



BARGE "DBL 96"

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

LENGTH BETWEEN DRAFT MARKS: 162'-03"

May 2, 2013

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "DBL 96"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 18'-10 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 | | 142,993 | 0 | 133,646 | 0 | 124,273 | 0 | 114,899 | 0 | 105,031 | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 150,970 | 1/4 | 142,800 | 1/4 | 133,451 | 1/4 | 124,077 | 1/4 | 114,704 | 1/4 | 104,807 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 150,948 | 1/2 | 142,606 | 1/2 | 133,256 | 1/2 | 123,882 | 1/2 | 114,509 | 1/2 | 104,583 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 150,925 | 3/4 | 142,413 | 3/4 | 133,060 | 3/4 | 123,687 | 3/4 | 114,313 | 3/4 | 104,359 |
| 1 | | 1 | | 1 | | 1 | | 1 | 150,869 | 1 | 142,219 | 1 | 132,865 | 1 | 123,492 | 1 | 114,118 | 1 | 104,135 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 150,813 | 1/4 | 142,026 | 1/4 | 132,670 | 1/4 | 123,296 | 1/4 | 113,923 | 1/4 | 103,911 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 150,758 | 1/2 | 141,832 | 1/2 | 132,474 | 1/2 | 123,101 | 1/2 | 113,727 | 1/2 | 103,687 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 150,702 | 3/4 | 141,639 | 3/4 | 132,279 | 3/4 | 122,906 | 3/4 | 113,532 | 3/4 | 103,463 |
| 2 | | 2 | | 2 | | 2 | | 2 | 150,556 | 2 | 141,445 | 2 | 132,084 | 2 | 122,710 | 2 | 113,337 | 2 | 103,239 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 150,411 | 1/4 | 141,252 | 1/4 | 131,889 | 1/4 | 122,515 | 1/4 | 113,142 | 1/4 | 103,014 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 150,265 | 1/2 | 141,058 | 1/2 | 131,693 | 1/2 | 122,320 | 1/2 | 112,946 | 1/2 | 102,790 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 150,120 | 3/4 | 140,865 | 3/4 | 131,498 | 3/4 | 122,125 | 3/4 | 112,751 | 3/4 | 102,566 |
| 3 | | 3 | | 3 | | 3 | | 3 | 149,929 | 3 | 140,671 | 3 | 131,303 | 3 | 121,929 | 3 | 112,556 | 3 | 102,342 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 149,738 | 1/4 | 140,478 | 1/4 | 131,108 | 1/4 | 121,734 | 1/4 | 112,360 | 1/4 | 102,118 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 149,548 | 1/2 | 140,284 | 1/2 | 130,912 | 1/2 | 121,539 | 1/2 | 112,165 | 1/2 | 101,894 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 149,357 | 3/4 | 140,090 | 3/4 | 130,717 | 3/4 | 121,343 | 3/4 | 111,970 | 3/4 | 101,670 |
| 4 | | 4 | | 4 | | 4 | | 4 | 149,166 | 4 | 139,895 | 4 | 130,522 | 4 | 121,148 | 4 | 111,775 | 4 | 101,446 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 148,976 | 1/4 | 139,700 | 1/4 | 130,326 | 1/4 | 120,953 | 1/4 | 111,579 | 1/4 | 101,222 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 148,785 | 1/2 | 139,505 | 1/2 | 130,131 | 1/2 | 120,758 | 1/2 | 111,384 | 1/2 | 100,998 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 148,594 | 3/4 | 139,309 | 3/4 | 129,936 | 3/4 | 120,562 | 3/4 | 111,189 | 3/4 | 100,773 |
| 5 | | 5 | | 5 | | 5 | | 5 | 148,404 | 5 | 139,114 | 5 | 129,741 | 5 | 120,367 | 5 | 110,994 | 5 | 100,549 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 148,213 | 1/4 | 138,919 | 1/4 | 129,545 | 1/4 | 120,172 | 1/4 | 110,798 | 1/4 | 100,325 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 148,023 | 1/2 | 138,723 | 1/2 | 129,350 | 1/2 | 119,976 | 1/2 | 110,603 | 1/2 | 100,101 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 147,832 | 3/4 | 138,528 | 3/4 | 129,155 | 3/4 | 119,781 | 3/4 | 110,408 | 3/4 | 99,877 |
| 6 | | 6 | | 6 | | 6 | | 6 | 147,638 | 6 | 138,333 | 6 | 128,959 | 6 | 119,586 | 6 | 110,212 | 6 | 99,653 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 147,445 | 1/4 | 138,138 | 1/4 | 128,764 | 1/4 | 119,391 | 1/4 | 110,017 | 1/4 | 99,429 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 147,251 | 1/2 | 137,942 | 1/2 | 128,569 | 1/2 | 119,195 | 1/2 | 109,822 | 1/2 | 99,205 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 147,058 | 3/4 | 137,747 | 3/4 | 128,374 | 3/4 | 119,000 | 3/4 | 109,627 | 3/4 | 98,981 |
| 7 | | 7 | | 7 | | 7 | | 7 | 146,864 | 7 | 137,552 | 7 | 128,178 | 7 | 118,805 | 7 | 109,431 | 7 | 98,757 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 146,671 | 1/4 | 137,357 | 1/4 | 127,983 | 1/4 | 118,609 | 1/4 | 109,236 | 1/4 | 98,532 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 146,477 | 1/2 | 137,161 | 1/2 | 127,788 | 1/2 | 118,414 | 1/2 | 109,041 | 1/2 | 98,308 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 146,284 | 3/4 | 136,966 | 3/4 | 127,592 | 3/4 | 118,219 | 3/4 | 108,845 | 3/4 | 98,084 |
| 8 | | 8 | | 8 | | 8 | | 8 | 146,090 | 8 | 136,771 | 8 | 127,397 | 8 | 118,024 | 8 | 108,621 | 8 | 97,860 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 145,897 | 1/4 | 136,575 | 1/4 | 127,202 | 1/4 | 117,828 | 1/4 | 108,396 | 1/4 | 97,636 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 145,703 | 1/2 | 136,380 | 1/2 | 127,007 | 1/2 | 117,633 | 1/2 | 108,171 | 1/2 | 97,412 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 145,509 | 3/4 | 136,185 | 3/4 | 126,811 | 3/4 | 117,438 | 3/4 | 107,947 | 3/4 | 97,188 |
| 9 | | 9 | | 9 | | 9 | | 9 | 145,316 | 9 | 135,990 | 9 | 126,616 | 9 | 117,243 | 9 | 107,722 | 9 | 96,964 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 145,122 | 1/4 | 135,794 | 1/4 | 126,421 | 1/4 | 117,047 | 1/4 | 107,497 | 1/4 | 96,740 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 144,929 | 1/2 | 135,599 | 1/2 | 126,225 | 1/2 | 116,852 | 1/2 | 107,273 | 1/2 | 96,516 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 144,735 | 3/4 | 135,404 | 3/4 | 126,030 | 3/4 | 116,657 | 3/4 | 107,048 | 3/4 | 96,291 |
| 10 | | 10 | | 10 | | 10 | | 10 | 144,542 | 10 | 135,208 | 10 | 125,835 | 10 | 116,461 | 10 | 106,824 | 10 | 96,067 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 144,348 | 1/4 | 135,013 | 1/4 | 125,640 | 1/4 | 116,266 | 1/4 | 106,600 | 1/4 | 95,843 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 144,155 | 1/2 | 134,818 | 1/2 | 125,444 | 1/2 | 116,071 | 1/2 | 106,376 | 1/2 | 95,619 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 143,961 | 3/4 | 134,623 | 3/4 | 125,249 | 3/4 | 115,876 | 3/4 | 106,152 | 3/4 | 95,395 |
| 11 | | 11 | | 11 | | 11 | | 11 | 143,768 | 11 | 134,427 | 11 | 125,054 | 11 | 115,680 | 11 | 105,928 | 11 | 95,171 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 143,574 | 1/4 | 134,232 | 1/4 | 124,859 | 1/4 | 115,485 | 1/4 | 105,704 | 1/4 | 94,947 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 143,381 | 1/2 | 134,037 | 1/2 | 124,663 | 1/2 | 115,290 | 1/2 | 105,479 | 1/2 | 94,723 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 143,187 | 3/4 | 133,841 | 3/4 | 124,468 | 3/4 | 115,094 | 3/4 | 105,255 | 3/4 | 94,499 |

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

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 26'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "DBL 96"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 18'-10 3/4"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 94,275 | 0 | 83,518 | 0 | 72,757 | 0 | 61,996 | 0 | 51,235 | 0 | 40,585 | 0 | 29,829 | 0 | 19,078 | 0 | 8,554 | 0 | |
| 1/4 | 94,051 | 1/4 | 83,294 | 1/4 | 72,533 | 1/4 | 61,772 | 1/4 | 51,011 | 1/4 | 40,361 | 1/4 | 29,605 | 1/4 | 18,860 | 1/4 | 8,330 | 1/4 | |
| 1/2 | 93,826 | 1/2 | 83,070 | 1/2 | 72,309 | 1/2 | 61,548 | 1/2 | 50,787 | 1/2 | 40,137 | 1/2 | 29,381 | 1/2 | 18,642 | 1/2 | 8,106 | 1/2 | |
| 3/4 | 93,602 | 3/4 | 82,846 | 3/4 | 72,085 | 3/4 | 61,324 | 3/4 | 50,562 | 3/4 | 39,913 | 3/4 | 29,157 | 3/4 | 18,424 | 3/4 | 7,882 | 3/4 | |
| 1 | 93,378 | 1 | 82,621 | 1 | 71,860 | 1 | 61,099 | 1 | 50,340 | 1 | 39,689 | 1 | 28,932 | 1 | 18,206 | 1 | 7,658 | 1 | |
| 1/4 | 93,154 | 1/4 | 82,397 | 1/4 | 71,636 | 1/4 | 60,875 | 1/4 | 50,117 | 1/4 | 39,465 | 1/4 | 28,708 | 1/4 | 17,988 | 1/4 | 7,434 | 1/4 | |
| 1/2 | 92,930 | 1/2 | 82,173 | 1/2 | 71,412 | 1/2 | 60,651 | 1/2 | 49,895 | 1/2 | 39,241 | 1/2 | 28,484 | 1/2 | 17,770 | 1/2 | 7,210 | 1/2 | |
| 3/4 | 92,706 | 3/4 | 81,949 | 3/4 | 71,188 | 3/4 | 60,427 | 3/4 | 49,672 | 3/4 | 39,017 | 3/4 | 28,260 | 3/4 | 17,552 | 3/4 | 6,985 | 3/4 | |
| 2 | 92,482 | 2 | 81,725 | 2 | 70,964 | 2 | 60,203 | 2 | 49,449 | 2 | 38,792 | 2 | 28,036 | 2 | 17,333 | 2 | 6,761 | 2 | |
| 1/4 | 92,258 | 1/4 | 81,501 | 1/4 | 70,739 | 1/4 | 59,978 | 1/4 | 49,227 | 1/4 | 38,568 | 1/4 | 27,812 | 1/4 | 17,115 | 1/4 | 6,537 | 1/4 | |
| 1/2 | 92,034 | 1/2 | 81,276 | 1/2 | 70,515 | 1/2 | 59,754 | 1/2 | 49,004 | 1/2 | 38,344 | 1/2 | 27,588 | 1/2 | 16,897 | 1/2 | 6,313 | 1/2 | |
| 3/4 | 91,810 | 3/4 | 81,052 | 3/4 | 70,291 | 3/4 | 59,530 | 3/4 | 48,782 | 3/4 | 38,120 | 3/4 | 27,364 | 3/4 | 16,679 | 3/4 | 6,089 | 3/4 | |
| 3 | 91,585 | 3 | 80,828 | 3 | 70,067 | 3 | 59,306 | 3 | 48,560 | 3 | 37,896 | 3 | 27,140 | 3 | 16,461 | 3 | 5,865 | 3 | |
| 1/4 | 91,361 | 1/4 | 80,604 | 1/4 | 69,843 | 1/4 | 59,082 | 1/4 | 48,339 | 1/4 | 37,672 | 1/4 | 26,916 | 1/4 | 16,243 | 1/4 | 5,641 | 1/4 | |
| 1/2 | 91,137 | 1/2 | 80,380 | 1/2 | 69,619 | 1/2 | 58,857 | 1/2 | 48,118 | 1/2 | 37,448 | 1/2 | 26,692 | 1/2 | 16,025 | 1/2 | 5,416 | 1/2 | |
| 3/4 | 90,913 | 3/4 | 80,155 | 3/4 | 69,394 | 3/4 | 58,633 | 3/4 | 47,897 | 3/4 | 37,224 | 3/4 | 26,467 | 3/4 | 15,806 | 3/4 | 5,192 | 3/4 | |
| 4 | 90,689 | 4 | 79,931 | 4 | 69,170 | 4 | 58,409 | 4 | 47,676 | 4 | 37,000 | 4 | 26,243 | 4 | 15,588 | 4 | 4,968 | 4 | |
| 1/4 | 90,465 | 1/4 | 79,707 | 1/4 | 68,946 | 1/4 | 58,185 | 1/4 | 47,455 | 1/4 | 36,776 | 1/4 | 26,019 | 1/4 | 15,370 | 1/4 | 4,744 | 1/4 | |
| 1/2 | 90,241 | 1/2 | 79,483 | 1/2 | 68,722 | 1/2 | 57,961 | 1/2 | 47,234 | 1/2 | 36,552 | 1/2 | 25,795 | 1/2 | 15,152 | 1/2 | 4,519 | 1/2 | |
| 3/4 | 90,017 | 3/4 | 79,259 | 3/4 | 68,498 | 3/4 | 57,737 | 3/4 | 47,013 | 3/4 | 36,327 | 3/4 | 25,571 | 3/4 | 14,934 | 3/4 | 4,295 | 3/4 | |
| 5 | 89,793 | 5 | 79,034 | 5 | 68,273 | 5 | 57,512 | 5 | 46,791 | 5 | 36,103 | 5 | 25,347 | 5 | 14,716 | 5 | 4,071 | 5 | |
| 1/4 | 89,569 | 1/4 | 78,810 | 1/4 | 68,049 | 1/4 | 57,288 | 1/4 | 46,570 | 1/4 | 35,879 | 1/4 | 25,123 | 1/4 | 14,498 | 1/4 | 3,847 | 1/4 | |
| 1/2 | 89,344 | 1/2 | 78,586 | 1/2 | 67,825 | 1/2 | 57,064 | 1/2 | 46,349 | 1/2 | 35,655 | 1/2 | 24,899 | 1/2 | 14,279 | 1/2 | 3,622 | 1/2 | |
| 3/4 | 89,120 | 3/4 | 78,362 | 3/4 | 67,601 | 3/4 | 56,840 | 3/4 | 46,128 | 3/4 | 35,431 | 3/4 | 24,675 | 3/4 | 14,061 | 3/4 | 3,398 | 3/4 | |
| 6 | 88,896 | 6 | 78,138 | 6 | 67,377 | 6 | 56,616 | 6 | 45,907 | 6 | 35,207 | 6 | 24,451 | 6 | 13,843 | 6 | 3,173 | 6 | |
| 1/4 | 88,672 | 1/4 | 77,913 | 1/4 | 67,152 | 1/4 | 56,391 | 1/4 | 45,686 | 1/4 | 34,983 | 1/4 | 24,227 | 1/4 | 13,625 | 1/4 | 2,949 | 1/4 | |
| 1/2 | 88,448 | 1/2 | 77,689 | 1/2 | 66,928 | 1/2 | 56,167 | 1/2 | 45,465 | 1/2 | 34,759 | 1/2 | 24,002 | 1/2 | 13,407 | 1/2 | 2,724 | 1/2 | |
| 3/4 | 88,224 | 3/4 | 77,465 | 3/4 | 66,704 | 3/4 | 55,943 | 3/4 | 45,244 | 3/4 | 34,535 | 3/4 | 23,778 | 3/4 | 13,189 | 3/4 | 2,499 | 3/4 | |
| 7 | 88,000 | 7 | 77,241 | 7 | 66,480 | 7 | 55,719 | 7 | 45,022 | 7 | 34,311 | 7 | 23,554 | 7 | 12,971 | 7 | 2,274 | 7 | |
| 1/4 | 87,776 | 1/4 | 77,017 | 1/4 | 66,256 | 1/4 | 55,495 | 1/4 | 44,801 | 1/4 | 34,087 | 1/4 | 23,330 | 1/4 | 12,753 | 1/4 | 2,050 | 1/4 | |
| 1/2 | 87,552 | 1/2 | 76,793 | 1/2 | 66,031 | 1/2 | 55,270 | 1/2 | 44,580 | 1/2 | 33,862 | 1/2 | 23,106 | 1/2 | 12,535 | 1/2 | 1,825 | 1/2 | |
| 3/4 | 87,328 | 3/4 | 76,568 | 3/4 | 65,807 | 3/4 | 55,046 | 3/4 | 44,359 | 3/4 | 33,638 | 3/4 | 22,882 | 3/4 | 12,317 | 3/4 | 1,600 | 3/4 | |
| 8 | 87,103 | 8 | 76,344 | 8 | 65,583 | 8 | 54,822 | 8 | 44,138 | 8 | 33,414 | 8 | 22,658 | 8 | 12,099 | 8 | 1,387 | 8 | |
| 1/4 | 86,879 | 1/4 | 76,120 | 1/4 | 65,359 | 1/4 | 54,598 | 1/4 | 43,917 | 1/4 | 33,190 | 1/4 | 22,434 | 1/4 | 11,880 | 1/4 | 1,173 | 1/4 | |
| 1/2 | 86,655 | 1/2 | 75,896 | 1/2 | 65,135 | 1/2 | 54,374 | 1/2 | 43,696 | 1/2 | 32,966 | 1/2 | 22,210 | 1/2 | 11,662 | 1/2 | 960 | 1/2 | |
| 3/4 | 86,431 | 3/4 | 75,672 | 3/4 | 64,911 | 3/4 | 54,149 | 3/4 | 43,475 | 3/4 | 32,742 | 3/4 | 21,986 | 3/4 | 11,444 | 3/4 | 746 | 3/4 | |
| 9 | 86,207 | 9 | 75,447 | 9 | 64,686 | 9 | 53,925 | 9 | 43,253 | 9 | 32,518 | 9 | 21,762 | 9 | 11,226 | 9 | 611 | 9 | |
| 1/4 | 85,983 | 1/4 | 75,223 | 1/4 | 64,462 | 1/4 | 53,701 | 1/4 | 43,032 | 1/4 | 32,294 | 1/4 | 21,538 | 1/4 | 11,008 | 1/4 | 477 | 1/4 | |
| 1/2 | 85,759 | 1/2 | 74,999 | 1/2 | 64,238 | 1/2 | 53,477 | 1/2 | 42,811 | 1/2 | 32,070 | 1/2 | 21,313 | 1/2 | 10,789 | 1/2 | 342 | 1/2 | |
| 3/4 | 85,535 | 3/4 | 74,775 | 3/4 | 64,014 | 3/4 | 53,253 | 3/4 | 42,590 | 3/4 | 31,846 | 3/4 | 21,089 | 3/4 | 10,571 | 3/4 | 207 | 3/4 | |
| 10 | 85,311 | 10 | 74,551 | 10 | 63,790 | 10 | 53,029 | 10 | 42,369 | 10 | 31,622 | 10 | 20,865 | 10 | 10,347 | 10 | 162 | 10 | |
| 1/4 | 85,087 | 1/4 | 74,326 | 1/4 | 63,565 | 1/4 | 52,804 | 1/4 | 42,148 | 1/4 | 31,397 | 1/4 | 20,641 | 1/4 | 10,123 | 1/4 | 117 | 1/4 | |
| 1/2 | 84,863 | 1/2 | 74,102 | 1/2 | 63,341 | 1/2 | 52,580 | 1/2 | 41,927 | 1/2 | 31,173 | 1/2 | 20,417 | 1/2 | 9,899 | 1/2 | 72 | 1/2 | |
| 3/4 | 84,638 | 3/4 | 73,878 | 3/4 | 63,117 | 3/4 | 52,356 | 3/4 | 41,706 | 3/4 | 30,949 | 3/4 | 20,193 | 3/4 | 9,675 | 3/4 | 27 | 3/4 | |
| 11 | 84,414 | 11 | 73,654 | 11 | 62,893 | 11 | 52,132 | 11 | 41,482 | 11 | 30,725 | 11 | 19,969 | 11 | 9,451 | 11 | | 11 | |
| 1/4 | 84,190 | 1/4 | 73,430 | 1/4 | 62,669 | 1/4 | 51,908 | 1/4 | 41,257 | 1/4 | 30,501 | 1/4 | 19,745 | 1/4 | 9,227 | 1/4 | | 1/4 | |
| 1/2 | 83,966 | 1/2 | 73,206 | 1/2 | 62,444 | 1/2 | 51,683 | 1/2 | 41,033 | 1/2 | 30,277 | 1/2 | 19,521 | 1/2 | 9,002 | 1/2 | | 1/2 | |
| 3/4 | 83,742 | 3/4 | 72,981 | 3/4 | 62,220 | 3/4 | 51,459 | 3/4 | 40,809 | 3/4 | 30,053 | 3/4 | 19,297 | 3/4 | 8,778 | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/02/2013 CL - SW
CALCULATED: 05/03/2013 CL
PRINTED: 05/04/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2013

PRECISION MEASUREMENT
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BARGE "DBL 96"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 18'-11"

| 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 | | 166,346 | 0 | 154,319 | 0 | 142,254 | 0 | 130,190 | 0 | 118,125 | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 166,097 | 1/4 | 154,067 | 1/4 | 142,003 | 1/4 | 129,938 | 1/4 | 117,874 | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 176,483 | 165,848 | 1/2 | 153,816 | 1/2 | 141,751 | 1/2 | 129,687 | 1/2 | 117,623 | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 176,458 | 165,599 | 3/4 | 153,564 | 3/4 | 141,500 | 3/4 | 129,436 | 3/4 | 117,371 | |
| 1 | | 1 | | 1 | | 1 | | 1 | 176,433 | 165,350 | 1 | 153,313 | 1 | 141,249 | 1 | 129,184 | 1 | 117,120 | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 176,338 | 165,101 | 1/4 | 153,062 | 1/4 | 140,997 | 1/4 | 128,933 | 1/4 | 116,869 | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 176,243 | 164,852 | 1/2 | 152,810 | 1/2 | 140,746 | 1/2 | 128,682 | 1/2 | 116,617 | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 176,148 | 164,603 | 3/4 | 152,559 | 3/4 | 140,495 | 3/4 | 128,430 | 3/4 | 116,366 | |
| 2 | | 2 | | 2 | | 2 | | 2 | 176,053 | 164,354 | 2 | 152,308 | 2 | 140,243 | 2 | 128,179 | 2 | 116,115 | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 175,858 | 164,105 | 1/4 | 152,056 | 1/4 | 139,992 | 1/4 | 127,928 | 1/4 | 115,863 | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 175,662 | 163,855 | 1/2 | 151,805 | 1/2 | 139,741 | 1/2 | 127,676 | 1/2 | 115,612 | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 175,467 | 163,606 | 3/4 | 151,554 | 3/4 | 139,489 | 3/4 | 127,425 | 3/4 | 115,361 | |
| 3 | | 3 | | 3 | | 3 | | 3 | 175,272 | 163,357 | 3 | 151,302 | 3 | 139,238 | 3 | 127,174 | 3 | 115,109 | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 175,026 | 163,108 | 1/4 | 151,051 | 1/4 | 138,987 | 1/4 | 126,922 | 1/4 | 114,858 | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 174,780 | 162,859 | 1/2 | 150,800 | 1/2 | 138,735 | 1/2 | 126,671 | 1/2 | 114,607 | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 174,534 | 162,610 | 3/4 | 150,548 | 3/4 | 138,484 | 3/4 | 126,420 | 3/4 | 114,355 | |
| 4 | | 4 | | 4 | | 4 | | 4 | 174,288 | 162,361 | 4 | 150,297 | 4 | 138,233 | 4 | 126,168 | 4 | 114,104 | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 174,043 | 162,110 | 1/4 | 150,046 | 1/4 | 137,981 | 1/4 | 125,917 | 1/4 | 113,853 | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 173,797 | 161,859 | 1/2 | 149,794 | 1/2 | 137,730 | 1/2 | 125,666 | 1/2 | 113,601 | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 173,551 | 161,607 | 3/4 | 149,543 | 3/4 | 137,479 | 3/4 | 125,414 | 3/4 | 113,350 | |
| 5 | | 5 | | 5 | | 5 | | 5 | 173,305 | 161,356 | 5 | 149,292 | 5 | 137,227 | 5 | 125,163 | 5 | 113,099 | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 173,059 | 161,105 | 1/4 | 149,040 | 1/4 | 136,976 | 1/4 | 124,912 | 1/4 | 112,847 | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 172,814 | 160,853 | 1/2 | 148,789 | 1/2 | 136,725 | 1/2 | 124,660 | 1/2 | 112,596 | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 172,568 | 160,602 | 3/4 | 148,538 | 3/4 | 136,473 | 3/4 | 124,409 | 3/4 | 112,345 | |
| 6 | | 6 | | 6 | | 6 | | 6 | 172,322 | 160,351 | 6 | 148,286 | 6 | 136,222 | 6 | 124,158 | 6 | 112,093 | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 172,073 | 160,099 | 1/4 | 148,035 | 1/4 | 135,971 | 1/4 | 123,906 | 1/4 | 111,842 | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 171,824 | 159,848 | 1/2 | 147,784 | 1/2 | 135,719 | 1/2 | 123,655 | 1/2 | 111,591 | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 171,575 | 159,597 | 3/4 | 147,532 | 3/4 | 135,468 | 3/4 | 123,404 | 3/4 | 111,339 | |
| 7 | | 7 | | 7 | | 7 | | 7 | 171,326 | 159,345 | 7 | 147,281 | 7 | 135,217 | 7 | 123,152 | 7 | 111,088 | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 171,077 | 159,094 | 1/4 | 147,030 | 1/4 | 134,965 | 1/4 | 122,901 | 1/4 | 110,836 | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 170,828 | 158,843 | 1/2 | 146,778 | 1/2 | 134,714 | 1/2 | 122,650 | 1/2 | 110,585 | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 170,579 | 158,591 | 3/4 | 146,527 | 3/4 | 134,463 | 3/4 | 122,398 | 3/4 | 110,334 | |
| 8 | | 8 | | 8 | | 8 | | 8 | 170,330 | 158,340 | 8 | 146,276 | 8 | 134,211 | 8 | 122,147 | 8 | 110,082 | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 170,081 | 158,089 | 1/4 | 146,024 | 1/4 | 133,960 | 1/4 | 121,895 | 1/4 | 109,831 | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 169,832 | 157,837 | 1/2 | 145,773 | 1/2 | 133,709 | 1/2 | 121,644 | 1/2 | 109,580 | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 169,583 | 157,586 | 3/4 | 145,522 | 3/4 | 133,457 | 3/4 | 121,393 | 3/4 | 109,328 | |
| 9 | | 9 | | 9 | | 9 | | 9 | 169,334 | 157,335 | 9 | 145,270 | 9 | 133,206 | 9 | 121,141 | 9 | 109,077 | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 169,085 | 157,083 | 1/4 | 145,019 | 1/4 | 132,955 | 1/4 | 120,890 | 1/4 | 108,826 | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 168,836 | 156,832 | 1/2 | 144,768 | 1/2 | 132,703 | 1/2 | 120,639 | 1/2 | 108,574 | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 168,587 | 156,581 | 3/4 | 144,516 | 3/4 | 132,452 | 3/4 | 120,387 | 3/4 | 108,323 | |
| 10 | | 10 | | 10 | | 10 | | 10 | 168,338 | 156,329 | 10 | 144,265 | 10 | 132,200 | 10 | 120,136 | 10 | 108,072 | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 168,089 | 156,078 | 1/4 | 144,014 | 1/4 | 131,949 | 1/4 | 119,885 | 1/4 | 107,820 | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 167,840 | 155,827 | 1/2 | 143,762 | 1/2 | 131,698 | 1/2 | 119,633 | 1/2 | 107,569 | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 167,591 | 155,575 | 3/4 | 143,511 | 3/4 | 131,446 | 3/4 | 119,382 | 3/4 | 107,318 | |
| 11 | | 11 | | 11 | | 11 | | 11 | 167,342 | 155,324 | 11 | 143,259 | 11 | 131,195 | 11 | 119,131 | 11 | 107,066 | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 167,093 | 155,073 | 1/4 | 143,008 | 1/4 | 130,944 | 1/4 | 118,879 | 1/4 | 106,815 | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 166,844 | 154,821 | 1/2 | 142,757 | 1/2 | 130,692 | 1/2 | 118,628 | 1/2 | 106,564 | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 166,595 | 154,570 | 3/4 | 142,505 | 3/4 | 130,441 | 3/4 | 118,377 | 3/4 | 106,312 | |

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 30'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "DBL 96"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 18'-11"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|---------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 106,061 | 0 | 93,997 | 0 | 81,927 | 0 | 69,857 | 0 | 57,787 | 0 | 45,716 | 0 | 33,646 | 0 | 21,576 | 0 | 9,832 | 0 | |
| 1/4 | 105,810 | 1/4 | 93,745 | 1/4 | 81,675 | 1/4 | 69,605 | 1/4 | 57,535 | 1/4 | 45,465 | 1/4 | 33,395 | 1/4 | 21,333 | 1/4 | 9,580 | 1/4 | |
| 1/2 | 105,558 | 1/2 | 93,494 | 1/2 | 81,424 | 1/2 | 69,354 | 1/2 | 57,284 | 1/2 | 45,213 | 1/2 | 33,143 | 1/2 | 21,090 | 1/2 | 9,329 | 1/2 | |
| 3/4 | 105,307 | 3/4 | 93,243 | 3/4 | 81,173 | 3/4 | 69,102 | 3/4 | 57,032 | 3/4 | 44,962 | 3/4 | 32,892 | 3/4 | 20,846 | 3/4 | 9,078 | 3/4 | |
| 1 | 105,056 | 1 | 92,991 | 1 | 80,921 | 1 | 68,851 | 1 | 56,781 | 1 | 44,711 | 1 | 32,640 | 1 | 20,603 | 1 | 8,826 | 1 | |
| 1/4 | 104,804 | 1/4 | 92,740 | 1/4 | 80,670 | 1/4 | 68,599 | 1/4 | 56,529 | 1/4 | 44,459 | 1/4 | 32,389 | 1/4 | 20,360 | 1/4 | 8,575 | 1/4 | |
| 1/2 | 104,553 | 1/2 | 92,488 | 1/2 | 80,418 | 1/2 | 68,348 | 1/2 | 56,278 | 1/2 | 44,208 | 1/2 | 32,137 | 1/2 | 20,116 | 1/2 | 8,324 | 1/2 | |
| 3/4 | 104,302 | 3/4 | 92,237 | 3/4 | 80,167 | 3/4 | 68,097 | 3/4 | 56,026 | 3/4 | 43,956 | 3/4 | 31,886 | 3/4 | 19,873 | 3/4 | 8,072 | 3/4 | |
| 2 | 104,050 | 2 | 91,985 | 2 | 79,915 | 2 | 67,845 | 2 | 55,775 | 2 | 43,705 | 2 | 31,635 | 2 | 19,630 | 2 | 7,821 | 2 | |
| 1/4 | 103,799 | 1/4 | 91,734 | 1/4 | 79,664 | 1/4 | 67,594 | 1/4 | 55,523 | 1/4 | 43,453 | 1/4 | 31,383 | 1/4 | 19,387 | 1/4 | 7,570 | 1/4 | |
| 1/2 | 103,548 | 1/2 | 91,482 | 1/2 | 79,412 | 1/2 | 67,342 | 1/2 | 55,272 | 1/2 | 43,202 | 1/2 | 31,132 | 1/2 | 19,143 | 1/2 | 7,319 | 1/2 | |
| 3/4 | 103,296 | 3/4 | 91,231 | 3/4 | 79,161 | 3/4 | 67,091 | 3/4 | 55,020 | 3/4 | 42,950 | 3/4 | 30,880 | 3/4 | 18,900 | 3/4 | 7,067 | 3/4 | |
| 3 | 103,045 | 3 | 90,980 | 3 | 78,909 | 3 | 66,839 | 3 | 54,769 | 3 | 42,699 | 3 | 30,629 | 3 | 18,657 | 3 | 6,816 | 3 | |
| 1/4 | 102,794 | 1/4 | 90,728 | 1/4 | 78,658 | 1/4 | 66,588 | 1/4 | 54,518 | 1/4 | 42,447 | 1/4 | 30,377 | 1/4 | 18,414 | 1/4 | 6,564 | 1/4 | |
| 1/2 | 102,542 | 1/2 | 90,477 | 1/2 | 78,406 | 1/2 | 66,336 | 1/2 | 54,266 | 1/2 | 42,196 | 1/2 | 30,126 | 1/2 | 18,170 | 1/2 | 6,313 | 1/2 | |
| 3/4 | 102,291 | 3/4 | 90,225 | 3/4 | 78,155 | 3/4 | 66,085 | 3/4 | 54,015 | 3/4 | 41,944 | 3/4 | 29,874 | 3/4 | 17,927 | 3/4 | 6,062 | 3/4 | |
| 4 | 102,040 | 4 | 89,974 | 4 | 77,904 | 4 | 65,833 | 4 | 53,763 | 4 | 41,693 | 4 | 29,623 | 4 | 17,684 | 4 | 5,810 | 4 | |
| 1/4 | 101,788 | 1/4 | 89,722 | 1/4 | 77,652 | 1/4 | 65,582 | 1/4 | 53,512 | 1/4 | 41,442 | 1/4 | 29,371 | 1/4 | 17,441 | 1/4 | 5,559 | 1/4 | |
| 1/2 | 101,537 | 1/2 | 89,471 | 1/2 | 77,401 | 1/2 | 65,330 | 1/2 | 53,260 | 1/2 | 41,190 | 1/2 | 29,120 | 1/2 | 17,197 | 1/2 | 5,307 | 1/2 | |
| 3/4 | 101,286 | 3/4 | 89,219 | 3/4 | 77,149 | 3/4 | 65,079 | 3/4 | 53,009 | 3/4 | 40,939 | 3/4 | 28,868 | 3/4 | 16,954 | 3/4 | 5,056 | 3/4 | |
| 5 | 101,034 | 5 | 88,968 | 5 | 76,898 | 5 | 64,828 | 5 | 52,757 | 5 | 40,687 | 5 | 28,617 | 5 | 16,711 | 5 | 4,804 | 5 | |
| 1/4 | 100,783 | 1/4 | 88,716 | 1/4 | 76,646 | 1/4 | 64,576 | 1/4 | 52,506 | 1/4 | 40,436 | 1/4 | 28,366 | 1/4 | 16,468 | 1/4 | 4,553 | 1/4 | |
| 1/2 | 100,531 | 1/2 | 88,465 | 1/2 | 76,395 | 1/2 | 64,325 | 1/2 | 52,254 | 1/2 | 40,184 | 1/2 | 28,114 | 1/2 | 16,224 | 1/2 | 4,301 | 1/2 | |
| 3/4 | 100,280 | 3/4 | 88,213 | 3/4 | 76,143 | 3/4 | 64,073 | 3/4 | 52,003 | 3/4 | 39,933 | 3/4 | 27,863 | 3/4 | 15,981 | 3/4 | 4,050 | 3/4 | |
| 6 | 100,029 | 6 | 87,962 | 6 | 75,892 | 6 | 63,822 | 6 | 51,751 | 6 | 39,681 | 6 | 27,611 | 6 | 15,738 | 6 | 3,799 | 6 | |
| 1/4 | 99,777 | 1/4 | 87,711 | 1/4 | 75,640 | 1/4 | 63,570 | 1/4 | 51,500 | 1/4 | 39,430 | 1/4 | 27,360 | 1/4 | 15,495 | 1/4 | 3,547 | 1/4 | |
| 1/2 | 99,526 | 1/2 | 87,459 | 1/2 | 75,389 | 1/2 | 63,319 | 1/2 | 51,249 | 1/2 | 39,178 | 1/2 | 27,108 | 1/2 | 15,251 | 1/2 | 3,296 | 1/2 | |
| 3/4 | 99,275 | 3/4 | 87,208 | 3/4 | 75,137 | 3/4 | 63,067 | 3/4 | 50,997 | 3/4 | 38,927 | 3/4 | 26,857 | 3/4 | 15,008 | 3/4 | 3,044 | 3/4 | |
| 7 | 99,023 | 7 | 86,956 | 7 | 74,886 | 7 | 62,816 | 7 | 50,746 | 7 | 38,675 | 7 | 26,605 | 7 | 14,765 | 7 | 2,793 | 7 | |
| 1/4 | 98,772 | 1/4 | 86,705 | 1/4 | 74,635 | 1/4 | 62,564 | 1/4 | 50,494 | 1/4 | 38,424 | 1/4 | 26,354 | 1/4 | 14,522 | 1/4 | 2,541 | 1/4 | |
| 1/2 | 98,521 | 1/2 | 86,453 | 1/2 | 74,383 | 1/2 | 62,313 | 1/2 | 50,243 | 1/2 | 38,173 | 1/2 | 26,102 | 1/2 | 14,279 | 1/2 | 2,290 | 1/2 | |
| 3/4 | 98,269 | 3/4 | 86,202 | 3/4 | 74,132 | 3/4 | 62,061 | 3/4 | 49,991 | 3/4 | 37,921 | 3/4 | 25,851 | 3/4 | 14,035 | 3/4 | 2,038 | 3/4 | |
| 8 | 98,018 | 8 | 85,950 | 8 | 73,880 | 8 | 61,810 | 8 | 49,740 | 8 | 37,670 | 8 | 25,599 | 8 | 13,792 | 8 | 1,787 | 8 | |
| 1/4 | 97,767 | 1/4 | 85,699 | 1/4 | 73,629 | 1/4 | 61,559 | 1/4 | 49,488 | 1/4 | 37,418 | 1/4 | 25,348 | 1/4 | 13,549 | 1/4 | 1,548 | 1/4 | |
| 1/2 | 97,515 | 1/2 | 85,447 | 1/2 | 73,377 | 1/2 | 61,307 | 1/2 | 49,237 | 1/2 | 37,167 | 1/2 | 25,097 | 1/2 | 13,305 | 1/2 | 1,309 | 1/2 | |
| 3/4 | 97,264 | 3/4 | 85,196 | 3/4 | 73,126 | 3/4 | 61,056 | 3/4 | 48,985 | 3/4 | 36,915 | 3/4 | 24,845 | 3/4 | 13,061 | 3/4 | 1,070 | 3/4 | |
| 9 | 97,013 | 9 | 84,944 | 9 | 72,874 | 9 | 60,804 | 9 | 48,734 | 9 | 36,664 | 9 | 24,594 | 9 | 12,817 | 9 | 831 | 9 | |
| 1/4 | 96,761 | 1/4 | 84,693 | 1/4 | 72,623 | 1/4 | 60,553 | 1/4 | 48,482 | 1/4 | 36,412 | 1/4 | 24,342 | 1/4 | 12,573 | 1/4 | 681 | 1/4 | |
| 1/2 | 96,510 | 1/2 | 84,442 | 1/2 | 72,371 | 1/2 | 60,301 | 1/2 | 48,231 | 1/2 | 36,161 | 1/2 | 24,091 | 1/2 | 12,330 | 1/2 | 530 | 1/2 | |
| 3/4 | 96,259 | 3/4 | 84,190 | 3/4 | 72,120 | 3/4 | 60,050 | 3/4 | 47,980 | 3/4 | 35,909 | 3/4 | 23,839 | 3/4 | 12,086 | 3/4 | 379 | 3/4 | |
| 10 | 96,007 | 10 | 83,939 | 10 | 71,868 | 10 | 59,798 | 10 | 47,728 | 10 | 35,658 | 10 | 23,588 | 10 | 11,842 | 10 | 228 | 10 | |
| 1/4 | 95,756 | 1/4 | 83,687 | 1/4 | 71,617 | 1/4 | 59,547 | 1/4 | 47,477 | 1/4 | 35,406 | 1/4 | 23,336 | 1/4 | 11,591 | 1/4 | 178 | 1/4 | |
| 1/2 | 95,505 | 1/2 | 83,436 | 1/2 | 71,366 | 1/2 | 59,295 | 1/2 | 47,225 | 1/2 | 35,155 | 1/2 | 23,085 | 1/2 | 11,340 | 1/2 | 127 | 1/2 | |
| 3/4 | 95,253 | 3/4 | 83,184 | 3/4 | 71,114 | 3/4 | 59,044 | 3/4 | 46,974 | 3/4 | 34,904 | 3/4 | 22,833 | 3/4 | 11,088 | 3/4 | 77 | 3/4 | |
| 11 | 95,002 | 11 | 82,933 | 11 | 70,863 | 11 | 58,792 | 11 | 46,722 | 11 | 34,652 | 11 | 22,582 | 11 | 10,837 | 11 | 27 | 11 | |
| 1/4 | 94,751 | 1/4 | 82,681 | 1/4 | 70,611 | 1/4 | 58,541 | 1/4 | 46,471 | 1/4 | 34,401 | 1/4 | 22,330 | 1/4 | 10,586 | 1/4 | | 1/4 | |
| 1/2 | 94,499 | 1/2 | 82,430 | 1/2 | 70,360 | 1/2 | 58,289 | 1/2 | 46,219 | 1/2 | 34,149 | 1/2 | 22,079 | 1/2 | 10,334 | 1/2 | | 1/2 | |
| 3/4 | 94,248 | 3/4 | 82,178 | 3/4 | 70,108 | 3/4 | 58,038 | 3/4 | 45,968 | 3/4 | 33,898 | 3/4 | 21,828 | 3/4 | 10,083 | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/02/2013 CL - SW
CALCULATED: 05/03/2013 CL
PRINTED: 05/04/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2013

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



BARGE "DBL 96"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 18'-10 3/4"

| 0 FT. | | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | | 7 FT. | | 8 FT. | | 9 FT. | |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------|-----------|----------------|-----------|----------------|-----------|----------------|-----------|----------------|-----------|----------------|
| IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 155,733 | 1/4 | 146,364 | 1/4 | 135,765 | 1/4 | 125,137 | 1/4 | 114,510 | 1/4 | 103,882 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 155,711 | 1/2 | 146,144 | 1/2 | 135,543 | 1/2 | 124,916 | 1/2 | 114,288 | 1/2 | 103,661 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 155,689 | 3/4 | 145,925 | 3/4 | 135,322 | 3/4 | 124,694 | 3/4 | 114,067 | 3/4 | 103,440 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 155,605 | 1 | 145,705 | 1 | 135,100 | 1 | 124,473 | 1 | 113,846 | 1 | 103,218 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 155,521 | 1/4 | 145,486 | 1/4 | 134,879 | 1/4 | 124,252 | 1/4 | 113,624 | 1/4 | 102,997 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 155,438 | 1/2 | 145,267 | 1/2 | 134,658 | 1/2 | 124,030 | 1/2 | 113,403 | 1/2 | 102,775 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 155,354 | 3/4 | 145,047 | 3/4 | 134,436 | 3/4 | 123,809 | 3/4 | 113,181 | 3/4 | 102,554 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 155,182 | 2 | 144,828 | 2 | 134,215 | 2 | 123,587 | 2 | 112,960 | 2 | 102,333 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 155,010 | 1/4 | 144,609 | 1/4 | 133,993 | 1/4 | 123,366 | 1/4 | 112,739 | 1/4 | 102,111 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 154,838 | 1/2 | 144,389 | 1/2 | 133,772 | 1/2 | 123,145 | 1/2 | 112,517 | 1/2 | 101,890 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 154,666 | 3/4 | 144,170 | 3/4 | 133,551 | 3/4 | 122,923 | 3/4 | 112,296 | 3/4 | 101,668 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 154,449 | 3 | 143,951 | 3 | 133,329 | 3 | 122,702 | 3 | 112,074 | 3 | 101,447 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 154,233 | 1/4 | 143,731 | 1/4 | 133,108 | 1/4 | 122,480 | 1/4 | 111,853 | 1/4 | 101,226 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 154,016 | 1/2 | 143,512 | 1/2 | 132,886 | 1/2 | 122,259 | 1/2 | 111,632 | 1/2 | 101,004 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 153,799 | 3/4 | 143,292 | 3/4 | 132,665 | 3/4 | 122,038 | 3/4 | 111,410 | 3/4 | 100,783 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 153,583 | 4 | 143,071 | 4 | 132,444 | 4 | 121,816 | 4 | 111,189 | 4 | 100,561 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 153,366 | 1/4 | 142,850 | 1/4 | 132,222 | 1/4 | 121,595 | 1/4 | 110,967 | 1/4 | 100,340 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 153,150 | 1/2 | 142,628 | 1/2 | 132,001 | 1/2 | 121,373 | 1/2 | 110,746 | 1/2 | 100,118 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 152,933 | 3/4 | 142,407 | 3/4 | 131,779 | 3/4 | 121,152 | 3/4 | 110,525 | 3/4 | 99,897 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 152,717 | 5 | 142,185 | 5 | 131,558 | 5 | 120,931 | 5 | 110,303 | 5 | 99,676 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 152,500 | 1/4 | 141,964 | 1/4 | 131,337 | 1/4 | 120,709 | 1/4 | 110,082 | 1/4 | 99,454 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 152,284 | 1/2 | 141,743 | 1/2 | 131,115 | 1/2 | 120,488 | 1/2 | 109,860 | 1/2 | 99,233 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 152,067 | 3/4 | 141,521 | 3/4 | 130,894 | 3/4 | 120,266 | 3/4 | 109,639 | 3/4 | 99,011 |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 151,848 | 6 | 141,300 | 6 | 130,672 | 6 | 120,045 | 6 | 109,417 | 6 | 98,790 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 151,628 | 1/4 | 141,078 | 1/4 | 130,451 | 1/4 | 119,824 | 1/4 | 109,196 | 1/4 | 98,569 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 151,409 | 1/2 | 140,857 | 1/2 | 130,230 | 1/2 | 119,602 | 1/2 | 108,975 | 1/2 | 98,347 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 151,190 | 3/4 | 140,636 | 3/4 | 130,008 | 3/4 | 119,381 | 3/4 | 108,753 | 3/4 | 98,126 |
| 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 150,970 | 7 | 140,414 | 7 | 129,787 | 7 | 119,159 | 7 | 108,532 | 7 | 97,904 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 150,751 | 1/4 | 140,193 | 1/4 | 129,565 | 1/4 | 118,938 | 1/4 | 108,310 | 1/4 | 97,683 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 150,531 | 1/2 | 139,971 | 1/2 | 129,344 | 1/2 | 118,716 | 1/2 | 108,089 | 1/2 | 97,462 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 150,312 | 3/4 | 139,750 | 3/4 | 129,123 | 3/4 | 118,495 | 3/4 | 107,868 | 3/4 | 97,240 |
| 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 150,093 | 8 | 139,529 | 8 | 128,901 | 8 | 118,274 | 8 | 107,646 | 8 | 97,019 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 149,873 | 1/4 | 139,307 | 1/4 | 128,680 | 1/4 | 118,052 | 1/4 | 107,425 | 1/4 | 96,797 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 149,654 | 1/2 | 139,086 | 1/2 | 128,458 | 1/2 | 117,831 | 1/2 | 107,203 | 1/2 | 96,576 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 149,435 | 3/4 | 138,864 | 3/4 | 128,237 | 3/4 | 117,609 | 3/4 | 106,982 | 3/4 | 96,355 |
| 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 149,215 | 9 | 138,643 | 9 | 128,015 | 9 | 117,388 | 9 | 106,761 | 9 | 96,133 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 148,996 | 1/4 | 138,422 | 1/4 | 127,794 | 1/4 | 117,167 | 1/4 | 106,539 | 1/4 | 95,912 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 148,777 | 1/2 | 138,200 | 1/2 | 127,573 | 1/2 | 116,945 | 1/2 | 106,318 | 1/2 | 95,690 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 148,557 | 3/4 | 137,979 | 3/4 | 127,351 | 3/4 | 116,724 | 3/4 | 106,096 | 3/4 | 95,469 |
| 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 148,338 | 10 | 137,757 | 10 | 127,130 | 10 | 116,502 | 10 | 105,875 | 10 | 95,248 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 148,118 | 1/4 | 137,536 | 1/4 | 126,908 | 1/4 | 116,281 | 1/4 | 105,654 | 1/4 | 95,026 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 147,899 | 1/2 | 137,314 | 1/2 | 126,687 | 1/2 | 116,060 | 1/2 | 105,432 | 1/2 | 94,805 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 147,680 | 3/4 | 137,093 | 3/4 | 126,466 | 3/4 | 115,838 | 3/4 | 105,211 | 3/4 | 94,583 |
| 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 147,460 | 11 | 136,872 | 11 | 126,244 | 11 | 115,617 | 11 | 104,989 | 11 | 94,362 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | 147,241 | 1/4 | 136,650 | 1/4 | 126,023 | 1/4 | 115,395 | 1/4 | 104,768 | 1/4 | 94,141 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | 147,022 | 1/2 | 136,429 | 1/2 | 125,801 | 1/2 | 115,174 | 1/2 | 104,547 | 1/2 | 93,919 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | 146,802 | 3/4 | 136,207 | 3/4 | 125,580 | 3/4 | 114,953 | 3/4 | 104,325 | 3/4 | 93,698 |

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.

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 96"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 18'-10 3/4"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 93,476 | 0 | 82,849 | 0 | 72,217 | 0 | 61,584 | 0 | 50,952 | 0 | 40,319 | 0 | 29,687 | 0 | 19,056 | 0 | 8,444 | 0 | |
| 1/4 | 93,255 | 1/4 | 82,628 | 1/4 | 71,995 | 1/4 | 61,363 | 1/4 | 50,730 | 1/4 | 40,098 | 1/4 | 29,465 | 1/4 | 18,835 | 1/4 | 8,223 | 1/4 | |
| 1/2 | 93,034 | 1/2 | 82,406 | 1/2 | 71,774 | 1/2 | 61,141 | 1/2 | 50,509 | 1/2 | 39,876 | 1/2 | 29,244 | 1/2 | 18,614 | 1/2 | 8,001 | 1/2 | |
| 3/4 | 92,812 | 3/4 | 82,185 | 3/4 | 71,552 | 3/4 | 60,920 | 3/4 | 50,287 | 3/4 | 39,655 | 3/4 | 29,022 | 3/4 | 18,394 | 3/4 | 7,780 | 3/4 | |
| 1 | 92,591 | 1 | 81,963 | 1 | 71,331 | 1 | 60,698 | 1 | 50,066 | 1 | 39,433 | 1 | 28,801 | 1 | 18,173 | 1 | 7,558 | 1 | |
| 1/4 | 92,369 | 1/4 | 81,742 | 1/4 | 71,109 | 1/4 | 60,477 | 1/4 | 49,844 | 1/4 | 39,212 | 1/4 | 28,579 | 1/4 | 17,952 | 1/4 | 7,337 | 1/4 | |
| 1/2 | 92,148 | 1/2 | 81,520 | 1/2 | 70,888 | 1/2 | 60,255 | 1/2 | 49,623 | 1/2 | 38,990 | 1/2 | 28,358 | 1/2 | 17,731 | 1/2 | 7,115 | 1/2 | |
| 3/4 | 91,927 | 3/4 | 81,299 | 3/4 | 70,666 | 3/4 | 60,034 | 3/4 | 49,401 | 3/4 | 38,769 | 3/4 | 28,136 | 3/4 | 17,510 | 3/4 | 6,894 | 3/4 | |
| 2 | 91,705 | 2 | 81,077 | 2 | 70,445 | 2 | 59,812 | 2 | 49,180 | 2 | 38,547 | 2 | 27,915 | 2 | 17,289 | 2 | 6,672 | 2 | |
| 1/4 | 91,484 | 1/4 | 80,856 | 1/4 | 70,223 | 1/4 | 59,591 | 1/4 | 48,958 | 1/4 | 38,326 | 1/4 | 27,693 | 1/4 | 17,068 | 1/4 | 6,451 | 1/4 | |
| 1/2 | 91,262 | 1/2 | 80,634 | 1/2 | 70,002 | 1/2 | 59,369 | 1/2 | 48,737 | 1/2 | 38,104 | 1/2 | 27,472 | 1/2 | 16,847 | 1/2 | 6,229 | 1/2 | |
| 3/4 | 91,041 | 3/4 | 80,413 | 3/4 | 69,780 | 3/4 | 59,148 | 3/4 | 48,515 | 3/4 | 37,883 | 3/4 | 27,250 | 3/4 | 16,626 | 3/4 | 6,008 | 3/4 | |
| 3 | 90,819 | 3 | 80,191 | 3 | 69,559 | 3 | 58,926 | 3 | 48,294 | 3 | 37,661 | 3 | 27,028 | 3 | 16,405 | 3 | 5,786 | 3 | |
| 1/4 | 90,598 | 1/4 | 79,970 | 1/4 | 69,337 | 1/4 | 58,705 | 1/4 | 48,072 | 1/4 | 37,440 | 1/4 | 26,807 | 1/4 | 16,185 | 1/4 | 5,565 | 1/4 | |
| 1/2 | 90,377 | 1/2 | 79,748 | 1/2 | 69,116 | 1/2 | 58,483 | 1/2 | 47,851 | 1/2 | 37,218 | 1/2 | 26,585 | 1/2 | 15,964 | 1/2 | 5,343 | 1/2 | |
| 3/4 | 90,155 | 3/4 | 79,527 | 3/4 | 68,894 | 3/4 | 58,262 | 3/4 | 47,629 | 3/4 | 36,996 | 3/4 | 26,364 | 3/4 | 15,743 | 3/4 | 5,122 | 3/4 | |
| 4 | 89,934 | 4 | 79,305 | 4 | 68,673 | 4 | 58,040 | 4 | 47,407 | 4 | 36,775 | 4 | 26,142 | 4 | 15,522 | 4 | 4,900 | 4 | |
| 1/4 | 89,712 | 1/4 | 79,084 | 1/4 | 68,451 | 1/4 | 57,819 | 1/4 | 47,186 | 1/4 | 36,553 | 1/4 | 25,921 | 1/4 | 15,301 | 1/4 | 4,679 | 1/4 | |
| 1/2 | 89,491 | 1/2 | 78,862 | 1/2 | 68,230 | 1/2 | 57,597 | 1/2 | 46,964 | 1/2 | 36,332 | 1/2 | 25,699 | 1/2 | 15,080 | 1/2 | 4,457 | 1/2 | |
| 3/4 | 89,270 | 3/4 | 78,641 | 3/4 | 68,008 | 3/4 | 57,375 | 3/4 | 46,743 | 3/4 | 36,110 | 3/4 | 25,478 | 3/4 | 14,859 | 3/4 | 4,236 | 3/4 | |
| 5 | 89,048 | 5 | 78,419 | 5 | 67,787 | 5 | 57,154 | 5 | 46,521 | 5 | 35,889 | 5 | 25,256 | 5 | 14,638 | 5 | 4,014 | 5 | |
| 1/4 | 88,827 | 1/4 | 78,198 | 1/4 | 67,565 | 1/4 | 56,932 | 1/4 | 46,300 | 1/4 | 35,667 | 1/4 | 25,035 | 1/4 | 14,417 | 1/4 | 3,793 | 1/4 | |
| 1/2 | 88,605 | 1/2 | 77,976 | 1/2 | 67,343 | 1/2 | 56,711 | 1/2 | 46,078 | 1/2 | 35,446 | 1/2 | 24,813 | 1/2 | 14,197 | 1/2 | 3,571 | 1/2 | |
| 3/4 | 88,384 | 3/4 | 77,754 | 3/4 | 67,122 | 3/4 | 56,489 | 3/4 | 45,857 | 3/4 | 35,224 | 3/4 | 24,592 | 3/4 | 13,976 | 3/4 | 3,350 | 3/4 | |
| 6 | 88,163 | 6 | 77,533 | 6 | 66,900 | 6 | 56,268 | 6 | 45,635 | 6 | 35,003 | 6 | 24,370 | 6 | 13,755 | 6 | 3,128 | 6 | |
| 1/4 | 87,941 | 1/4 | 77,311 | 1/4 | 66,679 | 1/4 | 56,046 | 1/4 | 45,414 | 1/4 | 34,781 | 1/4 | 24,149 | 1/4 | 13,534 | 1/4 | 2,907 | 1/4 | |
| 1/2 | 87,720 | 1/2 | 77,090 | 1/2 | 66,457 | 1/2 | 55,825 | 1/2 | 45,192 | 1/2 | 34,560 | 1/2 | 23,927 | 1/2 | 13,313 | 1/2 | 2,685 | 1/2 | |
| 3/4 | 87,498 | 3/4 | 76,868 | 3/4 | 66,236 | 3/4 | 55,603 | 3/4 | 44,971 | 3/4 | 34,338 | 3/4 | 23,706 | 3/4 | 13,092 | 3/4 | 2,464 | 3/4 | |
| 7 | 87,277 | 7 | 76,647 | 7 | 66,014 | 7 | 55,382 | 7 | 44,749 | 7 | 34,117 | 7 | 23,484 | 7 | 12,871 | 7 | 2,242 | 7 | |
| 1/4 | 87,056 | 1/4 | 76,425 | 1/4 | 65,793 | 1/4 | 55,160 | 1/4 | 44,528 | 1/4 | 33,895 | 1/4 | 23,263 | 1/4 | 12,650 | 1/4 | 2,021 | 1/4 | |
| 1/2 | 86,834 | 1/2 | 76,204 | 1/2 | 65,571 | 1/2 | 54,939 | 1/2 | 44,306 | 1/2 | 33,674 | 1/2 | 23,041 | 1/2 | 12,429 | 1/2 | 1,799 | 1/2 | |
| 3/4 | 86,613 | 3/4 | 75,982 | 3/4 | 65,350 | 3/4 | 54,717 | 3/4 | 44,085 | 3/4 | 33,452 | 3/4 | 22,820 | 3/4 | 12,208 | 3/4 | 1,578 | 3/4 | |
| 8 | 86,391 | 8 | 75,761 | 8 | 65,128 | 8 | 54,496 | 8 | 43,863 | 8 | 33,231 | 8 | 22,598 | 8 | 11,987 | 8 | 1,367 | 8 | |
| 1/4 | 86,170 | 1/4 | 75,539 | 1/4 | 64,907 | 1/4 | 54,274 | 1/4 | 43,642 | 1/4 | 33,009 | 1/4 | 22,377 | 1/4 | 11,766 | 1/4 | 1,157 | 1/4 | |
| 1/2 | 85,949 | 1/2 | 75,318 | 1/2 | 64,685 | 1/2 | 54,053 | 1/2 | 43,420 | 1/2 | 32,788 | 1/2 | 22,155 | 1/2 | 11,545 | 1/2 | 947 | 1/2 | |
| 3/4 | 85,727 | 3/4 | 75,096 | 3/4 | 64,464 | 3/4 | 53,831 | 3/4 | 43,199 | 3/4 | 32,566 | 3/4 | 21,934 | 3/4 | 11,324 | 3/4 | 736 | 3/4 | |
| 9 | 85,506 | 9 | 74,875 | 9 | 64,242 | 9 | 53,610 | 9 | 42,977 | 9 | 32,345 | 9 | 21,712 | 9 | 11,102 | 9 | 603 | 9 | |
| 1/4 | 85,284 | 1/4 | 74,653 | 1/4 | 64,021 | 1/4 | 53,388 | 1/4 | 42,756 | 1/4 | 32,123 | 1/4 | 21,491 | 1/4 | 10,881 | 1/4 | 470 | 1/4 | |
| 1/2 | 85,063 | 1/2 | 74,432 | 1/2 | 63,799 | 1/2 | 53,167 | 1/2 | 42,534 | 1/2 | 31,902 | 1/2 | 21,269 | 1/2 | 10,659 | 1/2 | 338 | 1/2 | |
| 3/4 | 84,842 | 3/4 | 74,210 | 3/4 | 63,578 | 3/4 | 52,945 | 3/4 | 42,313 | 3/4 | 31,680 | 3/4 | 21,048 | 3/4 | 10,438 | 3/4 | 205 | 3/4 | |
| 10 | 84,620 | 10 | 73,989 | 10 | 63,356 | 10 | 52,724 | 10 | 42,091 | 10 | 31,459 | 10 | 20,826 | 10 | 10,216 | 10 | 160 | 10 | |
| 1/4 | 84,399 | 1/4 | 73,767 | 1/4 | 63,135 | 1/4 | 52,502 | 1/4 | 41,870 | 1/4 | 31,237 | 1/4 | 20,605 | 1/4 | 9,995 | 1/4 | 116 | 1/4 | |
| 1/2 | 84,177 | 1/2 | 73,546 | 1/2 | 62,913 | 1/2 | 52,281 | 1/2 | 41,648 | 1/2 | 31,016 | 1/2 | 20,383 | 1/2 | 9,773 | 1/2 | 72 | 1/2 | |
| 3/4 | 83,956 | 3/4 | 73,324 | 3/4 | 62,692 | 3/4 | 52,059 | 3/4 | 41,427 | 3/4 | 30,794 | 3/4 | 20,162 | 3/4 | 9,552 | 3/4 | 27 | 3/4 | |
| 11 | 83,735 | 11 | 73,103 | 11 | 62,470 | 11 | 51,838 | 11 | 41,205 | 11 | 30,573 | 11 | 19,941 | 11 | 9,330 | 11 | | 11 | |
| 1/4 | 83,513 | 1/4 | 72,881 | 1/4 | 62,249 | 1/4 | 51,616 | 1/4 | 40,984 | 1/4 | 30,351 | 1/4 | 19,719 | 1/4 | 9,109 | 1/4 | | 1/4 | |
| 1/2 | 83,292 | 1/2 | 72,660 | 1/2 | 62,027 | 1/2 | 51,395 | 1/2 | 40,762 | 1/2 | 30,130 | 1/2 | 19,498 | 1/2 | 8,887 | 1/2 | | 1/2 | |
| 3/4 | 83,070 | 3/4 | 72,438 | 3/4 | 61,806 | 3/4 | 51,173 | 3/4 | 40,541 | 3/4 | 29,908 | 3/4 | 19,277 | 3/4 | 8,666 | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/02/2013 CL - SW
CALCULATED: 05/03/2013 CL
PRINTED: 05/04/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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