



BARGE "DBL 109"

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

LENGTH BETWEEN DRAFT MARKS: 160'-06"

April 24, 2015

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

<http://www.pmacorp.net>



BARGE "DBL 109"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-01 1/2"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|-----|-------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|---------|
| 0 | 27 | 0 | 9,518 | 0 | 20,090 | 0 | 30,684 | 0 | 41,279 | 0 | 51,873 | 0 | 62,468 | 0 | 73,062 | 0 | 83,656 | 0 | 94,245 |
| 1/4 | 71 | 1/4 | 9,739 | 1/4 | 20,310 | 1/4 | 30,905 | 1/4 | 41,499 | 1/4 | 52,094 | 1/4 | 62,688 | 1/4 | 73,283 | 1/4 | 83,876 | 1/4 | 94,466 |
| 1/2 | 116 | 1/2 | 9,959 | 1/2 | 20,531 | 1/2 | 31,126 | 1/2 | 41,720 | 1/2 | 52,315 | 1/2 | 62,909 | 1/2 | 73,504 | 1/2 | 84,097 | 1/2 | 94,686 |
| 3/4 | 160 | 3/4 | 10,180 | 3/4 | 20,752 | 3/4 | 31,346 | 3/4 | 41,941 | 3/4 | 52,535 | 3/4 | 63,130 | 3/4 | 73,724 | 3/4 | 84,318 | 3/4 | 94,907 |
| 1 | 204 | 1 | 10,401 | 1 | 20,973 | 1 | 31,567 | 1 | 42,161 | 1 | 52,756 | 1 | 63,350 | 1 | 73,945 | 1 | 84,538 | 1 | 95,128 |
| 1/4 | 336 | 1/4 | 10,622 | 1/4 | 21,193 | 1/4 | 31,788 | 1/4 | 42,382 | 1/4 | 52,977 | 1/4 | 63,571 | 1/4 | 74,166 | 1/4 | 84,759 | 1/4 | 95,348 |
| 1/2 | 469 | 1/2 | 10,842 | 1/2 | 21,414 | 1/2 | 32,008 | 1/2 | 42,603 | 1/2 | 53,197 | 1/2 | 63,792 | 1/2 | 74,386 | 1/2 | 84,979 | 1/2 | 95,569 |
| 3/4 | 601 | 3/4 | 11,063 | 3/4 | 21,635 | 3/4 | 32,229 | 3/4 | 42,824 | 3/4 | 53,418 | 3/4 | 64,013 | 3/4 | 74,607 | 3/4 | 85,200 | 3/4 | 95,789 |
| 2 | 734 | 2 | 11,284 | 2 | 21,855 | 2 | 32,450 | 2 | 43,044 | 2 | 53,639 | 2 | 64,233 | 2 | 74,828 | 2 | 85,421 | 2 | 96,010 |
| 1/4 | 943 | 1/4 | 11,504 | 1/4 | 22,076 | 1/4 | 32,671 | 1/4 | 43,265 | 1/4 | 53,860 | 1/4 | 64,454 | 1/4 | 75,049 | 1/4 | 85,641 | 1/4 | 96,231 |
| 1/2 | 1,153 | 1/2 | 11,724 | 1/2 | 22,297 | 1/2 | 32,891 | 1/2 | 43,486 | 1/2 | 54,080 | 1/2 | 64,675 | 1/2 | 75,269 | 1/2 | 85,862 | 1/2 | 96,451 |
| 3/4 | 1,363 | 3/4 | 11,945 | 3/4 | 22,518 | 3/4 | 33,112 | 3/4 | 43,707 | 3/4 | 54,301 | 3/4 | 64,895 | 3/4 | 75,490 | 3/4 | 86,082 | 3/4 | 96,672 |
| 3 | 1,572 | 3 | 12,165 | 3 | 22,738 | 3 | 33,333 | 3 | 43,927 | 3 | 54,522 | 3 | 65,116 | 3 | 75,711 | 3 | 86,303 | 3 | 96,892 |
| 1/4 | 1,793 | 1/4 | 12,385 | 1/4 | 22,959 | 1/4 | 33,553 | 1/4 | 44,148 | 1/4 | 54,742 | 1/4 | 65,337 | 1/4 | 75,931 | 1/4 | 86,524 | 1/4 | 97,113 |
| 1/2 | 2,014 | 1/2 | 12,605 | 1/2 | 23,180 | 1/2 | 33,774 | 1/2 | 44,369 | 1/2 | 54,963 | 1/2 | 65,558 | 1/2 | 76,152 | 1/2 | 86,744 | 1/2 | 97,334 |
| 3/4 | 2,235 | 3/4 | 12,825 | 3/4 | 23,400 | 3/4 | 33,995 | 3/4 | 44,589 | 3/4 | 55,184 | 3/4 | 65,778 | 3/4 | 76,373 | 3/4 | 86,965 | 3/4 | 97,554 |
| 4 | 2,455 | 4 | 13,045 | 4 | 23,621 | 4 | 34,216 | 4 | 44,810 | 4 | 55,405 | 4 | 65,999 | 4 | 76,594 | 4 | 87,186 | 4 | 97,775 |
| 1/4 | 2,676 | 1/4 | 13,266 | 1/4 | 23,842 | 1/4 | 34,436 | 1/4 | 45,031 | 1/4 | 55,625 | 1/4 | 66,220 | 1/4 | 76,814 | 1/4 | 87,406 | 1/4 | 97,996 |
| 1/2 | 2,897 | 1/2 | 13,486 | 1/2 | 24,063 | 1/2 | 34,657 | 1/2 | 45,252 | 1/2 | 55,846 | 1/2 | 66,441 | 1/2 | 77,035 | 1/2 | 87,627 | 1/2 | 98,216 |
| 3/4 | 3,117 | 3/4 | 13,706 | 3/4 | 24,283 | 3/4 | 34,878 | 3/4 | 45,472 | 3/4 | 56,067 | 3/4 | 66,661 | 3/4 | 77,256 | 3/4 | 87,847 | 3/4 | 98,437 |
| 5 | 3,338 | 5 | 13,926 | 5 | 24,504 | 5 | 35,099 | 5 | 45,693 | 5 | 56,287 | 5 | 66,882 | 5 | 77,476 | 5 | 88,068 | 5 | 98,657 |
| 1/4 | 3,559 | 1/4 | 14,146 | 1/4 | 24,725 | 1/4 | 35,319 | 1/4 | 45,914 | 1/4 | 56,508 | 1/4 | 67,103 | 1/4 | 77,697 | 1/4 | 88,289 | 1/4 | 98,878 |
| 1/2 | 3,780 | 1/2 | 14,366 | 1/2 | 24,945 | 1/2 | 35,540 | 1/2 | 46,134 | 1/2 | 56,729 | 1/2 | 67,323 | 1/2 | 77,918 | 1/2 | 88,509 | 1/2 | 99,099 |
| 3/4 | 4,000 | 3/4 | 14,586 | 3/4 | 25,166 | 3/4 | 35,761 | 3/4 | 46,355 | 3/4 | 56,950 | 3/4 | 67,544 | 3/4 | 78,139 | 3/4 | 88,730 | 3/4 | 99,319 |
| 6 | 4,221 | 6 | 14,806 | 6 | 25,387 | 6 | 35,981 | 6 | 46,576 | 6 | 57,170 | 6 | 67,765 | 6 | 78,359 | 6 | 88,950 | 6 | 99,540 |
| 1/4 | 4,442 | 1/4 | 15,026 | 1/4 | 25,608 | 1/4 | 36,202 | 1/4 | 46,797 | 1/4 | 57,391 | 1/4 | 67,986 | 1/4 | 78,580 | 1/4 | 89,171 | 1/4 | 99,760 |
| 1/2 | 4,662 | 1/2 | 15,246 | 1/2 | 25,828 | 1/2 | 36,423 | 1/2 | 47,017 | 1/2 | 57,612 | 1/2 | 68,206 | 1/2 | 78,801 | 1/2 | 89,392 | 1/2 | 99,981 |
| 3/4 | 4,883 | 3/4 | 15,467 | 3/4 | 26,049 | 3/4 | 36,644 | 3/4 | 47,238 | 3/4 | 57,833 | 3/4 | 68,427 | 3/4 | 79,021 | 3/4 | 89,612 | 3/4 | 100,202 |
| 7 | 5,104 | 7 | 15,687 | 7 | 26,270 | 7 | 36,864 | 7 | 47,459 | 7 | 58,053 | 7 | 68,648 | 7 | 79,242 | 7 | 89,833 | 7 | 100,422 |
| 1/4 | 5,325 | 1/4 | 15,907 | 1/4 | 26,490 | 1/4 | 37,085 | 1/4 | 47,679 | 1/4 | 58,274 | 1/4 | 68,868 | 1/4 | 79,463 | 1/4 | 90,053 | 1/4 | 100,643 |
| 1/2 | 5,545 | 1/2 | 16,127 | 1/2 | 26,711 | 1/2 | 37,306 | 1/2 | 47,900 | 1/2 | 58,495 | 1/2 | 69,089 | 1/2 | 79,684 | 1/2 | 90,274 | 1/2 | 100,863 |
| 3/4 | 5,766 | 3/4 | 16,347 | 3/4 | 26,932 | 3/4 | 37,526 | 3/4 | 48,121 | 3/4 | 58,715 | 3/4 | 69,310 | 3/4 | 79,904 | 3/4 | 90,495 | 3/4 | 101,084 |
| 8 | 5,987 | 8 | 16,567 | 8 | 27,153 | 8 | 37,747 | 8 | 48,342 | 8 | 58,936 | 8 | 69,531 | 8 | 80,125 | 8 | 90,715 | 8 | 101,305 |
| 1/4 | 6,207 | 1/4 | 16,787 | 1/4 | 27,373 | 1/4 | 37,968 | 1/4 | 48,562 | 1/4 | 59,157 | 1/4 | 69,751 | 1/4 | 80,346 | 1/4 | 90,936 | 1/4 | 101,525 |
| 1/2 | 6,428 | 1/2 | 17,007 | 1/2 | 27,594 | 1/2 | 38,189 | 1/2 | 48,783 | 1/2 | 59,378 | 1/2 | 69,972 | 1/2 | 80,566 | 1/2 | 91,157 | 1/2 | 101,746 |
| 3/4 | 6,649 | 3/4 | 17,227 | 3/4 | 27,815 | 3/4 | 38,409 | 3/4 | 49,004 | 3/4 | 59,598 | 3/4 | 70,193 | 3/4 | 80,787 | 3/4 | 91,377 | 3/4 | 101,967 |
| 9 | 6,869 | 9 | 17,447 | 9 | 28,036 | 9 | 38,630 | 9 | 49,224 | 9 | 59,819 | 9 | 70,413 | 9 | 81,008 | 9 | 91,598 | 9 | 102,187 |
| 1/4 | 7,090 | 1/4 | 17,668 | 1/4 | 28,256 | 1/4 | 38,851 | 1/4 | 49,445 | 1/4 | 60,040 | 1/4 | 70,634 | 1/4 | 81,229 | 1/4 | 91,818 | 1/4 | 102,408 |
| 1/2 | 7,311 | 1/2 | 17,888 | 1/2 | 28,477 | 1/2 | 39,071 | 1/2 | 49,666 | 1/2 | 60,260 | 1/2 | 70,855 | 1/2 | 81,449 | 1/2 | 92,039 | 1/2 | 102,628 |
| 3/4 | 7,532 | 3/4 | 18,108 | 3/4 | 28,698 | 3/4 | 39,292 | 3/4 | 49,887 | 3/4 | 60,481 | 3/4 | 71,076 | 3/4 | 81,670 | 3/4 | 92,260 | 3/4 | 102,849 |
| 10 | 7,752 | 10 | 18,328 | 10 | 28,918 | 10 | 39,513 | 10 | 50,107 | 10 | 60,702 | 10 | 71,296 | 10 | 81,891 | 10 | 92,480 | 10 | 103,070 |
| 1/4 | 7,973 | 1/4 | 18,548 | 1/4 | 29,139 | 1/4 | 39,734 | 1/4 | 50,328 | 1/4 | 60,923 | 1/4 | 71,517 | 1/4 | 82,111 | 1/4 | 92,701 | 1/4 | 103,290 |
| 1/2 | 8,194 | 1/2 | 18,768 | 1/2 | 29,360 | 1/2 | 39,954 | 1/2 | 50,549 | 1/2 | 61,143 | 1/2 | 71,738 | 1/2 | 82,332 | 1/2 | 92,921 | 1/2 | 103,511 |
| 3/4 | 8,414 | 3/4 | 18,988 | 3/4 | 29,581 | 3/4 | 40,175 | 3/4 | 50,770 | 3/4 | 61,364 | 3/4 | 71,958 | 3/4 | 82,553 | 3/4 | 93,142 | 3/4 | 103,731 |
| 11 | 8,635 | 11 | 19,208 | 11 | 29,801 | 11 | 40,396 | 11 | 50,990 | 11 | 61,585 | 11 | 72,179 | 11 | 82,773 | 11 | 93,363 | 11 | 103,952 |
| 1/4 | 8,856 | 1/4 | 19,429 | 1/4 | 30,022 | 1/4 | 40,616 | 1/4 | 51,211 | 1/4 | 61,805 | 1/4 | 72,400 | 1/4 | 82,994 | 1/4 | 93,583 | 1/4 | 104,173 |
| 1/2 | 9,077 | 1/2 | 19,649 | 1/2 | 30,243 | 1/2 | 40,837 | 1/2 | 51,432 | 1/2 | 62,026 | 1/2 | 72,621 | 1/2 | 83,214 | 1/2 | 93,804 | 1/2 | 104,393 |
| 3/4 | 9,297 | 3/4 | 19,869 | 3/4 | 30,463 | 3/4 | 41,058 | 3/4 | 51,652 | 3/4 | 62,247 | 3/4 | 72,841 | 3/4 | 83,435 | 3/4 | 94,024 | 3/4 | 104,614 |

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 1'-00" OFF CENTERLINE AND 25'-06" FORWARD OF AFT BULKHEAD

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BARGE "DBL 109"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-01 1/2"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 104,834 | 0 | 115,424 | 0 | 126,013 | 0 | 136,603 | 0 | 147,151 | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 105,055 | 1/4 | 115,644 | 1/4 | 126,234 | 1/4 | 136,823 | 1/4 | 147,370 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 105,276 | 1/2 | 115,865 | 1/2 | 126,454 | 1/2 | 137,044 | 1/2 | 147,588 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 105,496 | 3/4 | 116,086 | 3/4 | 126,675 | 3/4 | 137,264 | 3/4 | 147,807 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 105,717 | 1 | 116,306 | 1 | 126,896 | 1 | 137,485 | 1 | 148,026 | 1 | | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 105,938 | 1/4 | 116,527 | 1/4 | 127,116 | 1/4 | 137,706 | 1/4 | 148,244 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 106,158 | 1/2 | 116,748 | 1/2 | 127,337 | 1/2 | 137,926 | 1/2 | 148,463 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 106,379 | 3/4 | 116,968 | 3/4 | 127,558 | 3/4 | 138,147 | 3/4 | 148,681 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 106,599 | 2 | 117,189 | 2 | 127,778 | 2 | 138,368 | 2 | 148,900 | 2 | | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 106,820 | 1/4 | 117,409 | 1/4 | 127,999 | 1/4 | 138,588 | 1/4 | 149,118 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 107,041 | 1/2 | 117,630 | 1/2 | 128,219 | 1/2 | 138,809 | 1/2 | 149,337 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 107,261 | 3/4 | 117,851 | 3/4 | 128,440 | 3/4 | 139,029 | 3/4 | 149,556 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 107,482 | 3 | 118,071 | 3 | 128,661 | 3 | 139,250 | 3 | 149,774 | 3 | | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 107,702 | 1/4 | 118,292 | 1/4 | 128,881 | 1/4 | 139,471 | 1/4 | 149,993 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 107,923 | 1/2 | 118,512 | 1/2 | 129,102 | 1/2 | 139,691 | 1/2 | 150,211 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 108,144 | 3/4 | 118,733 | 3/4 | 129,322 | 3/4 | 139,912 | 3/4 | 150,430 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 108,364 | 4 | 118,954 | 4 | 129,543 | 4 | 140,132 | 4 | 150,648 | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 108,585 | 1/4 | 119,174 | 1/4 | 129,764 | 1/4 | 140,353 | 1/4 | 150,867 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 108,806 | 1/2 | 119,395 | 1/2 | 129,984 | 1/2 | 140,574 | 1/2 | 151,086 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 109,026 | 3/4 | 119,616 | 3/4 | 130,205 | 3/4 | 140,794 | 3/4 | 151,304 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 109,247 | 5 | 119,836 | 5 | 130,426 | 5 | 141,015 | 5 | 151,523 | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 109,467 | 1/4 | 120,057 | 1/4 | 130,646 | 1/4 | 141,236 | 1/4 | 151,739 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 109,688 | 1/2 | 120,277 | 1/2 | 130,867 | 1/2 | 141,456 | 1/2 | 151,954 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 109,909 | 3/4 | 120,498 | 3/4 | 131,087 | 3/4 | 141,677 | 3/4 | 152,170 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 110,129 | 6 | 120,719 | 6 | 131,308 | 6 | 141,897 | 6 | 152,386 | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 110,350 | 1/4 | 120,939 | 1/4 | 131,529 | 1/4 | 142,118 | 1/4 | 152,602 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 110,570 | 1/2 | 121,160 | 1/2 | 131,749 | 1/2 | 142,339 | 1/2 | 152,817 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 110,791 | 3/4 | 121,380 | 3/4 | 131,970 | 3/4 | 142,559 | 3/4 | 153,033 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 111,012 | 7 | 121,601 | 7 | 132,190 | 7 | 142,780 | 7 | 153,249 | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 111,232 | 1/4 | 121,822 | 1/4 | 132,411 | 1/4 | 142,998 | 1/4 | 153,465 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 111,453 | 1/2 | 122,042 | 1/2 | 132,632 | 1/2 | 143,217 | 1/2 | 153,680 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 111,673 | 3/4 | 122,263 | 3/4 | 132,852 | 3/4 | 143,436 | 3/4 | 153,896 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 111,894 | 8 | 122,483 | 8 | 133,073 | 8 | 143,654 | 8 | 154,112 | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 112,115 | 1/4 | 122,704 | 1/4 | 133,293 | 1/4 | 143,873 | 1/4 | 154,328 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 112,335 | 1/2 | 122,925 | 1/2 | 133,514 | 1/2 | 144,091 | 1/2 | 154,543 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 112,556 | 3/4 | 123,145 | 3/4 | 133,735 | 3/4 | 144,310 | 3/4 | 154,759 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 112,777 | 9 | 123,366 | 9 | 133,955 | 9 | 144,528 | 9 | 154,975 | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 112,997 | 1/4 | 123,587 | 1/4 | 134,176 | 1/4 | 144,747 | 1/4 | 155,102 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 113,218 | 1/2 | 123,807 | 1/2 | 134,397 | 1/2 | 144,966 | 1/2 | 155,230 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 113,438 | 3/4 | 124,028 | 3/4 | 134,617 | 3/4 | 145,184 | 3/4 | 155,357 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 113,659 | 10 | 124,248 | 10 | 134,838 | 10 | 145,403 | 10 | 155,485 | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 113,880 | 1/4 | 124,469 | 1/4 | 135,058 | 1/4 | 145,621 | 1/4 | 155,529 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 114,100 | 1/2 | 124,690 | 1/2 | 135,279 | 1/2 | 145,840 | 1/2 | 155,573 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 114,321 | 3/4 | 124,910 | 3/4 | 135,500 | 3/4 | 146,058 | 3/4 | 155,617 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 114,541 | 11 | 125,131 | 11 | 135,720 | 11 | 146,277 | 11 | 155,661 | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 114,762 | 1/4 | 125,351 | 1/4 | 135,941 | 1/4 | 146,496 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 114,983 | 1/2 | 125,572 | 1/2 | 136,161 | 1/2 | 146,714 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 115,203 | 3/4 | 125,793 | 3/4 | 136,382 | 3/4 | 146,933 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/23/2015 SW
CALCULATED: 04/23/2015 CL
PRINTED: 04/24/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2015

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "DBL 109"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-01 1/2"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|---------|-----|---------|
| 0 | 27 | 0 | 10,806 | 0 | 22,515 | 0 | 34,550 | 0 | 46,584 | 0 | 58,619 | 0 | 70,653 | 0 | 82,688 | 0 | 94,721 | 0 | 106,750 |
| 1/4 | 77 | 1/4 | 11,056 | 1/4 | 22,766 | 1/4 | 34,800 | 1/4 | 46,835 | 1/4 | 58,869 | 1/4 | 70,904 | 1/4 | 82,938 | 1/4 | 94,972 | 1/4 | 107,001 |
| 1/2 | 128 | 1/2 | 11,307 | 1/2 | 23,017 | 1/2 | 35,051 | 1/2 | 47,086 | 1/2 | 59,120 | 1/2 | 71,155 | 1/2 | 83,189 | 1/2 | 95,222 | 1/2 | 107,251 |
| 3/4 | 178 | 3/4 | 11,557 | 3/4 | 23,267 | 3/4 | 35,302 | 3/4 | 47,336 | 3/4 | 59,371 | 3/4 | 71,405 | 3/4 | 83,440 | 3/4 | 95,473 | 3/4 | 107,502 |
| 1 | 228 | 1 | 11,808 | 1 | 23,518 | 1 | 35,553 | 1 | 47,587 | 1 | 59,622 | 1 | 71,656 | 1 | 83,691 | 1 | 95,724 | 1 | 107,752 |
| 1/4 | 378 | 1/4 | 12,051 | 1/4 | 23,769 | 1/4 | 35,803 | 1/4 | 47,838 | 1/4 | 59,872 | 1/4 | 71,907 | 1/4 | 83,941 | 1/4 | 95,974 | 1/4 | 108,003 |
| 1/2 | 529 | 1/2 | 12,294 | 1/2 | 24,019 | 1/2 | 36,054 | 1/2 | 48,088 | 1/2 | 60,123 | 1/2 | 72,157 | 1/2 | 84,192 | 1/2 | 96,225 | 1/2 | 108,254 |
| 3/4 | 679 | 3/4 | 12,537 | 3/4 | 24,270 | 3/4 | 36,305 | 3/4 | 48,339 | 3/4 | 60,374 | 3/4 | 72,408 | 3/4 | 84,443 | 3/4 | 96,475 | 3/4 | 108,504 |
| 2 | 830 | 2 | 12,780 | 2 | 24,521 | 2 | 36,555 | 2 | 48,590 | 2 | 60,624 | 2 | 72,659 | 2 | 84,693 | 2 | 96,726 | 2 | 108,755 |
| 1/4 | 1,068 | 1/4 | 13,023 | 1/4 | 24,772 | 1/4 | 36,806 | 1/4 | 48,841 | 1/4 | 60,875 | 1/4 | 72,910 | 1/4 | 84,944 | 1/4 | 96,977 | 1/4 | 109,005 |
| 1/2 | 1,306 | 1/2 | 13,266 | 1/2 | 25,022 | 1/2 | 37,057 | 1/2 | 49,091 | 1/2 | 61,126 | 1/2 | 73,160 | 1/2 | 85,195 | 1/2 | 97,227 | 1/2 | 109,256 |
| 3/4 | 1,544 | 3/4 | 13,509 | 3/4 | 25,273 | 3/4 | 37,308 | 3/4 | 49,342 | 3/4 | 61,377 | 3/4 | 73,411 | 3/4 | 85,446 | 3/4 | 97,478 | 3/4 | 109,507 |
| 3 | 1,783 | 3 | 13,752 | 3 | 25,524 | 3 | 37,558 | 3 | 49,593 | 3 | 61,627 | 3 | 73,662 | 3 | 85,696 | 3 | 97,728 | 3 | 109,757 |
| 1/4 | 2,033 | 1/4 | 13,995 | 1/4 | 25,774 | 1/4 | 37,809 | 1/4 | 49,844 | 1/4 | 61,878 | 1/4 | 73,913 | 1/4 | 85,947 | 1/4 | 97,979 | 1/4 | 110,008 |
| 1/2 | 2,284 | 1/2 | 14,237 | 1/2 | 26,025 | 1/2 | 38,060 | 1/2 | 50,094 | 1/2 | 62,129 | 1/2 | 74,163 | 1/2 | 86,198 | 1/2 | 98,230 | 1/2 | 110,258 |
| 3/4 | 2,535 | 3/4 | 14,479 | 3/4 | 26,276 | 3/4 | 38,310 | 3/4 | 50,345 | 3/4 | 62,379 | 3/4 | 74,414 | 3/4 | 86,448 | 3/4 | 98,480 | 3/4 | 110,509 |
| 4 | 2,785 | 4 | 14,722 | 4 | 26,527 | 4 | 38,561 | 4 | 50,596 | 4 | 62,630 | 4 | 74,665 | 4 | 86,699 | 4 | 98,731 | 4 | 110,760 |
| 1/4 | 3,036 | 1/4 | 14,964 | 1/4 | 26,777 | 1/4 | 38,812 | 1/4 | 50,846 | 1/4 | 62,881 | 1/4 | 74,915 | 1/4 | 86,950 | 1/4 | 98,981 | 1/4 | 111,010 |
| 1/2 | 3,287 | 1/2 | 15,207 | 1/2 | 27,028 | 1/2 | 39,063 | 1/2 | 51,097 | 1/2 | 63,132 | 1/2 | 75,166 | 1/2 | 87,201 | 1/2 | 99,232 | 1/2 | 111,261 |
| 3/4 | 3,537 | 3/4 | 15,449 | 3/4 | 27,279 | 3/4 | 39,313 | 3/4 | 51,348 | 3/4 | 63,382 | 3/4 | 75,417 | 3/4 | 87,451 | 3/4 | 99,483 | 3/4 | 111,511 |
| 5 | 3,788 | 5 | 15,692 | 5 | 27,530 | 5 | 39,564 | 5 | 51,599 | 5 | 63,633 | 5 | 75,668 | 5 | 87,702 | 5 | 99,733 | 5 | 111,762 |
| 1/4 | 4,039 | 1/4 | 15,934 | 1/4 | 27,780 | 1/4 | 39,815 | 1/4 | 51,849 | 1/4 | 63,884 | 1/4 | 75,918 | 1/4 | 87,953 | 1/4 | 99,984 | 1/4 | 112,013 |
| 1/2 | 4,290 | 1/2 | 16,177 | 1/2 | 28,031 | 1/2 | 40,065 | 1/2 | 52,100 | 1/2 | 64,134 | 1/2 | 76,169 | 1/2 | 88,204 | 1/2 | 100,234 | 1/2 | 112,263 |
| 3/4 | 4,540 | 3/4 | 16,419 | 3/4 | 28,282 | 3/4 | 40,316 | 3/4 | 52,351 | 3/4 | 64,385 | 3/4 | 76,420 | 3/4 | 88,454 | 3/4 | 100,485 | 3/4 | 112,514 |
| 6 | 4,791 | 6 | 16,662 | 6 | 28,532 | 6 | 40,567 | 6 | 52,601 | 6 | 64,636 | 6 | 76,670 | 6 | 88,705 | 6 | 100,736 | 6 | 112,764 |
| 1/4 | 5,042 | 1/4 | 16,904 | 1/4 | 28,783 | 1/4 | 40,818 | 1/4 | 52,852 | 1/4 | 64,887 | 1/4 | 76,921 | 1/4 | 88,956 | 1/4 | 100,986 | 1/4 | 113,015 |
| 1/2 | 5,292 | 1/2 | 17,147 | 1/2 | 29,034 | 1/2 | 41,068 | 1/2 | 53,103 | 1/2 | 65,137 | 1/2 | 77,172 | 1/2 | 89,206 | 1/2 | 101,237 | 1/2 | 113,266 |
| 3/4 | 5,543 | 3/4 | 17,389 | 3/4 | 29,285 | 3/4 | 41,319 | 3/4 | 53,354 | 3/4 | 65,388 | 3/4 | 77,423 | 3/4 | 89,457 | 3/4 | 101,487 | 3/4 | 113,516 |
| 7 | 5,794 | 7 | 17,632 | 7 | 29,535 | 7 | 41,570 | 7 | 53,604 | 7 | 65,639 | 7 | 77,673 | 7 | 89,708 | 7 | 101,738 | 7 | 113,767 |
| 1/4 | 6,045 | 1/4 | 17,875 | 1/4 | 29,786 | 1/4 | 41,821 | 1/4 | 53,855 | 1/4 | 65,890 | 1/4 | 77,924 | 1/4 | 89,959 | 1/4 | 101,989 | 1/4 | 114,017 |
| 1/2 | 6,295 | 1/2 | 18,117 | 1/2 | 30,037 | 1/2 | 42,071 | 1/2 | 54,106 | 1/2 | 66,140 | 1/2 | 78,175 | 1/2 | 90,209 | 1/2 | 102,239 | 1/2 | 114,268 |
| 3/4 | 6,546 | 3/4 | 18,360 | 3/4 | 30,287 | 3/4 | 42,322 | 3/4 | 54,356 | 3/4 | 66,391 | 3/4 | 78,425 | 3/4 | 90,460 | 3/4 | 102,490 | 3/4 | 114,519 |
| 8 | 6,797 | 8 | 18,602 | 8 | 30,538 | 8 | 42,573 | 8 | 54,607 | 8 | 66,642 | 8 | 78,676 | 8 | 90,711 | 8 | 102,740 | 8 | 114,769 |
| 1/4 | 7,047 | 1/4 | 18,845 | 1/4 | 30,789 | 1/4 | 42,823 | 1/4 | 54,858 | 1/4 | 66,892 | 1/4 | 78,927 | 1/4 | 90,961 | 1/4 | 102,991 | 1/4 | 115,020 |
| 1/2 | 7,298 | 1/2 | 19,087 | 1/2 | 31,040 | 1/2 | 43,074 | 1/2 | 55,109 | 1/2 | 67,143 | 1/2 | 79,178 | 1/2 | 91,212 | 1/2 | 103,242 | 1/2 | 115,270 |
| 3/4 | 7,548 | 3/4 | 19,330 | 3/4 | 31,290 | 3/4 | 43,325 | 3/4 | 55,359 | 3/4 | 67,394 | 3/4 | 79,428 | 3/4 | 91,463 | 3/4 | 103,492 | 3/4 | 115,521 |
| 9 | 7,799 | 9 | 19,572 | 9 | 31,541 | 9 | 43,576 | 9 | 55,610 | 9 | 67,645 | 9 | 79,679 | 9 | 91,714 | 9 | 103,743 | 9 | 115,771 |
| 1/4 | 8,050 | 1/4 | 19,815 | 1/4 | 31,792 | 1/4 | 43,826 | 1/4 | 55,861 | 1/4 | 67,895 | 1/4 | 79,930 | 1/4 | 91,964 | 1/4 | 103,993 | 1/4 | 116,022 |
| 1/2 | 8,300 | 1/2 | 20,057 | 1/2 | 32,042 | 1/2 | 44,077 | 1/2 | 56,111 | 1/2 | 68,146 | 1/2 | 80,181 | 1/2 | 92,215 | 1/2 | 104,244 | 1/2 | 116,273 |
| 3/4 | 8,551 | 3/4 | 20,300 | 3/4 | 32,293 | 3/4 | 44,328 | 3/4 | 56,362 | 3/4 | 68,397 | 3/4 | 80,431 | 3/4 | 92,466 | 3/4 | 104,495 | 3/4 | 116,523 |
| 10 | 8,801 | 10 | 20,542 | 10 | 32,544 | 10 | 44,578 | 10 | 56,613 | 10 | 68,647 | 10 | 80,682 | 10 | 92,716 | 10 | 104,745 | 10 | 116,774 |
| 1/4 | 9,052 | 1/4 | 20,785 | 1/4 | 32,795 | 1/4 | 44,829 | 1/4 | 56,864 | 1/4 | 68,898 | 1/4 | 80,933 | 1/4 | 92,967 | 1/4 | 104,996 | 1/4 | 117,024 |
| 1/2 | 9,302 | 1/2 | 21,027 | 1/2 | 33,045 | 1/2 | 45,080 | 1/2 | 57,114 | 1/2 | 69,149 | 1/2 | 81,183 | 1/2 | 93,218 | 1/2 | 105,246 | 1/2 | 117,275 |
| 3/4 | 9,553 | 3/4 | 21,270 | 3/4 | 33,296 | 3/4 | 45,331 | 3/4 | 57,365 | 3/4 | 69,400 | 3/4 | 81,434 | 3/4 | 93,468 | 3/4 | 105,497 | 3/4 | 117,526 |
| 11 | 9,804 | 11 | 21,512 | 11 | 33,547 | 11 | 45,581 | 11 | 57,616 | 11 | 69,650 | 11 | 81,685 | 11 | 93,719 | 11 | 105,748 | 11 | 117,776 |
| 1/4 | 10,054 | 1/4 | 21,763 | 1/4 | 33,797 | 1/4 | 45,832 | 1/4 | 57,867 | 1/4 | 69,901 | 1/4 | 81,936 | 1/4 | 93,969 | 1/4 | 105,998 | 1/4 | 118,027 |
| 1/2 | 10,305 | 1/2 | 22,014 | 1/2 | 34,048 | 1/2 | 46,083 | 1/2 | 58,117 | 1/2 | 70,152 | 1/2 | 82,186 | 1/2 | 94,220 | 1/2 | 106,249 | 1/2 | 118,277 |
| 3/4 | 10,555 | 3/4 | 22,264 | 3/4 | 34,299 | 3/4 | 46,333 | 3/4 | 58,368 | 3/4 | 70,402 | 3/4 | 82,437 | 3/4 | 94,471 | 3/4 | 106,499 | 3/4 | 118,528 |

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 1'-00" OFF 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 109"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-01 1/2"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 118,779 | 0 | 130,807 | 0 | 142,836 | 0 | 154,865 | 0 | 166,847 | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 119,029 | 1/4 | 131,058 | 1/4 | 143,087 | 1/4 | 155,115 | 1/4 | 167,095 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 119,280 | 1/2 | 131,309 | 1/2 | 143,337 | 1/2 | 155,366 | 1/2 | 167,343 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 119,530 | 3/4 | 131,559 | 3/4 | 143,588 | 3/4 | 155,617 | 3/4 | 167,592 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 119,781 | 1 | 131,810 | 1 | 143,838 | 1 | 155,867 | 1 | 167,840 | 1 | | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 120,032 | 1/4 | 132,060 | 1/4 | 144,089 | 1/4 | 156,118 | 1/4 | 168,088 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 120,282 | 1/2 | 132,311 | 1/2 | 144,340 | 1/2 | 156,368 | 1/2 | 168,337 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 120,533 | 3/4 | 132,562 | 3/4 | 144,590 | 3/4 | 156,619 | 3/4 | 168,585 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 120,783 | 2 | 132,812 | 2 | 144,841 | 2 | 156,870 | 2 | 168,833 | 2 | | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 121,034 | 1/4 | 133,063 | 1/4 | 145,091 | 1/4 | 157,120 | 1/4 | 169,081 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 121,285 | 1/2 | 133,313 | 1/2 | 145,342 | 1/2 | 157,371 | 1/2 | 169,330 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 121,535 | 3/4 | 133,564 | 3/4 | 145,593 | 3/4 | 157,621 | 3/4 | 169,578 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 121,786 | 3 | 133,815 | 3 | 145,843 | 3 | 157,872 | 3 | 169,826 | 3 | | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 122,036 | 1/4 | 134,065 | 1/4 | 146,094 | 1/4 | 158,123 | 1/4 | 170,074 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 122,287 | 1/2 | 134,316 | 1/2 | 146,344 | 1/2 | 158,373 | 1/2 | 170,323 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 122,538 | 3/4 | 134,566 | 3/4 | 146,595 | 3/4 | 158,624 | 3/4 | 170,571 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 122,788 | 4 | 134,817 | 4 | 146,846 | 4 | 158,874 | 4 | 170,819 | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 123,039 | 1/4 | 135,068 | 1/4 | 147,096 | 1/4 | 159,125 | 1/4 | 171,068 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 123,289 | 1/2 | 135,318 | 1/2 | 147,347 | 1/2 | 159,376 | 1/2 | 171,316 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 123,540 | 3/4 | 135,569 | 3/4 | 147,597 | 3/4 | 159,626 | 3/4 | 171,564 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 123,791 | 5 | 135,819 | 5 | 147,848 | 5 | 159,877 | 5 | 171,812 | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 124,041 | 1/4 | 136,070 | 1/4 | 148,099 | 1/4 | 160,127 | 1/4 | 172,057 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 124,292 | 1/2 | 136,321 | 1/2 | 148,349 | 1/2 | 160,378 | 1/2 | 172,302 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 124,542 | 3/4 | 136,571 | 3/4 | 148,600 | 3/4 | 160,629 | 3/4 | 172,548 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 124,793 | 6 | 136,822 | 6 | 148,850 | 6 | 160,879 | 6 | 172,793 | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 125,044 | 1/4 | 137,072 | 1/4 | 149,101 | 1/4 | 161,130 | 1/4 | 173,038 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 125,294 | 1/2 | 137,323 | 1/2 | 149,352 | 1/2 | 161,380 | 1/2 | 173,283 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 125,545 | 3/4 | 137,574 | 3/4 | 149,602 | 3/4 | 161,631 | 3/4 | 173,528 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 125,795 | 7 | 137,824 | 7 | 149,853 | 7 | 161,882 | 7 | 173,773 | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 126,046 | 1/4 | 138,075 | 1/4 | 150,103 | 1/4 | 162,130 | 1/4 | 174,018 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 126,297 | 1/2 | 138,325 | 1/2 | 150,354 | 1/2 | 162,378 | 1/2 | 174,263 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 126,547 | 3/4 | 138,576 | 3/4 | 150,605 | 3/4 | 162,626 | 3/4 | 174,508 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 126,798 | 8 | 138,827 | 8 | 150,855 | 8 | 162,875 | 8 | 174,753 | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 127,048 | 1/4 | 139,077 | 1/4 | 151,106 | 1/4 | 163,123 | 1/4 | 174,998 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 127,299 | 1/2 | 139,328 | 1/2 | 151,356 | 1/2 | 163,371 | 1/2 | 175,243 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 127,550 | 3/4 | 139,578 | 3/4 | 151,607 | 3/4 | 163,619 | 3/4 | 175,488 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 127,800 | 9 | 139,829 | 9 | 151,858 | 9 | 163,868 | 9 | 175,733 | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 128,051 | 1/4 | 140,080 | 1/4 | 152,108 | 1/4 | 164,116 | 1/4 | 175,978 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 128,301 | 1/2 | 140,330 | 1/2 | 152,359 | 1/2 | 164,364 | 1/2 | 176,223 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 128,552 | 3/4 | 140,581 | 3/4 | 152,609 | 3/4 | 164,613 | 3/4 | 176,468 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 128,803 | 10 | 140,831 | 10 | 152,860 | 10 | 164,861 | 10 | 176,712 | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 129,053 | 1/4 | 141,082 | 1/4 | 153,111 | 1/4 | 165,109 | 1/4 | 176,957 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 129,304 | 1/2 | 141,333 | 1/2 | 153,361 | 1/2 | 165,357 | 1/2 | 177,202 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 129,554 | 3/4 | 141,583 | 3/4 | 153,612 | 3/4 | 165,606 | 3/4 | 177,447 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 129,805 | 11 | 141,834 | 11 | 153,862 | 11 | 165,854 | 11 | 177,691 | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 130,056 | 1/4 | 142,084 | 1/4 | 154,113 | 1/4 | 166,102 | 1/4 | 177,936 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 130,306 | 1/2 | 142,335 | 1/2 | 154,364 | 1/2 | 166,350 | 1/2 | 178,181 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 130,557 | 3/4 | 142,585 | 3/4 | 154,614 | 3/4 | 166,599 | 3/4 | 178,426 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/23/2015 SW
CALCULATED: 04/23/2015 CL
PRINTED: 04/24/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2015

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



BARGE "DBL 109"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-01 1/4"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|-----|-------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|---------|
| 0 | 27 | 0 | 9,644 | 0 | 20,128 | 0 | 30,850 | 0 | 41,572 | 0 | 52,188 | 0 | 62,915 | 0 | 73,642 | 0 | 84,368 | 0 | 95,090 |
| 1/4 | 72 | 1/4 | 9,868 | 1/4 | 20,352 | 1/4 | 31,074 | 1/4 | 41,793 | 1/4 | 52,412 | 1/4 | 63,139 | 1/4 | 73,865 | 1/4 | 84,591 | 1/4 | 95,313 |
| 1/2 | 117 | 1/2 | 10,091 | 1/2 | 20,575 | 1/2 | 31,297 | 1/2 | 42,013 | 1/2 | 52,635 | 1/2 | 63,362 | 1/2 | 74,089 | 1/2 | 84,814 | 1/2 | 95,537 |
| 3/4 | 162 | 3/4 | 10,315 | 3/4 | 20,799 | 3/4 | 31,520 | 3/4 | 42,234 | 3/4 | 52,859 | 3/4 | 63,585 | 3/4 | 74,312 | 3/4 | 85,038 | 3/4 | 95,760 |
| 1 | 206 | 1 | 10,538 | 1 | 21,022 | 1 | 31,744 | 1 | 42,454 | 1 | 53,082 | 1 | 63,809 | 1 | 74,536 | 1 | 85,261 | 1 | 95,984 |
| 1/4 | 341 | 1/4 | 10,756 | 1/4 | 21,245 | 1/4 | 31,967 | 1/4 | 42,674 | 1/4 | 53,306 | 1/4 | 64,032 | 1/4 | 74,759 | 1/4 | 85,485 | 1/4 | 96,207 |
| 1/2 | 475 | 1/2 | 10,973 | 1/2 | 21,469 | 1/2 | 32,191 | 1/2 | 42,895 | 1/2 | 53,529 | 1/2 | 64,256 | 1/2 | 74,983 | 1/2 | 85,708 | 1/2 | 96,430 |
| 3/4 | 610 | 3/4 | 11,191 | 3/4 | 21,692 | 3/4 | 32,414 | 3/4 | 43,115 | 3/4 | 53,753 | 3/4 | 64,479 | 3/4 | 75,206 | 3/4 | 85,931 | 3/4 | 96,654 |
| 2 | 744 | 2 | 11,408 | 2 | 21,915 | 2 | 32,637 | 2 | 43,336 | 2 | 53,976 | 2 | 64,703 | 2 | 75,430 | 2 | 86,155 | 2 | 96,877 |
| 1/4 | 957 | 1/4 | 11,626 | 1/4 | 22,139 | 1/4 | 32,861 | 1/4 | 43,556 | 1/4 | 54,200 | 1/4 | 64,926 | 1/4 | 75,653 | 1/4 | 86,378 | 1/4 | 97,100 |
| 1/2 | 1,170 | 1/2 | 11,843 | 1/2 | 22,362 | 1/2 | 33,084 | 1/2 | 43,776 | 1/2 | 54,423 | 1/2 | 65,150 | 1/2 | 75,876 | 1/2 | 86,601 | 1/2 | 97,324 |
| 3/4 | 1,383 | 3/4 | 12,061 | 3/4 | 22,586 | 3/4 | 33,307 | 3/4 | 43,997 | 3/4 | 54,647 | 3/4 | 65,373 | 3/4 | 76,100 | 3/4 | 86,825 | 3/4 | 97,547 |
| 3 | 1,596 | 3 | 12,278 | 3 | 22,809 | 3 | 33,531 | 3 | 44,217 | 3 | 54,870 | 3 | 65,597 | 3 | 76,323 | 3 | 87,048 | 3 | 97,771 |
| 1/4 | 1,820 | 1/4 | 12,495 | 1/4 | 23,032 | 1/4 | 33,754 | 1/4 | 44,438 | 1/4 | 55,094 | 1/4 | 65,820 | 1/4 | 76,547 | 1/4 | 87,272 | 1/4 | 97,994 |
| 1/2 | 2,044 | 1/2 | 12,713 | 1/2 | 23,256 | 1/2 | 33,978 | 1/2 | 44,658 | 1/2 | 55,317 | 1/2 | 66,044 | 1/2 | 76,770 | 1/2 | 87,495 | 1/2 | 98,217 |
| 3/4 | 2,268 | 3/4 | 12,930 | 3/4 | 23,479 | 3/4 | 34,201 | 3/4 | 44,878 | 3/4 | 55,540 | 3/4 | 66,267 | 3/4 | 76,994 | 3/4 | 87,718 | 3/4 | 98,441 |
| 4 | 2,492 | 4 | 13,147 | 4 | 23,702 | 4 | 34,424 | 4 | 45,099 | 4 | 55,764 | 4 | 66,491 | 4 | 77,217 | 4 | 87,942 | 4 | 98,664 |
| 1/4 | 2,716 | 1/4 | 13,365 | 1/4 | 23,926 | 1/4 | 34,648 | 1/4 | 45,319 | 1/4 | 55,987 | 1/4 | 66,714 | 1/4 | 77,441 | 1/4 | 88,165 | 1/4 | 98,887 |
| 1/2 | 2,940 | 1/2 | 13,582 | 1/2 | 24,149 | 1/2 | 34,871 | 1/2 | 45,540 | 1/2 | 56,211 | 1/2 | 66,938 | 1/2 | 77,664 | 1/2 | 88,389 | 1/2 | 99,111 |
| 3/4 | 3,164 | 3/4 | 13,799 | 3/4 | 24,373 | 3/4 | 35,094 | 3/4 | 45,760 | 3/4 | 56,434 | 3/4 | 67,161 | 3/4 | 77,888 | 3/4 | 88,612 | 3/4 | 99,334 |
| 5 | 3,388 | 5 | 14,017 | 5 | 24,596 | 5 | 35,318 | 5 | 45,980 | 5 | 56,658 | 5 | 67,385 | 5 | 78,111 | 5 | 88,835 | 5 | 99,558 |
| 1/4 | 3,611 | 1/4 | 14,234 | 1/4 | 24,819 | 1/4 | 35,541 | 1/4 | 46,201 | 1/4 | 56,881 | 1/4 | 67,608 | 1/4 | 78,335 | 1/4 | 89,059 | 1/4 | 99,781 |
| 1/2 | 3,835 | 1/2 | 14,452 | 1/2 | 25,043 | 1/2 | 35,765 | 1/2 | 46,421 | 1/2 | 57,105 | 1/2 | 67,831 | 1/2 | 78,558 | 1/2 | 89,282 | 1/2 | 100,004 |
| 3/4 | 4,058 | 3/4 | 14,669 | 3/4 | 25,266 | 3/4 | 35,988 | 3/4 | 46,642 | 3/4 | 57,328 | 3/4 | 68,055 | 3/4 | 78,782 | 3/4 | 89,505 | 3/4 | 100,228 |
| 6 | 4,282 | 6 | 14,886 | 6 | 25,489 | 6 | 36,211 | 6 | 46,862 | 6 | 57,552 | 6 | 68,278 | 6 | 79,005 | 6 | 89,729 | 6 | 100,451 |
| 1/4 | 4,506 | 1/4 | 15,104 | 1/4 | 25,713 | 1/4 | 36,435 | 1/4 | 47,083 | 1/4 | 57,775 | 1/4 | 68,502 | 1/4 | 79,229 | 1/4 | 89,952 | 1/4 | 100,675 |
| 1/2 | 4,729 | 1/2 | 15,321 | 1/2 | 25,936 | 1/2 | 36,658 | 1/2 | 47,303 | 1/2 | 57,999 | 1/2 | 68,725 | 1/2 | 79,452 | 1/2 | 90,176 | 1/2 | 100,898 |
| 3/4 | 4,953 | 3/4 | 15,539 | 3/4 | 26,160 | 3/4 | 36,881 | 3/4 | 47,523 | 3/4 | 58,222 | 3/4 | 68,949 | 3/4 | 79,675 | 3/4 | 90,399 | 3/4 | 101,121 |
| 7 | 5,176 | 7 | 15,756 | 7 | 26,383 | 7 | 37,105 | 7 | 47,744 | 7 | 58,446 | 7 | 69,172 | 7 | 79,899 | 7 | 90,622 | 7 | 101,345 |
| 1/4 | 5,400 | 1/4 | 15,974 | 1/4 | 26,606 | 1/4 | 37,328 | 1/4 | 47,964 | 1/4 | 58,669 | 1/4 | 69,396 | 1/4 | 80,122 | 1/4 | 90,846 | 1/4 | 101,568 |
| 1/2 | 5,623 | 1/2 | 16,191 | 1/2 | 26,830 | 1/2 | 37,552 | 1/2 | 48,185 | 1/2 | 58,893 | 1/2 | 69,619 | 1/2 | 80,346 | 1/2 | 91,069 | 1/2 | 101,791 |
| 3/4 | 5,847 | 3/4 | 16,408 | 3/4 | 27,053 | 3/4 | 37,775 | 3/4 | 48,405 | 3/4 | 59,116 | 3/4 | 69,843 | 3/4 | 80,569 | 3/4 | 91,293 | 3/4 | 102,015 |
| 8 | 6,070 | 8 | 16,626 | 8 | 27,276 | 8 | 37,998 | 8 | 48,625 | 8 | 59,339 | 8 | 70,066 | 8 | 80,793 | 8 | 91,516 | 8 | 102,238 |
| 1/4 | 6,294 | 1/4 | 16,843 | 1/4 | 27,500 | 1/4 | 38,222 | 1/4 | 48,847 | 1/4 | 59,563 | 1/4 | 70,290 | 1/4 | 81,016 | 1/4 | 91,739 | 1/4 | 102,462 |
| 1/2 | 6,517 | 1/2 | 17,061 | 1/2 | 27,723 | 1/2 | 38,445 | 1/2 | 49,069 | 1/2 | 59,786 | 1/2 | 70,513 | 1/2 | 81,240 | 1/2 | 91,963 | 1/2 | 102,685 |
| 3/4 | 6,740 | 3/4 | 17,278 | 3/4 | 27,947 | 3/4 | 38,668 | 3/4 | 49,291 | 3/4 | 60,010 | 3/4 | 70,737 | 3/4 | 81,463 | 3/4 | 92,186 | 3/4 | 102,908 |
| 9 | 6,964 | 9 | 17,496 | 9 | 28,170 | 9 | 38,892 | 9 | 49,513 | 9 | 60,233 | 9 | 70,960 | 9 | 81,687 | 9 | 92,409 | 9 | 103,132 |
| 1/4 | 7,187 | 1/4 | 17,713 | 1/4 | 28,393 | 1/4 | 39,115 | 1/4 | 49,735 | 1/4 | 60,457 | 1/4 | 71,184 | 1/4 | 81,910 | 1/4 | 92,633 | 1/4 | 103,355 |
| 1/2 | 7,411 | 1/2 | 17,930 | 1/2 | 28,617 | 1/2 | 39,339 | 1/2 | 49,957 | 1/2 | 60,680 | 1/2 | 71,407 | 1/2 | 82,134 | 1/2 | 92,856 | 1/2 | 103,578 |
| 3/4 | 7,634 | 3/4 | 18,148 | 3/4 | 28,840 | 3/4 | 39,562 | 3/4 | 50,179 | 3/4 | 60,904 | 3/4 | 71,630 | 3/4 | 82,357 | 3/4 | 93,080 | 3/4 | 103,802 |
| 10 | 7,857 | 10 | 18,365 | 10 | 29,063 | 10 | 39,785 | 10 | 50,401 | 10 | 61,127 | 10 | 71,854 | 10 | 82,581 | 10 | 93,303 | 10 | 104,025 |
| 1/4 | 8,081 | 1/4 | 18,583 | 1/4 | 29,287 | 1/4 | 40,009 | 1/4 | 50,624 | 1/4 | 61,351 | 1/4 | 72,077 | 1/4 | 82,804 | 1/4 | 93,526 | 1/4 | 104,249 |
| 1/2 | 8,304 | 1/2 | 18,800 | 1/2 | 29,510 | 1/2 | 40,232 | 1/2 | 50,848 | 1/2 | 61,574 | 1/2 | 72,301 | 1/2 | 83,027 | 1/2 | 93,750 | 1/2 | 104,472 |
| 3/4 | 8,528 | 3/4 | 19,018 | 3/4 | 29,733 | 3/4 | 40,455 | 3/4 | 51,071 | 3/4 | 61,798 | 3/4 | 72,524 | 3/4 | 83,251 | 3/4 | 93,973 | 3/4 | 104,695 |
| 11 | 8,751 | 11 | 19,235 | 11 | 29,957 | 11 | 40,679 | 11 | 51,294 | 11 | 62,021 | 11 | 72,748 | 11 | 83,474 | 11 | 94,196 | 11 | 104,919 |
| 1/4 | 8,974 | 1/4 | 19,458 | 1/4 | 30,180 | 1/4 | 40,902 | 1/4 | 51,518 | 1/4 | 62,245 | 1/4 | 72,971 | 1/4 | 83,698 | 1/4 | 94,420 | 1/4 | 105,142 |
| 1/2 | 9,198 | 1/2 | 19,682 | 1/2 | 30,404 | 1/2 | 41,126 | 1/2 | 51,741 | 1/2 | 62,468 | 1/2 | 73,195 | 1/2 | 83,921 | 1/2 | 94,643 | 1/2 | 105,366 |
| 3/4 | 9,421 | 3/4 | 19,905 | 3/4 | 30,627 | 3/4 | 41,349 | 3/4 | 51,965 | 3/4 | 62,692 | 3/4 | 73,418 | 3/4 | 84,144 | 3/4 | 94,867 | 3/4 | 105,589 |

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 1'-00" OFF CENTERLINE AND 25'-06" FORWARD OF AFT BULKHEAD

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



BARGE "DBL 109"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-01 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 | 105,812 | 0 | 115,555 | 0 | 124,965 | 0 | 134,375 | 0 | 143,749 | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 106,036 | 1/4 | 115,751 | 1/4 | 125,161 | 1/4 | 134,571 | 1/4 | 143,944 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 106,259 | 1/2 | 115,947 | 1/2 | 125,357 | 1/2 | 134,767 | 1/2 | 144,138 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 106,482 | 3/4 | 116,143 | 3/4 | 125,553 | 3/4 | 134,963 | 3/4 | 144,332 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 106,706 | 1 | 116,339 | 1 | 125,749 | 1 | 135,159 | 1 | 144,527 | 1 | | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 106,930 | 1/4 | 116,535 | 1/4 | 125,945 | 1/4 | 135,355 | 1/4 | 144,721 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 107,154 | 1/2 | 116,731 | 1/2 | 126,141 | 1/2 | 135,551 | 1/2 | 144,915 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 107,378 | 3/4 | 116,927 | 3/4 | 126,337 | 3/4 | 135,747 | 3/4 | 145,110 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 107,602 | 2 | 117,123 | 2 | 126,533 | 2 | 135,943 | 2 | 145,304 | 2 | | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 107,826 | 1/4 | 117,319 | 1/4 | 126,729 | 1/4 | 136,139 | 1/4 | 145,498 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 108,049 | 1/2 | 117,515 | 1/2 | 126,925 | 1/2 | 136,335 | 1/2 | 145,692 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 108,273 | 3/4 | 117,711 | 3/4 | 127,121 | 3/4 | 136,531 | 3/4 | 145,887 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 108,497 | 3 | 117,907 | 3 | 127,317 | 3 | 136,727 | 3 | 146,081 | 3 | | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 108,693 | 1/4 | 118,103 | 1/4 | 127,513 | 1/4 | 136,923 | 1/4 | 146,275 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 108,889 | 1/2 | 118,299 | 1/2 | 127,709 | 1/2 | 137,119 | 1/2 | 146,470 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 109,085 | 3/4 | 118,495 | 3/4 | 127,905 | 3/4 | 137,315 | 3/4 | 146,664 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 109,281 | 4 | 118,691 | 4 | 128,101 | 4 | 137,511 | 4 | 146,858 | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 109,478 | 1/4 | 118,887 | 1/4 | 128,297 | 1/4 | 137,707 | 1/4 | 147,052 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 109,674 | 1/2 | 119,083 | 1/2 | 128,493 | 1/2 | 137,903 | 1/2 | 147,247 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 109,870 | 3/4 | 119,279 | 3/4 | 128,689 | 3/4 | 138,099 | 3/4 | 147,441 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 110,066 | 5 | 119,476 | 5 | 128,885 | 5 | 138,295 | 5 | 147,635 | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 110,262 | 1/4 | 119,672 | 1/4 | 129,081 | 1/4 | 138,491 | 1/4 | 147,827 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 110,458 | 1/2 | 119,868 | 1/2 | 129,277 | 1/2 | 138,687 | 1/2 | 148,018 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 110,654 | 3/4 | 120,064 | 3/4 | 129,474 | 3/4 | 138,883 | 3/4 | 148,210 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 110,850 | 6 | 120,260 | 6 | 129,670 | 6 | 139,079 | 6 | 148,401 | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 111,046 | 1/4 | 120,456 | 1/4 | 129,866 | 1/4 | 139,275 | 1/4 | 148,592 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 111,242 | 1/2 | 120,652 | 1/2 | 130,062 | 1/2 | 139,472 | 1/2 | 148,784 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 111,438 | 3/4 | 120,848 | 3/4 | 130,258 | 3/4 | 139,668 | 3/4 | 148,975 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 111,634 | 7 | 121,044 | 7 | 130,454 | 7 | 139,864 | 7 | 149,167 | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 111,830 | 1/4 | 121,240 | 1/4 | 130,650 | 1/4 | 140,058 | 1/4 | 149,358 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 112,026 | 1/2 | 121,436 | 1/2 | 130,846 | 1/2 | 140,252 | 1/2 | 149,550 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 112,222 | 3/4 | 121,632 | 3/4 | 131,042 | 3/4 | 140,446 | 3/4 | 149,741 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 112,418 | 8 | 121,828 | 8 | 131,238 | 8 | 140,641 | 8 | 149,932 | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 112,614 | 1/4 | 122,024 | 1/4 | 131,434 | 1/4 | 140,835 | 1/4 | 150,124 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 112,810 | 1/2 | 122,220 | 1/2 | 131,630 | 1/2 | 141,029 | 1/2 | 150,315 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 113,006 | 3/4 | 122,416 | 3/4 | 131,826 | 3/4 | 141,224 | 3/4 | 150,507 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 113,202 | 9 | 122,612 | 9 | 132,022 | 9 | 141,418 | 9 | 150,698 | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 113,398 | 1/4 | 122,808 | 1/4 | 132,218 | 1/4 | 141,612 | 1/4 | 150,800 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 113,594 | 1/2 | 123,004 | 1/2 | 132,414 | 1/2 | 141,807 | 1/2 | 150,902 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 113,790 | 3/4 | 123,200 | 3/4 | 132,610 | 3/4 | 142,001 | 3/4 | 151,003 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 113,986 | 10 | 123,396 | 10 | 132,806 | 10 | 142,195 | 10 | 151,105 | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 114,182 | 1/4 | 123,592 | 1/4 | 133,002 | 1/4 | 142,389 | 1/4 | 151,150 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 114,379 | 1/2 | 123,788 | 1/2 | 133,198 | 1/2 | 142,584 | 1/2 | 151,195 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 114,575 | 3/4 | 123,984 | 3/4 | 133,394 | 3/4 | 142,778 | 3/4 | 151,240 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 114,771 | 11 | 124,180 | 11 | 133,590 | 11 | 142,972 | 11 | 151,284 | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 114,967 | 1/4 | 124,377 | 1/4 | 133,786 | 1/4 | 143,167 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 115,163 | 1/2 | 124,573 | 1/2 | 133,982 | 1/2 | 143,361 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 115,359 | 3/4 | 124,769 | 3/4 | 134,178 | 3/4 | 143,555 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/23/2015 SW
CALCULATED: 04/23/2015 CL
PRINTED: 04/24/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2015

PRECISION MEASUREMENT
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