44 | 1/4 | 4,053.65 | 1/4 | 3,806.40 | 1/4 | 3,545.47 | 1/4 | 3,188.96 | 1/4 | 2,831.65 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,540.93 | 1/2 | 4,295.30 | 1/2 | 4,048.49 | 1/2 | 3,801.25 | 1/2 | 3,538.05 | 1/2 | 3,181.52 | 1/2 | 2,824.20 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,535.82 | 3/4 | 4,290.16 | 3/4 | 4,043.34 | 3/4 | 3,796.10 | 3/4 | 3,530.63 | 3/4 | 3,174.08 | 3/4 | 2,816.76 |
| 5   |       | 5   |       | 5   |       | 5   | 4,530.70 | 5   | 4,285.03 | 5   | 4,038.19 | 5   | 3,790.94 | 5   | 3,523.21 | 5   | 3,166.63 | 5   | 2,809.31 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,525.59 | 1/4 | 4,279.89 | 1/4 | 4,033.04 | 1/4 | 3,785.79 | 1/4 | 3,515.79 | 1/4 | 3,159.19 | 1/4 | 2,801.87 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,520.48 | 1/2 | 4,274.75 | 1/2 | 4,027.89 | 1/2 | 3,780.64 | 1/2 | 3,508.36 | 1/2 | 3,151.75 | 1/2 | 2,794.42 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,515.37 | 3/4 | 4,269.62 | 3/4 | 4,022.74 | 3/4 | 3,775.49 | 3/4 | 3,500.94 | 3/4 | 3,144.30 | 3/4 | 2,786.98 |
| 6   |       | 6   |       | 6   |       | 6   | 4,510.26 | 6   | 4,264.48 | 6   | 4,017.59 | 6   | 3,770.34 | 6   | 3,493.52 | 6   | 3,136.86 | 6   | 2,779.53 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,505.14 | 1/4 | 4,259.34 | 1/4 | 4,012.44 | 1/4 | 3,765.19 | 1/4 | 3,486.10 | 1/4 | 3,129.42 | 1/4 | 2,772.09 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,500.03 | 1/2 | 4,254.21 | 1/2 | 4,007.29 | 1/2 | 3,760.04 | 1/2 | 3,478.67 | 1/2 | 3,121.98 | 1/2 | 2,764.64 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,494.92 | 3/4 | 4,249.07 | 3/4 | 4,002.14 | 3/4 | 3,754.89 | 3/4 | 3,471.25 | 3/4 | 3,114.53 | 3/4 | 2,757.19 |
| 7   |       | 7   |       | 7   |       | 7   | 4,489.81 | 7   | 4,243.94 | 7   | 3,996.98 | 7   | 3,749.74 | 7   | 3,463.83 | 7   | 3,107.09 | 7   | 2,749.75 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,484.70 | 1/4 | 4,238.80 | 1/4 | 3,991.83 | 1/4 | 3,744.59 | 1/4 | 3,456.41 | 1/4 | 3,099.65 | 1/4 | 2,742.30 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,479.59 | 1/2 | 4,233.66 | 1/2 | 3,986.68 | 1/2 | 3,739.43 | 1/2 | 3,448.99 | 1/2 | 3,092.20 | 1/2 | 2,734.86 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,474.48 | 3/4 | 4,228.53 | 3/4 | 3,981.53 | 3/4 | 3,734.28 | 3/4 | 3,441.56 | 3/4 | 3,084.76 | 3/4 | 2,727.41 |
| 8   |       | 8   |       | 8   |       | 8   | 4,469.37 | 8   | 4,223.39 | 8   | 3,976.38 | 8   | 3,729.13 | 8   | 3,434.14 | 8   | 3,077.32 | 8   | 2,719.97 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,464.26 | 1/4 | 4,218.25 | 1/4 | 3,971.23 | 1/4 | 3,723.98 | 1/4 | 3,426.72 | 1/4 | 3,069.88 | 1/4 | 2,712.52 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,459.15 | 1/2 | 4,213.12 | 1/2 | 3,966.08 | 1/2 | 3,718.83 | 1/2 | 3,419.30 | 1/2 | 3,062.43 | 1/2 | 2,705.08 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,454.04 | 3/4 | 4,207.98 | 3/4 | 3,960.93 | 3/4 | 3,713.68 | 3/4 | 3,411.87 | 3/4 | 3,054.99 | 3/4 | 2,697.63 |
| 9   |       | 9   |       | 9   |       | 9   | 4,448.93 | 9   | 4,202.84 | 9   | 3,955.78 | 9   | 3,708.53 | 9   | 3,404.45 | 9   | 3,047.55 | 9   | 2,690.18 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,443.82 | 1/4 | 4,197.71 | 1/4 | 3,950.63 | 1/4 | 3,703.38 | 1/4 | 3,397.03 | 1/4 | 3,040.10 | 1/4 | 2,682.74 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,438.71 | 1/2 | 4,192.57 | 1/2 | 3,945.47 | 1/2 | 3,698.23 | 1/2 | 3,389.61 | 1/2 | 3,032.66 | 1/2 | 2,675.29 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,433.60 | 3/4 | 4,187.43 | 3/4 | 3,940.32 | 3/4 | 3,693.08 | 3/4 | 3,382.19 | 3/4 | 3,025.22 | 3/4 | 2,667.85 |
| 10  |       | 10  |       | 10  |       | 10  | 4,428.50 | 10  | 4,182.30 | 10  | 3,935.17 | 10  | 3,687.92 | 10  | 3,374.76 | 10  | 3,017.77 | 10  | 2,660.40 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,423.39 | 1/4 | 4,177.16 | 1/4 | 3,930.02 | 1/4 | 3,682.77 | 1/4 | 3,367.34 | 1/4 | 3,010.33 | 1/4 | 2,652.96 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,418.28 | 1/2 | 4,172.02 | 1/2 | 3,924.87 | 1/2 | 3,677.62 | 1/2 | 3,359.92 | 1/2 | 3,002.89 | 1/2 | 2,645.51 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,413.17 | 3/4 | 4,166.89 | 3/4 | 3,919.72 | 3/4 | 3,672.47 | 3/4 | 3,352.50 | 3/4 | 2,995.45 | 3/4 | 2,638.06 |
| 11  |       | 11  |       | 11  |       | 11  | 4,408.06 | 11  | 4,161.75 | 11  | 3,914.57 | 11  | 3,667.32 | 11  | 3,345.08 | 11  | 2,988.00 | 11  | 2,630.62 |
| 1/4 |       | 1/4 |       | 1/4 |       | 1/4 | 4,402.95 | 1/4 | 4,156.61 | 1/4 | 3,909.42 | 1/4 | 3,662.17 | 1/4 | 3,337.65 | 1/4 | 2,980.56 | 1/4 | 2,623.17 |
| 1/2 |       | 1/2 |       | 1/2 |       | 1/2 | 4,397.84 | 1/2 | 4,151.48 | 1/2 | 3,904.27 | 1/2 | 3,657.02 | 1/2 | 3,330.23 | 1/2 | 2,973.11 | 1/2 | 2,615.72 |
| 3/4 |       | 3/4 |       | 3/4 |       | 3/4 | 4,392.73 | 3/4 | 4,146.34 | 3/4 | 3,899.12 | 3/4 | 3,651.87 | 3/4 | 3,322.81 | 3/4 | 2,965.67 | 3/4 | 2,608.27 |

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 WITH "HERMETIC" CLOSED GAUGING DEVICE  
 GAUGE POINT: (HERMETIC) LOCATED 12'-07" OFF CENTERLINE AND 46'-00" FORWARD OF AFT BULKHEAD

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



# BARGE "HTCO 3095"

**3 STBD**  
**ULLAGE TABLE**  
**HERMETIC**  
**GAUGE HEIGHT 17'-03"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

| 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   | 2,600.81 | 0   | 2,243.08 | 0   | 1,885.35 | 0   | 1,527.61 | 0   | 1,169.88 | 0   | 812.70 | 0   | 454.97 | 0   | 97.25  | 0   |        |    |        |
| 1/4 | 2,593.36 | 1/4 | 2,235.63 | 1/4 | 1,877.89 | 1/4 | 1,520.16 | 1/4 | 1,162.42 | 1/4 | 805.25 | 1/4 | 447.52 | 1/4 | 89.80  | 1/4 |        |    |        |
| 1/2 | 2,585.91 | 1/2 | 2,228.17 | 1/2 | 1,870.44 | 1/2 | 1,512.71 | 1/2 | 1,154.97 | 1/2 | 797.79 | 1/2 | 440.07 | 1/2 | 82.34  | 1/2 |        |    |        |
| 3/4 | 2,578.46 | 3/4 | 2,220.72 | 3/4 | 1,862.99 | 3/4 | 1,505.25 | 3/4 | 1,147.52 | 3/4 | 790.34 | 3/4 | 432.62 | 3/4 | 74.89  | 3/4 |        |    |        |
| 1   | 2,571.00 | 1   | 2,213.27 | 1   | 1,855.53 | 1   | 1,497.80 | 1   | 1,140.07 | 1   | 782.89 | 1   | 425.16 | 1   | 67.90  | 1   |        |    |        |
| 1/4 | 2,563.55 | 1/4 | 2,205.82 | 1/4 | 1,848.08 | 1/4 | 1,490.35 | 1/4 | 1,132.62 | 1/4 | 775.44 | 1/4 | 417.71 | 1/4 | 60.92  | 1/4 |        |    |        |
| 1/2 | 2,556.10 | 1/2 | 2,198.36 | 1/2 | 1,840.63 | 1/2 | 1,482.89 | 1/2 | 1,125.17 | 1/2 | 767.98 | 1/2 | 410.26 | 1/2 | 53.93  | 1/2 |        |    |        |
| 3/4 | 2,548.65 | 3/4 | 2,190.91 | 3/4 | 1,833.18 | 3/4 | 1,475.44 | 3/4 | 1,117.72 | 3/4 | 760.53 | 3/4 | 402.81 | 3/4 | 46.94  | 3/4 |        |    |        |
| 2   | 2,541.19 | 2   | 2,183.46 | 2   | 1,825.72 | 2   | 1,467.99 | 2   | 1,110.28 | 2   | 753.08 | 2   | 395.35 | 2   | 41.35  | 2   |        |    |        |
| 1/4 | 2,533.74 | 1/4 | 2,176.01 | 1/4 | 1,818.27 | 1/4 | 1,460.54 | 1/4 | 1,102.83 | 1/4 | 745.63 | 1/4 | 387.90 | 1/4 | 35.77  | 1/4 |        |    |        |
| 1/2 | 2,526.29 | 1/2 | 2,168.55 | 1/2 | 1,810.82 | 1/2 | 1,453.08 | 1/2 | 1,095.39 | 1/2 | 738.17 | 1/2 | 380.45 | 1/2 | 30.18  | 1/2 |        |    |        |
| 3/4 | 2,518.83 | 3/4 | 2,161.10 | 3/4 | 1,803.37 | 3/4 | 1,445.63 | 3/4 | 1,087.94 | 3/4 | 730.72 | 3/4 | 373.00 | 3/4 | 24.59  | 3/4 |        |    |        |
| 3   | 2,511.38 | 3   | 2,153.65 | 3   | 1,795.91 | 3   | 1,438.18 | 3   | 1,080.50 | 3   | 723.27 | 3   | 365.54 | 3   | 20.86  | 3   |        |    |        |
| 1/4 | 2,503.93 | 1/4 | 2,146.19 | 1/4 | 1,788.46 | 1/4 | 1,430.73 | 1/4 | 1,073.06 | 1/4 | 715.81 | 1/4 | 358.09 | 1/4 |        | 1/4 |        |    |        |
| 1/2 | 2,496.48 | 1/2 | 2,138.74 | 1/2 | 1,781.01 | 1/2 | 1,423.27 | 1/2 | 1,065.62 | 1/2 | 708.36 | 1/2 | 350.64 | 1/2 |        | 1/2 |        |    |        |
| 3/4 | 2,489.02 | 3/4 | 2,131.29 | 3/4 | 1,773.55 | 3/4 | 1,415.82 | 3/4 | 1,058.18 | 3/4 | 700.91 | 3/4 | 343.18 | 3/4 |        | 3/4 |        |    |        |
| 4   | 2,481.57 | 4   | 2,123.84 | 4   | 1,766.10 | 4   | 1,408.37 | 4   | 1,050.74 | 4   | 693.46 | 4   | 335.73 | 4   |        | 4   |        |    |        |
| 1/4 | 2,474.12 | 1/4 | 2,116.38 | 1/4 | 1,758.65 | 1/4 | 1,400.91 | 1/4 | 1,043.31 | 1/4 | 686.00 | 1/4 | 328.28 | 1/4 |        | 1/4 |        |    |        |
| 1/2 | 2,466.66 | 1/2 | 2,108.93 | 1/2 | 1,751.20 | 1/2 | 1,393.46 | 1/2 | 1,035.87 | 1/2 | 678.55 | 1/2 | 320.83 | 1/2 |        | 1/2 |        |    |        |
| 3/4 | 2,459.21 | 3/4 | 2,101.48 | 3/4 | 1,743.74 | 3/4 | 1,386.01 | 3/4 | 1,028.43 | 3/4 | 671.10 | 3/4 | 313.37 | 3/4 |        | 3/4 |        |    |        |
| 5   | 2,451.76 | 5   | 2,094.02 | 5   | 1,736.29 | 5   | 1,378.56 | 5   | 1,020.99 | 5   | 663.65 | 5   | 305.92 | 5   |        | 5   |        |    |        |
| 1/4 | 2,444.31 | 1/4 | 2,086.57 | 1/4 | 1,728.84 | 1/4 | 1,371.10 | 1/4 | 1,013.56 | 1/4 | 656.19 | 1/4 | 298.47 | 1/4 |        | 1/4 |        |    |        |
| 1/2 | 2,436.85 | 1/2 | 2,079.12 | 1/2 | 1,721.38 | 1/2 | 1,363.65 | 1/2 | 1,006.12 | 1/2 | 648.74 | 1/2 | 291.02 | 1/2 |        | 1/2 |        |    |        |
| 3/4 | 2,429.40 | 3/4 | 2,071.67 | 3/4 | 1,713.93 | 3/4 | 1,356.20 | 3/4 | 998.68   | 3/4 | 641.29 | 3/4 | 283.56 | 3/4 |        | 3/4 |        |    |        |
| 6   | 2,421.95 | 6   | 2,064.21 | 6   | 1,706.48 | 6   | 1,348.74 | 6   | 991.24   | 6   | 633.84 | 6   | 276.11 | 6   |        | 6   |        |    |        |
| 1/4 | 2,414.49 | 1/4 | 2,056.76 | 1/4 | 1,699.03 | 1/4 | 1,341.29 | 1/4 | 983.81   | 1/4 | 626.38 | 1/4 | 268.66 | 1/4 |        | 1/4 |        |    |        |
| 1/2 | 2,407.04 | 1/2 | 2,049.31 | 1/2 | 1,691.57 | 1/2 | 1,333.84 | 1/2 | 976.37   | 1/2 | 618.93 | 1/2 | 261.21 | 1/2 |        | 1/2 |        |    |        |
| 3/4 | 2,399.59 | 3/4 | 2,041.85 | 3/4 | 1,684.12 | 3/4 | 1,326.39 | 3/4 | 968.93   | 3/4 | 611.48 | 3/4 | 253.75 | 3/4 |        | 3/4 |        |    |        |
| 7   | 2,392.14 | 7   | 2,034.40 | 7   | 1,676.67 | 7   | 1,318.93 | 7   | 961.49   | 7   | 604.03 | 7   | 246.30 | 7   |        | 7   |        |    |        |
| 1/4 | 2,384.68 | 1/4 | 2,026.95 | 1/4 | 1,669.21 | 1/4 | 1,311.48 | 1/4 | 954.05   | 1/4 | 596.57 | 1/4 | 238.85 | 1/4 |        | 1/4 |        |    |        |
| 1/2 | 2,377.23 | 1/2 | 2,019.50 | 1/2 | 1,661.76 | 1/2 | 1,304.03 | 1/2 | 946.62   | 1/2 | 589.12 | 1/2 | 231.40 | 1/2 |        | 1/2 |        |    |        |
| 3/4 | 2,369.78 | 3/4 | 2,012.04 | 3/4 | 1,654.31 | 3/4 | 1,296.57 | 3/4 | 939.18   | 3/4 | 581.67 | 3/4 | 223.94 | 3/4 |        | 3/4 |        |    |        |
| 8   | 2,362.33 | 8   | 2,004.59 | 8   | 1,646.86 | 8   | 1,289.12 | 8   | 931.74   | 8   | 574.22 | 8   | 216.49 | 8   |        | 8   |        |    |        |
| 1/4 | 2,354.87 | 1/4 | 1,997.14 | 1/4 | 1,639.40 | 1/4 | 1,281.67 | 1/4 | 924.30   | 1/4 | 566.76 | 1/4 | 209.04 | 1/4 |        | 1/4 |        |    |        |
| 1/2 | 2,347.42 | 1/2 | 1,989.69 | 1/2 | 1,631.95 | 1/2 | 1,274.22 | 1/2 | 916.87   | 1/2 | 559.31 | 1/2 | 201.59 | 1/2 |        | 1/2 |        |    |        |
| 3/4 | 2,339.97 | 3/4 | 1,982.23 | 3/4 | 1,624.50 | 3/4 | 1,266.76 | 3/4 | 909.43   | 3/4 | 551.86 | 3/4 | 194.13 | 3/4 |        | 3/4 |        |    |        |
| 9   | 2,332.51 | 9   | 1,974.78 | 9   | 1,617.05 | 9   | 1,259.31 | 9   | 901.99   | 9   | 544.41 | 9   | 186.68 | 9   |        | 9   |        |    |        |
| 1/4 | 2,325.06 | 1/4 | 1,967.33 | 1/4 | 1,609.59 | 1/4 | 1,251.86 | 1/4 | 894.55   | 1/4 | 536.95 | 1/4 | 179.23 | 1/4 |        | 1/4 |        |    |        |
| 1/2 | 2,317.61 | 1/2 | 1,959.87 | 1/2 | 1,602.14 | 1/2 | 1,244.41 | 1/2 | 887.12   | 1/2 | 529.50 | 1/2 | 171.78 | 1/2 |        | 1/2 |        |    |        |
| 3/4 | 2,310.16 | 3/4 | 1,952.42 | 3/4 | 1,594.69 | 3/4 | 1,236.95 | 3/4 | 879.68   | 3/4 | 522.05 | 3/4 | 164.32 | 3/4 |        | 3/4 |        |    |        |
| 10  | 2,302.70 | 10  | 1,944.97 | 10  | 1,587.23 | 10  | 1,229.50 | 10  | 872.24   | 10  | 514.59 | 10  | 156.87 | 10  |        | 10  |        |    |        |
| 1/4 | 2,295.25 | 1/4 | 1,937.52 | 1/4 | 1,579.78 | 1/4 | 1,222.05 | 1/4 | 864.80   | 1/4 | 507.14 | 1/4 | 149.42 | 1/4 |        | 1/4 |        |    |        |
| 1/2 | 2,287.80 | 1/2 | 1,930.06 | 1/2 | 1,572.33 | 1/2 | 1,214.59 | 1/2 | 857.37   | 1/2 | 499.69 | 1/2 | 141.96 | 1/2 |        | 1/2 |        |    |        |
| 3/4 | 2,280.34 | 3/4 | 1,922.61 | 3/4 | 1,564.88 | 3/4 | 1,207.14 | 3/4 | 849.93   | 3/4 | 492.24 | 3/4 | 134.51 | 3/4 |        | 3/4 |        |    |        |
| 11  | 2,272.89 | 11  | 1,915.16 | 11  | 1,557.42 | 11  | 1,199.69 | 11  | 842.48   | 11  | 484.78 | 11  | 127.06 | 11  |        | 11  |        |    |        |
| 1/4 | 2,265.44 | 1/4 | 1,907.70 | 1/4 | 1,549.97 | 1/4 | 1,192.24 | 1/4 | 835.04   | 1/4 | 477.33 | 1/4 | 119.61 | 1/4 |        | 1/4 |        |    |        |
| 1/2 | 2,257.99 | 1/2 | 1,900.25 | 1/2 | 1,542.52 | 1/2 | 1,184.78 | 1/2 | 827.60   | 1/2 | 469.88 | 1/2 | 112.15 | 1/2 |        | 1/2 |        |    |        |
| 3/4 | 2,250.53 | 3/4 | 1,892.80 | 3/4 | 1,535.06 | 3/4 | 1,177.33 | 3/4 | 820.15   | 3/4 | 462.43 | 3/4 | 104.70 | 3/4 |        | 3/4 |        |    |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CANCELS AND SUPERCEDES  
 ALL PRIOR TO 05/2018

PRECISION MEASUREMENT  
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# BARGE "HTCO 3095"

## FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 3'-10"

| IN  | 0 FT. | IN  | 1 FT. | IN  | 2 FT. | IN  | 3 FT. | IN  | 4 FT. | IN  | 5 FT. | IN  | 6 FT. | IN  | 7 FT. | IN  | 8 FT. | IN  | 9 FT. |
|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|
| 0   | 0     | 0   | 120   | 0   | 298   | 0   | 456   | 0   |       | 0   |       | 0   |       | 0   |       | 0   |       | 0   |       |
| 1/4 | 1     | 1/4 | 123   | 1/4 | 302   | 1/4 | 459   | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 2     | 1/2 | 127   | 1/2 | 305   | 1/2 | 461   | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 3     | 3/4 | 130   | 3/4 | 309   | 3/4 | 463   | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 1   | 3     | 1   | 134   | 1   | 313   | 1   | 466   | 1   |       | 1   |       | 1   |       | 1   |       | 1   |       | 1   |       |
| 1/4 | 5     | 1/4 | 137   | 1/4 | 316   | 1/4 | 468   | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 6     | 1/2 | 141   | 1/2 | 320   | 1/2 | 470   | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 8     | 3/4 | 144   | 3/4 | 324   | 3/4 | 472   | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 2   | 9     | 2   | 148   | 2   | 327   | 2   | 475   | 2   |       | 2   |       | 2   |       | 2   |       | 2   |       | 2   |       |
| 1/4 | 11    | 1/4 | 152   | 1/4 | 331   | 1/4 | 477   | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 13    | 1/2 | 155   | 1/2 | 335   | 1/2 | 478   | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 15    | 3/4 | 159   | 3/4 | 338   | 3/4 | 480   | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 3   | 16    | 3   | 162   | 3   | 342   | 3   | 482   | 3   |       | 3   |       | 3   |       | 3   |       | 3   |       | 3   |       |
| 1/4 | 19    | 1/4 | 166   | 1/4 | 346   | 1/4 | 484   | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 21    | 1/2 | 170   | 1/2 | 349   | 1/2 | 485   | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 23    | 3/4 | 173   | 3/4 | 353   | 3/4 | 487   | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 4   | 25    | 4   | 177   | 4   | 356   | 4   | 488   | 4   |       | 4   |       | 4   |       | 4   |       | 4   |       | 4   |       |
| 1/4 | 27    | 1/4 | 181   | 1/4 | 360   | 1/4 | 489   | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 30    | 1/2 | 185   | 1/2 | 363   | 1/2 | 490   | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 32    | 3/4 | 188   | 3/4 | 367   | 3/4 | 491   | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 5   | 35    | 5   | 192   | 5   | 370   | 5   | 492   | 5   |       | 5   |       | 5   |       | 5   |       | 5   |       | 5   |       |
| 1/4 | 37    | 1/4 | 196   | 1/4 | 374   | 1/4 | 493   | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 40    | 1/2 | 200   | 1/2 | 377   | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 42    | 3/4 | 203   | 3/4 | 381   | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 6   | 45    | 6   | 207   | 6   | 384   | 6   |       | 6   |       | 6   |       | 6   |       | 6   |       | 6   |       | 6   |       |
| 1/4 | 48    | 1/4 | 211   | 1/4 | 387   | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 51    | 1/2 | 215   | 1/2 | 391   | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 53    | 3/4 | 218   | 3/4 | 394   | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 7   | 56    | 7   | 222   | 7   | 397   | 7   |       | 7   |       | 7   |       | 7   |       | 7   |       | 7   |       | 7   |       |
| 1/4 | 59    | 1/4 | 226   | 1/4 | 401   | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 62    | 1/2 | 230   | 1/2 | 404   | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 65    | 3/4 | 234   | 3/4 | 407   | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 8   | 68    | 8   | 237   | 8   | 410   | 8   |       | 8   |       | 8   |       | 8   |       | 8   |       | 8   |       | 8   |       |
| 1/4 | 71    | 1/4 | 241   | 1/4 | 413   | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 74    | 1/2 | 245   | 1/2 | 416   | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 77    | 3/4 | 249   | 3/4 | 420   | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 9   | 80    | 9   | 252   | 9   | 423   | 9   |       | 9   |       | 9   |       | 9   |       | 9   |       | 9   |       | 9   |       |
| 1/4 | 83    | 1/4 | 256   | 1/4 | 426   | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 87    | 1/2 | 260   | 1/2 | 429   | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 90    | 3/4 | 264   | 3/4 | 432   | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 10  | 93    | 10  | 268   | 10  | 434   | 10  |       | 10  |       | 10  |       | 10  |       | 10  |       | 10  |       | 10  |       |
| 1/4 | 96    | 1/4 | 271   | 1/4 | 437   | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 100   | 1/2 | 275   | 1/2 | 440   | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 103   | 3/4 | 279   | 3/4 | 443   | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 11  | 106   | 11  | 283   | 11  | 446   | 11  |       | 11  |       | 11  |       | 11  |       | 11  |       | 11  |       | 11  |       |
| 1/4 | 110   | 1/4 | 287   | 1/4 | 448   | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 113   | 1/2 | 290   | 1/2 | 451   | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 116   | 3/4 | 294   | 3/4 | 454   | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |

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 AT GAUGE POINT.  
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE.

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CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2013

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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





# BARGE "HTCO 3095"

## FWD SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-07 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   | 449   | 0   | 898   | 0   | 1,347 | 0   | 1,795 | 0   |       | 0   |       | 0   |       | 0   |       | 0   |       |
| 1/4 | 9     | 1/4 | 458   | 1/4 | 907   | 1/4 | 1,356 | 1/4 | 1,805 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 19    | 1/2 | 468   | 1/2 | 917   | 1/2 | 1,365 | 1/2 | 1,814 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 28    | 3/4 | 477   | 3/4 | 926   | 3/4 | 1,375 | 3/4 | 1,824 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 1   | 37    | 1   | 486   | 1   | 935   | 1   | 1,384 | 1   | 1,833 | 1   |       | 1   |       | 1   |       | 1   |       | 1   |       |
| 1/4 | 47    | 1/4 | 496   | 1/4 | 945   | 1/4 | 1,393 | 1/4 | 1,842 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 56    | 1/2 | 505   | 1/2 | 954   | 1/2 | 1,403 | 1/2 | 1,852 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 65    | 3/4 | 514   | 3/4 | 963   | 3/4 | 1,412 | 3/4 | 1,861 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 2   | 75    | 2   | 524   | 2   | 973   | 2   | 1,421 | 2   | 1,870 | 2   |       | 2   |       | 2   |       | 2   |       | 2   |       |
| 1/4 | 84    | 1/4 | 533   | 1/4 | 982   | 1/4 | 1,431 | 1/4 | 1,880 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 94    | 1/2 | 542   | 1/2 | 991   | 1/2 | 1,440 | 1/2 | 1,889 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 103   | 3/4 | 552   | 3/4 | 1,001 | 3/4 | 1,450 | 3/4 | 1,898 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 3   | 112   | 3   | 561   | 3   | 1,010 | 3   | 1,459 | 3   | 1,908 | 3   |       | 3   |       | 3   |       | 3   |       | 3   |       |
| 1/4 | 122   | 1/4 | 571   | 1/4 | 1,019 | 1/4 | 1,468 | 1/4 | 1,917 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 131   | 1/2 | 580   | 1/2 | 1,029 | 1/2 | 1,478 | 1/2 | 1,926 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 140   | 3/4 | 589   | 3/4 | 1,038 | 3/4 | 1,487 | 3/4 | 1,936 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 4   | 150   | 4   | 599   | 4   | 1,047 | 4   | 1,496 | 4   | 1,945 | 4   |       | 4   |       | 4   |       | 4   |       | 4   |       |
| 1/4 | 159   | 1/4 | 608   | 1/4 | 1,057 | 1/4 | 1,506 | 1/4 | 1,954 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 168   | 1/2 | 617   | 1/2 | 1,066 | 1/2 | 1,515 | 1/2 | 1,964 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 178   | 3/4 | 627   | 3/4 | 1,075 | 3/4 | 1,524 | 3/4 | 1,973 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 5   | 187   | 5   | 636   | 5   | 1,085 | 5   | 1,534 | 5   | 1,982 | 5   |       | 5   |       | 5   |       | 5   |       | 5   |       |
| 1/4 | 197   | 1/4 | 645   | 1/4 | 1,094 | 1/4 | 1,543 | 1/4 | 1,992 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 206   | 1/2 | 655   | 1/2 | 1,104 | 1/2 | 1,552 | 1/2 | 2,001 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 215   | 3/4 | 664   | 3/4 | 1,113 | 3/4 | 1,562 | 3/4 | 2,011 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 6   | 225   | 6   | 673   | 6   | 1,122 | 6   | 1,571 | 6   | 2,020 | 6   |       | 6   |       | 6   |       | 6   |       | 6   |       |
| 1/4 | 234   | 1/4 | 683   | 1/4 | 1,132 | 1/4 | 1,580 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 243   | 1/2 | 692   | 1/2 | 1,141 | 1/2 | 1,590 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 253   | 3/4 | 701   | 3/4 | 1,150 | 3/4 | 1,599 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 7   | 262   | 7   | 711   | 7   | 1,160 | 7   | 1,608 | 7   |       | 7   |       | 7   |       | 7   |       | 7   |       | 7   |       |
| 1/4 | 271   | 1/4 | 720   | 1/4 | 1,169 | 1/4 | 1,618 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 281   | 1/2 | 730   | 1/2 | 1,178 | 1/2 | 1,627 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 290   | 3/4 | 739   | 3/4 | 1,188 | 3/4 | 1,637 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 8   | 299   | 8   | 748   | 8   | 1,197 | 8   | 1,646 | 8   |       | 8   |       | 8   |       | 8   |       | 8   |       | 8   |       |
| 1/4 | 309   | 1/4 | 758   | 1/4 | 1,206 | 1/4 | 1,655 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 318   | 1/2 | 767   | 1/2 | 1,216 | 1/2 | 1,665 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 327   | 3/4 | 776   | 3/4 | 1,225 | 3/4 | 1,674 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 9   | 337   | 9   | 786   | 9   | 1,234 | 9   | 1,683 | 9   |       | 9   |       | 9   |       | 9   |       | 9   |       | 9   |       |
| 1/4 | 346   | 1/4 | 795   | 1/4 | 1,244 | 1/4 | 1,693 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 355   | 1/2 | 804   | 1/2 | 1,253 | 1/2 | 1,702 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 365   | 3/4 | 814   | 3/4 | 1,262 | 3/4 | 1,711 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 10  | 374   | 10  | 823   | 10  | 1,272 | 10  | 1,721 | 10  |       | 10  |       | 10  |       | 10  |       | 10  |       | 10  |       |
| 1/4 | 384   | 1/4 | 832   | 1/4 | 1,281 | 1/4 | 1,730 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 393   | 1/2 | 842   | 1/2 | 1,291 | 1/2 | 1,739 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 402   | 3/4 | 851   | 3/4 | 1,300 | 3/4 | 1,749 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 11  | 412   | 11  | 860   | 11  | 1,309 | 11  | 1,758 | 11  |       | 11  |       | 11  |       | 11  |       | 11  |       | 11  |       |
| 1/4 | 421   | 1/4 | 870   | 1/4 | 1,319 | 1/4 | 1,767 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 430   | 1/2 | 879   | 1/2 | 1,328 | 1/2 | 1,777 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 440   | 3/4 | 888   | 3/4 | 1,337 | 3/4 | 1,786 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |

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 AT GAUGE POINT.  
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

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CANCELS AND SUPERCEDES  
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PRECISION MEASUREMENT  
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# BARGE "HTCO 3095"

## AFT SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-07 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     | 0   | 449   | 0   | 898   | 0   | 1,347 | 0   | 1,795 | 0   |       | 0   |       |     |       |     |       |    |       |
| 1/4 | 9     | 1/4 | 458   | 1/4 | 907   | 1/4 | 1,356 | 1/4 | 1,805 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |    | 1/4   |
| 1/2 | 19    | 1/2 | 468   | 1/2 | 917   | 1/2 | 1,365 | 1/2 | 1,814 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |    | 1/2   |
| 3/4 | 28    | 3/4 | 477   | 3/4 | 926   | 3/4 | 1,375 | 3/4 | 1,824 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |    | 3/4   |
| 1   | 37    | 1   | 486   | 1   | 935   | 1   | 1,384 | 1   | 1,833 | 1   |       | 1   |       | 1   |       | 1   |       |    | 1     |
| 1/4 | 47    | 1/4 | 496   | 1/4 | 945   | 1/4 | 1,393 | 1/4 | 1,842 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |    | 1/4   |
| 1/2 | 56    | 1/2 | 505   | 1/2 | 954   | 1/2 | 1,403 | 1/2 | 1,852 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |    | 1/2   |
| 3/4 | 65    | 3/4 | 514   | 3/4 | 963   | 3/4 | 1,412 | 3/4 | 1,861 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |    | 3/4   |
| 2   | 75    | 2   | 524   | 2   | 973   | 2   | 1,421 | 2   | 1,870 | 2   |       | 2   |       | 2   |       | 2   |       |    | 2     |
| 1/4 | 84    | 1/4 | 533   | 1/4 | 982   | 1/4 | 1,431 | 1/4 | 1,880 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |    | 1/4   |
| 1/2 | 94    | 1/2 | 542   | 1/2 | 991   | 1/2 | 1,440 | 1/2 | 1,889 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |    | 1/2   |
| 3/4 | 103   | 3/4 | 552   | 3/4 | 1,001 | 3/4 | 1,450 | 3/4 | 1,898 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |    | 3/4   |
| 3   | 112   | 3   | 561   | 3   | 1,010 | 3   | 1,459 | 3   | 1,908 | 3   |       | 3   |       | 3   |       | 3   |       |    | 3     |
| 1/4 | 122   | 1/4 | 571   | 1/4 | 1,019 | 1/4 | 1,468 | 1/4 | 1,917 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |    | 1/4   |
| 1/2 | 131   | 1/2 | 580   | 1/2 | 1,029 | 1/2 | 1,478 | 1/2 | 1,926 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |    | 1/2   |
| 3/4 | 140   | 3/4 | 589   | 3/4 | 1,038 | 3/4 | 1,487 | 3/4 | 1,936 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |    | 3/4   |
| 4   | 150   | 4   | 599   | 4   | 1,047 | 4   | 1,496 | 4   | 1,945 | 4   |       | 4   |       | 4   |       | 4   |       |    | 4     |
| 1/4 | 159   | 1/4 | 608   | 1/4 | 1,057 | 1/4 | 1,506 | 1/4 | 1,954 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |    | 1/4   |
| 1/2 | 168   | 1/2 | 617   | 1/2 | 1,066 | 1/2 | 1,515 | 1/2 | 1,964 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |    | 1/2   |
| 3/4 | 178   | 3/4 | 627   | 3/4 | 1,075 | 3/4 | 1,524 | 3/4 | 1,973 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |    | 3/4   |
| 5   | 187   | 5   | 636   | 5   | 1,085 | 5   | 1,534 | 5   | 1,982 | 5   |       | 5   |       | 5   |       | 5   |       |    | 5     |
| 1/4 | 197   | 1/4 | 645   | 1/4 | 1,094 | 1/4 | 1,543 | 1/4 | 1,992 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |    | 1/4   |
| 1/2 | 206   | 1/2 | 655   | 1/2 | 1,104 | 1/2 | 1,552 | 1/2 | 2,001 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |    | 1/2   |
| 3/4 | 215   | 3/4 | 664   | 3/4 | 1,113 | 3/4 | 1,562 | 3/4 | 2,011 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |    | 3/4   |
| 6   | 225   | 6   | 673   | 6   | 1,122 | 6   | 1,571 | 6   | 2,020 | 6   |       | 6   |       | 6   |       | 6   |       |    | 6     |
| 1/4 | 234   | 1/4 | 683   | 1/4 | 1,132 | 1/4 | 1,580 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |    | 1/4   |
| 1/2 | 243   | 1/2 | 692   | 1/2 | 1,141 | 1/2 | 1,590 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |    | 1/2   |
| 3/4 | 253   | 3/4 | 701   | 3/4 | 1,150 | 3/4 | 1,599 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |    | 3/4   |
| 7   | 262   | 7   | 711   | 7   | 1,160 | 7   | 1,608 | 7   |       | 7   |       | 7   |       | 7   |       | 7   |       |    | 7     |
| 1/4 | 271   | 1/4 | 720   | 1/4 | 1,169 | 1/4 | 1,618 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |    | 1/4   |
| 1/2 | 281   | 1/2 | 730   | 1/2 | 1,178 | 1/2 | 1,627 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |    | 1/2   |
| 3/4 | 290   | 3/4 | 739   | 3/4 | 1,188 | 3/4 | 1,637 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |    | 3/4   |
| 8   | 299   | 8   | 748   | 8   | 1,197 | 8   | 1,646 | 8   |       | 8   |       | 8   |       | 8   |       | 8   |       |    | 8     |
| 1/4 | 309   | 1/4 | 758   | 1/4 | 1,206 | 1/4 | 1,655 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |    | 1/4   |
| 1/2 | 318   | 1/2 | 767   | 1/2 | 1,216 | 1/2 | 1,665 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |    | 1/2   |
| 3/4 | 327   | 3/4 | 776   | 3/4 | 1,225 | 3/4 | 1,674 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |    | 3/4   |
| 9   | 337   | 9   | 786   | 9   | 1,234 | 9   | 1,683 | 9   |       | 9   |       | 9   |       | 9   |       | 9   |       |    | 9     |
| 1/4 | 346   | 1/4 | 795   | 1/4 | 1,244 | 1/4 | 1,693 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |    | 1/4   |
| 1/2 | 355   | 1/2 | 804   | 1/2 | 1,253 | 1/2 | 1,702 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |    | 1/2   |
| 3/4 | 365   | 3/4 | 814   | 3/4 | 1,262 | 3/4 | 1,711 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |    | 3/4   |
| 10  | 374   | 10  | 823   | 10  | 1,272 | 10  | 1,721 | 10  |       | 10  |       | 10  |       | 10  |       | 10  |       |    | 10    |
| 1/4 | 384   | 1/4 | 832   | 1/4 | 1,281 | 1/4 | 1,730 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |    | 1/4   |
| 1/2 | 393   | 1/2 | 842   | 1/2 | 1,291 | 1/2 | 1,739 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |    | 1/2   |
| 3/4 | 402   | 3/4 | 851   | 3/4 | 1,300 | 3/4 | 1,749 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |    | 3/4   |
| 11  | 412   | 11  | 860   | 11  | 1,309 | 11  | 1,758 | 11  |       | 11  |       | 11  |       | 11  |       | 11  |       |    | 11    |
| 1/4 | 421   | 1/4 | 870   | 1/4 | 1,319 | 1/4 | 1,767 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |    | 1/4   |
| 1/2 | 430   | 1/2 | 879   | 1/2 | 1,328 | 1/2 | 1,777 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |    | 1/2   |
| 3/4 | 440   | 3/4 | 888   | 3/4 | 1,337 | 3/4 | 1,786 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |    | 3/4   |

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 AT GAUGE POINT.  
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

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



# BARGE "HTCO 3095"

## FWD SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-07 1/2"

| 0 FT. |     | 1 FT. |     | 2 FT. |       | 3 FT. |       | 4 FT. |       | 5 FT. |     | 6 FT. |     | 7 FT. |     | 8 FT. |     | 9 FT. |     |
|-------|-----|-------|-----|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|
| IN    |     | IN    |     | IN    |       | IN    |       | IN    |       | IN    |     | IN    |     | IN    |     | IN    |     | IN    |     |
| 0     |     | 0     |     | 0     | 1,627 | 0     | 1,178 | 0     | 730   | 0     | 281 | 0     |     | 0     |     | 0     |     | 0     |     |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1,618 | 1/4   | 1,169 | 1/4   | 720   | 1/4   | 271 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1,609 | 1/2   | 1,160 | 1/2   | 711   | 1/2   | 262 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 1,599 | 3/4   | 1,150 | 3/4   | 702   | 3/4   | 253 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 1     |     | 1     |     | 1     | 1,590 | 1     | 1,141 | 1     | 692   | 1     | 243 | 1     |     | 1     |     | 1     |     | 1     |     |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1,581 | 1/4   | 1,132 | 1/4   | 683   | 1/4   | 234 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 2,020 | 1/2   | 1,571 | 1/2   | 1,122 | 1/2   | 225 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 2,011 | 3/4   | 1,562 | 3/4   | 1,113 | 3/4   | 215 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 2     |     | 2     |     | 2     | 2,001 | 2     | 1,552 | 2     | 1,104 | 2     | 206 | 2     |     | 2     |     | 2     |     | 2     |     |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1,992 | 1/4   | 1,543 | 1/4   | 1,094 | 1/4   | 197 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1,983 | 1/2   | 1,534 | 1/2   | 1,085 | 1/2   | 187 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 1,973 | 3/4   | 1,524 | 3/4   | 1,076 | 3/4   | 178 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 3     |     | 3     |     | 3     | 1,964 | 3     | 1,515 | 3     | 1,066 | 3     | 169 | 3     |     | 3     |     | 3     |     | 3     |     |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1,955 | 1/4   | 1,506 | 1/4   | 1,057 | 1/4   | 159 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1,945 | 1/2   | 1,496 | 1/2   | 1,048 | 1/2   | 150 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 1,936 | 3/4   | 1,487 | 3/4   | 1,038 | 3/4   | 140 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 4     |     | 4     |     | 4     | 1,926 | 4     | 1,478 | 4     | 1,029 | 4     | 131 | 4     |     | 4     |     | 4     |     | 4     |     |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1,917 | 1/4   | 1,468 | 1/4   | 1,019 | 1/4   | 122 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1,908 | 1/2   | 1,459 | 1/2   | 1,010 | 1/2   | 112 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 1,898 | 3/4   | 1,450 | 3/4   | 1,001 | 3/4   | 103 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 5     |     | 5     |     | 5     | 1,889 | 5     | 1,440 | 5     | 991   | 5     | 94  | 5     |     | 5     |     | 5     |     | 5     |     |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1,880 | 1/4   | 1,431 | 1/4   | 982   | 1/4   | 84  | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1,870 | 1/2   | 1,422 | 1/2   | 973   | 1/2   | 75  | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 1,861 | 3/4   | 1,412 | 3/4   | 963   | 3/4   | 66  | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 6     |     | 6     |     | 6     | 1,852 | 6     | 1,403 | 6     | 954   | 6     | 56  | 6     |     | 6     |     | 6     |     | 6     |     |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1,842 | 1/4   | 1,394 | 1/4   | 945   | 1/4   | 47  | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1,833 | 1/2   | 1,384 | 1/2   | 935   | 1/2   | 38  | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 1,824 | 3/4   | 1,375 | 3/4   | 926   | 3/4   | 28  | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 7     |     | 7     |     | 7     | 1,814 | 7     | 1,365 | 7     | 917   | 7     | 19  | 7     |     | 7     |     | 7     |     | 7     |     |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1,805 | 1/4   | 1,356 | 1/4   | 907   | 1/4   | 9   | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1,796 | 1/2   | 1,347 | 1/2   | 898   | 1/2   | 0   | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 1,786 | 3/4   | 1,337 | 3/4   | 889   | 3/4   | 440 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 8     |     | 8     |     | 8     | 1,777 | 8     | 1,328 | 8     | 879   | 8     | 430 | 8     |     | 8     |     | 8     |     | 8     |     |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1,768 | 1/4   | 1,319 | 1/4   | 870   | 1/4   | 421 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1,758 | 1/2   | 1,309 | 1/2   | 861   | 1/2   | 412 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 1,749 | 3/4   | 1,300 | 3/4   | 851   | 3/4   | 402 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 9     |     | 9     |     | 9     | 1,739 | 9     | 1,291 | 9     | 842   | 9     | 393 | 9     |     | 9     |     | 9     |     | 9     |     |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1,730 | 1/4   | 1,281 | 1/4   | 832   | 1/4   | 384 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1,721 | 1/2   | 1,272 | 1/2   | 823   | 1/2   | 374 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 1,711 | 3/4   | 1,263 | 3/4   | 814   | 3/4   | 365 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 10    |     | 10    |     | 10    | 1,702 | 10    | 1,253 | 10    | 804   | 10    | 356 | 10    |     | 10    |     | 10    |     | 10    |     |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1,693 | 1/4   | 1,244 | 1/4   | 795   | 1/4   | 346 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1,683 | 1/2   | 1,235 | 1/2   | 786   | 1/2   | 337 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 1,674 | 3/4   | 1,225 | 3/4   | 776   | 3/4   | 328 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 11    |     | 11    |     | 11    | 1,665 | 11    | 1,216 | 11    | 767   | 11    | 318 | 11    |     | 11    |     | 11    |     | 11    |     |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1,655 | 1/4   | 1,206 | 1/4   | 758   | 1/4   | 309 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1,646 | 1/2   | 1,197 | 1/2   | 748   | 1/2   | 299 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 1,637 | 3/4   | 1,188 | 3/4   | 739   | 3/4   | 290 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |

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# BARGE "HTCO 3095"

## AFT SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-07 3/4"

| 0 FT. |     | 1 FT. |     | 2 FT. |       | 3 FT. |       | 4 FT. |     | 5 FT. |     | 6 FT. |     | 7 FT. |     | 8 FT. |     | 9 FT. |     |
|-------|-----|-------|-----|-------|-------|-------|-------|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|
| IN    | OUT | IN    | OUT | IN    | OUT   | IN    | OUT   | IN    | OUT | IN    | OUT | IN    | OUT | IN    | OUT | IN    | OUT | IN    | OUT |
| 0     | 0   | 0     | 0   | 0     | 1,637 | 0     | 1,188 | 0     | 739 | 0     | 290 | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1,627 | 1/4   | 1,178 | 1/4   | 730 | 1/4   | 281 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1,618 | 1/2   | 1,169 | 1/2   | 720 | 1/2   | 271 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 1,609 | 3/4   | 1,160 | 3/4   | 711 | 3/4   | 262 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 1     | 1   | 1     | 1   | 1     | 1,599 | 1     | 1,150 | 1     | 702 | 1     | 253 | 1     | 1   | 1     | 1   | 1     | 1   | 1     | 1   |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1,590 | 1/4   | 1,141 | 1/4   | 692 | 1/4   | 243 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1,581 | 1/2   | 1,132 | 1/2   | 683 | 1/2   | 234 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 1,571 | 3/4   | 1,122 | 3/4   | 673 | 3/4   | 225 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 2     | 2   | 2     | 2   | 2     | 1,562 | 2     | 1,113 | 2     | 664 | 2     | 215 | 2     | 2   | 2     | 2   | 2     | 2   | 2     | 2   |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1,552 | 1/4   | 1,104 | 1/4   | 655 | 1/4   | 206 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1,543 | 1/2   | 1,094 | 1/2   | 645 | 1/2   | 197 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 1,534 | 3/4   | 1,085 | 3/4   | 636 | 3/4   | 187 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 3     | 3   | 3     | 3   | 3     | 1,524 | 3     | 1,076 | 3     | 627 | 3     | 178 | 3     | 3   | 3     | 3   | 3     | 3   | 3     | 3   |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1,515 | 1/4   | 1,066 | 1/4   | 617 | 1/4   | 169 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1,506 | 1/2   | 1,057 | 1/2   | 608 | 1/2   | 159 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 1,496 | 3/4   | 1,048 | 3/4   | 599 | 3/4   | 150 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 4     | 4   | 4     | 4   | 4     | 1,487 | 4     | 1,038 | 4     | 589 | 4     | 140 | 4     | 4   | 4     | 4   | 4     | 4   | 4     | 4   |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1,478 | 1/4   | 1,029 | 1/4   | 580 | 1/4   | 131 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1,468 | 1/2   | 1,019 | 1/2   | 571 | 1/2   | 122 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 1,459 | 3/4   | 1,010 | 3/4   | 561 | 3/4   | 112 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 5     | 5   | 5     | 5   | 5     | 1,450 | 5     | 1,001 | 5     | 552 | 5     | 103 | 5     | 5   | 5     | 5   | 5     | 5   | 5     | 5   |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1,440 | 1/4   | 991   | 1/4   | 543 | 1/4   | 94  | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1,431 | 1/2   | 982   | 1/2   | 533 | 1/2   | 84  | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 1,422 | 3/4   | 973   | 3/4   | 524 | 3/4   | 75  | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 6     | 6   | 6     | 6   | 6     | 1,412 | 6     | 963   | 6     | 515 | 6     | 66  | 6     | 6   | 6     | 6   | 6     | 6   | 6     | 6   |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1,403 | 1/4   | 954   | 1/4   | 505 | 1/4   | 56  | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1,394 | 1/2   | 945   | 1/2   | 496 | 1/2   | 47  | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 1,384 | 3/4   | 935   | 3/4   | 486 | 3/4   | 38  | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 7     | 7   | 7     | 7   | 7     | 1,375 | 7     | 926   | 7     | 477 | 7     | 28  | 7     | 7   | 7     | 7   | 7     | 7   | 7     | 7   |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1,365 | 1/4   | 917   | 1/4   | 468 | 1/4   | 19  | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1,356 | 1/2   | 907   | 1/2   | 458 | 1/2   | 9   | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 1,347 | 3/4   | 898   | 3/4   | 449 | 3/4   | 0   | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 8     | 8   | 8     | 8   | 8     | 1,337 | 8     | 889   | 8     | 440 | 8     | 0   | 8     | 8   | 8     | 8   | 8     | 8   | 8     | 8   |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1,328 | 1/4   | 879   | 1/4   | 430 | 1/4   | 0   | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1,319 | 1/2   | 870   | 1/2   | 421 | 1/2   | 0   | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 1,309 | 3/4   | 861   | 3/4   | 412 | 3/4   | 0   | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 9     | 9   | 9     | 9   | 9     | 1,300 | 9     | 851   | 9     | 402 | 9     | 0   | 9     | 9   | 9     | 9   | 9     | 9   | 9     | 9   |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1,291 | 1/4   | 842   | 1/4   | 393 | 1/4   | 0   | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1,281 | 1/2   | 832   | 1/2   | 384 | 1/2   | 0   | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 1,272 | 3/4   | 823   | 3/4   | 374 | 3/4   | 0   | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 10    | 10  | 10    | 10  | 10    | 1,263 | 10    | 814   | 10    | 365 | 10    | 0   | 10    | 10  | 10    | 10  | 10    | 10  | 10    | 10  |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1,253 | 1/4   | 804   | 1/4   | 356 | 1/4   | 0   | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1,244 | 1/2   | 795   | 1/2   | 346 | 1/2   | 0   | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 1,235 | 3/4   | 786   | 3/4   | 337 | 3/4   | 0   | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 11    | 11  | 11    | 11  | 11    | 1,225 | 11    | 776   | 11    | 328 | 11    | 0   | 11    | 11  | 11    | 11  | 11    | 11  | 11    | 11  |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1,216 | 1/4   | 767   | 1/4   | 318 | 1/4   | 0   | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1,206 | 1/2   | 758   | 1/2   | 309 | 1/2   | 0   | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 1,197 | 3/4   | 748   | 3/4   | 299 | 3/4   | 0   | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |

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 AT GAUGE POINT.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

STRAPPED: 04/01/2013 CL  
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CANCELS AND SUPERCEDES  
 ALL PRIOR TO 04/2013

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.

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