



BARGE "DBL 98"

INNAGE 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 | 00-0/8 | - 00-0/8 | 00-1/8 | - 00-1/8 | 00-1/4 | - 00-1/4 | 00-1/4 | - 00-1/4 | 00-1/4 | - 00-1/4 | 00-3/8 | - 00-3/8 |
| 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 - 00-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED INNAGE IS 3'-11 7/8'

LENGTH BETWEEN DRAFT MARKS: 159'-00"

October 18, 2013

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

<http://www.pmacorp.net>



BARGE "DBL 98"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-00"

| 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 | 27 | 0 | 9,682 | 0 | 20,209 | 0 | 30,974 | 0 | 41,739 | 0 | 52,397 | 0 | 63,167 | 0 | 73,936 | 0 | 84,705 | 0 | 95,470 |
| 1/4 | 72 | 1/4 | 9,907 | 1/4 | 20,433 | 1/4 | 31,198 | 1/4 | 41,960 | 1/4 | 52,622 | 1/4 | 63,391 | 1/4 | 74,161 | 1/4 | 84,929 | 1/4 | 95,694 |
| 1/2 | 117 | 1/2 | 10,131 | 1/2 | 20,658 | 1/2 | 31,422 | 1/2 | 42,181 | 1/2 | 52,846 | 1/2 | 63,616 | 1/2 | 74,385 | 1/2 | 85,154 | 1/2 | 95,919 |
| 3/4 | 162 | 3/4 | 10,355 | 3/4 | 20,882 | 3/4 | 31,647 | 3/4 | 42,402 | 3/4 | 53,070 | 3/4 | 63,840 | 3/4 | 74,609 | 3/4 | 85,378 | 3/4 | 96,143 |
| 1 | 207 | 1 | 10,579 | 1 | 21,106 | 1 | 31,871 | 1 | 42,624 | 1 | 53,295 | 1 | 64,064 | 1 | 74,834 | 1 | 85,602 | 1 | 96,367 |
| 1/4 | 342 | 1/4 | 10,798 | 1/4 | 21,330 | 1/4 | 32,095 | 1/4 | 42,845 | 1/4 | 53,519 | 1/4 | 64,289 | 1/4 | 75,058 | 1/4 | 85,826 | 1/4 | 96,591 |
| 1/2 | 477 | 1/2 | 11,016 | 1/2 | 21,555 | 1/2 | 32,319 | 1/2 | 43,066 | 1/2 | 53,744 | 1/2 | 64,513 | 1/2 | 75,282 | 1/2 | 86,051 | 1/2 | 96,816 |
| 3/4 | 612 | 3/4 | 11,235 | 3/4 | 21,779 | 3/4 | 32,544 | 3/4 | 43,288 | 3/4 | 53,968 | 3/4 | 64,737 | 3/4 | 75,507 | 3/4 | 86,275 | 3/4 | 97,040 |
| 2 | 747 | 2 | 11,453 | 2 | 22,003 | 2 | 32,768 | 2 | 43,509 | 2 | 54,192 | 2 | 64,962 | 2 | 75,731 | 2 | 86,499 | 2 | 97,264 |
| 1/4 | 960 | 1/4 | 11,671 | 1/4 | 22,227 | 1/4 | 32,992 | 1/4 | 43,730 | 1/4 | 54,417 | 1/4 | 65,186 | 1/4 | 75,956 | 1/4 | 86,723 | 1/4 | 97,489 |
| 1/2 | 1,174 | 1/2 | 11,890 | 1/2 | 22,452 | 1/2 | 33,216 | 1/2 | 43,952 | 1/2 | 54,641 | 1/2 | 65,410 | 1/2 | 76,180 | 1/2 | 86,948 | 1/2 | 97,713 |
| 3/4 | 1,388 | 3/4 | 12,108 | 3/4 | 22,676 | 3/4 | 33,441 | 3/4 | 44,173 | 3/4 | 54,865 | 3/4 | 65,635 | 3/4 | 76,404 | 3/4 | 87,172 | 3/4 | 97,937 |
| 3 | 1,601 | 3 | 12,327 | 3 | 22,900 | 3 | 33,665 | 3 | 44,394 | 3 | 55,090 | 3 | 65,859 | 3 | 76,629 | 3 | 87,396 | 3 | 98,161 |
| 1/4 | 1,826 | 1/4 | 12,545 | 1/4 | 23,125 | 1/4 | 33,889 | 1/4 | 44,615 | 1/4 | 55,314 | 1/4 | 66,084 | 1/4 | 76,853 | 1/4 | 87,621 | 1/4 | 98,386 |
| 1/2 | 2,051 | 1/2 | 12,763 | 1/2 | 23,349 | 1/2 | 34,113 | 1/2 | 44,837 | 1/2 | 55,538 | 1/2 | 66,308 | 1/2 | 77,077 | 1/2 | 87,845 | 1/2 | 98,610 |
| 3/4 | 2,276 | 3/4 | 12,981 | 3/4 | 23,573 | 3/4 | 34,338 | 3/4 | 45,058 | 3/4 | 55,763 | 3/4 | 66,532 | 3/4 | 77,302 | 3/4 | 88,069 | 3/4 | 98,834 |
| 4 | 2,501 | 4 | 13,199 | 4 | 23,797 | 4 | 34,562 | 4 | 45,279 | 4 | 55,987 | 4 | 66,757 | 4 | 77,526 | 4 | 88,293 | 4 | 99,058 |
| 1/4 | 2,726 | 1/4 | 13,418 | 1/4 | 24,022 | 1/4 | 34,786 | 1/4 | 45,501 | 1/4 | 56,212 | 1/4 | 66,981 | 1/4 | 77,750 | 1/4 | 88,518 | 1/4 | 99,283 |
| 1/2 | 2,951 | 1/2 | 13,636 | 1/2 | 24,246 | 1/2 | 35,011 | 1/2 | 45,722 | 1/2 | 56,436 | 1/2 | 67,205 | 1/2 | 77,975 | 1/2 | 88,742 | 1/2 | 99,507 |
| 3/4 | 3,176 | 3/4 | 13,854 | 3/4 | 24,470 | 3/4 | 35,235 | 3/4 | 45,943 | 3/4 | 56,660 | 3/4 | 67,430 | 3/4 | 78,199 | 3/4 | 88,966 | 3/4 | 99,731 |
| 5 | 3,401 | 5 | 14,073 | 5 | 24,694 | 5 | 35,459 | 5 | 46,165 | 5 | 56,885 | 5 | 67,654 | 5 | 78,424 | 5 | 89,190 | 5 | 99,956 |
| 1/4 | 3,625 | 1/4 | 14,291 | 1/4 | 24,919 | 1/4 | 35,683 | 1/4 | 46,386 | 1/4 | 57,109 | 1/4 | 67,878 | 1/4 | 78,648 | 1/4 | 89,415 | 1/4 | 100,180 |
| 1/2 | 3,850 | 1/2 | 14,509 | 1/2 | 25,143 | 1/2 | 35,908 | 1/2 | 46,607 | 1/2 | 57,333 | 1/2 | 68,103 | 1/2 | 78,872 | 1/2 | 89,639 | 1/2 | 100,404 |
| 3/4 | 4,074 | 3/4 | 14,727 | 3/4 | 25,367 | 3/4 | 36,132 | 3/4 | 46,828 | 3/4 | 57,558 | 3/4 | 68,327 | 3/4 | 79,097 | 3/4 | 89,863 | 3/4 | 100,628 |
| 6 | 4,298 | 6 | 14,946 | 6 | 25,591 | 6 | 36,356 | 6 | 47,050 | 6 | 57,782 | 6 | 68,552 | 6 | 79,321 | 6 | 90,088 | 6 | 100,853 |
| 1/4 | 4,523 | 1/4 | 15,164 | 1/4 | 25,816 | 1/4 | 36,580 | 1/4 | 47,271 | 1/4 | 58,006 | 1/4 | 68,776 | 1/4 | 79,545 | 1/4 | 90,312 | 1/4 | 101,077 |
| 1/2 | 4,747 | 1/2 | 15,382 | 1/2 | 26,040 | 1/2 | 36,805 | 1/2 | 47,492 | 1/2 | 58,231 | 1/2 | 69,000 | 1/2 | 79,770 | 1/2 | 90,536 | 1/2 | 101,301 |
| 3/4 | 4,972 | 3/4 | 15,601 | 3/4 | 26,264 | 3/4 | 37,029 | 3/4 | 47,714 | 3/4 | 58,455 | 3/4 | 69,225 | 3/4 | 79,994 | 3/4 | 90,760 | 3/4 | 101,525 |
| 7 | 5,196 | 7 | 15,819 | 7 | 26,488 | 7 | 37,253 | 7 | 47,935 | 7 | 58,680 | 7 | 69,449 | 7 | 80,218 | 7 | 90,985 | 7 | 101,750 |
| 1/4 | 5,421 | 1/4 | 16,037 | 1/4 | 26,713 | 1/4 | 37,477 | 1/4 | 48,156 | 1/4 | 58,904 | 1/4 | 69,673 | 1/4 | 80,443 | 1/4 | 91,209 | 1/4 | 101,974 |
| 1/2 | 5,645 | 1/2 | 16,256 | 1/2 | 26,937 | 1/2 | 37,702 | 1/2 | 48,378 | 1/2 | 59,128 | 1/2 | 69,898 | 1/2 | 80,667 | 1/2 | 91,433 | 1/2 | 102,198 |
| 3/4 | 5,869 | 3/4 | 16,474 | 3/4 | 27,161 | 3/4 | 37,926 | 3/4 | 48,599 | 3/4 | 59,353 | 3/4 | 70,122 | 3/4 | 80,892 | 3/4 | 91,657 | 3/4 | 102,422 |
| 8 | 6,094 | 8 | 16,692 | 8 | 27,386 | 8 | 38,150 | 8 | 48,820 | 8 | 59,577 | 8 | 70,346 | 8 | 81,116 | 8 | 91,882 | 8 | 102,647 |
| 1/4 | 6,318 | 1/4 | 16,911 | 1/4 | 27,610 | 1/4 | 38,375 | 1/4 | 49,043 | 1/4 | 59,801 | 1/4 | 70,571 | 1/4 | 81,340 | 1/4 | 92,106 | 1/4 | 102,871 |
| 1/2 | 6,542 | 1/2 | 17,129 | 1/2 | 27,834 | 1/2 | 38,599 | 1/2 | 49,266 | 1/2 | 60,026 | 1/2 | 70,795 | 1/2 | 81,565 | 1/2 | 92,330 | 1/2 | 103,095 |
| 3/4 | 6,767 | 3/4 | 17,347 | 3/4 | 28,058 | 3/4 | 38,823 | 3/4 | 49,488 | 3/4 | 60,250 | 3/4 | 71,020 | 3/4 | 81,789 | 3/4 | 92,555 | 3/4 | 103,320 |
| 9 | 6,991 | 9 | 17,566 | 9 | 28,283 | 9 | 39,047 | 9 | 49,711 | 9 | 60,474 | 9 | 71,244 | 9 | 82,013 | 9 | 92,779 | 9 | 103,544 |
| 1/4 | 7,215 | 1/4 | 17,784 | 1/4 | 28,507 | 1/4 | 39,272 | 1/4 | 49,934 | 1/4 | 60,699 | 1/4 | 71,468 | 1/4 | 82,238 | 1/4 | 93,003 | 1/4 | 103,768 |
| 1/2 | 7,440 | 1/2 | 18,002 | 1/2 | 28,731 | 1/2 | 39,496 | 1/2 | 50,157 | 1/2 | 60,923 | 1/2 | 71,693 | 1/2 | 82,462 | 1/2 | 93,227 | 1/2 | 103,992 |
| 3/4 | 7,664 | 3/4 | 18,220 | 3/4 | 28,955 | 3/4 | 39,720 | 3/4 | 50,380 | 3/4 | 61,148 | 3/4 | 71,917 | 3/4 | 82,686 | 3/4 | 93,452 | 3/4 | 104,217 |
| 10 | 7,888 | 10 | 18,439 | 10 | 29,180 | 10 | 39,944 | 10 | 50,602 | 10 | 61,372 | 10 | 72,141 | 10 | 82,911 | 10 | 93,676 | 10 | 104,441 |
| 1/4 | 8,112 | 1/4 | 18,657 | 1/4 | 29,404 | 1/4 | 40,169 | 1/4 | 50,827 | 1/4 | 61,596 | 1/4 | 72,366 | 1/4 | 83,135 | 1/4 | 93,900 | 1/4 | 104,665 |
| 1/2 | 8,337 | 1/2 | 18,875 | 1/2 | 29,628 | 1/2 | 40,393 | 1/2 | 51,051 | 1/2 | 61,821 | 1/2 | 72,590 | 1/2 | 83,359 | 1/2 | 94,124 | 1/2 | 104,889 |
| 3/4 | 8,561 | 3/4 | 19,094 | 3/4 | 29,852 | 3/4 | 40,617 | 3/4 | 51,276 | 3/4 | 62,045 | 3/4 | 72,814 | 3/4 | 83,584 | 3/4 | 94,349 | 3/4 | 105,114 |
| 11 | 8,785 | 11 | 19,312 | 11 | 30,077 | 11 | 40,841 | 11 | 51,500 | 11 | 62,269 | 11 | 73,039 | 11 | 83,808 | 11 | 94,573 | 11 | 105,338 |
| 1/4 | 9,010 | 1/4 | 19,536 | 1/4 | 30,301 | 1/4 | 41,066 | 1/4 | 51,724 | 1/4 | 62,494 | 1/4 | 73,263 | 1/4 | 84,032 | 1/4 | 94,797 | 1/4 | 105,562 |
| 1/2 | 9,234 | 1/2 | 19,761 | 1/2 | 30,525 | 1/2 | 41,290 | 1/2 | 51,949 | 1/2 | 62,718 | 1/2 | 73,488 | 1/2 | 84,256 | 1/2 | 95,022 | 1/2 | 105,787 |
| 3/4 | 9,458 | 3/4 | 19,985 | 3/4 | 30,750 | 3/4 | 41,514 | 3/4 | 52,173 | 3/4 | 62,942 | 3/4 | 73,712 | 3/4 | 84,481 | 3/4 | 95,246 | 3/4 | 106,011 |

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 INNAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 26'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "DBL 98"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-00"

| 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 | 106,235 | 0 | 115,968 | 0 | 125,350 | 0 | 134,733 | 0 | 144,080 | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 106,459 | 1/4 | 116,163 | 1/4 | 125,546 | 1/4 | 134,928 | 1/4 | 144,274 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 106,684 | 1/2 | 116,359 | 1/2 | 125,741 | 1/2 | 135,124 | 1/2 | 144,468 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 106,908 | 3/4 | 116,554 | 3/4 | 125,937 | 3/4 | 135,319 | 3/4 | 144,661 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 107,132 | 1 | 116,750 | 1 | 126,132 | 1 | 135,514 | 1 | 144,855 | 1 | | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 107,357 | 1/4 | 116,945 | 1/4 | 126,327 | 1/4 | 135,710 | 1/4 | 145,049 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 107,582 | 1/2 | 117,141 | 1/2 | 126,523 | 1/2 | 135,905 | 1/2 | 145,242 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 107,807 | 3/4 | 117,336 | 3/4 | 126,718 | 3/4 | 136,101 | 3/4 | 145,436 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 108,032 | 2 | 117,531 | 2 | 126,914 | 2 | 136,296 | 2 | 145,630 | 2 | | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 108,256 | 1/4 | 117,727 | 1/4 | 127,109 | 1/4 | 136,492 | 1/4 | 145,824 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 108,481 | 1/2 | 117,922 | 1/2 | 127,305 | 1/2 | 136,687 | 1/2 | 146,017 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 108,706 | 3/4 | 118,118 | 3/4 | 127,500 | 3/4 | 136,883 | 3/4 | 146,211 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 108,931 | 3 | 118,313 | 3 | 127,696 | 3 | 137,078 | 3 | 146,405 | 3 | | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 109,126 | 1/4 | 118,509 | 1/4 | 127,891 | 1/4 | 137,274 | 1/4 | 146,599 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 109,322 | 1/2 | 118,704 | 1/2 | 128,087 | 1/2 | 137,469 | 1/2 | 146,792 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 109,517 | 3/4 | 118,900 | 3/4 | 128,282 | 3/4 | 137,665 | 3/4 | 146,986 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 109,713 | 4 | 119,095 | 4 | 128,478 | 4 | 137,860 | 4 | 147,180 | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 109,908 | 1/4 | 119,291 | 1/4 | 128,673 | 1/4 | 138,056 | 1/4 | 147,373 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 110,104 | 1/2 | 119,486 | 1/2 | 128,869 | 1/2 | 138,251 | 1/2 | 147,567 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 110,299 | 3/4 | 119,682 | 3/4 | 129,064 | 3/4 | 138,446 | 3/4 | 147,761 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 110,495 | 5 | 119,877 | 5 | 129,260 | 5 | 138,642 | 5 | 147,955 | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 110,690 | 1/4 | 120,073 | 1/4 | 129,455 | 1/4 | 138,837 | 1/4 | 148,145 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 110,886 | 1/2 | 120,268 | 1/2 | 129,650 | 1/2 | 139,033 | 1/2 | 148,336 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 111,081 | 3/4 | 120,463 | 3/4 | 129,846 | 3/4 | 139,228 | 3/4 | 148,527 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 111,276 | 6 | 120,659 | 6 | 130,041 | 6 | 139,424 | 6 | 148,718 | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 111,472 | 1/4 | 120,854 | 1/4 | 130,237 | 1/4 | 139,619 | 1/4 | 148,909 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 111,667 | 1/2 | 121,050 | 1/2 | 130,432 | 1/2 | 139,815 | 1/2 | 149,100 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 111,863 | 3/4 | 121,245 | 3/4 | 130,628 | 3/4 | 140,010 | 3/4 | 149,290 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 112,058 | 7 | 121,441 | 7 | 130,823 | 7 | 140,206 | 7 | 149,481 | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 112,254 | 1/4 | 121,636 | 1/4 | 131,019 | 1/4 | 140,399 | 1/4 | 149,672 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 112,449 | 1/2 | 121,832 | 1/2 | 131,214 | 1/2 | 140,593 | 1/2 | 149,863 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 112,645 | 3/4 | 122,027 | 3/4 | 131,410 | 3/4 | 140,787 | 3/4 | 150,054 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 112,840 | 8 | 122,223 | 8 | 131,605 | 8 | 140,981 | 8 | 150,245 | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 113,036 | 1/4 | 122,418 | 1/4 | 131,801 | 1/4 | 141,174 | 1/4 | 150,391 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 113,231 | 1/2 | 122,614 | 1/2 | 131,996 | 1/2 | 141,368 | 1/2 | 150,536 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 113,427 | 3/4 | 122,809 | 3/4 | 132,192 | 3/4 | 141,562 | 3/4 | 150,682 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 113,622 | 9 | 123,005 | 9 | 132,387 | 9 | 141,755 | 9 | 150,828 | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 113,818 | 1/4 | 123,200 | 1/4 | 132,582 | 1/4 | 141,949 | 1/4 | 150,884 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 114,013 | 1/2 | 123,395 | 1/2 | 132,778 | 1/2 | 142,143 | 1/2 | 150,940 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 114,208 | 3/4 | 123,591 | 3/4 | 132,973 | 3/4 | 142,337 | 3/4 | 150,996 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 114,404 | 10 | 123,786 | 10 | 133,169 | 10 | 142,530 | 10 | 151,052 | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 114,599 | 1/4 | 123,982 | 1/4 | 133,364 | 1/4 | 142,724 | 1/4 | 151,074 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 114,795 | 1/2 | 124,177 | 1/2 | 133,560 | 1/2 | 142,918 | 1/2 | 151,097 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 114,990 | 3/4 | 124,373 | 3/4 | 133,755 | 3/4 | 143,112 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 115,186 | 11 | 124,568 | 11 | 133,951 | 11 | 143,305 | 11 | | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 115,381 | 1/4 | 124,764 | 1/4 | 134,146 | 1/4 | 143,499 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 115,577 | 1/2 | 124,959 | 1/2 | 134,342 | 1/2 | 143,693 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 115,772 | 3/4 | 125,155 | 3/4 | 134,537 | 3/4 | 143,886 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/18/2013 SW
CALCULATED: 10/18/2013 CL
PRINTED: 10/19/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2013

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



BARGE "DBL 98"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-00 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 | 27 | 0 | 10,813 | 0 | 22,531 | 0 | 34,574 | 0 | 46,617 | 0 | 58,660 | 0 | 70,703 | 0 | 82,746 | 0 | 94,789 | 0 | 106,826 |
| 1/4 | 77 | 1/4 | 11,064 | 1/4 | 22,782 | 1/4 | 34,825 | 1/4 | 46,868 | 1/4 | 58,911 | 1/4 | 70,954 | 1/4 | 82,997 | 1/4 | 95,039 | 1/4 | 107,077 |
| 1/2 | 128 | 1/2 | 11,314 | 1/2 | 23,033 | 1/2 | 35,076 | 1/2 | 47,119 | 1/2 | 59,162 | 1/2 | 71,205 | 1/2 | 83,248 | 1/2 | 95,290 | 1/2 | 107,327 |
| 3/4 | 178 | 3/4 | 11,565 | 3/4 | 23,284 | 3/4 | 35,327 | 3/4 | 47,370 | 3/4 | 59,413 | 3/4 | 71,456 | 3/4 | 83,499 | 3/4 | 95,541 | 3/4 | 107,578 |
| 1 | 228 | 1 | 11,816 | 1 | 23,535 | 1 | 35,578 | 1 | 47,621 | 1 | 59,664 | 1 | 71,707 | 1 | 83,750 | 1 | 95,792 | 1 | 107,829 |
| 1/4 | 378 | 1/4 | 12,059 | 1/4 | 23,785 | 1/4 | 35,829 | 1/4 | 47,872 | 1/4 | 59,915 | 1/4 | 71,958 | 1/4 | 84,001 | 1/4 | 96,042 | 1/4 | 108,080 |
| 1/2 | 529 | 1/2 | 12,302 | 1/2 | 24,036 | 1/2 | 36,079 | 1/2 | 48,123 | 1/2 | 60,166 | 1/2 | 72,209 | 1/2 | 84,252 | 1/2 | 96,293 | 1/2 | 108,331 |
| 3/4 | 679 | 3/4 | 12,546 | 3/4 | 24,287 | 3/4 | 36,330 | 3/4 | 48,373 | 3/4 | 60,417 | 3/4 | 72,460 | 3/4 | 84,503 | 3/4 | 96,544 | 3/4 | 108,581 |
| 2 | 830 | 2 | 12,789 | 2 | 24,538 | 2 | 36,581 | 2 | 48,624 | 2 | 60,667 | 2 | 72,711 | 2 | 84,754 | 2 | 96,795 | 2 | 108,832 |
| 1/4 | 1,068 | 1/4 | 13,032 | 1/4 | 24,789 | 1/4 | 36,832 | 1/4 | 48,875 | 1/4 | 60,918 | 1/4 | 72,961 | 1/4 | 85,005 | 1/4 | 97,046 | 1/4 | 109,083 |
| 1/2 | 1,307 | 1/2 | 13,275 | 1/2 | 25,040 | 1/2 | 37,083 | 1/2 | 49,126 | 1/2 | 61,169 | 1/2 | 73,212 | 1/2 | 85,255 | 1/2 | 97,296 | 1/2 | 109,334 |
| 3/4 | 1,545 | 3/4 | 13,518 | 3/4 | 25,291 | 3/4 | 37,334 | 3/4 | 49,377 | 3/4 | 61,420 | 3/4 | 73,463 | 3/4 | 85,506 | 3/4 | 97,547 | 3/4 | 109,584 |
| 3 | 1,783 | 3 | 13,762 | 3 | 25,542 | 3 | 37,585 | 3 | 49,628 | 3 | 61,671 | 3 | 73,714 | 3 | 85,757 | 3 | 97,798 | 3 | 109,835 |
| 1/4 | 2,034 | 1/4 | 14,004 | 1/4 | 25,793 | 1/4 | 37,836 | 1/4 | 49,879 | 1/4 | 61,922 | 1/4 | 73,965 | 1/4 | 86,008 | 1/4 | 98,049 | 1/4 | 110,086 |
| 1/2 | 2,285 | 1/2 | 14,247 | 1/2 | 26,044 | 1/2 | 38,087 | 1/2 | 50,130 | 1/2 | 62,173 | 1/2 | 74,216 | 1/2 | 86,259 | 1/2 | 98,299 | 1/2 | 110,337 |
| 3/4 | 2,536 | 3/4 | 14,489 | 3/4 | 26,294 | 3/4 | 38,338 | 3/4 | 50,381 | 3/4 | 62,424 | 3/4 | 74,467 | 3/4 | 86,510 | 3/4 | 98,550 | 3/4 | 110,588 |
| 4 | 2,787 | 4 | 14,732 | 4 | 26,545 | 4 | 38,588 | 4 | 50,632 | 4 | 62,675 | 4 | 74,718 | 4 | 86,761 | 4 | 98,801 | 4 | 110,838 |
| 1/4 | 3,038 | 1/4 | 14,975 | 1/4 | 26,796 | 1/4 | 38,839 | 1/4 | 50,882 | 1/4 | 62,926 | 1/4 | 74,969 | 1/4 | 87,012 | 1/4 | 99,052 | 1/4 | 111,089 |
| 1/2 | 3,289 | 1/2 | 15,217 | 1/2 | 27,047 | 1/2 | 39,090 | 1/2 | 51,133 | 1/2 | 63,176 | 1/2 | 75,220 | 1/2 | 87,263 | 1/2 | 99,303 | 1/2 | 111,340 |
| 3/4 | 3,539 | 3/4 | 15,460 | 3/4 | 27,298 | 3/4 | 39,341 | 3/4 | 51,384 | 3/4 | 63,427 | 3/4 | 75,470 | 3/4 | 87,514 | 3/4 | 99,553 | 3/4 | 111,591 |
| 5 | 3,790 | 5 | 15,703 | 5 | 27,549 | 5 | 39,592 | 5 | 51,635 | 5 | 63,678 | 5 | 75,721 | 5 | 87,764 | 5 | 99,804 | 5 | 111,841 |
| 1/4 | 4,041 | 1/4 | 15,945 | 1/4 | 27,800 | 1/4 | 39,843 | 1/4 | 51,886 | 1/4 | 63,929 | 1/4 | 75,972 | 1/4 | 88,015 | 1/4 | 100,055 | 1/4 | 112,092 |
| 1/2 | 4,292 | 1/2 | 16,188 | 1/2 | 28,051 | 1/2 | 40,094 | 1/2 | 52,137 | 1/2 | 64,180 | 1/2 | 76,223 | 1/2 | 88,266 | 1/2 | 100,306 | 1/2 | 112,343 |
| 3/4 | 4,543 | 3/4 | 16,431 | 3/4 | 28,302 | 3/4 | 40,345 | 3/4 | 52,388 | 3/4 | 64,431 | 3/4 | 76,474 | 3/4 | 88,517 | 3/4 | 100,556 | 3/4 | 112,594 |
| 6 | 4,794 | 6 | 16,673 | 6 | 28,552 | 6 | 40,596 | 6 | 52,639 | 6 | 64,682 | 6 | 76,725 | 6 | 88,768 | 6 | 100,807 | 6 | 112,845 |
| 1/4 | 5,045 | 1/4 | 16,916 | 1/4 | 28,803 | 1/4 | 40,846 | 1/4 | 52,890 | 1/4 | 64,933 | 1/4 | 76,976 | 1/4 | 89,019 | 1/4 | 101,058 | 1/4 | 113,095 |
| 1/2 | 5,296 | 1/2 | 17,159 | 1/2 | 29,054 | 1/2 | 41,097 | 1/2 | 53,140 | 1/2 | 65,184 | 1/2 | 77,227 | 1/2 | 89,270 | 1/2 | 101,309 | 1/2 | 113,346 |
| 3/4 | 5,547 | 3/4 | 17,402 | 3/4 | 29,305 | 3/4 | 41,348 | 3/4 | 53,391 | 3/4 | 65,434 | 3/4 | 77,478 | 3/4 | 89,521 | 3/4 | 101,560 | 3/4 | 113,597 |
| 7 | 5,797 | 7 | 17,644 | 7 | 29,556 | 7 | 41,599 | 7 | 53,642 | 7 | 65,685 | 7 | 77,728 | 7 | 89,772 | 7 | 101,810 | 7 | 113,848 |
| 1/4 | 6,048 | 1/4 | 17,887 | 1/4 | 29,807 | 1/4 | 41,850 | 1/4 | 53,893 | 1/4 | 65,936 | 1/4 | 77,979 | 1/4 | 90,022 | 1/4 | 102,061 | 1/4 | 114,098 |
| 1/2 | 6,299 | 1/2 | 18,130 | 1/2 | 30,058 | 1/2 | 42,101 | 1/2 | 54,144 | 1/2 | 66,187 | 1/2 | 78,230 | 1/2 | 90,273 | 1/2 | 102,312 | 1/2 | 114,349 |
| 3/4 | 6,550 | 3/4 | 18,372 | 3/4 | 30,309 | 3/4 | 42,352 | 3/4 | 54,395 | 3/4 | 66,438 | 3/4 | 78,481 | 3/4 | 90,524 | 3/4 | 102,563 | 3/4 | 114,600 |
| 8 | 6,801 | 8 | 18,615 | 8 | 30,560 | 8 | 42,603 | 8 | 54,646 | 8 | 66,689 | 8 | 78,732 | 8 | 90,775 | 8 | 102,813 | 8 | 114,851 |
| 1/4 | 7,052 | 1/4 | 18,858 | 1/4 | 30,811 | 1/4 | 42,854 | 1/4 | 54,897 | 1/4 | 66,940 | 1/4 | 78,983 | 1/4 | 91,026 | 1/4 | 103,064 | 1/4 | 115,102 |
| 1/2 | 7,303 | 1/2 | 19,100 | 1/2 | 31,061 | 1/2 | 43,105 | 1/2 | 55,148 | 1/2 | 67,191 | 1/2 | 79,234 | 1/2 | 91,277 | 1/2 | 103,315 | 1/2 | 115,352 |
| 3/4 | 7,553 | 3/4 | 19,343 | 3/4 | 31,312 | 3/4 | 43,355 | 3/4 | 55,399 | 3/4 | 67,442 | 3/4 | 79,485 | 3/4 | 91,528 | 3/4 | 103,566 | 3/4 | 115,603 |
| 9 | 7,804 | 9 | 19,586 | 9 | 31,563 | 9 | 43,606 | 9 | 55,649 | 9 | 67,693 | 9 | 79,736 | 9 | 91,779 | 9 | 103,817 | 9 | 115,854 |
| 1/4 | 8,055 | 1/4 | 19,828 | 1/4 | 31,814 | 1/4 | 43,857 | 1/4 | 55,900 | 1/4 | 67,943 | 1/4 | 79,987 | 1/4 | 92,030 | 1/4 | 104,067 | 1/4 | 116,105 |
| 1/2 | 8,306 | 1/2 | 20,071 | 1/2 | 32,065 | 1/2 | 44,108 | 1/2 | 56,151 | 1/2 | 68,194 | 1/2 | 80,237 | 1/2 | 92,281 | 1/2 | 104,318 | 1/2 | 116,355 |
| 3/4 | 8,556 | 3/4 | 20,314 | 3/4 | 32,316 | 3/4 | 44,359 | 3/4 | 56,402 | 3/4 | 68,445 | 3/4 | 80,488 | 3/4 | 92,531 | 3/4 | 104,569 | 3/4 | 116,606 |
| 10 | 8,807 | 10 | 20,557 | 10 | 32,567 | 10 | 44,610 | 10 | 56,653 | 10 | 68,696 | 10 | 80,739 | 10 | 92,782 | 10 | 104,820 | 10 | 116,857 |
| 1/4 | 9,058 | 1/4 | 20,799 | 1/4 | 32,818 | 1/4 | 44,861 | 1/4 | 56,904 | 1/4 | 68,947 | 1/4 | 80,990 | 1/4 | 93,033 | 1/4 | 105,070 | 1/4 | 117,108 |
| 1/2 | 9,308 | 1/2 | 21,042 | 1/2 | 33,069 | 1/2 | 45,112 | 1/2 | 57,155 | 1/2 | 69,198 | 1/2 | 81,241 | 1/2 | 93,284 | 1/2 | 105,321 | 1/2 | 117,359 |
| 3/4 | 9,559 | 3/4 | 21,285 | 3/4 | 33,320 | 3/4 | 45,363 | 3/4 | 57,406 | 3/4 | 69,449 | 3/4 | 81,492 | 3/4 | 93,535 | 3/4 | 105,572 | 3/4 | 117,609 |
| 11 | 9,810 | 11 | 21,527 | 11 | 33,570 | 11 | 45,614 | 11 | 57,657 | 11 | 69,700 | 11 | 81,743 | 11 | 93,785 | 11 | 105,823 | 11 | 117,860 |
| 1/4 | 10,061 | 1/4 | 21,778 | 1/4 | 33,821 | 1/4 | 45,864 | 1/4 | 57,908 | 1/4 | 69,951 | 1/4 | 81,994 | 1/4 | 94,036 | 1/4 | 106,074 | 1/4 | 118,111 |
| 1/2 | 10,311 | 1/2 | 22,029 | 1/2 | 34,072 | 1/2 | 46,115 | 1/2 | 58,158 | 1/2 | 70,202 | 1/2 | 82,245 | 1/2 | 94,287 | 1/2 | 106,324 | 1/2 | 118,362 |
| 3/4 | 10,562 | 3/4 | 22,280 | 3/4 | 34,323 | 3/4 | 46,366 | 3/4 | 58,409 | 3/4 | 70,452 | 3/4 | 82,496 | 3/4 | 94,538 | 3/4 | 106,575 | 3/4 | 118,612 |

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 INNAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE.

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "DBL 98"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-00 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 | 118,863 | 0 | 130,901 | 0 | 142,938 | 0 | 154,975 | 0 | 166,966 | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 119,114 | 1/4 | 131,151 | 1/4 | 143,189 | 1/4 | 155,226 | 1/4 | 167,214 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 119,365 | 1/2 | 131,402 | 1/2 | 143,439 | 1/2 | 155,477 | 1/2 | 167,463 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 119,616 | 3/4 | 131,653 | 3/4 | 143,690 | 3/4 | 155,727 | 3/4 | 167,711 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 119,866 | 1 | 131,904 | 1 | 143,941 | 1 | 155,978 | 1 | 167,960 | 1 | | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 120,117 | 1/4 | 132,154 | 1/4 | 144,192 | 1/4 | 156,229 | 1/4 | 168,208 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 120,368 | 1/2 | 132,405 | 1/2 | 144,442 | 1/2 | 156,480 | 1/2 | 168,457 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 120,619 | 3/4 | 132,656 | 3/4 | 144,693 | 3/4 | 156,731 | 3/4 | 168,705 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 120,869 | 2 | 132,907 | 2 | 144,944 | 2 | 156,981 | 2 | 168,953 | 2 | | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 121,120 | 1/4 | 133,158 | 1/4 | 145,195 | 1/4 | 157,232 | 1/4 | 169,202 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 121,371 | 1/2 | 133,408 | 1/2 | 145,446 | 1/2 | 157,483 | 1/2 | 169,450 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 121,622 | 3/4 | 133,659 | 3/4 | 145,696 | 3/4 | 157,734 | 3/4 | 169,699 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 121,873 | 3 | 133,910 | 3 | 145,947 | 3 | 157,984 | 3 | 169,947 | 3 | | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 122,123 | 1/4 | 134,161 | 1/4 | 146,198 | 1/4 | 158,235 | 1/4 | 170,196 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 122,374 | 1/2 | 134,411 | 1/2 | 146,449 | 1/2 | 158,486 | 1/2 | 170,444 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 122,625 | 3/4 | 134,662 | 3/4 | 146,699 | 3/4 | 158,737 | 3/4 | 170,693 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 122,876 | 4 | 134,913 | 4 | 146,950 | 4 | 158,988 | 4 | 170,941 | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 123,126 | 1/4 | 135,164 | 1/4 | 147,201 | 1/4 | 159,238 | 1/4 | 171,189 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 123,377 | 1/2 | 135,415 | 1/2 | 147,452 | 1/2 | 159,489 | 1/2 | 171,438 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 123,628 | 3/4 | 135,665 | 3/4 | 147,703 | 3/4 | 159,740 | 3/4 | 171,686 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 123,879 | 5 | 135,916 | 5 | 147,953 | 5 | 159,991 | 5 | 171,935 | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 124,130 | 1/4 | 136,167 | 1/4 | 148,204 | 1/4 | 160,241 | 1/4 | 172,180 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 124,380 | 1/2 | 136,418 | 1/2 | 148,455 | 1/2 | 160,492 | 1/2 | 172,425 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 124,631 | 3/4 | 136,668 | 3/4 | 148,706 | 3/4 | 160,743 | 3/4 | 172,671 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 124,882 | 6 | 136,919 | 6 | 148,956 | 6 | 160,994 | 6 | 172,916 | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 125,133 | 1/4 | 137,170 | 1/4 | 149,207 | 1/4 | 161,245 | 1/4 | 173,161 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 125,383 | 1/2 | 137,421 | 1/2 | 149,458 | 1/2 | 161,495 | 1/2 | 173,406 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 125,634 | 3/4 | 137,672 | 3/4 | 149,709 | 3/4 | 161,746 | 3/4 | 173,652 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 125,885 | 7 | 137,922 | 7 | 149,960 | 7 | 161,997 | 7 | 173,897 | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 126,136 | 1/4 | 138,173 | 1/4 | 150,210 | 1/4 | 162,245 | 1/4 | 174,142 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 126,387 | 1/2 | 138,424 | 1/2 | 150,461 | 1/2 | 162,494 | 1/2 | 174,387 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 126,637 | 3/4 | 138,675 | 3/4 | 150,712 | 3/4 | 162,742 | 3/4 | 174,633 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 126,888 | 8 | 138,925 | 8 | 150,963 | 8 | 162,991 | 8 | 174,878 | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 127,139 | 1/4 | 139,176 | 1/4 | 151,213 | 1/4 | 163,239 | 1/4 | 175,123 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 127,390 | 1/2 | 139,427 | 1/2 | 151,464 | 1/2 | 163,488 | 1/2 | 175,368 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 127,640 | 3/4 | 139,678 | 3/4 | 151,715 | 3/4 | 163,736 | 3/4 | 175,614 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 127,891 | 9 | 139,929 | 9 | 151,966 | 9 | 163,984 | 9 | 175,859 | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 128,142 | 1/4 | 140,179 | 1/4 | 152,217 | 1/4 | 164,233 | 1/4 | 176,054 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 128,393 | 1/2 | 140,430 | 1/2 | 152,467 | 1/2 | 164,481 | 1/2 | 176,249 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 128,644 | 3/4 | 140,681 | 3/4 | 152,718 | 3/4 | 164,730 | 3/4 | 176,444 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 128,894 | 10 | 140,932 | 10 | 152,969 | 10 | 164,978 | 10 | 176,639 | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 129,145 | 1/4 | 141,182 | 1/4 | 153,220 | 1/4 | 165,227 | 1/4 | 176,739 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 129,396 | 1/2 | 141,433 | 1/2 | 153,470 | 1/2 | 165,475 | 1/2 | 176,840 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 129,647 | 3/4 | 141,684 | 3/4 | 153,721 | 3/4 | 165,724 | 3/4 | 176,940 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 129,897 | 11 | 141,935 | 11 | 153,972 | 11 | 165,972 | 11 | 177,041 | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 130,148 | 1/4 | 142,185 | 1/4 | 154,223 | 1/4 | 166,221 | 1/4 | 177,066 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 130,399 | 1/2 | 142,436 | 1/2 | 154,474 | 1/2 | 166,469 | 1/2 | 177,091 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 130,650 | 3/4 | 142,687 | 3/4 | 154,724 | 3/4 | 166,717 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/18/2013 SW
CALCULATED: 10/18/2013 CL
PRINTED: 10/19/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2013

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



BARGE "DBL 98"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-00"

| 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 | 27 | 0 | 9,545 | 0 | 20,146 | 0 | 30,771 | 0 | 41,395 | 0 | 52,020 | 0 | 62,645 | 0 | 73,269 | 0 | 83,893 | 0 | 94,517 |
| 1/4 | 71 | 1/4 | 9,766 | 1/4 | 20,368 | 1/4 | 30,992 | 1/4 | 41,617 | 1/4 | 52,241 | 1/4 | 62,866 | 1/4 | 73,490 | 1/4 | 84,114 | 1/4 | 94,734 |
| 1/2 | 116 | 1/2 | 9,987 | 1/2 | 20,589 | 1/2 | 31,214 | 1/2 | 41,838 | 1/2 | 52,463 | 1/2 | 63,087 | 1/2 | 73,712 | 1/2 | 84,335 | 1/2 | 94,955 |
| 3/4 | 160 | 3/4 | 10,209 | 3/4 | 20,810 | 3/4 | 31,435 | 3/4 | 42,059 | 3/4 | 52,684 | 3/4 | 63,309 | 3/4 | 73,933 | 3/4 | 84,557 | 3/4 | 95,176 |
| 1 | 204 | 1 | 10,430 | 1 | 21,032 | 1 | 31,656 | 1 | 42,281 | 1 | 52,905 | 1 | 63,530 | 1 | 74,154 | 1 | 84,778 | 1 | 95,397 |
| 1/4 | 337 | 1/4 | 10,651 | 1/4 | 21,253 | 1/4 | 31,878 | 1/4 | 42,502 | 1/4 | 53,127 | 1/4 | 63,751 | 1/4 | 74,376 | 1/4 | 84,999 | 1/4 | 95,619 |
| 1/2 | 470 | 1/2 | 10,873 | 1/2 | 21,474 | 1/2 | 32,099 | 1/2 | 42,723 | 1/2 | 53,348 | 1/2 | 63,973 | 1/2 | 74,597 | 1/2 | 85,220 | 1/2 | 95,840 |
| 3/4 | 603 | 3/4 | 11,094 | 3/4 | 21,696 | 3/4 | 32,320 | 3/4 | 42,945 | 3/4 | 53,569 | 3/4 | 64,194 | 3/4 | 74,819 | 3/4 | 85,441 | 3/4 | 96,061 |
| 2 | 735 | 2 | 11,315 | 2 | 21,917 | 2 | 32,542 | 2 | 43,166 | 2 | 53,791 | 2 | 64,415 | 2 | 75,040 | 2 | 85,663 | 2 | 96,282 |
| 1/4 | 946 | 1/4 | 11,536 | 1/4 | 22,138 | 1/4 | 32,763 | 1/4 | 43,387 | 1/4 | 54,012 | 1/4 | 64,637 | 1/4 | 75,261 | 1/4 | 85,884 | 1/4 | 96,503 |
| 1/2 | 1,156 | 1/2 | 11,757 | 1/2 | 22,360 | 1/2 | 32,984 | 1/2 | 43,609 | 1/2 | 54,233 | 1/2 | 64,858 | 1/2 | 75,483 | 1/2 | 86,105 | 1/2 | 96,725 |
| 3/4 | 1,366 | 3/4 | 11,978 | 3/4 | 22,581 | 3/4 | 33,206 | 3/4 | 43,830 | 3/4 | 54,455 | 3/4 | 65,079 | 3/4 | 75,704 | 3/4 | 86,326 | 3/4 | 96,946 |
| 3 | 1,576 | 3 | 12,199 | 3 | 22,802 | 3 | 33,427 | 3 | 44,052 | 3 | 54,676 | 3 | 65,301 | 3 | 75,925 | 3 | 86,548 | 3 | 97,167 |
| 1/4 | 1,798 | 1/4 | 12,420 | 1/4 | 23,024 | 1/4 | 33,648 | 1/4 | 44,273 | 1/4 | 54,897 | 1/4 | 65,522 | 1/4 | 76,147 | 1/4 | 86,769 | 1/4 | 97,388 |
| 1/2 | 2,019 | 1/2 | 12,641 | 1/2 | 23,245 | 1/2 | 33,870 | 1/2 | 44,494 | 1/2 | 55,119 | 1/2 | 65,743 | 1/2 | 76,368 | 1/2 | 86,990 | 1/2 | 97,610 |
| 3/4 | 2,240 | 3/4 | 12,861 | 3/4 | 23,466 | 3/4 | 34,091 | 3/4 | 44,716 | 3/4 | 55,340 | 3/4 | 65,965 | 3/4 | 76,589 | 3/4 | 87,211 | 3/4 | 97,831 |
| 4 | 2,462 | 4 | 13,082 | 4 | 23,688 | 4 | 34,312 | 4 | 44,937 | 4 | 55,561 | 4 | 66,186 | 4 | 76,811 | 4 | 87,433 | 4 | 98,052 |
| 1/4 | 2,683 | 1/4 | 13,303 | 1/4 | 23,909 | 1/4 | 34,534 | 1/4 | 45,158 | 1/4 | 55,783 | 1/4 | 66,407 | 1/4 | 77,032 | 1/4 | 87,654 | 1/4 | 98,273 |
| 1/2 | 2,904 | 1/2 | 13,523 | 1/2 | 24,130 | 1/2 | 34,755 | 1/2 | 45,380 | 1/2 | 56,004 | 1/2 | 66,629 | 1/2 | 77,253 | 1/2 | 87,875 | 1/2 | 98,495 |
| 3/4 | 3,126 | 3/4 | 13,744 | 3/4 | 24,352 | 3/4 | 34,976 | 3/4 | 45,601 | 3/4 | 56,226 | 3/4 | 66,850 | 3/4 | 77,475 | 3/4 | 88,096 | 3/4 | 98,716 |
| 5 | 3,347 | 5 | 13,965 | 5 | 24,573 | 5 | 35,198 | 5 | 45,822 | 5 | 56,447 | 5 | 67,071 | 5 | 77,696 | 5 | 88,318 | 5 | 98,937 |
| 1/4 | 3,568 | 1/4 | 14,186 | 1/4 | 24,795 | 1/4 | 35,419 | 1/4 | 46,044 | 1/4 | 56,668 | 1/4 | 67,293 | 1/4 | 77,917 | 1/4 | 88,539 | 1/4 | 99,158 |
| 1/2 | 3,790 | 1/2 | 14,406 | 1/2 | 25,016 | 1/2 | 35,640 | 1/2 | 46,265 | 1/2 | 56,890 | 1/2 | 67,514 | 1/2 | 78,139 | 1/2 | 88,760 | 1/2 | 99,380 |
| 3/4 | 4,011 | 3/4 | 14,627 | 3/4 | 25,237 | 3/4 | 35,862 | 3/4 | 46,486 | 3/4 | 57,111 | 3/4 | 67,735 | 3/4 | 78,360 | 3/4 | 88,981 | 3/4 | 99,601 |
| 6 | 4,232 | 6 | 14,848 | 6 | 25,459 | 6 | 36,083 | 6 | 46,708 | 6 | 57,332 | 6 | 67,957 | 6 | 78,581 | 6 | 89,203 | 6 | 99,822 |
| 1/4 | 4,454 | 1/4 | 15,069 | 1/4 | 25,680 | 1/4 | 36,304 | 1/4 | 46,929 | 1/4 | 57,554 | 1/4 | 68,178 | 1/4 | 78,803 | 1/4 | 89,424 | 1/4 | 100,043 |
| 1/2 | 4,675 | 1/2 | 15,289 | 1/2 | 25,901 | 1/2 | 36,526 | 1/2 | 47,150 | 1/2 | 57,775 | 1/2 | 68,400 | 1/2 | 79,024 | 1/2 | 89,645 | 1/2 | 100,265 |
| 3/4 | 4,896 | 3/4 | 15,510 | 3/4 | 26,123 | 3/4 | 36,747 | 3/4 | 47,372 | 3/4 | 57,996 | 3/4 | 68,621 | 3/4 | 79,245 | 3/4 | 89,866 | 3/4 | 100,486 |
| 7 | 5,118 | 7 | 15,731 | 7 | 26,344 | 7 | 36,968 | 7 | 47,593 | 7 | 58,218 | 7 | 68,842 | 7 | 79,467 | 7 | 90,088 | 7 | 100,707 |
| 1/4 | 5,339 | 1/4 | 15,951 | 1/4 | 26,565 | 1/4 | 37,190 | 1/4 | 47,814 | 1/4 | 58,439 | 1/4 | 69,064 | 1/4 | 79,688 | 1/4 | 90,309 | 1/4 | 100,928 |
| 1/2 | 5,560 | 1/2 | 16,172 | 1/2 | 26,787 | 1/2 | 37,411 | 1/2 | 48,036 | 1/2 | 58,660 | 1/2 | 69,285 | 1/2 | 79,909 | 1/2 | 90,530 | 1/2 | 101,149 |
| 3/4 | 5,782 | 3/4 | 16,393 | 3/4 | 27,008 | 3/4 | 37,633 | 3/4 | 48,257 | 3/4 | 58,882 | 3/4 | 69,506 | 3/4 | 80,131 | 3/4 | 90,751 | 3/4 | 101,371 |
| 8 | 6,003 | 8 | 16,614 | 8 | 27,229 | 8 | 37,854 | 8 | 48,478 | 8 | 59,103 | 8 | 69,728 | 8 | 80,352 | 8 | 90,972 | 8 | 101,592 |
| 1/4 | 6,224 | 1/4 | 16,834 | 1/4 | 27,451 | 1/4 | 38,075 | 1/4 | 48,700 | 1/4 | 59,324 | 1/4 | 69,949 | 1/4 | 80,573 | 1/4 | 91,194 | 1/4 | 101,813 |
| 1/2 | 6,446 | 1/2 | 17,055 | 1/2 | 27,672 | 1/2 | 38,297 | 1/2 | 48,921 | 1/2 | 59,546 | 1/2 | 70,170 | 1/2 | 80,795 | 1/2 | 91,415 | 1/2 | 102,034 |
| 3/4 | 6,667 | 3/4 | 17,276 | 3/4 | 27,893 | 3/4 | 38,518 | 3/4 | 49,142 | 3/4 | 59,767 | 3/4 | 70,392 | 3/4 | 81,016 | 3/4 | 91,636 | 3/4 | 102,256 |
| 9 | 6,888 | 9 | 17,497 | 9 | 28,115 | 9 | 38,739 | 9 | 49,364 | 9 | 59,988 | 9 | 70,613 | 9 | 81,238 | 9 | 91,857 | 9 | 102,477 |
| 1/4 | 7,110 | 1/4 | 17,717 | 1/4 | 28,336 | 1/4 | 38,961 | 1/4 | 49,585 | 1/4 | 60,210 | 1/4 | 70,834 | 1/4 | 81,459 | 1/4 | 92,079 | 1/4 | 102,698 |
| 1/2 | 7,331 | 1/2 | 17,938 | 1/2 | 28,557 | 1/2 | 39,182 | 1/2 | 49,807 | 1/2 | 60,431 | 1/2 | 71,056 | 1/2 | 81,680 | 1/2 | 92,300 | 1/2 | 102,919 |
| 3/4 | 7,552 | 3/4 | 18,159 | 3/4 | 28,779 | 3/4 | 39,403 | 3/4 | 50,028 | 3/4 | 60,652 | 3/4 | 71,277 | 3/4 | 81,902 | 3/4 | 92,521 | 3/4 | 103,141 |
| 10 | 7,774 | 10 | 18,379 | 10 | 29,000 | 10 | 39,625 | 10 | 50,249 | 10 | 60,874 | 10 | 71,498 | 10 | 82,123 | 10 | 92,742 | 10 | 103,362 |
| 1/4 | 7,995 | 1/4 | 18,600 | 1/4 | 29,221 | 1/4 | 39,846 | 1/4 | 50,471 | 1/4 | 61,095 | 1/4 | 71,720 | 1/4 | 82,344 | 1/4 | 92,964 | 1/4 | 103,583 |
| 1/2 | 8,216 | 1/2 | 18,821 | 1/2 | 29,443 | 1/2 | 40,067 | 1/2 | 50,692 | 1/2 | 61,316 | 1/2 | 71,941 | 1/2 | 82,565 | 1/2 | 93,185 | 1/2 | 103,804 |
| 3/4 | 8,438 | 3/4 | 19,042 | 3/4 | 29,664 | 3/4 | 40,289 | 3/4 | 50,913 | 3/4 | 61,538 | 3/4 | 72,162 | 3/4 | 82,787 | 3/4 | 93,406 | 3/4 | 104,026 |
| 11 | 8,659 | 11 | 19,262 | 11 | 29,885 | 11 | 40,510 | 11 | 51,135 | 11 | 61,759 | 11 | 72,384 | 11 | 83,008 | 11 | 93,627 | 11 | 104,247 |
| 1/4 | 8,880 | 1/4 | 19,483 | 1/4 | 30,107 | 1/4 | 40,731 | 1/4 | 51,356 | 1/4 | 61,980 | 1/4 | 72,605 | 1/4 | 83,229 | 1/4 | 93,849 | 1/4 | 104,468 |
| 1/2 | 9,102 | 1/2 | 19,704 | 1/2 | 30,328 | 1/2 | 40,953 | 1/2 | 51,577 | 1/2 | 62,202 | 1/2 | 72,826 | 1/2 | 83,450 | 1/2 | 94,070 | 1/2 | 104,689 |
| 3/4 | 9,323 | 3/4 | 19,925 | 3/4 | 30,549 | 3/4 | 41,174 | 3/4 | 51,799 | 3/4 | 62,423 | 3/4 | 73,048 | 3/4 | 83,672 | 3/4 | 94,291 | 3/4 | 104,911 |

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 INNAGE 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 98"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-00"

| 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 | 105,132 | 0 | 115,751 | 0 | 126,371 | 0 | 136,990 | 0 | 147,569 | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 105,353 | 1/4 | 115,973 | 1/4 | 126,592 | 1/4 | 137,211 | 1/4 | 147,788 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 105,574 | 1/2 | 116,194 | 1/2 | 126,813 | 1/2 | 137,433 | 1/2 | 148,007 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 105,796 | 3/4 | 116,415 | 3/4 | 127,034 | 3/4 | 137,654 | 3/4 | 148,227 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 106,017 | 1 | 116,636 | 1 | 127,256 | 1 | 137,875 | 1 | 148,446 | 1 | | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 106,238 | 1/4 | 116,857 | 1/4 | 127,477 | 1/4 | 138,096 | 1/4 | 148,665 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 106,459 | 1/2 | 117,079 | 1/2 | 127,698 | 1/2 | 138,318 | 1/2 | 148,884 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 106,680 | 3/4 | 117,300 | 3/4 | 127,919 | 3/4 | 138,539 | 3/4 | 149,103 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 106,902 | 2 | 117,521 | 2 | 128,141 | 2 | 138,760 | 2 | 149,323 | 2 | | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 107,123 | 1/4 | 117,742 | 1/4 | 128,362 | 1/4 | 138,981 | 1/4 | 149,542 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 107,344 | 1/2 | 117,964 | 1/2 | 128,583 | 1/2 | 139,203 | 1/2 | 149,761 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 107,565 | 3/4 | 118,185 | 3/4 | 128,804 | 3/4 | 139,424 | 3/4 | 149,980 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 107,787 | 3 | 118,406 | 3 | 129,026 | 3 | 139,645 | 3 | 150,199 | 3 | | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 108,008 | 1/4 | 118,627 | 1/4 | 129,247 | 1/4 | 139,866 | 1/4 | 150,419 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 108,229 | 1/2 | 118,849 | 1/2 | 129,468 | 1/2 | 140,088 | 1/2 | 150,638 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 108,450 | 3/4 | 119,070 | 3/4 | 129,689 | 3/4 | 140,309 | 3/4 | 150,857 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 108,672 | 4 | 119,291 | 4 | 129,911 | 4 | 140,530 | 4 | 151,076 | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 108,893 | 1/4 | 119,512 | 1/4 | 130,132 | 1/4 | 140,751 | 1/4 | 151,295 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 109,114 | 1/2 | 119,734 | 1/2 | 130,353 | 1/2 | 140,973 | 1/2 | 151,515 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 109,335 | 3/4 | 119,955 | 3/4 | 130,574 | 3/4 | 141,194 | 3/4 | 151,734 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 109,557 | 5 | 120,176 | 5 | 130,796 | 5 | 141,415 | 5 | 151,953 | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 109,778 | 1/4 | 120,397 | 1/4 | 131,017 | 1/4 | 141,636 | 1/4 | 152,169 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 109,999 | 1/2 | 120,619 | 1/2 | 131,238 | 1/2 | 141,857 | 1/2 | 152,386 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 110,220 | 3/4 | 120,840 | 3/4 | 131,459 | 3/4 | 142,079 | 3/4 | 152,602 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 110,442 | 6 | 121,061 | 6 | 131,680 | 6 | 142,300 | 6 | 152,818 | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 110,663 | 1/4 | 121,282 | 1/4 | 131,902 | 1/4 | 142,521 | 1/4 | 153,035 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 110,884 | 1/2 | 121,503 | 1/2 | 132,123 | 1/2 | 142,742 | 1/2 | 153,251 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 111,105 | 3/4 | 121,725 | 3/4 | 132,344 | 3/4 | 142,964 | 3/4 | 153,468 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 111,326 | 7 | 121,946 | 7 | 132,565 | 7 | 143,185 | 7 | 153,684 | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 111,548 | 1/4 | 122,167 | 1/4 | 132,787 | 1/4 | 143,404 | 1/4 | 153,900 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 111,769 | 1/2 | 122,388 | 1/2 | 133,008 | 1/2 | 143,623 | 1/2 | 154,117 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 111,990 | 3/4 | 122,610 | 3/4 | 133,229 | 3/4 | 143,843 | 3/4 | 154,333 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 112,211 | 8 | 122,831 | 8 | 133,450 | 8 | 144,062 | 8 | 154,550 | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 112,433 | 1/4 | 123,052 | 1/4 | 133,672 | 1/4 | 144,281 | 1/4 | 154,766 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 112,654 | 1/2 | 123,273 | 1/2 | 133,893 | 1/2 | 144,500 | 1/2 | 154,982 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 112,875 | 3/4 | 123,495 | 3/4 | 134,114 | 3/4 | 144,719 | 3/4 | 155,199 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 113,096 | 9 | 123,716 | 9 | 134,335 | 9 | 144,939 | 9 | 155,415 | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 113,318 | 1/4 | 123,937 | 1/4 | 134,557 | 1/4 | 145,158 | 1/4 | 155,587 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 113,539 | 1/2 | 124,158 | 1/2 | 134,778 | 1/2 | 145,377 | 1/2 | 155,759 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 113,760 | 3/4 | 124,380 | 3/4 | 134,999 | 3/4 | 145,596 | 3/4 | 155,931 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 113,981 | 10 | 124,601 | 10 | 135,220 | 10 | 145,815 | 10 | 156,104 | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 114,203 | 1/4 | 124,822 | 1/4 | 135,442 | 1/4 | 146,035 | 1/4 | 156,192 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 114,424 | 1/2 | 125,043 | 1/2 | 135,663 | 1/2 | 146,254 | 1/2 | 156,281 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 114,645 | 3/4 | 125,265 | 3/4 | 135,884 | 3/4 | 146,473 | 3/4 | 156,369 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 114,866 | 11 | 125,486 | 11 | 136,105 | 11 | 146,692 | 11 | 156,458 | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 115,088 | 1/4 | 125,707 | 1/4 | 136,327 | 1/4 | 146,911 | 1/4 | 156,480 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 115,309 | 1/2 | 125,928 | 1/2 | 136,548 | 1/2 | 147,131 | 1/2 | 156,502 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 115,530 | 3/4 | 126,150 | 3/4 | 136,769 | 3/4 | 147,350 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/18/2013 SW
CALCULATED: 10/18/2013 CL
PRINTED: 10/19/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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