



BARGE "CBC 1336"

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

(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 3 CENTER IS - 00-3/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 3 CENTER, THE TRIM CORRECTED INNAGE IS 3'-11 5/8"

LENGTH BETWEEN DRAFT MARKS: 161'-09"

August 11, 2011

PRECISION MEASUREMENT
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BARGE "CBC 1336"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 3/4"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|-----|-------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|---------|
| 0 | 39 | 0 | 8,105 | 0 | 18,912 | 0 | 29,569 | 0 | 40,255 | 0 | 51,035 | 0 | 61,814 | 0 | 72,570 | 0 | 83,328 | 0 | 94,111 |
| 1/4 | 58 | 1/4 | 8,330 | 1/4 | 19,138 | 1/4 | 29,788 | 1/4 | 40,480 | 1/4 | 51,259 | 1/4 | 62,038 | 1/4 | 72,793 | 1/4 | 83,553 | 1/4 | 94,335 |
| 1/2 | 77 | 1/2 | 8,555 | 1/2 | 19,363 | 1/2 | 30,007 | 1/2 | 40,704 | 1/2 | 51,484 | 1/2 | 62,263 | 1/2 | 73,016 | 1/2 | 83,777 | 1/2 | 94,560 |
| 3/4 | 96 | 3/4 | 8,781 | 3/4 | 19,588 | 3/4 | 30,225 | 3/4 | 40,929 | 3/4 | 51,708 | 3/4 | 62,488 | 3/4 | 73,240 | 3/4 | 84,002 | 3/4 | 94,784 |
| 1 | 114 | 1 | 9,006 | 1 | 19,813 | 1 | 30,444 | 1 | 41,154 | 1 | 51,933 | 1 | 62,712 | 1 | 73,463 | 1 | 84,226 | 1 | 95,009 |
| 1/4 | 171 | 1/4 | 9,231 | 1/4 | 20,038 | 1/4 | 30,663 | 1/4 | 41,378 | 1/4 | 52,157 | 1/4 | 62,937 | 1/4 | 73,686 | 1/4 | 84,451 | 1/4 | 95,234 |
| 1/2 | 227 | 1/2 | 9,456 | 1/2 | 20,263 | 1/2 | 30,882 | 1/2 | 41,603 | 1/2 | 52,382 | 1/2 | 63,161 | 1/2 | 73,909 | 1/2 | 84,676 | 1/2 | 95,458 |
| 3/4 | 283 | 3/4 | 9,681 | 3/4 | 20,488 | 3/4 | 31,100 | 3/4 | 41,827 | 3/4 | 52,607 | 3/4 | 63,386 | 3/4 | 74,133 | 3/4 | 84,900 | 3/4 | 95,683 |
| 2 | 340 | 2 | 9,906 | 2 | 20,714 | 2 | 31,319 | 2 | 42,052 | 2 | 52,831 | 2 | 63,610 | 2 | 74,356 | 2 | 85,125 | 2 | 95,908 |
| 1/4 | 433 | 1/4 | 10,131 | 1/4 | 20,939 | 1/4 | 31,538 | 1/4 | 42,276 | 1/4 | 53,056 | 1/4 | 63,835 | 1/4 | 74,579 | 1/4 | 85,350 | 1/4 | 96,132 |
| 1/2 | 527 | 1/2 | 10,357 | 1/2 | 21,164 | 1/2 | 31,757 | 1/2 | 42,501 | 1/2 | 53,280 | 1/2 | 64,060 | 1/2 | 74,802 | 1/2 | 85,574 | 1/2 | 96,357 |
| 3/4 | 621 | 3/4 | 10,582 | 3/4 | 21,389 | 3/4 | 31,975 | 3/4 | 42,726 | 3/4 | 53,505 | 3/4 | 64,284 | 3/4 | 75,025 | 3/4 | 85,799 | 3/4 | 96,582 |
| 3 | 715 | 3 | 10,807 | 3 | 21,614 | 3 | 32,194 | 3 | 42,950 | 3 | 53,729 | 3 | 64,509 | 3 | 75,249 | 3 | 86,024 | 3 | 96,806 |
| 1/4 | 846 | 1/4 | 11,032 | 1/4 | 21,839 | 1/4 | 32,413 | 1/4 | 43,175 | 1/4 | 53,954 | 1/4 | 64,733 | 1/4 | 75,472 | 1/4 | 86,248 | 1/4 | 97,031 |
| 1/2 | 977 | 1/2 | 11,257 | 1/2 | 22,065 | 1/2 | 32,632 | 1/2 | 43,399 | 1/2 | 54,179 | 1/2 | 64,958 | 1/2 | 75,695 | 1/2 | 86,473 | 1/2 | 97,256 |
| 3/4 | 1,109 | 3/4 | 11,482 | 3/4 | 22,290 | 3/4 | 32,850 | 3/4 | 43,624 | 3/4 | 54,403 | 3/4 | 65,182 | 3/4 | 75,918 | 3/4 | 86,697 | 3/4 | 97,480 |
| 4 | 1,240 | 4 | 11,708 | 4 | 22,515 | 4 | 33,069 | 4 | 43,848 | 4 | 54,628 | 4 | 65,407 | 4 | 76,141 | 4 | 86,922 | 4 | 97,705 |
| 1/4 | 1,409 | 1/4 | 11,933 | 1/4 | 22,740 | 1/4 | 33,294 | 1/4 | 44,073 | 1/4 | 54,852 | 1/4 | 65,632 | 1/4 | 76,365 | 1/4 | 87,147 | 1/4 | 97,929 |
| 1/2 | 1,578 | 1/2 | 12,158 | 1/2 | 22,965 | 1/2 | 33,518 | 1/2 | 44,297 | 1/2 | 55,077 | 1/2 | 65,856 | 1/2 | 76,589 | 1/2 | 87,371 | 1/2 | 98,154 |
| 3/4 | 1,747 | 3/4 | 12,383 | 3/4 | 23,190 | 3/4 | 33,743 | 3/4 | 44,522 | 3/4 | 55,301 | 3/4 | 66,081 | 3/4 | 76,813 | 3/4 | 87,596 | 3/4 | 98,379 |
| 5 | 1,915 | 5 | 12,608 | 5 | 23,415 | 5 | 33,967 | 5 | 44,747 | 5 | 55,526 | 5 | 66,305 | 5 | 77,037 | 5 | 87,821 | 5 | 98,603 |
| 1/4 | 2,121 | 1/4 | 12,833 | 1/4 | 23,641 | 1/4 | 34,192 | 1/4 | 44,971 | 1/4 | 55,751 | 1/4 | 66,530 | 1/4 | 77,262 | 1/4 | 88,045 | 1/4 | 98,828 |
| 1/2 | 2,327 | 1/2 | 13,058 | 1/2 | 23,866 | 1/2 | 34,416 | 1/2 | 45,196 | 1/2 | 55,975 | 1/2 | 66,754 | 1/2 | 77,486 | 1/2 | 88,270 | 1/2 | 99,053 |
| 3/4 | 2,533 | 3/4 | 13,284 | 3/4 | 24,091 | 3/4 | 34,641 | 3/4 | 45,420 | 3/4 | 56,200 | 3/4 | 66,979 | 3/4 | 77,711 | 3/4 | 88,495 | 3/4 | 99,277 |
| 6 | 2,738 | 6 | 13,509 | 6 | 24,316 | 6 | 34,866 | 6 | 45,645 | 6 | 56,424 | 6 | 67,204 | 6 | 77,936 | 6 | 88,719 | 6 | 99,502 |
| 1/4 | 2,959 | 1/4 | 13,734 | 1/4 | 24,535 | 1/4 | 35,090 | 1/4 | 45,869 | 1/4 | 56,649 | 1/4 | 67,428 | 1/4 | 78,160 | 1/4 | 88,944 | 1/4 | 99,727 |
| 1/2 | 3,180 | 1/2 | 13,959 | 1/2 | 24,754 | 1/2 | 35,315 | 1/2 | 46,094 | 1/2 | 56,873 | 1/2 | 67,652 | 1/2 | 78,385 | 1/2 | 89,169 | 1/2 | 99,951 |
| 3/4 | 3,400 | 3/4 | 14,184 | 3/4 | 24,973 | 3/4 | 35,539 | 3/4 | 46,319 | 3/4 | 57,098 | 3/4 | 67,875 | 3/4 | 78,610 | 3/4 | 89,393 | 3/4 | 100,176 |
| 7 | 3,621 | 7 | 14,409 | 7 | 25,193 | 7 | 35,764 | 7 | 46,543 | 7 | 57,323 | 7 | 68,099 | 7 | 78,834 | 7 | 89,618 | 7 | 100,400 |
| 1/4 | 3,844 | 1/4 | 14,635 | 1/4 | 25,412 | 1/4 | 35,988 | 1/4 | 46,768 | 1/4 | 57,547 | 1/4 | 68,323 | 1/4 | 79,059 | 1/4 | 89,842 | 1/4 | 100,625 |
| 1/2 | 4,066 | 1/2 | 14,860 | 1/2 | 25,631 | 1/2 | 36,213 | 1/2 | 46,992 | 1/2 | 57,772 | 1/2 | 68,547 | 1/2 | 79,284 | 1/2 | 90,067 | 1/2 | 100,850 |
| 3/4 | 4,289 | 3/4 | 15,085 | 3/4 | 25,850 | 3/4 | 36,438 | 3/4 | 47,217 | 3/4 | 57,996 | 3/4 | 68,771 | 3/4 | 79,509 | 3/4 | 90,292 | 3/4 | 101,074 |
| 8 | 4,512 | 8 | 15,310 | 8 | 26,069 | 8 | 36,662 | 8 | 47,441 | 8 | 58,221 | 8 | 68,995 | 8 | 79,733 | 8 | 90,516 | 8 | 101,299 |
| 1/4 | 4,735 | 1/4 | 15,535 | 1/4 | 26,288 | 1/4 | 36,887 | 1/4 | 47,666 | 1/4 | 58,445 | 1/4 | 69,219 | 1/4 | 79,958 | 1/4 | 90,741 | 1/4 | 101,524 |
| 1/2 | 4,959 | 1/2 | 15,760 | 1/2 | 26,507 | 1/2 | 37,111 | 1/2 | 47,891 | 1/2 | 58,670 | 1/2 | 69,443 | 1/2 | 80,183 | 1/2 | 90,966 | 1/2 | 101,748 |
| 3/4 | 5,183 | 3/4 | 15,985 | 3/4 | 26,725 | 3/4 | 37,336 | 3/4 | 48,115 | 3/4 | 58,894 | 3/4 | 69,667 | 3/4 | 80,407 | 3/4 | 91,190 | 3/4 | 101,973 |
| 9 | 5,407 | 9 | 16,211 | 9 | 26,944 | 9 | 37,560 | 9 | 48,340 | 9 | 59,119 | 9 | 69,891 | 9 | 80,632 | 9 | 91,415 | 9 | 102,198 |
| 1/4 | 5,631 | 1/4 | 16,436 | 1/4 | 27,163 | 1/4 | 37,785 | 1/4 | 48,564 | 1/4 | 59,344 | 1/4 | 70,115 | 1/4 | 80,857 | 1/4 | 91,640 | 1/4 | 102,422 |
| 1/2 | 5,856 | 1/2 | 16,661 | 1/2 | 27,382 | 1/2 | 38,010 | 1/2 | 48,789 | 1/2 | 59,568 | 1/2 | 70,338 | 1/2 | 81,081 | 1/2 | 91,864 | 1/2 | 102,647 |
| 3/4 | 6,080 | 3/4 | 16,886 | 3/4 | 27,600 | 3/4 | 38,234 | 3/4 | 49,013 | 3/4 | 59,793 | 3/4 | 70,561 | 3/4 | 81,306 | 3/4 | 92,089 | 3/4 | 102,871 |
| 10 | 6,305 | 10 | 17,111 | 10 | 27,819 | 10 | 38,459 | 10 | 49,238 | 10 | 60,017 | 10 | 70,784 | 10 | 81,531 | 10 | 92,313 | 10 | 103,096 |
| 1/4 | 6,530 | 1/4 | 17,336 | 1/4 | 28,038 | 1/4 | 38,683 | 1/4 | 49,463 | 1/4 | 60,242 | 1/4 | 71,007 | 1/4 | 81,755 | 1/4 | 92,538 | 1/4 | 103,321 |
| 1/2 | 6,755 | 1/2 | 17,562 | 1/2 | 28,257 | 1/2 | 38,908 | 1/2 | 49,687 | 1/2 | 60,466 | 1/2 | 71,231 | 1/2 | 81,980 | 1/2 | 92,763 | 1/2 | 103,545 |
| 3/4 | 6,980 | 3/4 | 17,787 | 3/4 | 28,475 | 3/4 | 39,132 | 3/4 | 49,912 | 3/4 | 60,691 | 3/4 | 71,454 | 3/4 | 82,205 | 3/4 | 92,987 | 3/4 | 103,770 |
| 11 | 7,205 | 11 | 18,012 | 11 | 28,694 | 11 | 39,357 | 11 | 50,136 | 11 | 60,916 | 11 | 71,677 | 11 | 82,429 | 11 | 93,212 | 11 | 103,995 |
| 1/4 | 7,430 | 1/4 | 18,237 | 1/4 | 28,913 | 1/4 | 39,582 | 1/4 | 50,361 | 1/4 | 61,140 | 1/4 | 71,900 | 1/4 | 82,654 | 1/4 | 93,437 | 1/4 | 104,219 |
| 1/2 | 7,655 | 1/2 | 18,462 | 1/2 | 29,132 | 1/2 | 39,806 | 1/2 | 50,585 | 1/2 | 61,365 | 1/2 | 72,124 | 1/2 | 82,879 | 1/2 | 93,661 | 1/2 | 104,444 |
| 3/4 | 7,880 | 3/4 | 18,687 | 3/4 | 29,350 | 3/4 | 40,031 | 3/4 | 50,810 | 3/4 | 61,589 | 3/4 | 72,347 | 3/4 | 83,103 | 3/4 | 93,886 | 3/4 | 104,669 |

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 THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 26'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "CBC 1336"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 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 | 104,893 | 0 | 115,011 | 0 | 124,487 | 0 | 133,921 | 0 | 143,339 | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 105,118 | 1/4 | 115,209 | 1/4 | 124,684 | 1/4 | 134,118 | 1/4 | 143,534 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 105,342 | 1/2 | 115,406 | 1/2 | 124,881 | 1/2 | 134,315 | 1/2 | 143,728 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 105,566 | 3/4 | 115,604 | 3/4 | 125,078 | 3/4 | 134,512 | 3/4 | 143,923 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 105,791 | 1 | 115,801 | 1 | 125,275 | 1 | 134,709 | 1 | 144,118 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 106,015 | 1/4 | 115,998 | 1/4 | 125,472 | 1/4 | 134,906 | 1/4 | 144,313 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 106,240 | 1/2 | 116,196 | 1/2 | 125,669 | 1/2 | 135,103 | 1/2 | 144,508 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 106,464 | 3/4 | 116,393 | 3/4 | 125,866 | 3/4 | 135,299 | 3/4 | 144,702 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 106,688 | 2 | 116,591 | 2 | 126,062 | 2 | 135,496 | 2 | 144,897 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/4 | 106,913 | 1/4 | 116,788 | 1/4 | 126,259 | 1/4 | 135,693 | 1/4 | 145,101 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 107,137 | 1/2 | 116,986 | 1/2 | 126,456 | 1/2 | 135,890 | 1/2 | 145,305 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 107,362 | 3/4 | 117,183 | 3/4 | 126,653 | 3/4 | 136,087 | 3/4 | 145,508 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 107,586 | 3 | 117,380 | 3 | 126,850 | 3 | 136,284 | 3 | 145,712 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1/4 | 107,810 | 1/4 | 117,578 | 1/4 | 127,047 | 1/4 | 136,481 | 1/4 | 145,878 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 108,035 | 1/2 | 117,775 | 1/2 | 127,244 | 1/2 | 136,678 | 1/2 | 146,045 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 108,259 | 3/4 | 117,973 | 3/4 | 127,441 | 3/4 | 136,875 | 3/4 | 146,211 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 108,483 | 4 | 118,170 | 4 | 127,638 | 4 | 137,071 | 4 | 146,377 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1/4 | 108,708 | 1/4 | 118,367 | 1/4 | 127,834 | 1/4 | 137,268 | 1/4 | 146,506 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 108,932 | 1/2 | 118,565 | 1/2 | 128,031 | 1/2 | 137,465 | 1/2 | 146,634 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 109,157 | 3/4 | 118,762 | 3/4 | 128,228 | 3/4 | 137,662 | 3/4 | 146,763 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 109,381 | 5 | 118,960 | 5 | 128,425 | 5 | 137,859 | 5 | 146,892 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1/4 | 109,605 | 1/4 | 119,157 | 1/4 | 128,622 | 1/4 | 138,056 | 1/4 | 146,983 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 109,830 | 1/2 | 119,355 | 1/2 | 128,819 | 1/2 | 138,253 | 1/2 | 147,074 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 110,054 | 3/4 | 119,552 | 3/4 | 129,016 | 3/4 | 138,450 | 3/4 | 147,165 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 110,279 | 6 | 119,749 | 6 | 129,213 | 6 | 138,647 | 6 | 147,256 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1/4 | 110,476 | 1/4 | 119,947 | 1/4 | 129,409 | 1/4 | 138,843 | 1/4 | 147,310 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 110,673 | 1/2 | 120,144 | 1/2 | 129,605 | 1/2 | 139,040 | 1/2 | 147,364 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 110,870 | 3/4 | 120,342 | 3/4 | 129,801 | 3/4 | 139,237 | 3/4 | 147,417 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 111,067 | 7 | 120,539 | 7 | 129,997 | 7 | 139,434 | 7 | 147,471 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1/4 | 111,265 | 1/4 | 120,736 | 1/4 | 130,194 | 1/4 | 139,631 | 1/4 | 147,487 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 111,462 | 1/2 | 120,934 | 1/2 | 130,390 | 1/2 | 139,828 | 1/2 | 147,503 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 111,659 | 3/4 | 121,131 | 3/4 | 130,586 | 3/4 | 140,025 | 3/4 | 147,519 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 111,856 | 8 | 121,329 | 8 | 130,782 | 8 | 140,222 | 8 | 147,535 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1/4 | 112,053 | 1/4 | 121,526 | 1/4 | 130,978 | 1/4 | 140,416 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 112,251 | 1/2 | 121,723 | 1/2 | 131,175 | 1/2 | 140,611 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 112,448 | 3/4 | 121,921 | 3/4 | 131,371 | 3/4 | 140,806 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 112,645 | 9 | 122,118 | 9 | 131,567 | 9 | 141,001 | 9 | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1/4 | 112,842 | 1/4 | 122,316 | 1/4 | 131,763 | 1/4 | 141,196 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 113,039 | 1/2 | 122,513 | 1/2 | 131,959 | 1/2 | 141,391 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 113,237 | 3/4 | 122,711 | 3/4 | 132,156 | 3/4 | 141,585 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 113,434 | 10 | 122,908 | 10 | 132,352 | 10 | 141,780 | 10 | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1/4 | 113,631 | 1/4 | 123,105 | 1/4 | 132,548 | 1/4 | 141,975 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 113,828 | 1/2 | 123,303 | 1/2 | 132,744 | 1/2 | 142,170 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 114,025 | 3/4 | 123,500 | 3/4 | 132,940 | 3/4 | 142,365 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 114,223 | 11 | 123,698 | 11 | 133,136 | 11 | 142,559 | 11 | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1/4 | 114,420 | 1/4 | 123,895 | 1/4 | 133,333 | 1/4 | 142,754 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 114,617 | 1/2 | 124,092 | 1/2 | 133,529 | 1/2 | 142,949 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 114,814 | 3/4 | 124,290 | 3/4 | 133,725 | 3/4 | 143,144 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/11/2011 CL - SW
CALCULATED: 08/11/2011 CL
PRINTED: 08/11/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2011

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



BARGE "CBC 1336"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07"

| 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 | 39 | 0 | 9,053 | 0 | 21,131 | 0 | 33,061 | 0 | 44,992 | 0 | 57,070 | 0 | 69,147 | 0 | 81,225 | 0 | 93,303 | 0 | 105,379 |
| 1/4 | 60 | 1/4 | 9,305 | 1/4 | 21,382 | 1/4 | 33,305 | 1/4 | 45,244 | 1/4 | 57,321 | 1/4 | 69,399 | 1/4 | 81,477 | 1/4 | 93,554 | 1/4 | 105,630 |
| 1/2 | 81 | 1/2 | 9,556 | 1/2 | 21,634 | 1/2 | 33,549 | 1/2 | 45,495 | 1/2 | 57,573 | 1/2 | 69,651 | 1/2 | 81,728 | 1/2 | 93,806 | 1/2 | 105,882 |
| 3/4 | 102 | 3/4 | 9,808 | 3/4 | 21,885 | 3/4 | 33,794 | 3/4 | 45,747 | 3/4 | 57,824 | 3/4 | 69,902 | 3/4 | 81,980 | 3/4 | 94,058 | 3/4 | 106,133 |
| 1 | 123 | 1 | 10,060 | 1 | 22,137 | 1 | 34,038 | 1 | 45,998 | 1 | 58,076 | 1 | 70,154 | 1 | 82,232 | 1 | 94,309 | 1 | 106,385 |
| 1/4 | 186 | 1/4 | 10,311 | 1/4 | 22,389 | 1/4 | 34,282 | 1/4 | 46,250 | 1/4 | 58,328 | 1/4 | 70,405 | 1/4 | 82,483 | 1/4 | 94,561 | 1/4 | 106,636 |
| 1/2 | 249 | 1/2 | 10,563 | 1/2 | 22,640 | 1/2 | 34,526 | 1/2 | 46,502 | 1/2 | 58,579 | 1/2 | 70,657 | 1/2 | 82,735 | 1/2 | 94,812 | 1/2 | 106,888 |
| 3/4 | 312 | 3/4 | 10,815 | 3/4 | 22,892 | 3/4 | 34,770 | 3/4 | 46,753 | 3/4 | 58,831 | 3/4 | 70,909 | 3/4 | 82,986 | 3/4 | 95,064 | 3/4 | 107,140 |
| 2 | 375 | 2 | 11,066 | 2 | 23,143 | 2 | 35,015 | 2 | 47,005 | 2 | 59,083 | 2 | 71,160 | 2 | 83,238 | 2 | 95,315 | 2 | 107,391 |
| 1/4 | 480 | 1/4 | 11,318 | 1/4 | 23,395 | 1/4 | 35,259 | 1/4 | 47,256 | 1/4 | 59,334 | 1/4 | 71,412 | 1/4 | 83,490 | 1/4 | 95,567 | 1/4 | 107,643 |
| 1/2 | 584 | 1/2 | 11,569 | 1/2 | 23,647 | 1/2 | 35,503 | 1/2 | 47,508 | 1/2 | 59,586 | 1/2 | 71,664 | 1/2 | 83,741 | 1/2 | 95,819 | 1/2 | 107,894 |
| 3/4 | 689 | 3/4 | 11,821 | 3/4 | 23,898 | 3/4 | 35,747 | 3/4 | 47,760 | 3/4 | 59,837 | 3/4 | 71,915 | 3/4 | 83,993 | 3/4 | 96,070 | 3/4 | 108,146 |
| 3 | 794 | 3 | 12,073 | 3 | 24,150 | 3 | 35,991 | 3 | 48,011 | 3 | 60,089 | 3 | 72,167 | 3 | 84,245 | 3 | 96,322 | 3 | 108,397 |
| 1/4 | 941 | 1/4 | 12,324 | 1/4 | 24,401 | 1/4 | 36,236 | 1/4 | 48,263 | 1/4 | 60,341 | 1/4 | 72,418 | 1/4 | 84,496 | 1/4 | 96,573 | 1/4 | 108,649 |
| 1/2 | 1,088 | 1/2 | 12,576 | 1/2 | 24,653 | 1/2 | 36,480 | 1/2 | 48,515 | 1/2 | 60,592 | 1/2 | 72,670 | 1/2 | 84,748 | 1/2 | 96,825 | 1/2 | 108,901 |
| 3/4 | 1,234 | 3/4 | 12,827 | 3/4 | 24,905 | 3/4 | 36,724 | 3/4 | 48,766 | 3/4 | 60,844 | 3/4 | 72,922 | 3/4 | 84,999 | 3/4 | 97,076 | 3/4 | 109,152 |
| 4 | 1,381 | 4 | 13,079 | 4 | 25,156 | 4 | 36,968 | 4 | 49,018 | 4 | 61,096 | 4 | 73,173 | 4 | 85,251 | 4 | 97,328 | 4 | 109,404 |
| 1/4 | 1,570 | 1/4 | 13,331 | 1/4 | 25,408 | 1/4 | 37,213 | 1/4 | 49,269 | 1/4 | 61,347 | 1/4 | 73,425 | 1/4 | 85,503 | 1/4 | 97,580 | 1/4 | 109,655 |
| 1/2 | 1,759 | 1/2 | 13,582 | 1/2 | 25,660 | 1/2 | 37,457 | 1/2 | 49,521 | 1/2 | 61,599 | 1/2 | 73,677 | 1/2 | 85,754 | 1/2 | 97,831 | 1/2 | 109,907 |
| 3/4 | 1,947 | 3/4 | 13,834 | 3/4 | 25,911 | 3/4 | 37,702 | 3/4 | 49,773 | 3/4 | 61,850 | 3/4 | 73,928 | 3/4 | 86,006 | 3/4 | 98,083 | 3/4 | 110,158 |
| 5 | 2,136 | 5 | 14,085 | 5 | 26,163 | 5 | 37,947 | 5 | 50,024 | 5 | 62,102 | 5 | 74,180 | 5 | 86,258 | 5 | 98,334 | 5 | 110,410 |
| 1/4 | 2,366 | 1/4 | 14,337 | 1/4 | 26,414 | 1/4 | 38,198 | 1/4 | 50,276 | 1/4 | 62,354 | 1/4 | 74,431 | 1/4 | 86,509 | 1/4 | 98,586 | 1/4 | 110,662 |
| 1/2 | 2,596 | 1/2 | 14,589 | 1/2 | 26,666 | 1/2 | 38,450 | 1/2 | 50,528 | 1/2 | 62,605 | 1/2 | 74,683 | 1/2 | 86,761 | 1/2 | 98,838 | 1/2 | 110,913 |
| 3/4 | 2,826 | 3/4 | 14,840 | 3/4 | 26,918 | 3/4 | 38,701 | 3/4 | 50,779 | 3/4 | 62,857 | 3/4 | 74,935 | 3/4 | 87,012 | 3/4 | 99,089 | 3/4 | 111,165 |
| 6 | 3,056 | 6 | 15,092 | 6 | 27,169 | 6 | 38,953 | 6 | 51,031 | 6 | 63,109 | 6 | 75,186 | 6 | 87,264 | 6 | 99,341 | 6 | 111,416 |
| 1/4 | 3,302 | 1/4 | 15,344 | 1/4 | 27,421 | 1/4 | 39,205 | 1/4 | 51,282 | 1/4 | 63,360 | 1/4 | 75,438 | 1/4 | 87,516 | 1/4 | 99,592 | 1/4 | 111,668 |
| 1/2 | 3,549 | 1/2 | 15,595 | 1/2 | 27,672 | 1/2 | 39,456 | 1/2 | 51,534 | 1/2 | 63,612 | 1/2 | 75,689 | 1/2 | 87,767 | 1/2 | 99,844 | 1/2 | 111,919 |
| 3/4 | 3,796 | 3/4 | 15,847 | 3/4 | 27,924 | 3/4 | 39,708 | 3/4 | 51,786 | 3/4 | 63,863 | 3/4 | 75,941 | 3/4 | 88,019 | 3/4 | 100,095 | 3/4 | 112,171 |
| 7 | 4,042 | 7 | 16,098 | 7 | 28,176 | 7 | 39,960 | 7 | 52,037 | 7 | 64,115 | 7 | 76,193 | 7 | 88,270 | 7 | 100,347 | 7 | 112,423 |
| 1/4 | 4,291 | 1/4 | 16,350 | 1/4 | 28,420 | 1/4 | 40,211 | 1/4 | 52,289 | 1/4 | 64,367 | 1/4 | 76,444 | 1/4 | 88,522 | 1/4 | 100,599 | 1/4 | 112,674 |
| 1/2 | 4,540 | 1/2 | 16,602 | 1/2 | 28,665 | 1/2 | 40,463 | 1/2 | 52,540 | 1/2 | 64,618 | 1/2 | 76,696 | 1/2 | 88,774 | 1/2 | 100,850 | 1/2 | 112,926 |
| 3/4 | 4,789 | 3/4 | 16,853 | 3/4 | 28,909 | 3/4 | 40,714 | 3/4 | 52,792 | 3/4 | 64,870 | 3/4 | 76,948 | 3/4 | 89,025 | 3/4 | 101,102 | 3/4 | 113,177 |
| 8 | 5,037 | 8 | 17,105 | 8 | 29,154 | 8 | 40,966 | 8 | 53,044 | 8 | 65,121 | 8 | 77,199 | 8 | 89,277 | 8 | 101,353 | 8 | 113,429 |
| 1/4 | 5,288 | 1/4 | 17,356 | 1/4 | 29,398 | 1/4 | 41,218 | 1/4 | 53,295 | 1/4 | 65,373 | 1/4 | 77,451 | 1/4 | 89,529 | 1/4 | 101,605 | 1/4 | 113,681 |
| 1/2 | 5,538 | 1/2 | 17,608 | 1/2 | 29,642 | 1/2 | 41,469 | 1/2 | 53,547 | 1/2 | 65,625 | 1/2 | 77,702 | 1/2 | 89,780 | 1/2 | 101,856 | 1/2 | 113,932 |
| 3/4 | 5,788 | 3/4 | 17,860 | 3/4 | 29,886 | 3/4 | 41,721 | 3/4 | 53,799 | 3/4 | 65,876 | 3/4 | 77,954 | 3/4 | 90,032 | 3/4 | 102,108 | 3/4 | 114,184 |
| 9 | 6,038 | 9 | 18,111 | 9 | 30,131 | 9 | 41,972 | 9 | 54,050 | 9 | 66,128 | 9 | 78,206 | 9 | 90,283 | 9 | 102,360 | 9 | 114,435 |
| 1/4 | 6,289 | 1/4 | 18,363 | 1/4 | 30,375 | 1/4 | 42,224 | 1/4 | 54,302 | 1/4 | 66,380 | 1/4 | 78,457 | 1/4 | 90,535 | 1/4 | 102,611 | 1/4 | 114,687 |
| 1/2 | 6,540 | 1/2 | 18,614 | 1/2 | 30,619 | 1/2 | 42,476 | 1/2 | 54,553 | 1/2 | 66,631 | 1/2 | 78,709 | 1/2 | 90,787 | 1/2 | 102,863 | 1/2 | 114,938 |
| 3/4 | 6,790 | 3/4 | 18,866 | 3/4 | 30,863 | 3/4 | 42,727 | 3/4 | 54,805 | 3/4 | 66,883 | 3/4 | 78,961 | 3/4 | 91,038 | 3/4 | 103,114 | 3/4 | 115,190 |
| 10 | 7,041 | 10 | 19,118 | 10 | 31,107 | 10 | 42,979 | 10 | 55,057 | 10 | 67,134 | 10 | 79,210 | 10 | 91,290 | 10 | 103,366 | 10 | 115,442 |
| 1/4 | 7,293 | 1/4 | 19,369 | 1/4 | 31,352 | 1/4 | 43,231 | 1/4 | 55,308 | 1/4 | 67,386 | 1/4 | 79,464 | 1/4 | 91,542 | 1/4 | 103,617 | 1/4 | 115,693 |
| 1/2 | 7,544 | 1/2 | 19,621 | 1/2 | 31,596 | 1/2 | 43,482 | 1/2 | 55,560 | 1/2 | 67,638 | 1/2 | 79,715 | 1/2 | 91,793 | 1/2 | 103,869 | 1/2 | 115,945 |
| 3/4 | 7,796 | 3/4 | 19,873 | 3/4 | 31,840 | 3/4 | 43,734 | 3/4 | 55,812 | 3/4 | 67,889 | 3/4 | 79,967 | 3/4 | 92,045 | 3/4 | 104,121 | 3/4 | 116,196 |
| 11 | 8,047 | 11 | 20,124 | 11 | 32,084 | 11 | 43,985 | 11 | 56,063 | 11 | 68,141 | 11 | 80,219 | 11 | 92,296 | 11 | 104,372 | 11 | 116,448 |
| 1/4 | 8,298 | 1/4 | 20,376 | 1/4 | 32,328 | 1/4 | 44,237 | 1/4 | 56,315 | 1/4 | 68,393 | 1/4 | 80,470 | 1/4 | 92,548 | 1/4 | 104,624 | 1/4 | 116,699 |
| 1/2 | 8,550 | 1/2 | 20,627 | 1/2 | 32,573 | 1/2 | 44,489 | 1/2 | 56,566 | 1/2 | 68,644 | 1/2 | 80,722 | 1/2 | 92,800 | 1/2 | 104,875 | 1/2 | 116,951 |
| 3/4 | 8,802 | 3/4 | 20,879 | 3/4 | 32,817 | 3/4 | 44,740 | 3/4 | 56,818 | 3/4 | 68,896 | 3/4 | 80,973 | 3/4 | 93,051 | 3/4 | 105,127 | 3/4 | 117,203 |

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 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 "CBC 1336"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07"

| 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 | 117,454 | 0 | 129,530 | 0 | 141,605 | 0 | 153,614 | 0 | 165,586 | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 117,706 | 1/4 | 129,781 | 1/4 | 141,856 | 1/4 | 153,864 | 1/4 | 165,833 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 117,957 | 1/2 | 130,033 | 1/2 | 142,106 | 1/2 | 154,114 | 1/2 | 166,081 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 118,209 | 3/4 | 130,285 | 3/4 | 142,356 | 3/4 | 154,365 | 3/4 | 166,329 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 118,460 | 1 | 130,536 | 1 | 142,606 | 1 | 154,615 | 1 | 166,577 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 118,712 | 1/4 | 130,788 | 1/4 | 142,856 | 1/4 | 154,865 | 1/4 | 166,825 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 118,964 | 1/2 | 131,039 | 1/2 | 143,107 | 1/2 | 155,115 | 1/2 | 167,073 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 119,215 | 3/4 | 131,291 | 3/4 | 143,357 | 3/4 | 155,365 | 3/4 | 167,321 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 119,467 | 2 | 131,542 | 2 | 143,607 | 2 | 155,615 | 2 | 167,568 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/4 | 119,718 | 1/4 | 131,794 | 1/4 | 143,857 | 1/4 | 155,866 | 1/4 | 167,795 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 119,970 | 1/2 | 132,046 | 1/2 | 144,107 | 1/2 | 156,116 | 1/2 | 168,022 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 120,221 | 3/4 | 132,297 | 3/4 | 144,357 | 3/4 | 156,366 | 3/4 | 168,249 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 120,473 | 3 | 132,549 | 3 | 144,608 | 3 | 156,616 | 3 | 168,476 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1/4 | 120,725 | 1/4 | 132,800 | 1/4 | 144,858 | 1/4 | 156,866 | 1/4 | 168,661 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 120,976 | 1/2 | 133,052 | 1/2 | 145,108 | 1/2 | 157,116 | 1/2 | 168,846 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 121,228 | 3/4 | 133,303 | 3/4 | 145,358 | 3/4 | 157,367 | 3/4 | 169,031 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 121,479 | 4 | 133,555 | 4 | 145,608 | 4 | 157,617 | 4 | 169,216 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1/4 | 121,731 | 1/4 | 133,807 | 1/4 | 145,858 | 1/4 | 157,867 | 1/4 | 169,359 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 121,983 | 1/2 | 134,058 | 1/2 | 146,109 | 1/2 | 158,117 | 1/2 | 169,502 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 122,234 | 3/4 | 134,310 | 3/4 | 146,359 | 3/4 | 158,367 | 3/4 | 169,645 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 122,486 | 5 | 134,561 | 5 | 146,609 | 5 | 158,618 | 5 | 169,788 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1/4 | 122,737 | 1/4 | 134,813 | 1/4 | 146,859 | 1/4 | 158,868 | 1/4 | 169,889 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 122,989 | 1/2 | 135,064 | 1/2 | 147,109 | 1/2 | 159,118 | 1/2 | 169,990 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 123,240 | 3/4 | 135,316 | 3/4 | 147,360 | 3/4 | 159,368 | 3/4 | 170,091 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 123,492 | 6 | 135,568 | 6 | 147,610 | 6 | 159,618 | 6 | 170,192 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1/4 | 123,744 | 1/4 | 135,819 | 1/4 | 147,860 | 1/4 | 159,868 | 1/4 | 170,251 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 123,995 | 1/2 | 136,071 | 1/2 | 148,110 | 1/2 | 160,119 | 1/2 | 170,311 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 124,247 | 3/4 | 136,322 | 3/4 | 148,360 | 3/4 | 160,369 | 3/4 | 170,370 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 124,498 | 7 | 136,574 | 7 | 148,610 | 7 | 160,619 | 7 | 170,429 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1/4 | 124,750 | 1/4 | 136,826 | 1/4 | 148,861 | 1/4 | 160,869 | 1/4 | 170,446 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 125,001 | 1/2 | 137,077 | 1/2 | 149,111 | 1/2 | 161,119 | 1/2 | 170,463 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 125,253 | 3/4 | 137,329 | 3/4 | 149,361 | 3/4 | 161,370 | 3/4 | 170,481 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 125,505 | 8 | 137,580 | 8 | 149,611 | 8 | 161,620 | 8 | 170,498 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1/4 | 125,756 | 1/4 | 137,832 | 1/4 | 149,861 | 1/4 | 161,868 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 126,008 | 1/2 | 138,083 | 1/2 | 150,112 | 1/2 | 162,115 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 126,259 | 3/4 | 138,335 | 3/4 | 150,362 | 3/4 | 162,363 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 126,511 | 9 | 138,587 | 9 | 150,612 | 9 | 162,611 | 9 | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1/4 | 126,762 | 1/4 | 138,838 | 1/4 | 150,862 | 1/4 | 162,859 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 127,014 | 1/2 | 139,090 | 1/2 | 151,112 | 1/2 | 163,107 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 127,266 | 3/4 | 139,341 | 3/4 | 151,362 | 3/4 | 163,355 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 127,517 | 10 | 139,593 | 10 | 151,613 | 10 | 163,603 | 10 | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1/4 | 127,769 | 1/4 | 139,844 | 1/4 | 151,863 | 1/4 | 163,850 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 128,020 | 1/2 | 140,096 | 1/2 | 152,113 | 1/2 | 164,098 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 128,272 | 3/4 | 140,348 | 3/4 | 152,363 | 3/4 | 164,346 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 128,524 | 11 | 140,599 | 11 | 152,613 | 11 | 164,594 | 11 | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1/4 | 128,775 | 1/4 | 140,851 | 1/4 | 152,863 | 1/4 | 164,842 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 129,027 | 1/2 | 141,102 | 1/2 | 153,114 | 1/2 | 165,090 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 129,278 | 3/4 | 141,354 | 3/4 | 153,364 | 3/4 | 165,338 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/11/2011 CL - SW
CALCULATED: 08/11/2011 CL
PRINTED: 08/11/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2011

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



BARGE "CBC 1336"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08"

| 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 | 39 | 0 | 8,032 | 0 | 18,741 | 0 | 29,435 | 0 | 40,133 | 0 | 50,842 | 0 | 61,552 | 0 | 72,261 | 0 | 82,970 | 0 | 93,678 |
| 1/4 | 58 | 1/4 | 8,255 | 1/4 | 18,964 | 1/4 | 29,658 | 1/4 | 40,356 | 1/4 | 51,066 | 1/4 | 61,775 | 1/4 | 72,484 | 1/4 | 83,193 | 1/4 | 93,901 |
| 1/2 | 76 | 1/2 | 8,478 | 1/2 | 19,187 | 1/2 | 29,880 | 1/2 | 40,579 | 1/2 | 51,289 | 1/2 | 61,998 | 1/2 | 72,707 | 1/2 | 83,416 | 1/2 | 94,124 |
| 3/4 | 95 | 3/4 | 8,701 | 3/4 | 19,410 | 3/4 | 30,103 | 3/4 | 40,803 | 3/4 | 51,512 | 3/4 | 62,221 | 3/4 | 72,930 | 3/4 | 83,640 | 3/4 | 94,347 |
| 1 | 114 | 1 | 8,924 | 1 | 19,633 | 1 | 30,325 | 1 | 41,026 | 1 | 51,735 | 1 | 62,444 | 1 | 73,153 | 1 | 83,863 | 1 | 94,570 |
| 1/4 | 169 | 1/4 | 9,147 | 1/4 | 19,856 | 1/4 | 30,547 | 1/4 | 41,249 | 1/4 | 51,958 | 1/4 | 62,667 | 1/4 | 73,377 | 1/4 | 84,086 | 1/4 | 94,793 |
| 1/2 | 225 | 1/2 | 9,370 | 1/2 | 20,079 | 1/2 | 30,770 | 1/2 | 41,472 | 1/2 | 52,181 | 1/2 | 62,890 | 1/2 | 73,600 | 1/2 | 84,309 | 1/2 | 95,016 |
| 3/4 | 281 | 3/4 | 9,594 | 3/4 | 20,302 | 3/4 | 30,992 | 3/4 | 41,695 | 3/4 | 52,404 | 3/4 | 63,114 | 3/4 | 73,823 | 3/4 | 84,532 | 3/4 | 95,239 |
| 2 | 337 | 2 | 9,817 | 2 | 20,525 | 2 | 31,215 | 2 | 41,918 | 2 | 52,627 | 2 | 63,337 | 2 | 74,046 | 2 | 84,755 | 2 | 95,462 |
| 1/4 | 430 | 1/4 | 10,040 | 1/4 | 20,749 | 1/4 | 31,437 | 1/4 | 42,141 | 1/4 | 52,850 | 1/4 | 63,560 | 1/4 | 74,269 | 1/4 | 84,978 | 1/4 | 95,685 |
| 1/2 | 523 | 1/2 | 10,263 | 1/2 | 20,972 | 1/2 | 31,659 | 1/2 | 42,364 | 1/2 | 53,074 | 1/2 | 63,783 | 1/2 | 74,492 | 1/2 | 85,201 | 1/2 | 95,908 |
| 3/4 | 616 | 3/4 | 10,486 | 3/4 | 21,195 | 3/4 | 31,882 | 3/4 | 42,587 | 3/4 | 53,297 | 3/4 | 64,006 | 3/4 | 74,715 | 3/4 | 85,424 | 3/4 | 96,132 |
| 3 | 708 | 3 | 10,709 | 3 | 21,418 | 3 | 32,104 | 3 | 42,811 | 3 | 53,520 | 3 | 64,229 | 3 | 74,938 | 3 | 85,647 | 3 | 96,355 |
| 1/4 | 839 | 1/4 | 10,932 | 1/4 | 21,641 | 1/4 | 32,326 | 1/4 | 43,034 | 1/4 | 53,743 | 1/4 | 64,452 | 1/4 | 75,161 | 1/4 | 85,870 | 1/4 | 96,578 |
| 1/2 | 969 | 1/2 | 11,155 | 1/2 | 21,864 | 1/2 | 32,549 | 1/2 | 43,257 | 1/2 | 53,966 | 1/2 | 64,675 | 1/2 | 75,385 | 1/2 | 86,093 | 1/2 | 96,801 |
| 3/4 | 1,099 | 3/4 | 11,378 | 3/4 | 22,087 | 3/4 | 32,771 | 3/4 | 43,480 | 3/4 | 54,189 | 3/4 | 64,898 | 3/4 | 75,608 | 3/4 | 86,316 | 3/4 | 97,024 |
| 4 | 1,229 | 4 | 11,601 | 4 | 22,310 | 4 | 32,994 | 4 | 43,703 | 4 | 54,412 | 4 | 65,121 | 4 | 75,831 | 4 | 86,539 | 4 | 97,247 |
| 1/4 | 1,396 | 1/4 | 11,825 | 1/4 | 22,533 | 1/4 | 33,217 | 1/4 | 43,926 | 1/4 | 54,635 | 1/4 | 65,345 | 1/4 | 76,054 | 1/4 | 86,763 | 1/4 | 97,470 |
| 1/2 | 1,564 | 1/2 | 12,048 | 1/2 | 22,757 | 1/2 | 33,440 | 1/2 | 44,149 | 1/2 | 54,858 | 1/2 | 65,568 | 1/2 | 76,277 | 1/2 | 86,986 | 1/2 | 97,693 |
| 3/4 | 1,731 | 3/4 | 12,271 | 3/4 | 22,980 | 3/4 | 33,663 | 3/4 | 44,372 | 3/4 | 55,082 | 3/4 | 65,791 | 3/4 | 76,500 | 3/4 | 87,209 | 3/4 | 97,916 |
| 5 | 1,898 | 5 | 12,494 | 5 | 23,203 | 5 | 33,886 | 5 | 44,595 | 5 | 55,305 | 5 | 66,014 | 5 | 76,723 | 5 | 87,432 | 5 | 98,139 |
| 1/4 | 2,102 | 1/4 | 12,717 | 1/4 | 23,426 | 1/4 | 34,109 | 1/4 | 44,818 | 1/4 | 55,528 | 1/4 | 66,237 | 1/4 | 76,946 | 1/4 | 87,655 | 1/4 | 98,362 |
| 1/2 | 2,306 | 1/2 | 12,940 | 1/2 | 23,649 | 1/2 | 34,332 | 1/2 | 45,042 | 1/2 | 55,751 | 1/2 | 66,460 | 1/2 | 77,169 | 1/2 | 87,878 | 1/2 | 98,585 |
| 3/4 | 2,510 | 3/4 | 13,163 | 3/4 | 23,872 | 3/4 | 34,555 | 3/4 | 45,265 | 3/4 | 55,974 | 3/4 | 66,683 | 3/4 | 77,393 | 3/4 | 88,101 | 3/4 | 98,808 |
| 6 | 2,714 | 6 | 13,386 | 6 | 24,095 | 6 | 34,779 | 6 | 45,488 | 6 | 56,197 | 6 | 66,906 | 6 | 77,616 | 6 | 88,324 | 6 | 99,031 |
| 1/4 | 2,933 | 1/4 | 13,609 | 1/4 | 24,318 | 1/4 | 35,002 | 1/4 | 45,711 | 1/4 | 56,420 | 1/4 | 67,129 | 1/4 | 77,839 | 1/4 | 88,547 | 1/4 | 99,255 |
| 1/2 | 3,151 | 1/2 | 13,832 | 1/2 | 24,541 | 1/2 | 35,225 | 1/2 | 45,934 | 1/2 | 56,643 | 1/2 | 67,353 | 1/2 | 78,062 | 1/2 | 88,770 | 1/2 | 99,478 |
| 3/4 | 3,370 | 3/4 | 14,056 | 3/4 | 24,763 | 3/4 | 35,448 | 3/4 | 46,157 | 3/4 | 56,866 | 3/4 | 67,576 | 3/4 | 78,285 | 3/4 | 88,993 | 3/4 | 99,701 |
| 7 | 3,589 | 7 | 14,279 | 7 | 24,986 | 7 | 35,671 | 7 | 46,380 | 7 | 57,090 | 7 | 67,799 | 7 | 78,508 | 7 | 89,216 | 7 | 99,924 |
| 1/4 | 3,809 | 1/4 | 14,502 | 1/4 | 25,209 | 1/4 | 35,894 | 1/4 | 46,603 | 1/4 | 57,313 | 1/4 | 68,022 | 1/4 | 78,731 | 1/4 | 89,439 | 1/4 | 100,147 |
| 1/2 | 4,030 | 1/2 | 14,725 | 1/2 | 25,432 | 1/2 | 36,117 | 1/2 | 46,826 | 1/2 | 57,536 | 1/2 | 68,245 | 1/2 | 78,954 | 1/2 | 89,662 | 1/2 | 100,370 |
| 3/4 | 4,250 | 3/4 | 14,948 | 3/4 | 25,654 | 3/4 | 36,340 | 3/4 | 47,050 | 3/4 | 57,759 | 3/4 | 68,468 | 3/4 | 79,177 | 3/4 | 89,886 | 3/4 | 100,593 |
| 8 | 4,471 | 8 | 15,171 | 8 | 25,877 | 8 | 36,563 | 8 | 47,273 | 8 | 57,982 | 8 | 68,691 | 8 | 79,401 | 8 | 90,109 | 8 | 100,816 |
| 1/4 | 4,693 | 1/4 | 15,394 | 1/4 | 26,099 | 1/4 | 36,787 | 1/4 | 47,496 | 1/4 | 58,205 | 1/4 | 68,914 | 1/4 | 79,624 | 1/4 | 90,332 | 1/4 | 101,039 |
| 1/2 | 4,915 | 1/2 | 15,617 | 1/2 | 26,322 | 1/2 | 37,010 | 1/2 | 47,719 | 1/2 | 58,428 | 1/2 | 69,137 | 1/2 | 79,847 | 1/2 | 90,555 | 1/2 | 101,262 |
| 3/4 | 5,136 | 3/4 | 15,840 | 3/4 | 26,544 | 3/4 | 37,233 | 3/4 | 47,942 | 3/4 | 58,651 | 3/4 | 69,361 | 3/4 | 80,070 | 3/4 | 90,778 | 3/4 | 101,485 |
| 9 | 5,358 | 9 | 16,063 | 9 | 26,767 | 9 | 37,456 | 9 | 48,165 | 9 | 58,874 | 9 | 69,584 | 9 | 80,293 | 9 | 91,001 | 9 | 101,708 |
| 1/4 | 5,581 | 1/4 | 16,287 | 1/4 | 26,989 | 1/4 | 37,679 | 1/4 | 48,388 | 1/4 | 59,098 | 1/4 | 69,807 | 1/4 | 80,516 | 1/4 | 91,224 | 1/4 | 101,931 |
| 1/2 | 5,803 | 1/2 | 16,510 | 1/2 | 27,211 | 1/2 | 37,902 | 1/2 | 48,611 | 1/2 | 59,321 | 1/2 | 70,030 | 1/2 | 80,739 | 1/2 | 91,447 | 1/2 | 102,154 |
| 3/4 | 6,025 | 3/4 | 16,733 | 3/4 | 27,434 | 3/4 | 38,125 | 3/4 | 48,834 | 3/4 | 59,544 | 3/4 | 70,253 | 3/4 | 80,962 | 3/4 | 91,670 | 3/4 | 102,378 |
| 10 | 6,248 | 10 | 16,956 | 10 | 27,656 | 10 | 38,348 | 10 | 49,058 | 10 | 59,767 | 10 | 70,476 | 10 | 81,185 | 10 | 91,893 | 10 | 102,601 |
| 1/4 | 6,471 | 1/4 | 17,179 | 1/4 | 27,879 | 1/4 | 38,571 | 1/4 | 49,281 | 1/4 | 59,990 | 1/4 | 70,699 | 1/4 | 81,409 | 1/4 | 92,116 | 1/4 | 102,824 |
| 1/2 | 6,694 | 1/2 | 17,402 | 1/2 | 28,101 | 1/2 | 38,795 | 1/2 | 49,504 | 1/2 | 60,213 | 1/2 | 70,922 | 1/2 | 81,632 | 1/2 | 92,339 | 1/2 | 103,047 |
| 3/4 | 6,917 | 3/4 | 17,625 | 3/4 | 28,323 | 3/4 | 39,018 | 3/4 | 49,727 | 3/4 | 60,436 | 3/4 | 71,145 | 3/4 | 81,855 | 3/4 | 92,562 | 3/4 | 103,270 |
| 11 | 7,140 | 11 | 17,848 | 11 | 28,546 | 11 | 39,241 | 11 | 49,950 | 11 | 60,659 | 11 | 71,369 | 11 | 82,078 | 11 | 92,785 | 11 | 103,493 |
| 1/4 | 7,363 | 1/4 | 18,071 | 1/4 | 28,768 | 1/4 | 39,464 | 1/4 | 50,173 | 1/4 | 60,882 | 1/4 | 71,592 | 1/4 | 82,301 | 1/4 | 93,009 | 1/4 | 103,716 |
| 1/2 | 7,586 | 1/2 | 18,294 | 1/2 | 28,991 | 1/2 | 39,687 | 1/2 | 50,396 | 1/2 | 61,106 | 1/2 | 71,815 | 1/2 | 82,524 | 1/2 | 93,232 | 1/2 | 103,939 |
| 3/4 | 7,809 | 3/4 | 18,518 | 3/4 | 29,213 | 3/4 | 39,910 | 3/4 | 50,619 | 3/4 | 61,329 | 3/4 | 72,038 | 3/4 | 82,747 | 3/4 | 93,455 | 3/4 | 104,162 |

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 THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 23'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 1336"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08"

| 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 | 104,385 | 0 | 115,093 | 0 | 125,800 | 0 | 136,449 | 0 | 147,065 | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 104,608 | 1/4 | 115,316 | 1/4 | 126,022 | 1/4 | 136,671 | 1/4 | 147,285 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 104,831 | 1/2 | 115,539 | 1/2 | 126,244 | 1/2 | 136,893 | 1/2 | 147,504 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 105,054 | 3/4 | 115,762 | 3/4 | 126,466 | 3/4 | 137,114 | 3/4 | 147,724 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 105,278 | 1 | 115,985 | 1 | 126,688 | 1 | 137,336 | 1 | 147,944 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 105,501 | 1/4 | 116,208 | 1/4 | 126,909 | 1/4 | 137,558 | 1/4 | 148,164 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 105,724 | 1/2 | 116,431 | 1/2 | 127,131 | 1/2 | 137,780 | 1/2 | 148,384 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 105,947 | 3/4 | 116,654 | 3/4 | 127,353 | 3/4 | 138,002 | 3/4 | 148,603 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 106,170 | 2 | 116,877 | 2 | 127,575 | 2 | 138,224 | 2 | 148,823 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/4 | 106,393 | 1/4 | 117,100 | 1/4 | 127,797 | 1/4 | 138,446 | 1/4 | 149,024 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 106,616 | 1/2 | 117,323 | 1/2 | 128,019 | 1/2 | 138,667 | 1/2 | 149,226 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 106,839 | 3/4 | 117,546 | 3/4 | 128,240 | 3/4 | 138,889 | 3/4 | 149,427 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 107,062 | 3 | 117,770 | 3 | 128,462 | 3 | 139,111 | 3 | 149,628 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1/4 | 107,285 | 1/4 | 117,993 | 1/4 | 128,684 | 1/4 | 139,333 | 1/4 | 149,792 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 107,508 | 1/2 | 118,216 | 1/2 | 128,906 | 1/2 | 139,555 | 1/2 | 149,956 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 107,731 | 3/4 | 118,439 | 3/4 | 129,128 | 3/4 | 139,777 | 3/4 | 150,120 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 107,954 | 4 | 118,662 | 4 | 129,350 | 4 | 139,998 | 4 | 150,284 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1/4 | 108,177 | 1/4 | 118,885 | 1/4 | 129,572 | 1/4 | 140,220 | 1/4 | 150,411 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 108,401 | 1/2 | 119,108 | 1/2 | 129,793 | 1/2 | 140,442 | 1/2 | 150,538 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 108,624 | 3/4 | 119,331 | 3/4 | 130,015 | 3/4 | 140,664 | 3/4 | 150,665 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 108,847 | 5 | 119,554 | 5 | 130,237 | 5 | 140,886 | 5 | 150,792 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1/4 | 109,070 | 1/4 | 119,777 | 1/4 | 130,459 | 1/4 | 141,108 | 1/4 | 150,881 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 109,293 | 1/2 | 120,000 | 1/2 | 130,681 | 1/2 | 141,330 | 1/2 | 150,971 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 109,516 | 3/4 | 120,223 | 3/4 | 130,903 | 3/4 | 141,551 | 3/4 | 151,060 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 109,739 | 6 | 120,446 | 6 | 131,125 | 6 | 141,773 | 6 | 151,150 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1/4 | 109,962 | 1/4 | 120,669 | 1/4 | 131,346 | 1/4 | 141,995 | 1/4 | 151,203 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 110,185 | 1/2 | 120,893 | 1/2 | 131,568 | 1/2 | 142,217 | 1/2 | 151,255 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 110,408 | 3/4 | 121,116 | 3/4 | 131,790 | 3/4 | 142,439 | 3/4 | 151,308 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 110,631 | 7 | 121,339 | 7 | 132,012 | 7 | 142,661 | 7 | 151,360 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1/4 | 110,854 | 1/4 | 121,562 | 1/4 | 132,234 | 1/4 | 142,883 | 1/4 | 151,375 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 111,077 | 1/2 | 121,785 | 1/2 | 132,456 | 1/2 | 143,104 | 1/2 | 151,391 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 111,300 | 3/4 | 122,008 | 3/4 | 132,677 | 3/4 | 143,326 | 3/4 | 151,406 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 111,524 | 8 | 122,231 | 8 | 132,899 | 8 | 143,548 | 8 | 151,421 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1/4 | 111,747 | 1/4 | 122,454 | 1/4 | 133,121 | 1/4 | 143,768 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 111,970 | 1/2 | 122,677 | 1/2 | 133,343 | 1/2 | 143,988 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 112,193 | 3/4 | 122,900 | 3/4 | 133,565 | 3/4 | 144,207 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 112,416 | 9 | 123,123 | 9 | 133,787 | 9 | 144,427 | 9 | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1/4 | 112,639 | 1/4 | 123,346 | 1/4 | 134,009 | 1/4 | 144,647 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 112,862 | 1/2 | 123,569 | 1/2 | 134,230 | 1/2 | 144,867 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 113,085 | 3/4 | 123,793 | 3/4 | 134,452 | 3/4 | 145,087 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 113,308 | 10 | 124,016 | 10 | 134,674 | 10 | 145,306 | 10 | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1/4 | 113,531 | 1/4 | 124,239 | 1/4 | 134,896 | 1/4 | 145,526 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 113,754 | 1/2 | 124,462 | 1/2 | 135,118 | 1/2 | 145,746 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 113,977 | 3/4 | 124,685 | 3/4 | 135,340 | 3/4 | 145,966 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 114,200 | 11 | 124,908 | 11 | 135,562 | 11 | 146,186 | 11 | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1/4 | 114,423 | 1/4 | 125,131 | 1/4 | 135,783 | 1/4 | 146,405 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 114,647 | 1/2 | 125,354 | 1/2 | 136,005 | 1/2 | 146,625 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 114,870 | 3/4 | 125,577 | 3/4 | 136,227 | 3/4 | 146,845 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/11/2011 CL - SW
CALCULATED: 08/11/2011 CL
PRINTED: 08/11/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2011

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



BARGE "CBC 1336"

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

(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 3 CENTER IS 00-3/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 3 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 3/8"

LENGTH BETWEEN DRAFT MARKS: 161'-09"

August 11, 2011

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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 Pearland, Texas 77588

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BARGE "CBC 1336"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 3/4"

| 0 FT. | | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | | 7 FT. | | 8 FT. | | 9 FT. | |
|-------|-----|-------|-----|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|--------|-------|--------|
| IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 0 | | 0 | | 0 | 147,519 | 0 | 140,025 | 0 | 130,586 | 0 | 121,131 | 0 | 111,659 | 0 | 101,074 | 0 | 90,292 | 0 | 79,509 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 147,503 | 1/4 | 139,828 | 1/4 | 130,390 | 1/4 | 120,934 | 1/4 | 111,462 | 1/4 | 100,850 | 1/4 | 90,067 | 1/4 | 79,284 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 147,487 | 1/2 | 139,631 | 1/2 | 130,194 | 1/2 | 120,736 | 1/2 | 111,265 | 1/2 | 100,625 | 1/2 | 89,842 | 1/2 | 79,059 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 147,471 | 3/4 | 139,434 | 3/4 | 129,997 | 3/4 | 120,539 | 3/4 | 111,067 | 3/4 | 100,400 | 3/4 | 89,618 | 3/4 | 78,834 |
| 1 | | 1 | | 1 | 147,417 | 1 | 139,237 | 1 | 129,801 | 1 | 120,342 | 1 | 110,870 | 1 | 100,176 | 1 | 89,393 | 1 | 78,610 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 147,364 | 1/4 | 139,040 | 1/4 | 129,605 | 1/4 | 120,144 | 1/4 | 110,673 | 1/4 | 99,951 | 1/4 | 89,169 | 1/4 | 78,385 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 147,310 | 1/2 | 138,843 | 1/2 | 129,409 | 1/2 | 119,947 | 1/2 | 110,476 | 1/2 | 99,727 | 1/2 | 88,944 | 1/2 | 78,160 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 147,256 | 3/4 | 138,647 | 3/4 | 129,213 | 3/4 | 119,749 | 3/4 | 110,279 | 3/4 | 99,502 | 3/4 | 88,719 | 3/4 | 77,936 |
| 2 | | 2 | | 2 | 147,165 | 2 | 138,450 | 2 | 129,016 | 2 | 119,552 | 2 | 110,054 | 2 | 99,277 | 2 | 88,495 | 2 | 77,711 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 147,074 | 1/4 | 138,253 | 1/4 | 128,819 | 1/4 | 119,355 | 1/4 | 109,830 | 1/4 | 99,053 | 1/4 | 88,270 | 1/4 | 77,486 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 146,983 | 1/2 | 138,056 | 1/2 | 128,622 | 1/2 | 119,157 | 1/2 | 109,605 | 1/2 | 98,828 | 1/2 | 88,045 | 1/2 | 77,262 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 146,892 | 3/4 | 137,859 | 3/4 | 128,425 | 3/4 | 118,960 | 3/4 | 109,381 | 3/4 | 98,603 | 3/4 | 87,821 | 3/4 | 77,037 |
| 3 | | 3 | | 3 | 146,763 | 3 | 137,662 | 3 | 128,228 | 3 | 118,762 | 3 | 109,157 | 3 | 98,379 | 3 | 87,596 | 3 | 76,813 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 146,634 | 1/4 | 137,465 | 1/4 | 128,031 | 1/4 | 118,565 | 1/4 | 108,932 | 1/4 | 98,154 | 1/4 | 87,371 | 1/4 | 76,589 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 146,506 | 1/2 | 137,268 | 1/2 | 127,834 | 1/2 | 118,367 | 1/2 | 108,708 | 1/2 | 97,929 | 1/2 | 87,147 | 1/2 | 76,365 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 146,377 | 3/4 | 137,071 | 3/4 | 127,638 | 3/4 | 118,170 | 3/4 | 108,483 | 3/4 | 97,705 | 3/4 | 86,922 | 3/4 | 76,141 |
| 4 | | 4 | | 4 | 146,211 | 4 | 136,875 | 4 | 127,441 | 4 | 117,973 | 4 | 108,259 | 4 | 97,480 | 4 | 86,697 | 4 | 75,918 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 146,045 | 1/4 | 136,678 | 1/4 | 127,244 | 1/4 | 117,775 | 1/4 | 108,035 | 1/4 | 97,256 | 1/4 | 86,473 | 1/4 | 75,695 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 145,878 | 1/2 | 136,481 | 1/2 | 127,047 | 1/2 | 117,578 | 1/2 | 107,810 | 1/2 | 97,031 | 1/2 | 86,248 | 1/2 | 75,472 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 145,712 | 3/4 | 136,284 | 3/4 | 126,850 | 3/4 | 117,380 | 3/4 | 107,586 | 3/4 | 96,806 | 3/4 | 86,024 | 3/4 | 75,249 |
| 5 | | 5 | | 5 | 145,508 | 5 | 136,087 | 5 | 126,653 | 5 | 117,183 | 5 | 107,362 | 5 | 96,582 | 5 | 85,799 | 5 | 75,025 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 145,305 | 1/4 | 135,890 | 1/4 | 126,456 | 1/4 | 116,986 | 1/4 | 107,137 | 1/4 | 96,357 | 1/4 | 85,574 | 1/4 | 74,802 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 145,101 | 1/2 | 135,693 | 1/2 | 126,259 | 1/2 | 116,788 | 1/2 | 106,913 | 1/2 | 96,132 | 1/2 | 85,350 | 1/2 | 74,579 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 144,897 | 3/4 | 135,496 | 3/4 | 126,062 | 3/4 | 116,591 | 3/4 | 106,688 | 3/4 | 95,908 | 3/4 | 85,125 | 3/4 | 74,356 |
| 6 | | 6 | | 6 | 144,702 | 6 | 135,299 | 6 | 125,866 | 6 | 116,393 | 6 | 106,464 | 6 | 95,683 | 6 | 84,900 | 6 | 74,133 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 144,508 | 1/4 | 135,103 | 1/4 | 125,669 | 1/4 | 116,196 | 1/4 | 106,240 | 1/4 | 95,458 | 1/4 | 84,676 | 1/4 | 73,909 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 144,313 | 1/2 | 134,906 | 1/2 | 125,472 | 1/2 | 115,998 | 1/2 | 106,015 | 1/2 | 95,234 | 1/2 | 84,451 | 1/2 | 73,686 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 144,118 | 3/4 | 134,709 | 3/4 | 125,275 | 3/4 | 115,801 | 3/4 | 105,791 | 3/4 | 95,009 | 3/4 | 84,226 | 3/4 | 73,463 |
| 7 | | 7 | | 7 | 143,923 | 7 | 134,512 | 7 | 125,078 | 7 | 115,604 | 7 | 105,566 | 7 | 94,784 | 7 | 84,002 | 7 | 73,240 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 143,728 | 1/4 | 134,315 | 1/4 | 124,881 | 1/4 | 115,406 | 1/4 | 105,342 | 1/4 | 94,560 | 1/4 | 83,777 | 1/4 | 73,016 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 143,534 | 1/2 | 134,118 | 1/2 | 124,684 | 1/2 | 115,209 | 1/2 | 105,118 | 1/2 | 94,335 | 1/2 | 83,553 | 1/2 | 72,793 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 143,339 | 3/4 | 133,921 | 3/4 | 124,487 | 3/4 | 115,011 | 3/4 | 104,893 | 3/4 | 94,111 | 3/4 | 83,328 | 3/4 | 72,570 |
| 8 | | 8 | | 8 | 143,144 | 8 | 133,725 | 8 | 124,290 | 8 | 114,814 | 8 | 104,669 | 8 | 93,886 | 8 | 83,103 | 8 | 72,347 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 142,949 | 1/4 | 133,529 | 1/4 | 124,092 | 1/4 | 114,617 | 1/4 | 104,444 | 1/4 | 93,661 | 1/4 | 82,879 | 1/4 | 72,124 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 142,754 | 1/2 | 133,333 | 1/2 | 123,895 | 1/2 | 114,420 | 1/2 | 104,219 | 1/2 | 93,437 | 1/2 | 82,654 | 1/2 | 71,900 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 142,559 | 3/4 | 133,136 | 3/4 | 123,698 | 3/4 | 114,223 | 3/4 | 103,995 | 3/4 | 93,212 | 3/4 | 82,429 | 3/4 | 71,677 |
| 9 | | 9 | | 9 | 142,365 | 9 | 132,940 | 9 | 123,500 | 9 | 114,025 | 9 | 103,770 | 9 | 92,987 | 9 | 82,205 | 9 | 71,454 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 142,170 | 1/4 | 132,744 | 1/4 | 123,303 | 1/4 | 113,828 | 1/4 | 103,545 | 1/4 | 92,763 | 1/4 | 81,980 | 1/4 | 71,231 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 141,975 | 1/2 | 132,548 | 1/2 | 123,105 | 1/2 | 113,631 | 1/2 | 103,321 | 1/2 | 92,538 | 1/2 | 81,755 | 1/2 | 71,007 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 141,780 | 3/4 | 132,352 | 3/4 | 122,908 | 3/4 | 113,434 | 3/4 | 103,096 | 3/4 | 92,313 | 3/4 | 81,531 | 3/4 | 70,784 |
| 10 | | 10 | | 10 | 141,585 | 10 | 132,156 | 10 | 122,711 | 10 | 113,237 | 10 | 102,871 | 10 | 92,089 | 10 | 81,306 | 10 | 70,561 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 141,391 | 1/4 | 131,959 | 1/4 | 122,513 | 1/4 | 113,039 | 1/4 | 102,647 | 1/4 | 91,864 | 1/4 | 81,081 | 1/4 | 70,338 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 141,196 | 1/2 | 131,763 | 1/2 | 122,316 | 1/2 | 112,842 | 1/2 | 102,422 | 1/2 | 91,640 | 1/2 | 80,857 | 1/2 | 70,115 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 141,001 | 3/4 | 131,567 | 3/4 | 122,118 | 3/4 | 112,645 | 3/4 | 102,198 | 3/4 | 91,415 | 3/4 | 80,632 | 3/4 | 69,891 |
| 11 | | 11 | | 11 | 140,806 | 11 | 131,371 | 11 | 121,921 | 11 | 112,448 | 11 | 101,973 | 11 | 91,190 | 11 | 80,407 | 11 | 69,667 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 140,611 | 1/4 | 131,175 | 1/4 | 121,723 | 1/4 | 112,251 | 1/4 | 101,748 | 1/4 | 90,966 | 1/4 | 80,183 | 1/4 | 69,443 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 140,416 | 1/2 | 130,978 | 1/2 | 121,526 | 1/2 | 112,053 | 1/2 | 101,524 | 1/2 | 90,741 | 1/2 | 79,958 | 1/2 | 69,219 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 147,535 | 3/4 | 140,222 | 3/4 | 130,782 | 3/4 | 121,329 | 3/4 | 111,856 | 3/4 | 101,299 | 3/4 | 79,733 | 3/4 | 68,995 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 26'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "CBC 1336"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 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 | 68,771 | 0 | 57,996 | 0 | 47,217 | 0 | 36,438 | 0 | 25,850 | 0 | 15,085 | 0 | 4,289 | 0 | | 0 | | 0 | |
| 1/4 | 68,547 | 1/4 | 57,772 | 1/4 | 46,992 | 1/4 | 36,213 | 1/4 | 25,631 | 1/4 | 14,860 | 1/4 | 4,066 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 68,323 | 1/2 | 57,547 | 1/2 | 46,768 | 1/2 | 35,988 | 1/2 | 25,412 | 1/2 | 14,635 | 1/2 | 3,844 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 68,099 | 3/4 | 57,323 | 3/4 | 46,543 | 3/4 | 35,764 | 3/4 | 25,193 | 3/4 | 14,409 | 3/4 | 3,621 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 1 | 67,875 | 1 | 57,098 | 1 | 46,319 | 1 | 35,539 | 1 | 24,973 | 1 | 14,184 | 1 | 3,400 | 1 | 1 | | 1 | | 1 |
| 1/4 | 67,652 | 1/4 | 56,873 | 1/4 | 46,094 | 1/4 | 35,315 | 1/4 | 24,754 | 1/4 | 13,959 | 1/4 | 3,180 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 67,428 | 1/2 | 56,649 | 1/2 | 45,869 | 1/2 | 35,090 | 1/2 | 24,535 | 1/2 | 13,734 | 1/2 | 2,959 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 67,204 | 3/4 | 56,424 | 3/4 | 45,645 | 3/4 | 34,866 | 3/4 | 24,316 | 3/4 | 13,509 | 3/4 | 2,738 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 2 | 66,979 | 2 | 56,200 | 2 | 45,420 | 2 | 34,641 | 2 | 24,091 | 2 | 13,284 | 2 | 2,533 | 2 | 2 | | 2 | | 2 |
| 1/4 | 66,754 | 1/4 | 55,975 | 1/4 | 45,196 | 1/4 | 34,416 | 1/4 | 23,866 | 1/4 | 13,058 | 1/4 | 2,327 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 66,530 | 1/2 | 55,751 | 1/2 | 44,971 | 1/2 | 34,192 | 1/2 | 23,641 | 1/2 | 12,833 | 1/2 | 2,121 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 66,305 | 3/4 | 55,526 | 3/4 | 44,747 | 3/4 | 33,967 | 3/4 | 23,415 | 3/4 | 12,608 | 3/4 | 1,915 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 3 | 66,081 | 3 | 55,301 | 3 | 44,522 | 3 | 33,743 | 3 | 23,190 | 3 | 12,383 | 3 | 1,747 | 3 | 3 | | 3 | | 3 |
| 1/4 | 65,856 | 1/4 | 55,077 | 1/4 | 44,297 | 1/4 | 33,518 | 1/4 | 22,965 | 1/4 | 12,158 | 1/4 | 1,578 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 65,632 | 1/2 | 54,852 | 1/2 | 44,073 | 1/2 | 33,294 | 1/2 | 22,740 | 1/2 | 11,933 | 1/2 | 1,409 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 65,407 | 3/4 | 54,628 | 3/4 | 43,848 | 3/4 | 33,069 | 3/4 | 22,515 | 3/4 | 11,708 | 3/4 | 1,240 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 4 | 65,182 | 4 | 54,403 | 4 | 43,624 | 4 | 32,850 | 4 | 22,290 | 4 | 11,482 | 4 | 1,109 | 4 | 4 | | 4 | | 4 |
| 1/4 | 64,958 | 1/4 | 54,179 | 1/4 | 43,399 | 1/4 | 32,632 | 1/4 | 22,065 | 1/4 | 11,257 | 1/4 | 977 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 64,733 | 1/2 | 53,954 | 1/2 | 43,175 | 1/2 | 32,413 | 1/2 | 21,839 | 1/2 | 11,032 | 1/2 | 846 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 64,509 | 3/4 | 53,729 | 3/4 | 42,950 | 3/4 | 32,194 | 3/4 | 21,614 | 3/4 | 10,807 | 3/4 | 715 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 5 | 64,284 | 5 | 53,505 | 5 | 42,726 | 5 | 31,975 | 5 | 21,389 | 5 | 10,582 | 5 | 621 | 5 | 5 | | 5 | | 5 |
| 1/4 | 64,060 | 1/4 | 53,280 | 1/4 | 42,501 | 1/4 | 31,757 | 1/4 | 21,164 | 1/4 | 10,357 | 1/4 | 527 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 63,835 | 1/2 | 53,056 | 1/2 | 42,276 | 1/2 | 31,538 | 1/2 | 20,939 | 1/2 | 10,131 | 1/2 | 433 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 63,610 | 3/4 | 52,831 | 3/4 | 42,052 | 3/4 | 31,319 | 3/4 | 20,714 | 3/4 | 9,906 | 3/4 | 340 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 6 | 63,386 | 6 | 52,607 | 6 | 41,827 | 6 | 31,100 | 6 | 20,488 | 6 | 9,681 | 6 | 283 | 6 | 6 | | 6 | | 6 |
| 1/4 | 63,161 | 1/4 | 52,382 | 1/4 | 41,603 | 1/4 | 30,882 | 1/4 | 20,263 | 1/4 | 9,456 | 1/4 | 227 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 62,937 | 1/2 | 52,157 | 1/2 | 41,378 | 1/2 | 30,663 | 1/2 | 20,038 | 1/2 | 9,231 | 1/2 | 171 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 62,712 | 3/4 | 51,933 | 3/4 | 41,154 | 3/4 | 30,444 | 3/4 | 19,813 | 3/4 | 9,006 | 3/4 | 114 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 7 | 62,488 | 7 | 51,708 | 7 | 40,929 | 7 | 30,225 | 7 | 19,588 | 7 | 8,781 | 7 | 96 | 7 | 7 | | 7 | | 7 |
| 1/4 | 62,263 | 1/4 | 51,484 | 1/4 | 40,704 | 1/4 | 30,007 | 1/4 | 19,363 | 1/4 | 8,555 | 1/4 | 77 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 62,038 | 1/2 | 51,259 | 1/2 | 40,480 | 1/2 | 29,788 | 1/2 | 19,138 | 1/2 | 8,330 | 1/2 | 58 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 61,814 | 3/4 | 51,035 | 3/4 | 40,255 | 3/4 | 29,569 | 3/4 | 18,912 | 3/4 | 8,105 | 3/4 | 39 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 8 | 61,589 | 8 | 50,810 | 8 | 40,031 | 8 | 29,350 | 8 | 18,687 | 8 | 7,880 | 8 | | 8 | 8 | | 8 | | 8 |
| 1/4 | 61,365 | 1/4 | 50,585 | 1/4 | 39,806 | 1/4 | 29,132 | 1/4 | 18,462 | 1/4 | 7,655 | 1/4 | | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 61,140 | 1/2 | 50,361 | 1/2 | 39,582 | 1/2 | 28,913 | 1/2 | 18,237 | 1/2 | 7,430 | 1/2 | | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 60,916 | 3/4 | 50,136 | 3/4 | 39,357 | 3/4 | 28,694 | 3/4 | 18,012 | 3/4 | 7,205 | 3/4 | | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 9 | 60,691 | 9 | 49,912 | 9 | 39,132 | 9 | 28,475 | 9 | 17,787 | 9 | 6,980 | 9 | | 9 | 9 | | 9 | | 9 |
| 1/4 | 60,466 | 1/4 | 49,687 | 1/4 | 38,908 | 1/4 | 28,257 | 1/4 | 17,562 | 1/4 | 6,755 | 1/4 | | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 60,242 | 1/2 | 49,463 | 1/2 | 38,683 | 1/2 | 28,038 | 1/2 | 17,336 | 1/2 | 6,530 | 1/2 | | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 60,017 | 3/4 | 49,238 | 3/4 | 38,459 | 3/4 | 27,819 | 3/4 | 17,111 | 3/4 | 6,305 | 3/4 | | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 10 | 59,793 | 10 | 49,013 | 10 | 38,234 | 10 | 27,600 | 10 | 16,886 | 10 | 6,080 | 10 | | 10 | 10 | | 10 | | 10 |
| 1/4 | 59,568 | 1/4 | 48,789 | 1/4 | 38,010 | 1/4 | 27,382 | 1/4 | 16,661 | 1/4 | 5,856 | 1/4 | | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 59,344 | 1/2 | 48,564 | 1/2 | 37,785 | 1/2 | 27,163 | 1/2 | 16,436 | 1/2 | 5,631 | 1/2 | | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 59,119 | 3/4 | 48,340 | 3/4 | 37,560 | 3/4 | 26,944 | 3/4 | 16,211 | 3/4 | 5,407 | 3/4 | | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 11 | 58,894 | 11 | 48,115 | 11 | 37,336 | 11 | 26,725 | 11 | 15,985 | 11 | 5,183 | 11 | | 11 | 11 | | 11 | | 11 |
| 1/4 | 58,670 | 1/4 | 47,891 | 1/4 | 37,111 | 1/4 | 26,507 | 1/4 | 15,760 | 1/4 | 4,959 | 1/4 | | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 58,445 | 1/2 | 47,666 | 1/2 | 36,887 | 1/2 | 26,288 | 1/2 | 15,535 | 1/2 | 4,735 | 1/2 | | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 58,221 | 3/4 | 47,441 | 3/4 | 36,662 | 3/4 | 26,069 | 3/4 | 15,310 | 3/4 | 4,512 | 3/4 | | 3/4 | 3/4 | | 3/4 | | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/11/2011 CL - SW
CALCULATED: 08/11/2011 CL
PRINTED: 08/11/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2011

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



BARGE "CBC 1336"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|-----|-------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|--------|
| 0 | | 0 | | 0 | 170,429 | 0 | 160,619 | 0 | 148,610 | 0 | 136,574 | 0 | 124,498 | 0 | 112,423 | 0 | 100,347 | 0 | 88,270 |
| 1/4 | | 1/4 | | 1/4 | 170,370 | 1/4 | 160,369 | 1/4 | 148,360 | 1/4 | 136,322 | 1/4 | 124,247 | 1/4 | 112,171 | 1/4 | 100,095 | 1/4 | 88,019 |
| 1/2 | | 1/2 | | 1/2 | 170,311 | 1/2 | 160,119 | 1/2 | 148,110 | 1/2 | 136,071 | 1/2 | 123,995 | 1/2 | 111,919 | 1/2 | 99,844 | 1/2 | 87,767 |
| 3/4 | | 3/4 | | 3/4 | 170,251 | 3/4 | 159,868 | 3/4 | 147,860 | 3/4 | 135,819 | 3/4 | 123,744 | 3/4 | 111,668 | 3/4 | 99,592 | 3/4 | 87,516 |
| 1 | | 1 | | 1 | 170,192 | 1 | 159,618 | 1 | 147,610 | 1 | 135,568 | 1 | 123,492 | 1 | 111,416 | 1 | 99,341 | 1 | 87,264 |
| 1/4 | | 1/4 | | 1/4 | 170,091 | 1/4 | 159,368 | 1/4 | 147,360 | 1/4 | 135,316 | 1/4 | 123,240 | 1/4 | 111,165 | 1/4 | 99,089 | 1/4 | 87,012 |
| 1/2 | | 1/2 | | 1/2 | 169,990 | 1/2 | 159,118 | 1/2 | 147,109 | 1/2 | 135,064 | 1/2 | 122,989 | 1/2 | 110,913 | 1/2 | 98,838 | 1/2 | 86,761 |
| 3/4 | | 3/4 | | 3/4 | 169,889 | 3/4 | 158,868 | 3/4 | 146,859 | 3/4 | 134,813 | 3/4 | 122,737 | 3/4 | 110,662 | 3/4 | 98,586 | 3/4 | 86,509 |
| 2 | | 2 | | 2 | 169,788 | 2 | 158,618 | 2 | 146,609 | 2 | 134,561 | 2 | 122,486 | 2 | 110,410 | 2 | 98,334 | 2 | 86,258 |
| 1/4 | | 1/4 | | 1/4 | 169,645 | 1/4 | 158,367 | 1/4 | 146,359 | 1/4 | 134,310 | 1/4 | 122,234 | 1/4 | 110,158 | 1/4 | 98,083 | 1/4 | 86,006 |
| 1/2 | | 1/2 | | 1/2 | 169,502 | 1/2 | 158,117 | 1/2 | 146,109 | 1/2 | 134,058 | 1/2 | 121,983 | 1/2 | 109,907 | 1/2 | 97,831 | 1/2 | 85,754 |
| 3/4 | | 3/4 | | 3/4 | 169,359 | 3/4 | 157,867 | 3/4 | 145,858 | 3/4 | 133,807 | 3/4 | 121,731 | 3/4 | 109,655 | 3/4 | 97,580 | 3/4 | 85,503 |
| 3 | | 3 | | 3 | 169,216 | 3 | 157,617 | 3 | 145,608 | 3 | 133,555 | 3 | 121,479 | 3 | 109,404 | 3 | 97,328 | 3 | 85,251 |
| 1/4 | | 1/4 | | 1/4 | 169,031 | 1/4 | 157,367 | 1/4 | 145,358 | 1/4 | 133,303 | 1/4 | 121,228 | 1/4 | 109,152 | 1/4 | 97,076 | 1/4 | 84,999 |
| 1/2 | | 1/2 | | 1/2 | 168,846 | 1/2 | 157,116 | 1/2 | 145,108 | 1/2 | 133,052 | 1/2 | 120,976 | 1/2 | 108,901 | 1/2 | 96,825 | 1/2 | 84,748 |
| 3/4 | | 3/4 | | 3/4 | 168,661 | 3/4 | 156,866 | 3/4 | 144,858 | 3/4 | 132,800 | 3/4 | 120,725 | 3/4 | 108,649 | 3/4 | 96,573 | 3/4 | 84,496 |
| 4 | | 4 | | 4 | 168,476 | 4 | 156,616 | 4 | 144,608 | 4 | 132,549 | 4 | 120,473 | 4 | 108,397 | 4 | 96,322 | 4 | 84,245 |
| 1/4 | | 1/4 | | 1/4 | 168,249 | 1/4 | 156,366 | 1/4 | 144,357 | 1/4 | 132,297 | 1/4 | 120,221 | 1/4 | 108,146 | 1/4 | 96,070 | 1/4 | 83,993 |
| 1/2 | | 1/2 | | 1/2 | 168,022 | 1/2 | 156,116 | 1/2 | 144,107 | 1/2 | 132,046 | 1/2 | 119,970 | 1/2 | 107,894 | 1/2 | 95,819 | 1/2 | 83,741 |
| 3/4 | | 3/4 | | 3/4 | 167,795 | 3/4 | 155,866 | 3/4 | 143,857 | 3/4 | 131,794 | 3/4 | 119,718 | 3/4 | 107,643 | 3/4 | 95,567 | 3/4 | 83,490 |
| 5 | | 5 | | 5 | 167,568 | 5 | 155,615 | 5 | 143,607 | 5 | 131,542 | 5 | 119,467 | 5 | 107,391 | 5 | 95,315 | 5 | 83,238 |
| 1/4 | | 1/4 | | 1/4 | 167,321 | 1/4 | 155,365 | 1/4 | 143,357 | 1/4 | 131,291 | 1/4 | 119,215 | 1/4 | 107,140 | 1/4 | 95,064 | 1/4 | 82,986 |
| 1/2 | | 1/2 | | 1/2 | 167,073 | 1/2 | 155,115 | 1/2 | 143,107 | 1/2 | 131,039 | 1/2 | 118,964 | 1/2 | 106,888 | 1/2 | 94,812 | 1/2 | 82,735 |
| 3/4 | | 3/4 | | 3/4 | 166,825 | 3/4 | 154,865 | 3/4 | 142,856 | 3/4 | 130,788 | 3/4 | 118,712 | 3/4 | 106,636 | 3/4 | 94,561 | 3/4 | 82,483 |
| 6 | | 6 | | 6 | 166,577 | 6 | 154,615 | 6 | 142,606 | 6 | 130,536 | 6 | 118,460 | 6 | 106,385 | 6 | 94,309 | 6 | 82,232 |
| 1/4 | | 1/4 | | 1/4 | 166,329 | 1/4 | 154,365 | 1/4 | 142,356 | 1/4 | 130,285 | 1/4 | 118,209 | 1/4 | 106,133 | 1/4 | 94,058 | 1/4 | 81,980 |
| 1/2 | | 1/2 | | 1/2 | 166,081 | 1/2 | 154,114 | 1/2 | 142,106 | 1/2 | 130,033 | 1/2 | 117,957 | 1/2 | 105,882 | 1/2 | 93,806 | 1/2 | 81,728 |
| 3/4 | | 3/4 | | 3/4 | 165,833 | 3/4 | 153,864 | 3/4 | 141,856 | 3/4 | 129,781 | 3/4 | 117,706 | 3/4 | 105,630 | 3/4 | 93,554 | 3/4 | 81,477 |
| 7 | | 7 | | 7 | 165,586 | 7 | 153,614 | 7 | 141,605 | 7 | 129,530 | 7 | 117,454 | 7 | 105,379 | 7 | 93,303 | 7 | 81,225 |
| 1/4 | | 1/4 | | 1/4 | 165,338 | 1/4 | 153,364 | 1/4 | 141,354 | 1/4 | 129,278 | 1/4 | 117,203 | 1/4 | 105,127 | 1/4 | 93,051 | 1/4 | 80,973 |
| 1/2 | | 1/2 | | 1/2 | 165,090 | 1/2 | 153,114 | 1/2 | 141,102 | 1/2 | 129,027 | 1/2 | 116,951 | 1/2 | 104,875 | 1/2 | 92,800 | 1/2 | 80,722 |
| 3/4 | | 3/4 | | 3/4 | 164,842 | 3/4 | 152,863 | 3/4 | 140,851 | 3/4 | 128,775 | 3/4 | 116,699 | 3/4 | 104,624 | 3/4 | 92,548 | 3/4 | 80,470 |
| 8 | | 8 | | 8 | 164,594 | 8 | 152,613 | 8 | 140,599 | 8 | 128,524 | 8 | 116,448 | 8 | 104,372 | 8 | 92,296 | 8 | 80,219 |
| 1/4 | | 1/4 | | 1/4 | 164,346 | 1/4 | 152,363 | 1/4 | 140,348 | 1/4 | 128,272 | 1/4 | 116,196 | 1/4 | 104,121 | 1/4 | 92,045 | 1/4 | 79,967 |
| 1/2 | | 1/2 | | 1/2 | 164,098 | 1/2 | 152,113 | 1/2 | 140,096 | 1/2 | 128,020 | 1/2 | 115,945 | 1/2 | 103,869 | 1/2 | 91,793 | 1/2 | 79,715 |
| 3/4 | | 3/4 | | 3/4 | 163,850 | 3/4 | 151,863 | 3/4 | 139,844 | 3/4 | 127,769 | 3/4 | 115,693 | 3/4 | 103,617 | 3/4 | 91,542 | 3/4 | 79,464 |
| 9 | | 9 | | 9 | 163,603 | 9 | 151,613 | 9 | 139,593 | 9 | 127,517 | 9 | 115,442 | 9 | 103,366 | 9 | 91,290 | 9 | 79,212 |
| 1/4 | | 1/4 | | 1/4 | 163,355 | 1/4 | 151,362 | 1/4 | 139,341 | 1/4 | 127,266 | 1/4 | 115,190 | 1/4 | 103,114 | 1/4 | 91,038 | 1/4 | 78,961 |
| 1/2 | | 1/2 | | 1/2 | 163,107 | 1/2 | 151,112 | 1/2 | 139,090 | 1/2 | 127,014 | 1/2 | 114,938 | 1/2 | 102,863 | 1/2 | 90,787 | 1/2 | 78,709 |
| 3/4 | | 3/4 | | 3/4 | 162,859 | 3/4 | 150,862 | 3/4 | 138,838 | 3/4 | 126,762 | 3/4 | 114,687 | 3/4 | 102,611 | 3/4 | 90,535 | 3/4 | 78,457 |
| 10 | | 10 | | 10 | 162,611 | 10 | 150,612 | 10 | 138,587 | 10 | 126,511 | 10 | 114,435 | 10 | 102,360 | 10 | 90,283 | 10 | 78,206 |
| 1/4 | | 1/4 | | 1/4 | 162,363 | 1/4 | 150,362 | 1/4 | 138,335 | 1/4 | 126,259 | 1/4 | 114,184 | 1/4 | 102,108 | 1/4 | 90,032 | 1/4 | 77,954 |
| 1/2 | | 1/2 | | 1/2 | 162,115 | 1/2 | 150,112 | 1/2 | 138,083 | 1/2 | 126,008 | 1/2 | 113,932 | 1/2 | 101,856 | 1/2 | 89,780 | 1/2 | 77,702 |
| 3/4 | | 3/4 | | 3/4 | 161,868 | 3/4 | 149,861 | 3/4 | 137,832 | 3/4 | 125,756 | 3/4 | 113,681 | 3/4 | 101,605 | 3/4 | 89,529 | 3/4 | 77,451 |
| 11 | | 11 | 170,498 | 11 | 161,620 | 11 | 149,611 | 11 | 137,580 | 11 | 125,505 | 11 | 113,429 | 11 | 101,353 | 11 | 89,277 | 11 | 77,199 |
| 1/4 | | 1/4 | 170,481 | 1/4 | 161,370 | 1/4 | 149,361 | 1/4 | 137,329 | 1/4 | 125,253 | 1/4 | 113,177 | 1/4 | 101,102 | 1/4 | 89,025 | 1/4 | 76,948 |
| 1/2 | | 1/2 | 170,463 | 1/2 | 161,119 | 1/2 | 149,111 | 1/2 | 137,077 | 1/2 | 125,001 | 1/2 | 112,926 | 1/2 | 100,850 | 1/2 | 88,774 | 1/2 | 76,696 |
| 3/4 | | 3/4 | 170,446 | 3/4 | 160,869 | 3/4 | 148,861 | 3/4 | 136,826 | 3/4 | 124,750 | 3/4 | 112,674 | 3/4 | 100,599 | 3/4 | 88,522 | 3/4 | 76,444 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO 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 "CBC 1336"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07"

| 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 | 76,193 | 0 | 64,115 | 0 | 52,037 | 0 | 39,960 | 0 | 28,176 | 0 | 16,098 | 0 | 4,042 | 0 | | 0 | | 0 | |
| 1/4 | 75,941 | 1/4 | 63,863 | 1/4 | 51,786 | 1/4 | 39,708 | 1/4 | 27,924 | 1/4 | 15,847 | 1/4 | 3,796 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 75,689 | 1/2 | 63,612 | 1/2 | 51,534 | 1/2 | 39,456 | 1/2 | 27,672 | 1/2 | 15,595 | 1/2 | 3,549 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 75,438 | 3/4 | 63,360 | 3/4 | 51,282 | 3/4 | 39,205 | 3/4 | 27,421 | 3/4 | 15,344 | 3/4 | 3,302 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 75,186 | 1 | 63,109 | 1 | 51,031 | 1 | 38,953 | 1 | 27,169 | 1 | 15,092 | 1 | 3,056 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 74,935 | 1/4 | 62,857 | 1/4 | 50,779 | 1/4 | 38,701 | 1/4 | 26,918 | 1/4 | 14,840 | 1/4 | 2,826 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 74,683 | 1/2 | 62,605 | 1/2 | 50,528 | 1/2 | 38,450 | 1/2 | 26,666 | 1/2 | 14,589 | 1/2 | 2,596 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 74,431 | 3/4 | 62,354 | 3/4 | 50,276 | 3/4 | 38,198 | 3/4 | 26,414 | 3/4 | 14,337 | 3/4 | 2,366 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 74,180 | 2 | 62,102 | 2 | 50,024 | 2 | 37,947 | 2 | 26,163 | 2 | 14,085 | 2 | 2,136 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/4 | 73,928 | 1/4 | 61,850 | 1/4 | 49,773 | 1/4 | 37,702 | 1/4 | 25,911 | 1/4 | 13,834 | 1/4 | 1,947 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 73,677 | 1/2 | 61,599 | 1/2 | 49,521 | 1/2 | 37,457 | 1/2 | 25,660 | 1/2 | 13,582 | 1/2 | 1,759 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 73,425 | 3/4 | 61,347 | 3/4 | 49,269 | 3/4 | 37,213 | 3/4 | 25,408 | 3/4 | 13,331 | 3/4 | 1,570 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 73,173 | 3 | 61,096 | 3 | 49,018 | 3 | 36,968 | 3 | 25,156 | 3 | 13,079 | 3 | 1,381 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1/4 | 72,922 | 1/4 | 60,844 | 1/4 | 48,766 | 1/4 | 36,724 | 1/4 | 24,905 | 1/4 | 12,827 | 1/4 | 1,234 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 72,670 | 1/2 | 60,592 | 1/2 | 48,515 | 1/2 | 36,480 | 1/2 | 24,653 | 1/2 | 12,576 | 1/2 | 1,088 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 72,418 | 3/4 | 60,341 | 3/4 | 48,263 | 3/4 | 36,236 | 3/4 | 24,401 | 3/4 | 12,324 | 3/4 | 941 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 72,167 | 4 | 60,089 | 4 | 48,011 | 4 | 35,991 | 4 | 24,150 | 4 | 12,073 | 4 | 794 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1/4 | 71,915 | 1/4 | 59,837 | 1/4 | 47,760 | 1/4 | 35,747 | 1/4 | 23,898 | 1/4 | 11,821 | 1/4 | 689 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 71,664 | 1/2 | 59,586 | 1/2 | 47,508 | 1/2 | 35,503 | 1/2 | 23,647 | 1/2 | 11,569 | 1/2 | 584 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 71,412 | 3/4 | 59,334 | 3/4 | 47,256 | 3/4 | 35,259 | 3/4 | 23,395 | 3/4 | 11,318 | 3/4 | 480 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 71,160 | 5 | 59,083 | 5 | 47,005 | 5 | 35,015 | 5 | 23,143 | 5 | 11,066 | 5 | 375 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1/4 | 70,909 | 1/4 | 58,831 | 1/4 | 46,753 | 1/4 | 34,770 | 1/4 | 22,892 | 1/4 | 10,815 | 1/4 | 312 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 70,657 | 1/2 | 58,579 | 1/2 | 46,502 | 1/2 | 34,526 | 1/2 | 22,640 | 1/2 | 10,563 | 1/2 | 249 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 70,405 | 3/4 | 58,328 | 3/4 | 46,250 | 3/4 | 34,282 | 3/4 | 22,389 | 3/4 | 10,311 | 3/4 | 186 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 70,154 | 6 | 58,076 | 6 | 45,998 | 6 | 34,038 | 6 | 22,137 | 6 | 10,060 | 6 | 123 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1/4 | 69,902 | 1/4 | 57,824 | 1/4 | 45,747 | 1/4 | 33,794 | 1/4 | 21,885 | 1/4 | 9,808 | 1/4 | 102 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 69,651 | 1/2 | 57,573 | 1/2 | 45,495 | 1/2 | 33,549 | 1/2 | 21,634 | 1/2 | 9,556 | 1/2 | 81 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 69,399 | 3/4 | 57,321 | 3/4 | 45,244 | 3/4 | 33,305 | 3/4 | 21,382 | 3/4 | 9,305 | 3/4 | 60 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 69,147 | 7 | 57,070 | 7 | 44,992 | 7 | 33,061 | 7 | 21,131 | 7 | 9,053 | 7 | 39 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1/4 | 68,896 | 1/4 | 56,818 | 1/4 | 44,740 | 1/4 | 32,817 | 1/4 | 20,879 | 1/4 | 8,802 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 68,644 | 1/2 | 56,566 | 1/2 | 44,489 | 1/2 | 32,573 | 1/2 | 20,627 | 1/2 | 8,550 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 68,393 | 3/4 | 56,315 | 3/4 | 44,237 | 3/4 | 32,328 | 3/4 | 20,376 | 3/4 | 8,298 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 68,141 | 8 | 56,063 | 8 | 43,985 | 8 | 32,084 | 8 | 20,124 | 8 | 8,047 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1/4 | 67,889 | 1/4 | 55,812 | 1/4 | 43,734 | 1/4 | 31,840 | 1/4 | 19,873 | 1/4 | 7,796 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 67,638 | 1/2 | 55,560 | 1/2 | 43,482 | 1/2 | 31,596 | 1/2 | 19,621 | 1/2 | 7,544 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 67,386 | 3/4 | 55,308 | 3/4 | 43,231 | 3/4 | 31,352 | 3/4 | 19,369 | 3/4 | 7,293 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 67,134 | 9 | 55,057 | 9 | 42,979 | 9 | 31,107 | 9 | 19,118 | 9 | 7,041 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1/4 | 66,883 | 1/4 | 54,805 | 1/4 | 42,727 | 1/4 | 30,863 | 1/4 | 18,866 | 1/4 | 6,790 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 66,631 | 1/2 | 54,553 | 1/2 | 42,476 | 1/2 | 30,619 | 1/2 | 18,614 | 1/2 | 6,540 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 66,380 | 3/4 | 54,302 | 3/4 | 42,224 | 3/4 | 30,375 | 3/4 | 18,363 | 3/4 | 6,289 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 66,128 | 10 | 54,050 | 10 | 41,972 | 10 | 30,131 | 10 | 18,111 | 10 | 6,038 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1/4 | 65,876 | 1/4 | 53,799 | 1/4 | 41,721 | 1/4 | 29,886 | 1/4 | 17,860 | 1/4 | 5,788 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 65,625 | 1/2 | 53,547 | 1/2 | 41,469 | 1/2 | 29,642 | 1/2 | 17,608 | 1/2 | 5,538 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 65,373 | 3/4 | 53,295 | 3/4 | 41,218 | 3/4 | 29,398 | 3/4 | 17,356 | 3/4 | 5,288 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 65,121 | 11 | 53,044 | 11 | 40,966 | 11 | 29,154 | 11 | 17,105 | 11 | 5,037 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1/4 | 64,870 | 1/4 | 52,792 | 1/4 | 40,714 | 1/4 | 28,909 | 1/4 | 16,853 | 1/4 | 4,789 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 64,618 | 1/2 | 52,540 | 1/2 | 40,463 | 1/2 | 28,665 | 1/2 | 16,602 | 1/2 | 4,540 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 64,367 | 3/4 | 52,289 | 3/4 | 40,211 | 3/4 | 28,420 | 3/4 | 16,350 | 3/4 | 4,291 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/11/2011 CL - SW
CALCULATED: 08/11/2011 CL
PRINTED: 08/11/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2011

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



BARGE "CBC 1336"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|-----|-------|-----|-------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|--------|-----|--------|
| 0 | | 0 | | 0 | 151,421 | 0 | 143,548 | 0 | 132,899 | 0 | 122,231 | 0 | 111,524 | 0 | 100,816 | 0 | 90,109 | 0 | 79,401 |
| 1/4 | | 1/4 | | 1/4 | 151,406 | 1/4 | 143,326 | 1/4 | 132,677 | 1/4 | 122,008 | 1/4 | 111,300 | 1/4 | 100,593 | 1/4 | 89,886 | 1/4 | 79,177 |
| 1/2 | | 1/2 | | 1/2 | 151,391 | 1/2 | 143,104 | 1/2 | 132,456 | 1/2 | 121,785 | 1/2 | 111,077 | 1/2 | 100,370 | 1/2 | 89,662 | 1/2 | 78,954 |
| 3/4 | | 3/4 | | 3/4 | 151,375 | 3/4 | 142,883 | 3/4 | 132,234 | 3/4 | 121,562 | 3/4 | 110,854 | 3/4 | 100,147 | 3/4 | 89,439 | 3/4 | 78,731 |
| 1 | | 1 | | 1 | 151,360 | 1 | 142,661 | 1 | 132,012 | 1 | 121,339 | 1 | 110,631 | 1 | 99,924 | 1 | 89,216 | 1 | 78,508 |
| 1/4 | | 1/4 | | 1/4 | 151,308 | 1/4 | 142,439 | 1/4 | 131,790 | 1/4 | 121,116 | 1/4 | 110,408 | 1/4 | 99,701 | 1/4 | 88,993 | 1/4 | 78,285 |
| 1/2 | | 1/2 | | 1/2 | 151,255 | 1/2 | 142,217 | 1/2 | 131,568 | 1/2 | 120,893 | 1/2 | 110,185 | 1/2 | 99,478 | 1/2 | 88,770 | 1/2 | 78,062 |
| 3/4 | | 3/4 | | 3/4 | 151,203 | 3/4 | 141,995 | 3/4 | 131,346 | 3/4 | 120,669 | 3/4 | 109,962 | 3/4 | 99,255 | 3/4 | 88,547 | 3/4 | 77,839 |
| 2 | | 2 | | 2 | 151,150 | 2 | 141,773 | 2 | 131,125 | 2 | 120,446 | 2 | 109,739 | 2 | 99,031 | 2 | 88,324 | 2 | 77,616 |
| 1/4 | | 1/4 | | 1/4 | 151,060 | 1/4 | 141,551 | 1/4 | 130,903 | 1/4 | 120,223 | 1/4 | 109,516 | 1/4 | 98,808 | 1/4 | 88,101 | 1/4 | 77,393 |
| 1/2 | | 1/2 | | 1/2 | 150,971 | 1/2 | 141,330 | 1/2 | 130,681 | 1/2 | 120,000 | 1/2 | 109,293 | 1/2 | 98,585 | 1/2 | 87,878 | 1/2 | 77,169 |
| 3/4 | | 3/4 | | 3/4 | 150,881 | 3/4 | 141,108 | 3/4 | 130,459 | 3/4 | 119,777 | 3/4 | 109,070 | 3/4 | 98,362 | 3/4 | 87,655 | 3/4 | 76,946 |
| 3 | | 3 | | 3 | 150,792 | 3 | 140,886 | 3 | 130,237 | 3 | 119,554 | 3 | 108,847 | 3 | 98,139 | 3 | 87,432 | 3 | 76,723 |
| 1/4 | | 1/4 | | 1/4 | 150,665 | 1/4 | 140,664 | 1/4 | 130,015 | 1/4 | 119,331 | 1/4 | 108,624 | 1/4 | 97,916 | 1/4 | 87,209 | 1/4 | 76,500 |
| 1/2 | | 1/2 | | 1/2 | 150,538 | 1/2 | 140,442 | 1/2 | 129,793 | 1/2 | 119,108 | 1/2 | 108,401 | 1/2 | 97,693 | 1/2 | 86,986 | 1/2 | 76,277 |
| 3/4 | | 3/4 | | 3/4 | 150,411 | 3/4 | 140,220 | 3/4 | 129,572 | 3/4 | 118,885 | 3/4 | 108,177 | 3/4 | 97,470 | 3/4 | 86,763 | 3/4 | 76,054 |
| 4 | | 4 | | 4 | 150,284 | 4 | 139,998 | 4 | 129,350 | 4 | 118,662 | 4 | 107,954 | 4 | 97,247 | 4 | 86,539 | 4 | 75,831 |
| 1/4 | | 1/4 | | 1/4 | 150,120 | 1/4 | 139,777 | 1/4 | 129,128 | 1/4 | 118,439 | 1/4 | 107,731 | 1/4 | 97,024 | 1/4 | 86,316 | 1/4 | 75,608 |
| 1/2 | | 1/2 | | 1/2 | 149,956 | 1/2 | 139,555 | 1/2 | 128,906 | 1/2 | 118,216 | 1/2 | 107,508 | 1/2 | 96,801 | 1/2 | 86,093 | 1/2 | 75,385 |
| 3/4 | | 3/4 | | 3/4 | 149,792 | 3/4 | 139,333 | 3/4 | 128,684 | 3/4 | 117,993 | 3/4 | 107,285 | 3/4 | 96,578 | 3/4 | 85,870 | 3/4 | 75,161 |
| 5 | | 5 | | 5 | 149,628 | 5 | 139,111 | 5 | 128,462 | 5 | 117,770 | 5 | 107,062 | 5 | 96,355 | 5 | 85,647 | 5 | 74,938 |
| 1/4 | | 1/4 | | 1/4 | 149,427 | 1/4 | 138,889 | 1/4 | 128,240 | 1/4 | 117,546 | 1/4 | 106,839 | 1/4 | 96,132 | 1/4 | 85,424 | 1/4 | 74,715 |
| 1/2 | | 1/2 | | 1/2 | 149,226 | 1/2 | 138,667 | 1/2 | 128,019 | 1/2 | 117,323 | 1/2 | 106,616 | 1/2 | 95,908 | 1/2 | 85,201 | 1/2 | 74,492 |
| 3/4 | | 3/4 | | 3/4 | 149,024 | 3/4 | 138,446 | 3/4 | 127,797 | 3/4 | 117,100 | 3/4 | 106,393 | 3/4 | 95,685 | 3/4 | 84,978 | 3/4 | 74,269 |
| 6 | | 6 | | 6 | 148,823 | 6 | 138,224 | 6 | 127,575 | 6 | 116,877 | 6 | 106,170 | 6 | 95,462 | 6 | 84,755 | 6 | 74,046 |
| 1/4 | | 1/4 | | 1/4 | 148,603 | 1/4 | 138,002 | 1/4 | 127,353 | 1/4 | 116,654 | 1/4 | 105,947 | 1/4 | 95,239 | 1/4 | 84,532 | 1/4 | 73,823 |
| 1/2 | | 1/2 | | 1/2 | 148,384 | 1/2 | 137,780 | 1/2 | 127,131 | 1/2 | 116,431 | 1/2 | 105,724 | 1/2 | 95,016 | 1/2 | 84,309 | 1/2 | 73,600 |
| 3/4 | | 3/4 | | 3/4 | 148,164 | 3/4 | 137,558 | 3/4 | 126,909 | 3/4 | 116,208 | 3/4 | 105,501 | 3/4 | 94,793 | 3/4 | 84,086 | 3/4 | 73,377 |
| 7 | | 7 | | 7 | 147,944 | 7 | 137,336 | 7 | 126,688 | 7 | 115,985 | 7 | 105,278 | 7 | 94,570 | 7 | 83,863 | 7 | 73,153 |
| 1/4 | | 1/4 | | 1/4 | 147,724 | 1/4 | 137,114 | 1/4 | 126,466 | 1/4 | 115,762 | 1/4 | 105,054 | 1/4 | 94,347 | 1/4 | 83,640 | 1/4 | 72,930 |
| 1/2 | | 1/2 | | 1/2 | 147,504 | 1/2 | 136,893 | 1/2 | 126,244 | 1/2 | 115,539 | 1/2 | 104,831 | 1/2 | 94,124 | 1/2 | 83,416 | 1/2 | 72,707 |
| 3/4 | | 3/4 | | 3/4 | 147,285 | 3/4 | 136,671 | 3/4 | 126,022 | 3/4 | 115,316 | 3/4 | 104,608 | 3/4 | 93,901 | 3/4 | 83,193 | 3/4 | 72,484 |
| 8 | | 8 | | 8 | 147,065 | 8 | 136,449 | 8 | 125,800 | 8 | 115,093 | 8 | 104,385 | 8 | 93,678 | 8 | 82,970 | 8 | 72,261 |
| 1/4 | | 1/4 | | 1/4 | 146,845 | 1/4 | 136,227 | 1/4 | 125,577 | 1/4 | 114,870 | 1/4 | 104,162 | 1/4 | 93,455 | 1/4 | 82,747 | 1/4 | 72,038 |
| 1/2 | | 1/2 | | 1/2 | 146,625 | 1/2 | 136,005 | 1/2 | 125,354 | 1/2 | 114,647 | 1/2 | 103,939 | 1/2 | 93,232 | 1/2 | 82,524 | 1/2 | 71,815 |
| 3/4 | | 3/4 | | 3/4 | 146,405 | 3/4 | 135,783 | 3/4 | 125,131 | 3/4 | 114,423 | 3/4 | 103,716 | 3/4 | 93,009 | 3/4 | 82,301 | 3/4 | 71,592 |
| 9 | | 9 | | 9 | 146,186 | 9 | 135,562 | 9 | 124,908 | 9 | 114,200 | 9 | 103,493 | 9 | 92,785 | 9 | 82,078 | 9 | 71,369 |
| 1/4 | | 1/4 | | 1/4 | 145,966 | 1/4 | 135,340 | 1/4 | 124,685 | 1/4 | 113,977 | 1/4 | 103,270 | 1/4 | 92,562 | 1/4 | 81,855 | 1/4 | 71,145 |
| 1/2 | | 1/2 | | 1/2 | 145,746 | 1/2 | 135,118 | 1/2 | 124,462 | 1/2 | 113,754 | 1/2 | 103,047 | 1/2 | 92,339 | 1/2 | 81,632 | 1/2 | 70,922 |
| 3/4 | | 3/4 | | 3/4 | 145,526 | 3/4 | 134,896 | 3/4 | 124,239 | 3/4 | 113,531 | 3/4 | 102,824 | 3/4 | 92,116 | 3/4 | 81,409 | 3/4 | 70,699 |
| 10 | | 10 | | 10 | 145,306 | 10 | 134,674 | 10 | 124,016 | 10 | 113,308 | 10 | 102,601 | 10 | 91,893 | 10 | 81,185 | 10 | 70,476 |
| 1/4 | | 1/4 | | 1/4 | 145,087 | 1/4 | 134,452 | 1/4 | 123,793 | 1/4 | 113,085 | 1/4 | 102,378 | 1/4 | 91,670 | 1/4 | 80,962 | 1/4 | 70,253 |
| 1/2 | | 1/2 | | 1/2 | 144,867 | 1/2 | 134,230 | 1/2 | 123,569 | 1/2 | 112,862 | 1/2 | 102,154 | 1/2 | 91,447 | 1/2 | 80,739 | 1/2 | 70,030 |
| 3/4 | | 3/4 | | 3/4 | 144,647 | 3/4 | 134,009 | 3/4 | 123,346 | 3/4 | 112,639 | 3/4 | 101,931 | 3/4 | 91,224 | 3/4 | 80,516 | 3/4 | 69,807 |
| 11 | | 11 | | 11 | 144,427 | 11 | 133,787 | 11 | 123,123 | 11 | 112,416 | 11 | 101,708 | 11 | 91,001 | 11 | 80,293 | 11 | 69,584 |
| 1/4 | | 1/4 | | 1/4 | 144,207 | 1/4 | 133,565 | 1/4 | 122,900 | 1/4 | 112,193 | 1/4 | 101,485 | 1/4 | 90,778 | 1/4 | 80,070 | 1/4 | 69,361 |
| 1/2 | | 1/2 | | 1/2 | 143,988 | 1/2 | 133,343 | 1/2 | 122,677 | 1/2 | 111,970 | 1/2 | 101,262 | 1/2 | 90,555 | 1/2 | 79,847 | 1/2 | 69,137 |
| 3/4 | | 3/4 | | 3/4 | 143,768 | 3/4 | 133,121 | 3/4 | 122,454 | 3/4 | 111,747 | 3/4 | 101,039 | 3/4 | 90,332 | 3/4 | 79,624 | 3/4 | 68,914 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 23'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 1336"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08"

| 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 | 68,691 | 0 | 57,982 | 0 | 47,273 | 0 | 36,563 | 0 | 25,877 | 0 | 15,171 | 0 | 4,471 | 0 | | 0 | | 0 | |
| 1/4 | 68,468 | 1/4 | 57,759 | 1/4 | 47,050 | 1/4 | 36,340 | 1/4 | 25,654 | 1/4 | 14,948 | 1/4 | 4,250 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 68,245 | 1/2 | 57,536 | 1/2 | 46,826 | 1/2 | 36,117 | 1/2 | 25,432 | 1/2 | 14,725 | 1/2 | 4,030 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 68,022 | 3/4 | 57,313 | 3/4 | 46,603 | 3/4 | 35,894 | 3/4 | 25,209 | 3/4 | 14,502 | 3/4 | 3,809 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 1 | 67,799 | 1 | 57,090 | 1 | 46,380 | 1 | 35,671 | 1 | 24,986 | 1 | 14,279 | 1 | 3,589 | 1 | 1 | | 1 | | 1 |
| 1/4 | 67,576 | 1/4 | 56,866 | 1/4 | 46,157 | 1/4 | 35,448 | 1/4 | 24,763 | 1/4 | 14,056 | 1/4 | 3,370 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 67,353 | 1/2 | 56,643 | 1/2 | 45,934 | 1/2 | 35,225 | 1/2 | 24,541 | 1/2 | 13,832 | 1/2 | 3,151 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 67,129 | 3/4 | 56,420 | 3/4 | 45,711 | 3/4 | 35,002 | 3/4 | 24,318 | 3/4 | 13,609 | 3/4 | 2,933 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 2 | 66,906 | 2 | 56,197 | 2 | 45,488 | 2 | 34,779 | 2 | 24,095 | 2 | 13,386 | 2 | 2,714 | 2 | 2 | | 2 | | 2 |
| 1/4 | 66,683 | 1/4 | 55,974 | 1/4 | 45,265 | 1/4 | 34,555 | 1/4 | 23,872 | 1/4 | 13,163 | 1/4 | 2,510 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 66,460 | 1/2 | 55,751 | 1/2 | 45,042 | 1/2 | 34,332 | 1/2 | 23,649 | 1/2 | 12,940 | 1/2 | 2,306 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 66,237 | 3/4 | 55,528 | 3/4 | 44,818 | 3/4 | 34,109 | 3/4 | 23,426 | 3/4 | 12,717 | 3/4 | 2,102 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 3 | 66,014 | 3 | 55,305 | 3 | 44,595 | 3 | 33,886 | 3 | 23,203 | 3 | 12,494 | 3 | 1,898 | 3 | 3 | | 3 | | 3 |
| 1/4 | 65,791 | 1/4 | 55,082 | 1/4 | 44,372 | 1/4 | 33,663 | 1/4 | 22,980 | 1/4 | 12,271 | 1/4 | 1,731 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 65,568 | 1/2 | 54,858 | 1/2 | 44,149 | 1/2 | 33,440 | 1/2 | 22,757 | 1/2 | 12,048 | 1/2 | 1,564 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 65,345 | 3/4 | 54,635 | 3/4 | 43,926 | 3/4 | 33,217 | 3/4 | 22,533 | 3/4 | 11,825 | 3/4 | 1,396 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 4 | 65,121 | 4 | 54,412 | 4 | 43,703 | 4 | 32,994 | 4 | 22,310 | 4 | 11,601 | 4 | 1,229 | 4 | 4 | | 4 | | 4 |
| 1/4 | 64,898 | 1/4 | 54,189 | 1/4 | 43,480 | 1/4 | 32,771 | 1/4 | 22,087 | 1/4 | 11,378 | 1/4 | 1,099 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 64,675 | 1/2 | 53,966 | 1/2 | 43,257 | 1/2 | 32,549 | 1/2 | 21,864 | 1/2 | 11,155 | 1/2 | 969 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 64,452 | 3/4 | 53,743 | 3/4 | 43,034 | 3/4 | 32,326 | 3/4 | 21,641 | 3/4 | 10,932 | 3/4 | 839 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 5 | 64,229 | 5 | 53,520 | 5 | 42,811 | 5 | 32,104 | 5 | 21,418 | 5 | 10,709 | 5 | 708 | 5 | 5 | | 5 | | 5 |
| 1/4 | 64,006 | 1/4 | 53,297 | 1/4 | 42,587 | 1/4 | 31,882 | 1/4 | 21,195 | 1/4 | 10,486 | 1/4 | 616 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 63,783 | 1/2 | 53,074 | 1/2 | 42,364 | 1/2 | 31,659 | 1/2 | 20,972 | 1/2 | 10,263 | 1/2 | 523 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 63,560 | 3/4 | 52,850 | 3/4 | 42,141 | 3/4 | 31,437 | 3/4 | 20,749 | 3/4 | 10,040 | 3/4 | 430 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 6 | 63,337 | 6 | 52,627 | 6 | 41,918 | 6 | 31,215 | 6 | 20,525 | 6 | 9,817 | 6 | 337 | 6 | 6 | | 6 | | 6 |
| 1/4 | 63,114 | 1/4 | 52,404 | 1/4 | 41,695 | 1/4 | 30,992 | 1/4 | 20,302 | 1/4 | 9,594 | 1/4 | 281 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 62,890 | 1/2 | 52,181 | 1/2 | 41,472 | 1/2 | 30,770 | 1/2 | 20,079 | 1/2 | 9,370 | 1/2 | 225 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 62,667 | 3/4 | 51,958 | 3/4 | 41,249 | 3/4 | 30,547 | 3/4 | 19,856 | 3/4 | 9,147 | 3/4 | 169 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 7 | 62,444 | 7 | 51,735 | 7 | 41,026 | 7 | 30,325 | 7 | 19,633 | 7 | 8,924 | 7 | 114 | 7 | 7 | | 7 | | 7 |
| 1/4 | 62,221 | 1/4 | 51,512 | 1/4 | 40,803 | 1/4 | 30,103 | 1/4 | 19,410 | 1/4 | 8,701 | 1/4 | 95 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 61,998 | 1/2 | 51,289 | 1/2 | 40,579 | 1/2 | 29,880 | 1/2 | 19,187 | 1/2 | 8,478 | 1/2 | 76 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 61,775 | 3/4 | 51,066 | 3/4 | 40,356 | 3/4 | 29,658 | 3/4 | 18,964 | 3/4 | 8,255 | 3/4 | 58 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 8 | 61,552 | 8 | 50,842 | 8 | 40,133 | 8 | 29,435 | 8 | 18,741 | 8 | 8,032 | 8 | 39 | 8 | 8 | | 8 | | 8 |
| 1/4 | 61,329 | 1/4 | 50,619 | 1/4 | 39,910 | 1/4 | 29,213 | 1/4 | 18,518 | 1/4 | 7,809 | 1/4 | | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 61,106 | 1/2 | 50,396 | 1/2 | 39,687 | 1/2 | 28,991 | 1/2 | 18,294 | 1/2 | 7,586 | 1/2 | | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 60,882 | 3/4 | 50,173 | 3/4 | 39,464 | 3/4 | 28,768 | 3/4 | 18,071 | 3/4 | 7,363 | 3/4 | | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 9 | 60,659 | 9 | 49,950 | 9 | 39,241 | 9 | 28,546 | 9 | 17,848 | 9 | 7,140 | 9 | | 9 | 9 | | 9 | | 9 |
| 1/4 | 60,436 | 1/4 | 49,727 | 1/4 | 39,018 | 1/4 | 28,323 | 1/4 | 17,625 | 1/4 | 6,917 | 1/4 | | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 60,213 | 1/2 | 49,504 | 1/2 | 38,795 | 1/2 | 28,101 | 1/2 | 17,402 | 1/2 | 6,694 | 1/2 | | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 59,990 | 3/4 | 49,281 | 3/4 | 38,571 | 3/4 | 27,879 | 3/4 | 17,179 | 3/4 | 6,471 | 3/4 | | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 10 | 59,767 | 10 | 49,058 | 10 | 38,348 | 10 | 27,656 | 10 | 16,956 | 10 | 6,248 | 10 | | 10 | 10 | | 10 | | 10 |
| 1/4 | 59,544 | 1/4 | 48,834 | 1/4 | 38,125 | 1/4 | 27,434 | 1/4 | 16,733 | 1/4 | 6,025 | 1/4 | | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 59,321 | 1/2 | 48,611 | 1/2 | 37,902 | 1/2 | 27,211 | 1/2 | 16,510 | 1/2 | 5,803 | 1/2 | | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 59,098 | 3/4 | 48,388 | 3/4 | 37,679 | 3/4 | 26,989 | 3/4 | 16,287 | 3/4 | 5,581 | 3/4 | | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 11 | 58,874 | 11 | 48,165 | 11 | 37,456 | 11 | 26,767 | 11 | 16,063 | 11 | 5,358 | 11 | | 11 | 11 | | 11 | | 11 |
| 1/4 | 58,651 | 1/4 | 47,942 | 1/4 | 37,233 | 1/4 | 26,544 | 1/4 | 15,840 | 1/4 | 5,136 | 1/4 | | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 58,428 | 1/2 | 47,719 | 1/2 | 37,010 | 1/2 | 26,322 | 1/2 | 15,617 | 1/2 | 4,915 | 1/2 | | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 58,205 | 3/4 | 47,496 | 3/4 | 36,787 | 3/4 | 26,099 | 3/4 | 15,394 | 3/4 | 4,693 | 3/4 | | 3/4 | 3/4 | | 3/4 | | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/11/2011 CL - SW
CALCULATED: 08/11/2011 CL
PRINTED: 08/11/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2011

PRECISION MEASUREMENT
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