



# BARGE "DBL 94"

## ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 162'-03"

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PRECISION MEASUREMENT  
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# BARGE "DBL 94"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 18'-10"

| 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     | 150,762 | 0     | 142,133 | 0     | 132,784 | 0     | 123,414 | 0     | 114,044 | 0     | 104,094 |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |         | 1/4   | 150,684 | 1/4   | 141,939 | 1/4   | 132,589 | 1/4   | 123,219 | 1/4   | 113,849 | 1/4   | 103,870 |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |         | 1/2   | 150,606 | 1/2   | 141,746 | 1/2   | 132,394 | 1/2   | 123,024 | 1/2   | 113,654 | 1/2   | 103,646 |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |         | 3/4   | 150,528 | 3/4   | 141,553 | 3/4   | 132,198 | 3/4   | 122,828 | 3/4   | 113,459 | 3/4   | 103,422 |
| 1     |     | 1     |     | 1     |     | 1     |         | 1     | 150,449 | 1     | 141,359 | 1     | 132,003 | 1     | 122,633 | 1     | 113,263 | 1     | 103,198 |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |         | 1/4   | 150,296 | 1/4   | 141,166 | 1/4   | 131,808 | 1/4   | 122,438 | 1/4   | 113,068 | 1/4   | 102,974 |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |         | 1/2   | 150,143 | 1/2   | 140,972 | 1/2   | 131,613 | 1/2   | 122,243 | 1/2   | 112,873 | 1/2   | 102,750 |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |         | 3/4   | 149,990 | 3/4   | 140,779 | 3/4   | 131,418 | 3/4   | 122,048 | 3/4   | 112,678 | 3/4   | 102,526 |
| 2     |     | 2     |     | 2     |     | 2     |         | 2     | 149,837 | 2     | 140,585 | 2     | 131,222 | 2     | 121,852 | 2     | 112,483 | 2     | 102,302 |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |         | 1/4   | 149,646 | 1/4   | 140,392 | 1/4   | 131,027 | 1/4   | 121,657 | 1/4   | 112,287 | 1/4   | 102,078 |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |         | 1/2   | 149,456 | 1/2   | 140,198 | 1/2   | 130,832 | 1/2   | 121,462 | 1/2   | 112,092 | 1/2   | 101,854 |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |         | 3/4   | 149,265 | 3/4   | 140,005 | 3/4   | 130,637 | 3/4   | 121,267 | 3/4   | 111,897 | 3/4   | 101,630 |
| 3     |     | 3     |     | 3     |     | 3     |         | 3     | 149,074 | 3     | 139,811 | 3     | 130,442 | 3     | 121,072 | 3     | 111,702 | 3     | 101,406 |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |         | 1/4   | 148,884 | 1/4   | 139,616 | 1/4   | 130,246 | 1/4   | 120,876 | 1/4   | 111,507 | 1/4   | 101,182 |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |         | 1/2   | 148,693 | 1/2   | 139,421 | 1/2   | 130,051 | 1/2   | 120,681 | 1/2   | 111,311 | 1/2   | 100,958 |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |         | 3/4   | 148,503 | 3/4   | 139,226 | 3/4   | 129,856 | 3/4   | 120,486 | 3/4   | 111,116 | 3/4   | 100,734 |
| 4     |     | 4     |     | 4     |     | 4     |         | 4     | 148,312 | 4     | 139,031 | 4     | 129,661 | 4     | 120,291 | 4     | 110,921 | 4     | 100,510 |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |         | 1/4   | 148,122 | 1/4   | 138,835 | 1/4   | 129,465 | 1/4   | 120,096 | 1/4   | 110,726 | 1/4   | 100,286 |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |         | 1/2   | 147,931 | 1/2   | 138,640 | 1/2   | 129,270 | 1/2   | 119,900 | 1/2   | 110,531 | 1/2   | 100,062 |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |         | 3/4   | 147,740 | 3/4   | 138,445 | 3/4   | 129,075 | 3/4   | 119,705 | 3/4   | 110,335 | 3/4   | 99,838  |
| 5     |     | 5     |     | 5     |     | 5     |         | 5     | 147,550 | 5     | 138,250 | 5     | 128,880 | 5     | 119,510 | 5     | 110,140 | 5     | 99,614  |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |         | 1/4   | 147,356 | 1/4   | 138,055 | 1/4   | 128,685 | 1/4   | 119,315 | 1/4   | 109,945 | 1/4   | 99,390  |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |         | 1/2   | 147,163 | 1/2   | 137,859 | 1/2   | 128,489 | 1/2   | 119,120 | 1/2   | 109,750 | 1/2   | 99,166  |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |         | 3/4   | 146,969 | 3/4   | 137,664 | 3/4   | 128,294 | 3/4   | 118,924 | 3/4   | 109,555 | 3/4   | 98,942  |
| 6     |     | 6     |     | 6     |     | 6     |         | 6     | 146,776 | 6     | 137,469 | 6     | 128,099 | 6     | 118,729 | 6     | 109,359 | 6     | 98,718  |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |         | 1/4   | 146,582 | 1/4   | 137,274 | 1/4   | 127,904 | 1/4   | 118,534 | 1/4   | 109,164 | 1/4   | 98,494  |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |         | 1/2   | 146,389 | 1/2   | 137,078 | 1/2   | 127,709 | 1/2   | 118,339 | 1/2   | 108,969 | 1/2   | 98,270  |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |         | 3/4   | 146,196 | 3/4   | 136,883 | 3/4   | 127,513 | 3/4   | 118,144 | 3/4   | 108,774 | 3/4   | 98,046  |
| 7     |     | 7     |     | 7     |     | 7     |         | 7     | 146,002 | 7     | 136,688 | 7     | 127,318 | 7     | 117,948 | 7     | 108,578 | 7     | 97,822  |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |         | 1/4   | 145,809 | 1/4   | 136,493 | 1/4   | 127,123 | 1/4   | 117,753 | 1/4   | 108,354 | 1/4   | 97,598  |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |         | 1/2   | 145,615 | 1/2   | 136,298 | 1/2   | 126,928 | 1/2   | 117,558 | 1/2   | 108,129 | 1/2   | 97,374  |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |         | 3/4   | 145,422 | 3/4   | 136,102 | 3/4   | 126,733 | 3/4   | 117,363 | 3/4   | 107,905 | 3/4   | 97,150  |
| 8     |     | 8     |     | 8     |     | 8     |         | 8     | 145,228 | 8     | 135,907 | 8     | 126,537 | 8     | 117,168 | 8     | 107,680 | 8     | 96,926  |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |         | 1/4   | 145,035 | 1/4   | 135,712 | 1/4   | 126,342 | 1/4   | 116,972 | 1/4   | 107,456 | 1/4   | 96,701  |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |         | 1/2   | 144,841 | 1/2   | 135,517 | 1/2   | 126,147 | 1/2   | 116,777 | 1/2   | 107,231 | 1/2   | 96,477  |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |         | 3/4   | 144,648 | 3/4   | 135,322 | 3/4   | 125,952 | 3/4   | 116,582 | 3/4   | 107,007 | 3/4   | 96,253  |
| 9     |     | 9     |     | 9     |     | 9     |         | 9     | 144,454 | 9     | 135,126 | 9     | 125,757 | 9     | 116,387 | 9     | 106,782 | 9     | 96,029  |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |         | 1/4   | 144,261 | 1/4   | 134,931 | 1/4   | 125,561 | 1/4   | 116,192 | 1/4   | 106,558 | 1/4   | 95,805  |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |         | 1/2   | 144,067 | 1/2   | 134,736 | 1/2   | 125,366 | 1/2   | 115,996 | 1/2   | 106,334 | 1/2   | 95,581  |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |         | 3/4   | 143,874 | 3/4   | 134,541 | 3/4   | 125,171 | 3/4   | 115,801 | 3/4   | 106,110 | 3/4   | 95,357  |
| 10    |     | 10    |     | 10    |     | 10    |         | 10    | 143,681 | 10    | 134,346 | 10    | 124,976 | 10    | 115,606 | 10    | 105,886 | 10    | 95,133  |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |         | 1/4   | 143,487 | 1/4   | 134,150 | 1/4   | 124,781 | 1/4   | 115,411 | 1/4   | 105,662 | 1/4   | 94,909  |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |         | 1/2   | 143,294 | 1/2   | 133,955 | 1/2   | 124,585 | 1/2   | 115,215 | 1/2   | 105,438 | 1/2   | 94,685  |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |         | 3/4   | 143,100 | 3/4   | 133,760 | 3/4   | 124,390 | 3/4   | 115,020 | 3/4   | 105,214 | 3/4   | 94,461  |
| 11    |     | 11    |     | 11    |     | 11    | 150,912 | 11    | 142,907 | 11    | 133,565 | 11    | 124,195 | 11    | 114,825 | 11    | 104,990 | 11    | 94,237  |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |         | 1/4   | 150,875 | 1/4   | 142,713 | 1/4   | 133,370 | 1/4   | 114,630 | 1/4   | 104,766 | 1/4   | 94,013  |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |         | 1/2   | 150,837 | 1/2   | 142,520 | 1/2   | 133,174 | 1/2   | 114,435 | 1/2   | 104,542 | 1/2   | 93,789  |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |         | 3/4   | 150,800 | 3/4   | 142,326 | 3/4   | 132,979 | 3/4   | 114,239 | 3/4   | 104,318 | 3/4   | 93,565  |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 25'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
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# BARGE "DBL 94"

## 1 CENTER ULAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 18'-10"

| IN  | 10 FT. | IN  | 11 FT. | IN  | 12 FT. | IN  | 13 FT. | IN  | 14 FT. | IN  | 15 FT. | IN  | 16 FT. | IN  | 17 FT. | IN  | 18 FT. | IN  | 19 FT. |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0   | 93,341 | 0   | 82,589 | 0   | 71,832 | 0   | 61,075 | 0   | 50,318 | 0   | 39,673 | 0   | 28,921 | 0   | 18,192 | 0   | 7,654  | 0   |        |
| 1/4 | 93,117 | 1/4 | 82,365 | 1/4 | 71,608 | 1/4 | 60,851 | 1/4 | 50,096 | 1/4 | 39,449 | 1/4 | 28,697 | 1/4 | 17,974 | 1/4 | 7,430  | 1/4 |        |
| 1/2 | 92,893 | 1/2 | 82,141 | 1/2 | 71,384 | 1/2 | 60,627 | 1/2 | 49,873 | 1/2 | 39,225 | 1/2 | 28,473 | 1/2 | 17,756 | 1/2 | 7,206  | 1/2 |        |
| 3/4 | 92,669 | 3/4 | 81,917 | 3/4 | 71,160 | 3/4 | 60,403 | 3/4 | 49,651 | 3/4 | 39,001 | 3/4 | 28,249 | 3/4 | 17,538 | 3/4 | 6,982  | 3/4 |        |
| 1   | 92,445 | 1   | 81,692 | 1   | 70,936 | 1   | 60,179 | 1   | 49,428 | 1   | 38,777 | 1   | 28,025 | 1   | 17,320 | 1   | 6,758  | 1   |        |
| 1/4 | 92,221 | 1/4 | 81,468 | 1/4 | 70,711 | 1/4 | 59,955 | 1/4 | 49,206 | 1/4 | 38,553 | 1/4 | 27,801 | 1/4 | 17,102 | 1/4 | 6,534  | 1/4 |        |
| 1/2 | 91,997 | 1/2 | 81,244 | 1/2 | 70,487 | 1/2 | 59,730 | 1/2 | 48,983 | 1/2 | 38,329 | 1/2 | 27,577 | 1/2 | 16,884 | 1/2 | 6,310  | 1/2 |        |
| 3/4 | 91,773 | 3/4 | 81,020 | 3/4 | 70,263 | 3/4 | 59,506 | 3/4 | 48,761 | 3/4 | 38,105 | 3/4 | 27,353 | 3/4 | 16,666 | 3/4 | 6,086  | 3/4 |        |
| 2   | 91,549 | 2   | 80,796 | 2   | 70,039 | 2   | 59,282 | 2   | 48,538 | 2   | 37,881 | 2   | 27,129 | 2   | 16,448 | 2   | 5,862  | 2   |        |
| 1/4 | 91,325 | 1/4 | 80,572 | 1/4 | 69,815 | 1/4 | 59,058 | 1/4 | 48,317 | 1/4 | 37,657 | 1/4 | 26,905 | 1/4 | 16,230 | 1/4 | 5,638  | 1/4 |        |
| 1/2 | 91,101 | 1/2 | 80,348 | 1/2 | 69,591 | 1/2 | 58,834 | 1/2 | 48,096 | 1/2 | 37,433 | 1/2 | 26,681 | 1/2 | 16,012 | 1/2 | 5,414  | 1/2 |        |
| 3/4 | 90,877 | 3/4 | 80,124 | 3/4 | 69,367 | 3/4 | 58,610 | 3/4 | 47,875 | 3/4 | 37,209 | 3/4 | 26,457 | 3/4 | 15,794 | 3/4 | 5,190  | 3/4 |        |
| 3   | 90,653 | 3   | 79,900 | 3   | 69,143 | 3   | 58,386 | 3   | 47,654 | 3   | 36,985 | 3   | 26,233 | 3   | 15,576 | 3   | 4,965  | 3   |        |
| 1/4 | 90,429 | 1/4 | 79,676 | 1/4 | 68,919 | 1/4 | 58,162 | 1/4 | 47,433 | 1/4 | 36,761 | 1/4 | 26,009 | 1/4 | 15,358 | 1/4 | 4,741  | 1/4 |        |
| 1/2 | 90,205 | 1/2 | 79,451 | 1/2 | 68,695 | 1/2 | 57,938 | 1/2 | 47,212 | 1/2 | 36,537 | 1/2 | 25,785 | 1/2 | 15,140 | 1/2 | 4,517  | 1/2 |        |
| 3/4 | 89,981 | 3/4 | 79,227 | 3/4 | 68,470 | 3/4 | 57,714 | 3/4 | 46,991 | 3/4 | 36,313 | 3/4 | 25,561 | 3/4 | 14,922 | 3/4 | 4,293  | 3/4 |        |
| 4   | 89,757 | 4   | 79,003 | 4   | 68,246 | 4   | 57,489 | 4   | 46,770 | 4   | 36,089 | 4   | 25,337 | 4   | 14,704 | 4   | 4,069  | 4   |        |
| 1/4 | 89,533 | 1/4 | 78,779 | 1/4 | 68,022 | 1/4 | 57,265 | 1/4 | 46,549 | 1/4 | 35,865 | 1/4 | 25,113 | 1/4 | 14,485 | 1/4 | 3,845  | 1/4 |        |
| 1/2 | 89,309 | 1/2 | 78,555 | 1/2 | 67,798 | 1/2 | 57,041 | 1/2 | 46,328 | 1/2 | 35,641 | 1/2 | 24,889 | 1/2 | 14,267 | 1/2 | 3,620  | 1/2 |        |
| 3/4 | 89,085 | 3/4 | 78,331 | 3/4 | 67,574 | 3/4 | 56,817 | 3/4 | 46,107 | 3/4 | 35,417 | 3/4 | 24,665 | 3/4 | 14,049 | 3/4 | 3,396  | 3/4 |        |
| 5   | 88,861 | 5   | 78,107 | 5   | 67,350 | 5   | 56,593 | 5   | 45,886 | 5   | 35,193 | 5   | 24,441 | 5   | 13,831 | 5   | 3,172  | 5   |        |
| 1/4 | 88,637 | 1/4 | 77,883 | 1/4 | 67,126 | 1/4 | 56,369 | 1/4 | 45,665 | 1/4 | 34,969 | 1/4 | 24,217 | 1/4 | 13,613 | 1/4 | 2,948  | 1/4 |        |
| 1/2 | 88,413 | 1/2 | 77,659 | 1/2 | 66,902 | 1/2 | 56,145 | 1/2 | 45,443 | 1/2 | 34,745 | 1/2 | 23,993 | 1/2 | 13,395 | 1/2 | 2,723  | 1/2 |        |
| 3/4 | 88,189 | 3/4 | 77,435 | 3/4 | 66,678 | 3/4 | 55,921 | 3/4 | 45,222 | 3/4 | 34,521 | 3/4 | 23,769 | 3/4 | 13,177 | 3/4 | 2,498  | 3/4 |        |
| 6   | 87,965 | 6   | 77,210 | 6   | 66,454 | 6   | 55,697 | 6   | 45,001 | 6   | 34,297 | 6   | 23,545 | 6   | 12,959 | 6   | 2,274  | 6   |        |
| 1/4 | 87,741 | 1/4 | 76,986 | 1/4 | 66,229 | 1/4 | 55,473 | 1/4 | 44,780 | 1/4 | 34,073 | 1/4 | 23,321 | 1/4 | 12,741 | 1/4 | 2,049  | 1/4 |        |
| 1/2 | 87,517 | 1/2 | 76,762 | 1/2 | 66,005 | 1/2 | 55,248 | 1/2 | 44,559 | 1/2 | 33,849 | 1/2 | 23,097 | 1/2 | 12,523 | 1/2 | 1,824  | 1/2 |        |
| 3/4 | 87,293 | 3/4 | 76,538 | 3/4 | 65,781 | 3/4 | 55,024 | 3/4 | 44,338 | 3/4 | 33,625 | 3/4 | 22,873 | 3/4 | 12,305 | 3/4 | 1,600  | 3/4 |        |
| 7   | 87,069 | 7   | 76,314 | 7   | 65,557 | 7   | 54,800 | 7   | 44,117 | 7   | 33,401 | 7   | 22,649 | 7   | 12,087 | 7   | 1,375  | 7   |        |
| 1/4 | 86,845 | 1/4 | 76,090 | 1/4 | 65,333 | 1/4 | 54,576 | 1/4 | 43,896 | 1/4 | 33,177 | 1/4 | 22,425 | 1/4 | 11,869 | 1/4 | 1,188  | 1/4 |        |
| 1/2 | 86,621 | 1/2 | 75,866 | 1/2 | 65,109 | 1/2 | 54,352 | 1/2 | 43,675 | 1/2 | 32,953 | 1/2 | 22,201 | 1/2 | 11,651 | 1/2 | 1,001  | 1/2 |        |
| 3/4 | 86,397 | 3/4 | 75,642 | 3/4 | 64,885 | 3/4 | 54,128 | 3/4 | 43,454 | 3/4 | 32,729 | 3/4 | 21,977 | 3/4 | 11,433 | 3/4 | 813    | 3/4 |        |
| 8   | 86,173 | 8   | 75,418 | 8   | 64,661 | 8   | 53,904 | 8   | 43,233 | 8   | 32,505 | 8   | 21,753 | 8   | 11,215 | 8   | 626    | 8   |        |
| 1/4 | 85,949 | 1/4 | 75,193 | 1/4 | 64,437 | 1/4 | 53,680 | 1/4 | 43,012 | 1/4 | 32,281 | 1/4 | 21,529 | 1/4 | 10,997 | 1/4 | 514    | 1/4 |        |
| 1/2 | 85,725 | 1/2 | 74,969 | 1/2 | 64,213 | 1/2 | 53,456 | 1/2 | 42,791 | 1/2 | 32,057 | 1/2 | 21,305 | 1/2 | 10,779 | 1/2 | 402    | 1/2 |        |
| 3/4 | 85,501 | 3/4 | 74,745 | 3/4 | 63,988 | 3/4 | 53,232 | 3/4 | 42,570 | 3/4 | 31,833 | 3/4 | 21,081 | 3/4 | 10,561 | 3/4 | 289    | 3/4 |        |
| 9   | 85,277 | 9   | 74,521 | 9   | 63,764 | 9   | 53,007 | 9   | 42,349 | 9   | 31,609 | 9   | 20,857 | 9   | 10,342 | 9   | 177    | 9   |        |
| 1/4 | 85,053 | 1/4 | 74,297 | 1/4 | 63,540 | 1/4 | 52,783 | 1/4 | 42,128 | 1/4 | 31,385 | 1/4 | 20,633 | 1/4 | 10,118 | 1/4 | 139    | 1/4 |        |
| 1/2 | 84,829 | 1/2 | 74,073 | 1/2 | 63,316 | 1/2 | 52,559 | 1/2 | 41,907 | 1/2 | 31,161 | 1/2 | 20,409 | 1/2 | 9,894  | 1/2 | 102    | 1/2 |        |
| 3/4 | 84,605 | 3/4 | 73,849 | 3/4 | 63,092 | 3/4 | 52,335 | 3/4 | 41,686 | 3/4 | 30,937 | 3/4 | 20,185 | 3/4 | 9,670  | 3/4 | 65     | 3/4 |        |
| 10  | 84,381 | 10  | 73,625 | 10  | 62,868 | 10  | 52,111 | 10  | 41,465 | 10  | 30,713 | 10  | 19,961 | 10  | 9,446  | 10  | 27     | 10  |        |
| 1/4 | 84,157 | 1/4 | 73,401 | 1/4 | 62,644 | 1/4 | 51,887 | 1/4 | 41,241 | 1/4 | 30,489 | 1/4 | 19,737 | 1/4 | 9,222  | 1/4 |        | 1/4 |        |
| 1/2 | 83,933 | 1/2 | 73,177 | 1/2 | 62,420 | 1/2 | 51,663 | 1/2 | 41,017 | 1/2 | 30,265 | 1/2 | 19,513 | 1/2 | 8,998  | 1/2 |        | 1/2 |        |
| 3/4 | 83,709 | 3/4 | 72,952 | 3/4 | 62,196 | 3/4 | 51,439 | 3/4 | 40,793 | 3/4 | 30,041 | 3/4 | 19,289 | 3/4 | 8,774  | 3/4 |        | 3/4 |        |
| 11  | 83,485 | 11  | 72,728 | 11  | 61,972 | 11  | 51,215 | 11  | 40,569 | 11  | 29,817 | 11  | 19,065 | 11  | 8,550  | 11  |        | 11  |        |
| 1/4 | 83,261 | 1/4 | 72,504 | 1/4 | 61,747 | 1/4 | 50,991 | 1/4 | 40,345 | 1/4 | 29,593 | 1/4 | 18,846 | 1/4 | 8,326  | 1/4 |        | 1/4 |        |
| 1/2 | 83,037 | 1/2 | 72,280 | 1/2 | 61,523 | 1/2 | 50,766 | 1/2 | 40,121 | 1/2 | 29,369 | 1/2 | 18,628 | 1/2 | 8,102  | 1/2 |        | 1/2 |        |
| 3/4 | 82,813 | 3/4 | 72,056 | 3/4 | 61,299 | 3/4 | 50,542 | 3/4 | 39,897 | 3/4 | 29,145 | 3/4 | 18,410 | 3/4 | 7,878  | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/17/2012 CL - SW  
CALCULATED: 10/17/2012 CL  
PRINTED: 10/17/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2012

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



# BARGE "DBL 94"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 18'-10 1/4"

| 0 FT. |     | 1 FT. |     | 2 FT. |     | 3 FT. |     | 4 FT.   |     | 5 FT.   |     | 6 FT.   |     | 7 FT.   |     | 8 FT.   |     | 9 FT.   |     |         |
|-------|-----|-------|-----|-------|-----|-------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|
| IN    | IN  | IN    | IN  | IN    | IN  | IN    | IN  | IN      | IN  | IN      | IN  | IN      | IN  | IN      | IN  | IN      | IN  | IN      | IN  |         |
| 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 176,403 | 0   | 165,389 | 0   | 153,352 | 0   | 141,285 | 0   | 129,217 | 0   | 117,150 |     |         |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 176,361 | 1/4 | 165,140 | 1/4 | 153,101 | 1/4 | 141,033 | 1/4 | 128,966 | 1/4 | 116,899 |     |         |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 176,241 | 1/2 | 164,891 | 1/2 | 152,849 | 1/2 | 140,782 | 1/2 | 128,715 | 1/2 | 116,647 |     |         |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 176,121 | 3/4 | 164,642 | 3/4 | 152,598 | 3/4 | 140,531 | 3/4 | 128,463 | 3/4 | 116,396 |     |         |
| 1     | 1   | 1     | 1   | 1     | 1   | 1     | 1   | 176,001 | 1   | 164,393 | 1   | 152,347 | 1   | 140,279 | 1   | 128,212 | 1   | 116,144 |     |         |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 175,881 | 1/4 | 164,144 | 1/4 | 152,095 | 1/4 | 140,028 | 1/4 | 127,960 | 1/4 | 115,893 |     |         |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 175,677 | 1/2 | 163,895 | 1/2 | 151,844 | 1/2 | 139,776 | 1/2 | 127,709 | 1/2 | 115,642 |     |         |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 175,473 | 3/4 | 163,646 | 3/4 | 151,592 | 3/4 | 139,525 | 3/4 | 127,458 | 3/4 | 115,390 |     |         |
| 2     | 2   | 2     | 2   | 2     | 2   | 2     | 2   | 175,269 | 2   | 163,397 | 2   | 151,341 | 2   | 139,274 | 2   | 127,206 | 2   | 115,139 |     |         |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 175,065 | 1/4 | 163,148 | 1/4 | 151,090 | 1/4 | 139,022 | 1/4 | 126,955 | 1/4 | 114,887 |     |         |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 174,819 | 1/2 | 162,899 | 1/2 | 150,838 | 1/2 | 138,771 | 1/2 | 126,703 | 1/2 | 114,636 |     |         |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 174,573 | 3/4 | 162,650 | 3/4 | 150,587 | 3/4 | 138,519 | 3/4 | 126,452 | 3/4 | 114,385 |     |         |
| 3     | 3   | 3     | 3   | 3     | 3   | 3     | 3   | 174,327 | 3   | 162,401 | 3   | 150,335 | 3   | 138,268 | 3   | 126,201 | 3   | 114,133 |     |         |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 174,082 | 1/4 | 162,151 | 1/4 | 150,084 | 1/4 | 138,017 | 1/4 | 125,949 | 1/4 | 113,882 |     |         |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 173,836 | 1/2 | 161,900 | 1/2 | 149,833 | 1/2 | 137,765 | 1/2 | 125,698 | 1/2 | 113,630 |     |         |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 173,590 | 3/4 | 161,649 | 3/4 | 149,581 | 3/4 | 137,514 | 3/4 | 125,446 | 3/4 | 113,379 |     |         |
| 4     | 4   | 4     | 4   | 4     | 4   | 4     | 4   | 173,344 | 4   | 161,397 | 4   | 149,330 | 4   | 137,262 | 4   | 125,195 | 4   | 113,127 |     |         |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 173,098 | 1/4 | 161,146 | 1/4 | 149,078 | 1/4 | 137,011 | 1/4 | 124,944 | 1/4 | 112,876 |     |         |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 172,852 | 1/2 | 160,894 | 1/2 | 148,827 | 1/2 | 136,760 | 1/2 | 124,692 | 1/2 | 112,625 |     |         |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 172,606 | 3/4 | 160,643 | 3/4 | 148,576 | 3/4 | 136,508 | 3/4 | 124,441 | 3/4 | 112,373 |     |         |
| 5     | 5   | 5     | 5   | 5     | 5   | 5     | 5   | 172,360 | 5   | 160,392 | 5   | 148,324 | 5   | 136,257 | 5   | 124,189 | 5   | 112,122 |     |         |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 172,114 | 1/4 | 160,140 | 1/4 | 148,073 | 1/4 | 136,005 | 1/4 | 123,938 | 1/4 | 111,870 |     |         |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 171,865 | 1/2 | 159,889 | 1/2 | 147,821 | 1/2 | 135,754 | 1/2 | 123,687 | 1/2 | 111,619 |     |         |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 171,616 | 3/4 | 159,637 | 3/4 | 147,570 | 3/4 | 135,503 | 3/4 | 123,435 | 3/4 | 111,368 |     |         |
| 6     | 6   | 6     | 6   | 6     | 6   | 6     | 6   | 171,367 | 6   | 159,386 | 6   | 147,319 | 6   | 135,251 | 6   | 123,184 | 6   | 111,116 |     |         |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 171,118 | 1/4 | 159,135 | 1/4 | 147,067 | 1/4 | 135,000 | 1/4 | 122,932 | 1/4 | 110,865 |     |         |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 170,869 | 1/2 | 158,883 | 1/2 | 146,816 | 1/2 | 134,748 | 1/2 | 122,681 | 1/2 | 110,613 |     |         |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 170,620 | 3/4 | 158,632 | 3/4 | 146,564 | 3/4 | 134,497 | 3/4 | 122,429 | 3/4 | 110,362 |     |         |
| 7     | 7   | 7     | 7   | 7     | 7   | 7     | 7   | 170,371 | 7   | 158,380 | 7   | 146,313 | 7   | 134,246 | 7   | 122,178 | 7   | 110,111 |     |         |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 170,122 | 1/4 | 158,129 | 1/4 | 146,062 | 1/4 | 133,994 | 1/4 | 121,927 | 1/4 | 109,859 |     |         |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 169,873 | 1/2 | 157,878 | 1/2 | 145,810 | 1/2 | 133,743 | 1/2 | 121,675 | 1/2 | 109,608 |     |         |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 169,624 | 3/4 | 157,626 | 3/4 | 145,559 | 3/4 | 133,491 | 3/4 | 121,424 | 3/4 | 109,356 |     |         |
| 8     | 8   | 8     | 8   | 8     | 8   | 8     | 8   | 169,375 | 8   | 157,375 | 8   | 145,307 | 8   | 133,240 | 8   | 121,172 | 8   | 109,105 |     |         |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 169,126 | 1/4 | 157,123 | 1/4 | 145,056 | 1/4 | 132,988 | 1/4 | 120,921 | 1/4 | 108,854 |     |         |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 168,877 | 1/2 | 156,872 | 1/2 | 144,805 | 1/2 | 132,737 | 1/2 | 120,670 | 1/2 | 108,602 |     |         |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 168,627 | 3/4 | 156,621 | 3/4 | 144,553 | 3/4 | 132,486 | 3/4 | 120,418 | 3/4 | 108,351 |     |         |
| 9     | 9   | 9     | 9   | 9     | 9   | 9     | 9   | 168,378 | 9   | 156,369 | 9   | 144,302 | 9   | 132,234 | 9   | 120,167 | 9   | 108,099 |     |         |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 168,129 | 1/4 | 156,118 | 1/4 | 144,050 | 1/4 | 131,983 | 1/4 | 119,915 | 1/4 | 107,848 |     |         |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 167,880 | 1/2 | 155,866 | 1/2 | 143,799 | 1/2 | 131,731 | 1/2 | 119,664 | 1/2 | 107,597 |     |         |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 167,631 | 3/4 | 155,615 | 3/4 | 143,547 | 3/4 | 131,480 | 3/4 | 119,413 | 3/4 | 107,345 |     |         |
| 10    | 10  | 10    | 10  | 10    | 10  | 10    | 10  | 167,382 | 10  | 155,364 | 10  | 143,296 | 10  | 131,229 | 10  | 119,161 | 10  | 107,094 |     |         |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 167,133 | 1/4 | 155,112 | 1/4 | 143,045 | 1/4 | 130,977 | 1/4 | 118,910 | 1/4 | 106,842 |     |         |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 166,884 | 1/2 | 154,861 | 1/2 | 142,793 | 1/2 | 130,726 | 1/2 | 118,658 | 1/2 | 106,591 |     |         |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 166,635 | 3/4 | 154,609 | 3/4 | 142,542 | 3/4 | 130,474 | 3/4 | 118,407 | 3/4 | 106,340 |     |         |
| 11    | 11  | 11    | 11  | 11    | 11  | 11    | 11  | 166,386 | 11  | 154,358 | 11  | 142,290 | 11  | 130,223 | 11  | 118,156 | 11  | 106,088 |     |         |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 176,529 | 1/4 | 164,137 | 1/4 | 154,107 | 1/4 | 142,039 | 1/4 | 129,972 | 1/4 | 117,904 | 1/4 | 105,837 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 176,487 | 1/2 | 165,888 | 1/2 | 153,855 | 1/2 | 141,788 | 1/2 | 129,720 | 1/2 | 117,653 | 1/2 | 105,585 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 176,445 | 3/4 | 165,639 | 3/4 | 153,604 | 3/4 | 141,536 | 3/4 | 129,469 | 3/4 | 117,401 | 3/4 | 105,334 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 30'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "DBL 94"

## 2 CENTER ULAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 18'-10 1/4"

| IN  | 10 FT.  | IN  | 11 FT. | IN  | 12 FT. | IN  | 13 FT. | IN  | 14 FT. | IN  | 15 FT. | IN  | 16 FT. | IN  | 17 FT. | IN  | 18 FT. | IN  | 19 FT. |
|-----|---------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0   | 105,083 | 0   | 93,015 | 0   | 80,942 | 0   | 68,869 | 0   | 56,796 | 0   | 44,722 | 0   | 32,649 | 0   | 20,600 | 0   | 8,829  | 0   |        |
| 1/4 | 104,831 | 1/4 | 92,764 | 1/4 | 80,690 | 1/4 | 68,617 | 1/4 | 56,544 | 1/4 | 44,471 | 1/4 | 32,398 | 1/4 | 20,357 | 1/4 | 8,577  | 1/4 |        |
| 1/2 | 104,580 | 1/2 | 92,512 | 1/2 | 80,439 | 1/2 | 68,366 | 1/2 | 56,292 | 1/2 | 44,219 | 1/2 | 32,146 | 1/2 | 20,114 | 1/2 | 8,326  | 1/2 |        |
| 3/4 | 104,328 | 3/4 | 92,261 | 3/4 | 80,187 | 3/4 | 68,114 | 3/4 | 56,041 | 3/4 | 43,968 | 3/4 | 31,894 | 3/4 | 19,870 | 3/4 | 8,075  | 3/4 |        |
| 1   | 104,077 | 1   | 92,009 | 1   | 79,936 | 1   | 67,863 | 1   | 55,789 | 1   | 43,716 | 1   | 31,643 | 1   | 19,627 | 1   | 7,823  | 1   |        |
| 1/4 | 103,826 | 1/4 | 91,758 | 1/4 | 79,684 | 1/4 | 67,611 | 1/4 | 55,538 | 1/4 | 43,465 | 1/4 | 31,391 | 1/4 | 19,384 | 1/4 | 7,572  | 1/4 |        |
| 1/2 | 103,574 | 1/2 | 91,506 | 1/2 | 79,433 | 1/2 | 67,360 | 1/2 | 55,286 | 1/2 | 43,213 | 1/2 | 31,140 | 1/2 | 19,140 | 1/2 | 7,321  | 1/2 |        |
| 3/4 | 103,323 | 3/4 | 91,255 | 3/4 | 79,181 | 3/4 | 67,108 | 3/4 | 55,035 | 3/4 | 42,962 | 3/4 | 30,888 | 3/4 | 18,897 | 3/4 | 7,069  | 3/4 |        |
| 2   | 103,071 | 2   | 91,003 | 2   | 78,930 | 2   | 66,857 | 2   | 54,783 | 2   | 42,710 | 2   | 30,637 | 2   | 18,654 | 2   | 6,818  | 2   |        |
| 1/4 | 102,820 | 1/4 | 90,751 | 1/4 | 78,678 | 1/4 | 66,605 | 1/4 | 54,532 | 1/4 | 42,459 | 1/4 | 30,385 | 1/4 | 18,411 | 1/4 | 6,566  | 1/4 |        |
| 1/2 | 102,568 | 1/2 | 90,500 | 1/2 | 78,427 | 1/2 | 66,353 | 1/2 | 54,280 | 1/2 | 42,207 | 1/2 | 30,134 | 1/2 | 18,167 | 1/2 | 6,315  | 1/2 |        |
| 3/4 | 102,317 | 3/4 | 90,248 | 3/4 | 78,175 | 3/4 | 66,102 | 3/4 | 54,029 | 3/4 | 41,955 | 3/4 | 29,882 | 3/4 | 17,924 | 3/4 | 6,063  | 3/4 |        |
| 3   | 102,066 | 3   | 89,997 | 3   | 77,924 | 3   | 65,850 | 3   | 53,777 | 3   | 41,704 | 3   | 29,631 | 3   | 17,681 | 3   | 5,812  | 3   |        |
| 1/4 | 101,814 | 1/4 | 89,745 | 1/4 | 77,672 | 1/4 | 65,599 | 1/4 | 53,526 | 1/4 | 41,452 | 1/4 | 29,379 | 1/4 | 17,437 | 1/4 | 5,560  | 1/4 |        |
| 1/2 | 101,563 | 1/2 | 89,494 | 1/2 | 77,421 | 1/2 | 65,347 | 1/2 | 53,274 | 1/2 | 41,201 | 1/2 | 29,128 | 1/2 | 17,194 | 1/2 | 5,309  | 1/2 |        |
| 3/4 | 101,311 | 3/4 | 89,242 | 3/4 | 77,169 | 3/4 | 65,096 | 3/4 | 53,023 | 3/4 | 40,949 | 3/4 | 28,876 | 3/4 | 16,951 | 3/4 | 5,057  | 3/4 |        |
| 4   | 101,060 | 4   | 88,991 | 4   | 76,918 | 4   | 64,844 | 4   | 52,771 | 4   | 40,698 | 4   | 28,625 | 4   | 16,707 | 4   | 4,806  | 4   |        |
| 1/4 | 100,809 | 1/4 | 88,739 | 1/4 | 76,666 | 1/4 | 64,593 | 1/4 | 52,520 | 1/4 | 40,446 | 1/4 | 28,373 | 1/4 | 16,464 | 1/4 | 4,554  | 1/4 |        |
| 1/2 | 100,557 | 1/2 | 88,488 | 1/2 | 76,415 | 1/2 | 64,341 | 1/2 | 52,268 | 1/2 | 40,195 | 1/2 | 28,122 | 1/2 | 16,221 | 1/2 | 4,303  | 1/2 |        |
| 3/4 | 100,306 | 3/4 | 88,236 | 3/4 | 76,163 | 3/4 | 64,090 | 3/4 | 52,017 | 3/4 | 39,943 | 3/4 | 27,870 | 3/4 | 15,977 | 3/4 | 4,051  | 3/4 |        |
| 5   | 100,054 | 5   | 87,985 | 5   | 75,911 | 5   | 63,838 | 5   | 51,765 | 5   | 39,692 | 5   | 27,619 | 5   | 15,734 | 5   | 3,800  | 5   |        |
| 1/4 | 99,803  | 1/4 | 87,733 | 1/4 | 75,660 | 1/4 | 63,587 | 1/4 | 51,513 | 1/4 | 39,440 | 1/4 | 27,367 | 1/4 | 15,491 | 1/4 | 3,548  | 1/4 |        |
| 1/2 | 99,552  | 1/2 | 87,482 | 1/2 | 75,408 | 1/2 | 63,335 | 1/2 | 51,262 | 1/2 | 39,189 | 1/2 | 27,115 | 1/2 | 15,247 | 1/2 | 3,297  | 1/2 |        |
| 3/4 | 99,300  | 3/4 | 87,230 | 3/4 | 75,157 | 3/4 | 63,084 | 3/4 | 51,010 | 3/4 | 38,937 | 3/4 | 26,864 | 3/4 | 15,004 | 3/4 | 3,045  | 3/4 |        |
| 6   | 99,049  | 6   | 86,979 | 6   | 74,905 | 6   | 62,832 | 6   | 50,759 | 6   | 38,686 | 6   | 26,612 | 6   | 14,761 | 6   | 2,794  | 6   |        |
| 1/4 | 98,797  | 1/4 | 86,727 | 1/4 | 74,654 | 1/4 | 62,581 | 1/4 | 50,507 | 1/4 | 38,434 | 1/4 | 26,361 | 1/4 | 14,517 | 1/4 | 2,542  | 1/4 |        |
| 1/2 | 98,546  | 1/2 | 86,476 | 1/2 | 74,402 | 1/2 | 62,329 | 1/2 | 50,256 | 1/2 | 38,183 | 1/2 | 26,109 | 1/2 | 14,274 | 1/2 | 2,291  | 1/2 |        |
| 3/4 | 98,295  | 3/4 | 86,224 | 3/4 | 74,151 | 3/4 | 62,078 | 3/4 | 50,004 | 3/4 | 37,931 | 3/4 | 25,858 | 3/4 | 14,031 | 3/4 | 2,039  | 3/4 |        |
| 7   | 98,043  | 7   | 85,972 | 7   | 73,899 | 7   | 61,826 | 7   | 49,753 | 7   | 37,680 | 7   | 25,606 | 7   | 13,788 | 7   | 1,788  | 7   |        |
| 1/4 | 97,792  | 1/4 | 85,721 | 1/4 | 73,648 | 1/4 | 61,575 | 1/4 | 49,501 | 1/4 | 37,428 | 1/4 | 25,355 | 1/4 | 13,545 | 1/4 | 1,536  | 1/4 |        |
| 1/2 | 97,540  | 1/2 | 85,469 | 1/2 | 73,396 | 1/2 | 61,323 | 1/2 | 49,250 | 1/2 | 37,177 | 1/2 | 25,103 | 1/2 | 13,301 | 1/2 | 1,327  | 1/2 |        |
| 3/4 | 97,289  | 3/4 | 85,218 | 3/4 | 73,145 | 3/4 | 61,071 | 3/4 | 48,998 | 3/4 | 36,925 | 3/4 | 24,852 | 3/4 | 13,057 | 3/4 | 1,117  | 3/4 |        |
| 8   | 97,038  | 8   | 84,966 | 8   | 72,893 | 8   | 60,820 | 8   | 48,747 | 8   | 36,673 | 8   | 24,600 | 8   | 12,813 | 8   | 907    | 8   |        |
| 1/4 | 96,786  | 1/4 | 84,715 | 1/4 | 72,642 | 1/4 | 60,568 | 1/4 | 48,495 | 1/4 | 36,422 | 1/4 | 24,349 | 1/4 | 12,569 | 1/4 | 698    | 1/4 |        |
| 1/2 | 96,535  | 1/2 | 84,463 | 1/2 | 72,390 | 1/2 | 60,317 | 1/2 | 48,244 | 1/2 | 36,170 | 1/2 | 24,097 | 1/2 | 12,325 | 1/2 | 572    | 1/2 |        |
| 3/4 | 96,283  | 3/4 | 84,212 | 3/4 | 72,139 | 3/4 | 60,065 | 3/4 | 47,992 | 3/4 | 35,919 | 3/4 | 23,846 | 3/4 | 12,082 | 3/4 | 446    | 3/4 |        |
| 9   | 96,032  | 9   | 83,960 | 9   | 71,887 | 9   | 59,814 | 9   | 47,741 | 9   | 35,667 | 9   | 23,594 | 9   | 11,838 | 9   | 321    | 9   |        |
| 1/4 | 95,781  | 1/4 | 83,709 | 1/4 | 71,636 | 1/4 | 59,562 | 1/4 | 47,489 | 1/4 | 35,416 | 1/4 | 23,343 | 1/4 | 11,594 | 1/4 | 195    | 1/4 |        |
| 1/2 | 95,529  | 1/2 | 83,457 | 1/2 | 71,384 | 1/2 | 59,311 | 1/2 | 47,238 | 1/2 | 35,164 | 1/2 | 23,091 | 1/2 | 11,343 | 1/2 | 153    | 1/2 |        |
| 3/4 | 95,278  | 3/4 | 83,206 | 3/4 | 71,132 | 3/4 | 59,059 | 3/4 | 46,986 | 3/4 | 34,913 | 3/4 | 22,840 | 3/4 | 11,091 | 3/4 | 111    | 3/4 |        |
| 10  | 95,026  | 10  | 82,954 | 10  | 70,881 | 10  | 58,808 | 10  | 46,734 | 10  | 34,661 | 10  | 22,588 | 10  | 10,840 | 10  | 69     | 10  |        |
| 1/4 | 94,775  | 1/4 | 82,703 | 1/4 | 70,629 | 1/4 | 58,556 | 1/4 | 46,483 | 1/4 | 34,410 | 1/4 | 22,336 | 1/4 | 10,588 | 1/4 | 27     | 1/4 |        |
| 1/2 | 94,524  | 1/2 | 82,451 | 1/2 | 70,378 | 1/2 | 58,305 | 1/2 | 46,231 | 1/2 | 34,158 | 1/2 | 22,085 | 1/2 | 10,337 | 1/2 |        | 1/2 |        |
| 3/4 | 94,272  | 3/4 | 82,200 | 3/4 | 70,126 | 3/4 | 58,053 | 3/4 | 45,980 | 3/4 | 33,907 | 3/4 | 21,833 | 3/4 | 10,086 | 3/4 |        | 3/4 |        |
| 11  | 94,021  | 11  | 81,948 | 11  | 69,875 | 11  | 57,802 | 11  | 45,728 | 11  | 33,655 | 11  | 21,582 | 11  | 9,834  | 11  |        | 11  |        |
| 1/4 | 93,769  | 1/4 | 81,697 | 1/4 | 69,623 | 1/4 | 57,550 | 1/4 | 45,477 | 1/4 | 33,404 | 1/4 | 21,330 | 1/4 | 9,583  | 1/4 |        | 1/4 |        |
| 1/2 | 93,518  | 1/2 | 81,445 | 1/2 | 69,372 | 1/2 | 57,299 | 1/2 | 45,225 | 1/2 | 33,152 | 1/2 | 21,087 | 1/2 | 9,332  | 1/2 |        | 1/2 |        |
| 3/4 | 93,266  | 3/4 | 81,194 | 3/4 | 69,120 | 3/4 | 57,047 | 3/4 | 44,974 | 3/4 | 32,901 | 3/4 | 20,844 | 3/4 | 9,080  | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/17/2012 CL - SW  
CALCULATED: 10/17/2012 CL  
PRINTED: 10/17/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2012

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



# BARGE "DBL 94"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 18'-09 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     | 155,326 | 0     | 145,340 | 0     | 134,745 | 0     | 124,129 | 0     | 113,512 | 0     | 102,895 |     |        |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 155,220 | 1/4   | 145,121 | 1/4   | 134,524 | 1/4   | 123,907 | 1/4   | 113,290 | 1/4   | 102,673 |     |        |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 155,115 | 1/2   | 144,902 | 1/2   | 134,303 | 1/2   | 123,686 | 1/2   | 113,069 | 1/2   | 102,452 |     |        |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 155,009 | 3/4   | 144,683 | 3/4   | 134,082 | 3/4   | 123,465 | 3/4   | 112,848 | 3/4   | 102,231 |     |        |
| 1     |     | 1     |     | 1     |     | 1     |     | 1     | 154,830 | 1     | 144,463 | 1     | 133,861 | 1     | 123,244 | 1     | 112,627 | 1     | 102,010 |     |        |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 154,650 | 1/4   | 144,244 | 1/4   | 133,640 | 1/4   | 123,023 | 1/4   | 112,406 | 1/4   | 101,789 |     |        |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 154,471 | 1/2   | 144,025 | 1/2   | 133,418 | 1/2   | 122,801 | 1/2   | 112,185 | 1/2   | 101,568 |     |        |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 154,291 | 3/4   | 143,806 | 3/4   | 133,197 | 3/4   | 122,580 | 3/4   | 111,963 | 3/4   | 101,346 |     |        |
| 2     |     | 2     |     | 2     |     | 2     |     | 2     | 154,075 | 2     | 143,587 | 2     | 132,976 | 2     | 122,359 | 2     | 111,742 | 2     | 101,125 |     |        |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 153,859 | 1/4   | 143,368 | 1/4   | 132,755 | 1/4   | 122,138 | 1/4   | 111,521 | 1/4   | 100,904 |     |        |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 153,642 | 1/2   | 143,149 | 1/2   | 132,534 | 1/2   | 121,917 | 1/2   | 111,300 | 1/2   | 100,683 |     |        |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 153,426 | 3/4   | 142,929 | 3/4   | 132,312 | 3/4   | 121,696 | 3/4   | 111,079 | 3/4   | 100,462 |     |        |
| 3     |     | 3     |     | 3     |     | 3     |     | 3     | 153,210 | 3     | 142,708 | 3     | 132,091 | 3     | 121,474 | 3     | 110,857 | 3     | 100,240 |     |        |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 152,993 | 1/4   | 142,487 | 1/4   | 131,870 | 1/4   | 121,253 | 1/4   | 110,636 | 1/4   | 100,019 |     |        |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 152,777 | 1/2   | 142,266 | 1/2   | 131,649 | 1/2   | 121,032 | 1/2   | 110,415 | 1/2   | 99,798  |     |        |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 152,561 | 3/4   | 142,045 | 3/4   | 131,428 | 3/4   | 120,811 | 3/4   | 110,194 | 3/4   | 99,577  |     |        |
| 4     |     | 4     |     | 4     |     | 4     |     | 4     | 152,344 | 4     | 141,823 | 4     | 131,207 | 4     | 120,590 | 4     | 109,973 | 4     | 99,356  |     |        |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 152,128 | 1/4   | 141,602 | 1/4   | 130,985 | 1/4   | 120,368 | 1/4   | 109,751 | 1/4   | 99,135  |     |        |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 151,912 | 1/2   | 141,381 | 1/2   | 130,764 | 1/2   | 120,147 | 1/2   | 109,530 | 1/2   | 98,913  |     |        |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 151,695 | 3/4   | 141,160 | 3/4   | 130,543 | 3/4   | 119,926 | 3/4   | 109,309 | 3/4   | 98,692  |     |        |
| 5     |     | 5     |     | 5     |     | 5     |     | 5     | 151,476 | 5     | 140,939 | 5     | 130,322 | 5     | 119,705 | 5     | 109,088 | 5     | 98,471  |     |        |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 151,257 | 1/4   | 140,718 | 1/4   | 130,101 | 1/4   | 119,484 | 1/4   | 108,867 | 1/4   | 98,250  |     |        |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 151,038 | 1/2   | 140,496 | 1/2   | 129,879 | 1/2   | 119,262 | 1/2   | 108,646 | 1/2   | 98,029  |     |        |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 150,819 | 3/4   | 140,275 | 3/4   | 129,658 | 3/4   | 119,041 | 3/4   | 108,424 | 3/4   | 97,807  |     |        |
| 6     |     | 6     |     | 6     |     | 6     |     | 6     | 150,600 | 6     | 140,054 | 6     | 129,437 | 6     | 118,820 | 6     | 108,203 | 6     | 97,586  |     |        |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 150,380 | 1/4   | 139,833 | 1/4   | 129,216 | 1/4   | 118,599 | 1/4   | 107,982 | 1/4   | 97,365  |     |        |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 150,161 | 1/2   | 139,612 | 1/2   | 128,995 | 1/2   | 118,378 | 1/2   | 107,761 | 1/2   | 97,144  |     |        |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 149,942 | 3/4   | 139,390 | 3/4   | 128,773 | 3/4   | 118,157 | 3/4   | 107,540 | 3/4   | 96,923  |     |        |
| 7     |     | 7     |     | 7     |     | 7     |     | 7     | 149,723 | 7     | 139,169 | 7     | 128,552 | 7     | 117,935 | 7     | 107,318 | 7     | 96,701  |     |        |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 149,504 | 1/4   | 138,948 | 1/4   | 128,331 | 1/4   | 117,714 | 1/4   | 107,097 | 1/4   | 96,480  |     |        |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 149,285 | 1/2   | 138,727 | 1/2   | 128,110 | 1/2   | 117,493 | 1/2   | 106,876 | 1/2   | 96,259  |     |        |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 149,066 | 3/4   | 138,506 | 3/4   | 127,889 | 3/4   | 117,272 | 3/4   | 106,655 | 3/4   | 96,038  |     |        |
| 8     |     | 8     |     | 8     |     | 8     |     | 8     | 148,846 | 8     | 138,284 | 8     | 127,668 | 8     | 117,051 | 8     | 106,434 | 8     | 95,817  |     |        |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 148,627 | 1/4   | 138,063 | 1/4   | 127,446 | 1/4   | 116,829 | 1/4   | 106,212 | 1/4   | 95,596  |     |        |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 148,408 | 1/2   | 137,842 | 1/2   | 127,225 | 1/2   | 116,608 | 1/2   | 105,991 | 1/2   | 95,374  |     |        |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 148,189 | 3/4   | 137,621 | 3/4   | 127,004 | 3/4   | 116,387 | 3/4   | 105,770 | 3/4   | 95,153  |     |        |
| 9     |     | 9     |     | 9     |     | 9     |     | 9     | 147,970 | 9     | 137,400 | 9     | 126,783 | 9     | 116,166 | 9     | 105,549 | 9     | 94,932  |     |        |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 147,751 | 1/4   | 137,179 | 1/4   | 126,562 | 1/4   | 115,945 | 1/4   | 105,328 | 1/4   | 94,711  |     |        |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 147,532 | 1/2   | 136,957 | 1/2   | 126,340 | 1/2   | 115,723 | 1/2   | 105,107 | 1/2   | 94,490  |     |        |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 147,312 | 3/4   | 136,736 | 3/4   | 126,119 | 3/4   | 115,502 | 3/4   | 104,885 | 3/4   | 94,268  |     |        |
| 10    |     | 10    |     | 10    |     | 10    |     | 10    | 147,093 | 10    | 136,515 | 10    | 125,898 | 10    | 115,281 | 10    | 104,664 | 10    | 94,047  |     |        |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 146,874 | 1/4   | 136,294 | 1/4   | 125,677 | 1/4   | 115,060 | 1/4   | 104,443 | 1/4   | 93,826  |     |        |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 146,655 | 1/2   | 136,073 | 1/2   | 125,456 | 1/2   | 114,839 | 1/2   | 104,222 | 1/2   | 93,605  |     |        |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 155,579 | 3/4   | 146,436 | 3/4   | 135,851 | 3/4   | 125,234 | 3/4   | 114,618 | 3/4   | 93,384  |     |        |
| 11    |     | 11    |     | 11    |     | 11    |     | 11    | 155,542 | 11    | 146,217 | 11    | 135,630 | 11    | 125,013 | 11    | 114,396 | 11    | 93,162  |     |        |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 155,506 | 1/4   | 145,997 | 1/4   | 135,409 | 1/4   | 124,792 | 1/4   | 114,175 | 1/4   | 103,558 | 1/4 | 92,941 |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 155,469 | 1/2   | 145,778 | 1/2   | 135,188 | 1/2   | 124,571 | 1/2   | 113,954 | 1/2   | 103,337 | 1/2 | 92,720 |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 155,432 | 3/4   | 145,559 | 3/4   | 134,967 | 3/4   | 124,350 | 3/4   | 113,733 | 3/4   | 103,116 | 3/4 | 92,499 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 25'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "DBL 94"

## 3 CENTER ULAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 18'-09 3/4"

| IN  | 10 FT. | IN  | 11 FT. | IN  | 12 FT. | IN  | 13 FT. | IN  | 14 FT. | IN  | 15 FT. | IN  | 16 FT. | IN  | 17 FT. | IN  | 18 FT. | IN  | 19 FT. |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0   | 92,278 | 0   | 81,661 | 0   | 71,039 | 0   | 60,417 | 0   | 49,795 | 0   | 39,173 | 0   | 28,551 | 0   | 17,933 | 0   | 7,329  | 0   |        |
| 1/4 | 92,057 | 1/4 | 81,439 | 1/4 | 70,817 | 1/4 | 60,195 | 1/4 | 49,573 | 1/4 | 38,951 | 1/4 | 28,329 | 1/4 | 17,712 | 1/4 | 7,108  | 1/4 |        |
| 1/2 | 91,835 | 1/2 | 81,218 | 1/2 | 70,596 | 1/2 | 59,974 | 1/2 | 49,352 | 1/2 | 38,730 | 1/2 | 28,108 | 1/2 | 17,492 | 1/2 | 6,887  | 1/2 |        |
| 3/4 | 91,614 | 3/4 | 80,997 | 3/4 | 70,375 | 3/4 | 59,753 | 3/4 | 49,131 | 3/4 | 38,509 | 3/4 | 27,887 | 3/4 | 17,271 | 3/4 | 6,666  | 3/4 |        |
| 1   | 91,393 | 1   | 80,776 | 1   | 70,153 | 1   | 59,531 | 1   | 48,909 | 1   | 38,287 | 1   | 27,665 | 1   | 17,050 | 1   | 6,444  | 1   |        |
| 1/4 | 91,172 | 1/4 | 80,554 | 1/4 | 69,932 | 1/4 | 59,310 | 1/4 | 48,688 | 1/4 | 38,066 | 1/4 | 27,444 | 1/4 | 16,830 | 1/4 | 6,223  | 1/4 |        |
| 1/2 | 90,951 | 1/2 | 80,333 | 1/2 | 69,711 | 1/2 | 59,089 | 1/2 | 48,467 | 1/2 | 37,845 | 1/2 | 27,223 | 1/2 | 16,609 | 1/2 | 6,002  | 1/2 |        |
| 3/4 | 90,729 | 3/4 | 80,112 | 3/4 | 69,490 | 3/4 | 58,868 | 3/4 | 48,246 | 3/4 | 37,624 | 3/4 | 27,001 | 3/4 | 16,388 | 3/4 | 5,780  | 3/4 |        |
| 2   | 90,508 | 2   | 79,890 | 2   | 69,268 | 2   | 58,646 | 2   | 48,024 | 2   | 37,402 | 2   | 26,780 | 2   | 16,168 | 2   | 5,559  | 2   |        |
| 1/4 | 90,287 | 1/4 | 79,669 | 1/4 | 69,047 | 1/4 | 58,425 | 1/4 | 47,803 | 1/4 | 37,181 | 1/4 | 26,559 | 1/4 | 15,947 | 1/4 | 5,338  | 1/4 |        |
| 1/2 | 90,066 | 1/2 | 79,448 | 1/2 | 68,826 | 1/2 | 58,204 | 1/2 | 47,582 | 1/2 | 36,960 | 1/2 | 26,338 | 1/2 | 15,726 | 1/2 | 5,117  | 1/2 |        |
| 3/4 | 89,845 | 3/4 | 79,226 | 3/4 | 68,604 | 3/4 | 57,982 | 3/4 | 47,360 | 3/4 | 36,738 | 3/4 | 26,116 | 3/4 | 15,506 | 3/4 | 4,895  | 3/4 |        |
| 3   | 89,624 | 3   | 79,005 | 3   | 68,383 | 3   | 57,761 | 3   | 47,139 | 3   | 36,517 | 3   | 25,895 | 3   | 15,285 | 3   | 4,674  | 3   |        |
| 1/4 | 89,402 | 1/4 | 78,784 | 1/4 | 68,162 | 1/4 | 57,540 | 1/4 | 46,918 | 1/4 | 36,296 | 1/4 | 25,674 | 1/4 | 15,064 | 1/4 | 4,453  | 1/4 |        |
| 1/2 | 89,181 | 1/2 | 78,563 | 1/2 | 67,941 | 1/2 | 57,319 | 1/2 | 46,697 | 1/2 | 36,074 | 1/2 | 25,452 | 1/2 | 14,844 | 1/2 | 4,231  | 1/2 |        |
| 3/4 | 88,960 | 3/4 | 78,341 | 3/4 | 67,719 | 3/4 | 57,097 | 3/4 | 46,475 | 3/4 | 35,853 | 3/4 | 25,231 | 3/4 | 14,623 | 3/4 | 4,010  | 3/4 |        |
| 4   | 88,739 | 4   | 78,120 | 4   | 67,498 | 4   | 56,876 | 4   | 46,254 | 4   | 35,632 | 4   | 25,010 | 4   | 14,402 | 4   | 3,789  | 4   |        |
| 1/4 | 88,518 | 1/4 | 77,899 | 1/4 | 67,277 | 1/4 | 56,655 | 1/4 | 46,033 | 1/4 | 35,411 | 1/4 | 24,789 | 1/4 | 14,182 | 1/4 | 3,568  | 1/4 |        |
| 1/2 | 88,296 | 1/2 | 77,677 | 1/2 | 67,055 | 1/2 | 56,433 | 1/2 | 45,811 | 1/2 | 35,189 | 1/2 | 24,567 | 1/2 | 13,961 | 1/2 | 3,346  | 1/2 |        |
| 3/4 | 88,075 | 3/4 | 77,456 | 3/4 | 66,834 | 3/4 | 56,212 | 3/4 | 45,590 | 3/4 | 34,968 | 3/4 | 24,346 | 3/4 | 13,740 | 3/4 | 3,125  | 3/4 |        |
| 5   | 87,854 | 5   | 77,235 | 5   | 66,613 | 5   | 55,991 | 5   | 45,369 | 5   | 34,747 | 5   | 24,125 | 5   | 13,520 | 5   | 2,904  | 5   |        |
| 1/4 | 87,633 | 1/4 | 77,014 | 1/4 | 66,392 | 1/4 | 55,769 | 1/4 | 45,147 | 1/4 | 34,525 | 1/4 | 23,903 | 1/4 | 13,299 | 1/4 | 2,682  | 1/4 |        |
| 1/2 | 87,412 | 1/2 | 76,792 | 1/2 | 66,170 | 1/2 | 55,548 | 1/2 | 44,926 | 1/2 | 34,304 | 1/2 | 23,682 | 1/2 | 13,078 | 1/2 | 2,461  | 1/2 |        |
| 3/4 | 87,190 | 3/4 | 76,571 | 3/4 | 65,949 | 3/4 | 55,327 | 3/4 | 44,705 | 3/4 | 34,083 | 3/4 | 23,461 | 3/4 | 12,858 | 3/4 | 2,240  | 3/4 |        |
| 6   | 86,969 | 6   | 76,350 | 6   | 65,728 | 6   | 55,106 | 6   | 44,484 | 6   | 33,862 | 6   | 23,240 | 6   | 12,637 | 6   | 2,019  | 6   |        |
| 1/4 | 86,748 | 1/4 | 76,128 | 1/4 | 65,506 | 1/4 | 54,884 | 1/4 | 44,262 | 1/4 | 33,640 | 1/4 | 23,018 | 1/4 | 12,416 | 1/4 | 1,797  | 1/4 |        |
| 1/2 | 86,527 | 1/2 | 75,907 | 1/2 | 65,285 | 1/2 | 54,663 | 1/2 | 44,041 | 1/2 | 33,419 | 1/2 | 22,797 | 1/2 | 12,195 | 1/2 | 1,576  | 1/2 |        |
| 3/4 | 86,306 | 3/4 | 75,686 | 3/4 | 65,064 | 3/4 | 54,442 | 3/4 | 43,820 | 3/4 | 33,198 | 3/4 | 22,576 | 3/4 | 11,975 | 3/4 | 1,355  | 3/4 |        |
| 7   | 86,085 | 7   | 75,465 | 7   | 64,842 | 7   | 54,220 | 7   | 43,598 | 7   | 32,976 | 7   | 22,354 | 7   | 11,754 | 7   | 1,170  | 7   |        |
| 1/4 | 85,863 | 1/4 | 75,243 | 1/4 | 64,621 | 1/4 | 53,999 | 1/4 | 43,377 | 1/4 | 32,755 | 1/4 | 22,133 | 1/4 | 11,533 | 1/4 | 986    | 1/4 |        |
| 1/2 | 85,642 | 1/2 | 75,022 | 1/2 | 64,400 | 1/2 | 53,778 | 1/2 | 43,156 | 1/2 | 32,534 | 1/2 | 21,912 | 1/2 | 11,312 | 1/2 | 802    | 1/2 |        |
| 3/4 | 85,421 | 3/4 | 74,801 | 3/4 | 64,179 | 3/4 | 53,557 | 3/4 | 42,935 | 3/4 | 32,312 | 3/4 | 21,690 | 3/4 | 11,091 | 3/4 | 617    | 3/4 |        |
| 8   | 85,200 | 8   | 74,579 | 8   | 63,957 | 8   | 53,335 | 8   | 42,713 | 8   | 32,091 | 8   | 21,469 | 8   | 10,870 | 8   | 507    | 8   |        |
| 1/4 | 84,979 | 1/4 | 74,358 | 1/4 | 63,736 | 1/4 | 53,114 | 1/4 | 42,492 | 1/4 | 31,870 | 1/4 | 21,248 | 1/4 | 10,649 | 1/4 | 396    | 1/4 |        |
| 1/2 | 84,757 | 1/2 | 74,137 | 1/2 | 63,515 | 1/2 | 52,893 | 1/2 | 42,271 | 1/2 | 31,649 | 1/2 | 21,027 | 1/2 | 10,427 | 1/2 | 285    | 1/2 |        |
| 3/4 | 84,536 | 3/4 | 73,915 | 3/4 | 63,293 | 3/4 | 52,671 | 3/4 | 42,049 | 3/4 | 31,427 | 3/4 | 20,805 | 3/4 | 10,206 | 3/4 | 175    | 3/4 |        |
| 9   | 84,315 | 9   | 73,694 | 9   | 63,072 | 9   | 52,450 | 9   | 41,828 | 9   | 31,206 | 9   | 20,584 | 9   | 9,985  | 9   | 138    | 9   |        |
| 1/4 | 84,094 | 1/4 | 73,473 | 1/4 | 62,851 | 1/4 | 52,229 | 1/4 | 41,607 | 1/4 | 30,985 | 1/4 | 20,363 | 1/4 | 9,763  | 1/4 | 101    | 1/4 |        |
| 1/2 | 83,873 | 1/2 | 73,252 | 1/2 | 62,630 | 1/2 | 52,008 | 1/2 | 41,385 | 1/2 | 30,763 | 1/2 | 20,141 | 1/2 | 9,542  | 1/2 | 64     | 1/2 |        |
| 3/4 | 83,651 | 3/4 | 73,030 | 3/4 | 62,408 | 3/4 | 51,786 | 3/4 | 41,164 | 3/4 | 30,542 | 3/4 | 19,920 | 3/4 | 9,321  | 3/4 | 27     | 3/4 |        |
| 10  | 83,430 | 10  | 72,809 | 10  | 62,187 | 10  | 51,565 | 10  | 40,943 | 10  | 30,321 | 10  | 19,699 | 10  | 9,100  | 10  |        | 10  |        |
| 1/4 | 83,209 | 1/4 | 72,588 | 1/4 | 61,966 | 1/4 | 51,344 | 1/4 | 40,722 | 1/4 | 30,100 | 1/4 | 19,478 | 1/4 | 8,878  | 1/4 |        | 1/4 |        |
| 1/2 | 82,988 | 1/2 | 72,366 | 1/2 | 61,744 | 1/2 | 51,122 | 1/2 | 40,500 | 1/2 | 29,878 | 1/2 | 19,257 | 1/2 | 8,657  | 1/2 |        | 1/2 |        |
| 3/4 | 82,767 | 3/4 | 72,145 | 3/4 | 61,523 | 3/4 | 50,901 | 3/4 | 40,279 | 3/4 | 29,657 | 3/4 | 19,036 | 3/4 | 8,436  | 3/4 |        | 3/4 |        |
| 11  | 82,546 | 11  | 71,924 | 11  | 61,302 | 11  | 50,680 | 11  | 40,058 | 11  | 29,436 | 11  | 18,816 | 11  | 8,215  | 11  |        | 11  |        |
| 1/4 | 82,324 | 1/4 | 71,703 | 1/4 | 61,081 | 1/4 | 50,458 | 1/4 | 39,836 | 1/4 | 29,214 | 1/4 | 18,595 | 1/4 | 7,993  | 1/4 |        | 1/4 |        |
| 1/2 | 82,103 | 1/2 | 71,481 | 1/2 | 60,859 | 1/2 | 50,237 | 1/2 | 39,615 | 1/2 | 28,993 | 1/2 | 18,374 | 1/2 | 7,772  | 1/2 |        | 1/2 |        |
| 3/4 | 81,882 | 3/4 | 71,260 | 3/4 | 60,638 | 3/4 | 50,016 | 3/4 | 39,394 | 3/4 | 28,772 | 3/4 | 18,154 | 3/4 | 7,551  | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/17/2012 CL - SW  
CALCULATED: 10/17/2012 CL  
PRINTED: 10/17/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2012

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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