



# BARGE "CBC 386"

## 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 PORT | 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     |
| 1 STBD | 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 PORT | 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 STBD | 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     |
| 3 PORT | - 00-1/2   | 00-1/2       | - 01-1/8   | 01-1/8       | - 01-5/8   | 01-5/8       | - 02-1/4   | 02-1/4       | - 02-3/4   | 02-3/4       | - 03-3/8   | 03-3/8       |
| 3 STBD | - 00-1/2   | 00-1/2       | - 01-1/8   | 01-1/8       | - 01-5/8   | 01-5/8       | - 02-1/4   | 02-1/4       | - 02-3/4   | 02-3/4       | - 03-3/8   | 03-3/8       |

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 4'-00"  
 AFT DRAFT = 6'-00"  
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-1/8"  
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 253'-09"

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PRECISION MEASUREMENT  
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# BARGE "CBC 386"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

| IN  | 0 FT.  | IN  | 1 FT.  | IN  | 2 FT.  | IN  | 3 FT.  | IN  | 4 FT.  | IN  | 5 FT.  | IN  | 6 FT.   | IN  | 7 FT.   | IN  | 8 FT.   | IN  | 9 FT.   |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|---------|-----|---------|-----|---------|-----|---------|
| 0   | 965    | 0   | 15,241 | 0   | 30,478 | 0   | 45,704 | 0   | 60,931 | 0   | 76,169 | 0   | 91,406  | 0   | 106,643 | 0   | 121,877 | 0   | 137,108 |
| 1/4 | 1,150  | 1/4 | 15,558 | 1/4 | 30,795 | 1/4 | 46,021 | 1/4 | 61,249 | 1/4 | 76,486 | 1/4 | 91,724  | 1/4 | 106,961 | 1/4 | 122,194 | 1/4 | 137,426 |
| 1/2 | 1,335  | 1/2 | 15,876 | 1/2 | 31,112 | 1/2 | 46,338 | 1/2 | 61,566 | 1/2 | 76,804 | 1/2 | 92,041  | 1/2 | 107,278 | 1/2 | 122,511 | 1/2 | 137,743 |
| 3/4 | 1,520  | 3/4 | 16,193 | 3/4 | 31,430 | 3/4 | 46,655 | 3/4 | 61,884 | 3/4 | 77,121 | 3/4 | 92,358  | 3/4 | 107,596 | 3/4 | 122,829 | 3/4 | 138,060 |
| 1   | 1,705  | 1   | 16,510 | 1   | 31,747 | 1   | 46,972 | 1   | 62,201 | 1   | 77,438 | 1   | 92,676  | 1   | 107,913 | 1   | 123,146 | 1   | 138,378 |
| 1/4 | 1,943  | 1/4 | 16,828 | 1/4 | 32,065 | 1/4 | 47,289 | 1/4 | 62,519 | 1/4 | 77,756 | 1/4 | 92,993  | 1/4 | 108,231 | 1/4 | 123,463 | 1/4 | 138,695 |
| 1/2 | 2,181  | 1/2 | 17,145 | 1/2 | 32,382 | 1/2 | 47,606 | 1/2 | 62,836 | 1/2 | 78,073 | 1/2 | 93,311  | 1/2 | 108,548 | 1/2 | 123,781 | 1/2 | 139,012 |
| 3/4 | 2,419  | 3/4 | 17,463 | 3/4 | 32,700 | 3/4 | 47,923 | 3/4 | 63,153 | 3/4 | 78,391 | 3/4 | 93,628  | 3/4 | 108,866 | 3/4 | 124,098 | 3/4 | 139,330 |
| 2   | 2,658  | 2   | 17,780 | 2   | 33,017 | 2   | 48,240 | 2   | 63,471 | 2   | 78,708 | 2   | 93,946  | 2   | 109,183 | 2   | 124,415 | 2   | 139,647 |
| 1/4 | 2,948  | 1/4 | 18,098 | 1/4 | 33,334 | 1/4 | 48,557 | 1/4 | 63,788 | 1/4 | 79,026 | 1/4 | 94,263  | 1/4 | 109,500 | 1/4 | 124,733 | 1/4 | 139,964 |
| 1/2 | 3,239  | 1/2 | 18,415 | 1/2 | 33,652 | 1/2 | 48,874 | 1/2 | 64,106 | 1/2 | 79,343 | 1/2 | 94,581  | 1/2 | 109,818 | 1/2 | 125,050 | 1/2 | 140,282 |
| 3/4 | 3,530  | 3/4 | 18,732 | 3/4 | 33,969 | 3/4 | 49,190 | 3/4 | 64,423 | 3/4 | 79,661 | 3/4 | 94,898  | 3/4 | 110,135 | 3/4 | 125,367 | 3/4 | 140,599 |
| 3   | 3,821  | 3   | 19,050 | 3   | 34,287 | 3   | 49,507 | 3   | 64,741 | 3   | 79,978 | 3   | 95,215  | 3   | 110,453 | 3   | 125,685 | 3   | 140,916 |
| 1/4 | 4,137  | 1/4 | 19,367 | 1/4 | 34,604 | 1/4 | 49,824 | 1/4 | 65,058 | 1/4 | 80,295 | 1/4 | 95,533  | 1/4 | 110,770 | 1/4 | 126,002 | 1/4 | 141,234 |
| 1/2 | 4,453  | 1/2 | 19,685 | 1/2 | 34,922 | 1/2 | 50,141 | 1/2 | 65,376 | 1/2 | 80,613 | 1/2 | 95,850  | 1/2 | 111,087 | 1/2 | 126,319 | 1/2 | 141,551 |
| 3/4 | 4,769  | 3/4 | 20,002 | 3/4 | 35,239 | 3/4 | 50,458 | 3/4 | 65,693 | 3/4 | 80,930 | 3/4 | 96,168  | 3/4 | 111,405 | 3/4 | 126,637 | 3/4 | 141,868 |
| 4   | 5,085  | 4   | 20,320 | 4   | 35,556 | 4   | 50,775 | 4   | 66,010 | 4   | 81,248 | 4   | 96,485  | 4   | 111,722 | 4   | 126,954 | 4   | 142,186 |
| 1/4 | 5,402  | 1/4 | 20,637 | 1/4 | 35,874 | 1/4 | 51,092 | 1/4 | 66,328 | 1/4 | 81,565 | 1/4 | 96,803  | 1/4 | 112,039 | 1/4 | 127,271 | 1/4 | 142,503 |
| 1/2 | 5,719  | 1/2 | 20,955 | 1/2 | 36,191 | 1/2 | 51,409 | 1/2 | 66,645 | 1/2 | 81,883 | 1/2 | 97,120  | 1/2 | 112,357 | 1/2 | 127,589 | 1/2 | 142,820 |
| 3/4 | 6,036  | 3/4 | 21,272 | 3/4 | 36,509 | 3/4 | 51,726 | 3/4 | 66,963 | 3/4 | 82,200 | 3/4 | 97,438  | 3/4 | 112,674 | 3/4 | 127,906 | 3/4 | 143,138 |
| 5   | 6,353  | 5   | 21,589 | 5   | 36,826 | 5   | 52,043 | 5   | 67,280 | 5   | 82,518 | 5   | 97,755  | 5   | 112,991 | 5   | 128,223 | 5   | 143,455 |
| 1/4 | 6,670  | 1/4 | 21,907 | 1/4 | 37,144 | 1/4 | 52,360 | 1/4 | 67,598 | 1/4 | 82,835 | 1/4 | 98,072  | 1/4 | 113,309 | 1/4 | 128,541 | 1/4 | 143,772 |
| 1/2 | 6,988  | 1/2 | 22,224 | 1/2 | 37,461 | 1/2 | 52,678 | 1/2 | 67,915 | 1/2 | 83,153 | 1/2 | 98,390  | 1/2 | 113,626 | 1/2 | 128,858 | 1/2 | 144,090 |
| 3/4 | 7,305  | 3/4 | 22,542 | 3/4 | 37,778 | 3/4 | 52,995 | 3/4 | 68,233 | 3/4 | 83,470 | 3/4 | 98,707  | 3/4 | 113,943 | 3/4 | 129,175 | 3/4 | 144,407 |
| 6   | 7,622  | 6   | 22,859 | 6   | 38,096 | 6   | 53,313 | 6   | 68,550 | 6   | 83,787 | 6   | 99,025  | 6   | 114,261 | 6   | 129,493 | 6   | 144,724 |
| 1/4 | 7,940  | 1/4 | 23,177 | 1/4 | 38,413 | 1/4 | 53,630 | 1/4 | 68,867 | 1/4 | 84,105 | 1/4 | 99,342  | 1/4 | 114,578 | 1/4 | 129,810 | 1/4 | 145,042 |
| 1/2 | 8,257  | 1/2 | 23,494 | 1/2 | 38,731 | 1/2 | 53,947 | 1/2 | 69,185 | 1/2 | 84,422 | 1/2 | 99,660  | 1/2 | 114,895 | 1/2 | 130,127 | 1/2 | 145,359 |
| 3/4 | 8,575  | 3/4 | 23,811 | 3/4 | 39,048 | 3/4 | 54,265 | 3/4 | 69,502 | 3/4 | 84,740 | 3/4 | 99,977  | 3/4 | 115,213 | 3/4 | 130,445 | 3/4 | 145,676 |
| 7   | 8,892  | 7   | 24,129 | 7   | 39,366 | 7   | 54,582 | 7   | 69,820 | 7   | 85,057 | 7   | 100,295 | 7   | 115,530 | 7   | 130,762 | 7   | 145,994 |
| 1/4 | 9,209  | 1/4 | 24,446 | 1/4 | 39,683 | 1/4 | 54,900 | 1/4 | 70,137 | 1/4 | 85,375 | 1/4 | 100,612 | 1/4 | 115,847 | 1/4 | 131,079 | 1/4 | 146,311 |
| 1/2 | 9,527  | 1/2 | 24,764 | 1/2 | 40,000 | 1/2 | 55,217 | 1/2 | 70,455 | 1/2 | 85,692 | 1/2 | 100,929 | 1/2 | 116,165 | 1/2 | 131,397 | 1/2 | 146,628 |
| 3/4 | 9,844  | 3/4 | 25,081 | 3/4 | 40,316 | 3/4 | 55,535 | 3/4 | 70,772 | 3/4 | 86,010 | 3/4 | 101,247 | 3/4 | 116,482 | 3/4 | 131,714 | 3/4 | 146,946 |
| 8   | 10,162 | 8   | 25,399 | 8   | 40,633 | 8   | 55,852 | 8   | 71,090 | 8   | 86,327 | 8   | 101,564 | 8   | 116,799 | 8   | 132,031 | 8   | 147,263 |
| 1/4 | 10,479 | 1/4 | 25,716 | 1/4 | 40,950 | 1/4 | 56,170 | 1/4 | 71,407 | 1/4 | 86,644 | 1/4 | 101,882 | 1/4 | 117,117 | 1/4 | 132,349 | 1/4 | 147,580 |
| 1/2 | 10,797 | 1/2 | 26,033 | 1/2 | 41,267 | 1/2 | 56,487 | 1/2 | 71,724 | 1/2 | 86,962 | 1/2 | 102,199 | 1/2 | 117,434 | 1/2 | 132,666 | 1/2 | 147,898 |
| 3/4 | 11,114 | 3/4 | 26,351 | 3/4 | 41,584 | 3/4 | 56,805 | 3/4 | 72,042 | 3/4 | 87,279 | 3/4 | 102,517 | 3/4 | 117,751 | 3/4 | 132,983 | 3/4 | 148,215 |
| 9   | 11,432 | 9   | 26,668 | 9   | 41,901 | 9   | 57,122 | 9   | 72,359 | 9   | 87,597 | 9   | 102,834 | 9   | 118,069 | 9   | 133,301 | 9   | 148,532 |
| 1/4 | 11,749 | 1/4 | 26,986 | 1/4 | 42,218 | 1/4 | 57,439 | 1/4 | 72,677 | 1/4 | 87,914 | 1/4 | 103,152 | 1/4 | 118,386 | 1/4 | 133,618 | 1/4 | 148,850 |
| 1/2 | 12,066 | 1/2 | 27,303 | 1/2 | 42,535 | 1/2 | 57,757 | 1/2 | 72,994 | 1/2 | 88,232 | 1/2 | 103,469 | 1/2 | 118,703 | 1/2 | 133,935 | 1/2 | 149,167 |
| 3/4 | 12,384 | 3/4 | 27,621 | 3/4 | 42,852 | 3/4 | 58,074 | 3/4 | 73,312 | 3/4 | 88,549 | 3/4 | 103,786 | 3/4 | 119,021 | 3/4 | 134,253 | 3/4 | 149,484 |
| 10  | 12,701 | 10  | 27,938 | 10  | 43,169 | 10  | 58,392 | 10  | 73,629 | 10  | 88,867 | 10  | 104,104 | 10  | 119,338 | 10  | 134,570 | 10  | 149,802 |
| 1/4 | 13,019 | 1/4 | 28,255 | 1/4 | 43,486 | 1/4 | 58,709 | 1/4 | 73,947 | 1/4 | 89,184 | 1/4 | 104,421 | 1/4 | 119,655 | 1/4 | 134,887 | 1/4 | 150,119 |
| 1/2 | 13,336 | 1/2 | 28,573 | 1/2 | 43,803 | 1/2 | 59,027 | 1/2 | 74,264 | 1/2 | 89,501 | 1/2 | 104,739 | 1/2 | 119,973 | 1/2 | 135,204 | 1/2 | 150,436 |
| 3/4 | 13,654 | 3/4 | 28,890 | 3/4 | 44,120 | 3/4 | 59,344 | 3/4 | 74,581 | 3/4 | 89,819 | 3/4 | 105,056 | 3/4 | 120,290 | 3/4 | 135,522 | 3/4 | 150,754 |
| 11  | 13,971 | 11  | 29,208 | 11  | 44,437 | 11  | 59,662 | 11  | 74,899 | 11  | 90,136 | 11  | 105,374 | 11  | 120,607 | 11  | 135,839 | 11  | 151,071 |
| 1/4 | 14,288 | 1/4 | 29,525 | 1/4 | 44,753 | 1/4 | 59,979 | 1/4 | 75,216 | 1/4 | 90,454 | 1/4 | 105,691 | 1/4 | 120,925 | 1/4 | 136,156 | 1/4 | 151,388 |
| 1/2 | 14,606 | 1/2 | 29,843 | 1/2 | 45,070 | 1/2 | 60,296 | 1/2 | 75,534 | 1/2 | 90,771 | 1/2 | 106,009 | 1/2 | 121,242 | 1/2 | 136,474 | 1/2 | 151,706 |
| 3/4 | 14,923 | 3/4 | 30,160 | 3/4 | 45,387 | 3/4 | 60,614 | 3/4 | 75,851 | 3/4 | 91,089 | 3/4 | 106,326 | 3/4 | 121,559 | 3/4 | 136,791 | 3/4 | 152,023 |

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 LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
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# BARGE "CBC 386"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

| IN  | 10 FT.  | IN  | 11 FT.  | IN  | 12 FT.  | IN  | 13 FT.  | IN  | 14 FT.  | IN  | 15 FT. | IN  | 16 FT. | IN  | 17 FT. | IN  | 18 FT. | IN  | 19 FT. |
|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0   | 152,340 | 0   | 167,572 | 0   | 182,804 | 0   | 198,036 | 0   | 213,203 | 0   |        | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 152,658 | 1/4 | 167,889 | 1/4 | 183,121 | 1/4 | 198,353 | 1/4 | 213,516 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 152,975 | 1/2 | 168,207 | 1/2 | 183,439 | 1/2 | 198,670 | 1/2 | 213,829 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 153,292 | 3/4 | 168,524 | 3/4 | 183,756 | 3/4 | 198,988 | 3/4 | 214,142 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 153,610 | 1   | 168,841 | 1   | 184,073 | 1   | 199,305 | 1   | 214,456 | 1   |        | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 153,927 | 1/4 | 169,159 | 1/4 | 184,390 | 1/4 | 199,621 | 1/4 | 214,769 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 154,244 | 1/2 | 169,476 | 1/2 | 184,708 | 1/2 | 199,937 | 1/2 | 215,082 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 154,562 | 3/4 | 169,793 | 3/4 | 185,025 | 3/4 | 200,253 | 3/4 | 215,395 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 154,879 | 2   | 170,111 | 2   | 185,342 | 2   | 200,569 | 2   | 215,708 | 2   |        | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 155,196 | 1/4 | 170,428 | 1/4 | 185,660 | 1/4 | 200,885 | 1/4 | 216,021 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 155,514 | 1/2 | 170,745 | 1/2 | 185,977 | 1/2 | 201,202 | 1/2 | 216,335 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 155,831 | 3/4 | 171,063 | 3/4 | 186,294 | 3/4 | 201,518 | 3/4 | 216,648 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 156,148 | 3   | 171,380 | 3   | 186,612 | 3   | 201,834 | 3   | 216,961 | 3   |        | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 156,466 | 1/4 | 171,697 | 1/4 | 186,929 | 1/4 | 202,150 | 1/4 | 217,274 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 156,783 | 1/2 | 172,015 | 1/2 | 187,246 | 1/2 | 202,466 | 1/2 | 217,586 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 157,100 | 3/4 | 172,332 | 3/4 | 187,564 | 3/4 | 202,782 | 3/4 | 217,899 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 157,418 | 4   | 172,649 | 4   | 187,881 | 4   | 203,098 | 4   | 218,212 | 4   |        | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 157,735 | 1/4 | 172,967 | 1/4 | 188,198 | 1/4 | 203,414 | 1/4 | 218,524 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 158,052 | 1/2 | 173,284 | 1/2 | 188,516 | 1/2 | 203,730 | 1/2 | 218,835 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 158,370 | 3/4 | 173,601 | 3/4 | 188,833 | 3/4 | 204,047 | 3/4 | 219,147 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 158,687 | 5   | 173,919 | 5   | 189,150 | 5   | 204,363 | 5   | 219,459 | 5   |        | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 159,004 | 1/4 | 174,236 | 1/4 | 189,468 | 1/4 | 204,679 | 1/4 | 219,745 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 159,321 | 1/2 | 174,553 | 1/2 | 189,785 | 1/2 | 204,995 | 1/2 | 220,032 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 159,639 | 3/4 | 174,871 | 3/4 | 190,102 | 3/4 | 205,311 | 3/4 | 220,319 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 159,956 | 6   | 175,188 | 6   | 190,420 | 6   | 205,627 | 6   | 220,605 | 6   |        | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 160,273 | 1/4 | 175,505 | 1/4 | 190,737 | 1/4 | 205,943 | 1/4 | 220,839 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 160,591 | 1/2 | 175,823 | 1/2 | 191,054 | 1/2 | 206,259 | 1/2 | 221,073 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 160,908 | 3/4 | 176,140 | 3/4 | 191,372 | 3/4 | 206,575 | 3/4 | 221,307 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 161,225 | 7   | 176,457 | 7   | 191,689 | 7   | 206,891 | 7   | 221,541 | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 161,543 | 1/4 | 176,775 | 1/4 | 192,006 | 1/4 | 207,208 | 1/4 | 221,723 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 161,860 | 1/2 | 177,092 | 1/2 | 192,324 | 1/2 | 207,524 | 1/2 | 221,905 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 162,177 | 3/4 | 177,409 | 3/4 | 192,641 | 3/4 | 207,840 | 3/4 | 222,087 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 162,495 | 8   | 177,727 | 8   | 192,958 | 8   | 208,156 | 8   | 222,269 | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 162,812 | 1/4 | 178,044 | 1/4 | 193,276 | 1/4 | 208,472 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 163,129 | 1/2 | 178,361 | 1/2 | 193,593 | 1/2 | 208,788 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 163,447 | 3/4 | 178,679 | 3/4 | 193,910 | 3/4 | 209,104 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 163,764 | 9   | 178,996 | 9   | 194,228 | 9   | 209,420 | 9   |         | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 164,081 | 1/4 | 179,313 | 1/4 | 194,545 | 1/4 | 209,737 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 164,399 | 1/2 | 179,631 | 1/2 | 194,862 | 1/2 | 210,053 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 164,716 | 3/4 | 179,948 | 3/4 | 195,180 | 3/4 | 210,369 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 165,033 | 10  | 180,265 | 10  | 195,497 | 10  | 210,685 | 10  |         | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 165,351 | 1/4 | 180,583 | 1/4 | 195,814 | 1/4 | 211,001 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 165,668 | 1/2 | 180,900 | 1/2 | 196,132 | 1/2 | 211,318 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 165,985 | 3/4 | 181,217 | 3/4 | 196,449 | 3/4 | 211,634 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 166,303 | 11  | 181,535 | 11  | 196,766 | 11  | 211,950 | 11  |         | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 166,620 | 1/4 | 181,852 | 1/4 | 197,084 | 1/4 | 212,263 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 166,937 | 1/2 | 182,169 | 1/2 | 197,401 | 1/2 | 212,576 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 167,255 | 3/4 | 182,487 | 3/4 | 197,718 | 3/4 | 212,890 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/18/2013 CL  
CALCULATED: 09/18/2013 CL  
PRINTED: 09/18/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2013

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



# BARGE "CBC 386"

1 STBD

## INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

| IN  | 0 FT.  | IN  | 1 FT.  | IN  | 2 FT.  | IN  | 3 FT.  | IN  | 4 FT.  | IN  | 5 FT.  | IN  | 6 FT.   | IN  | 7 FT.   | IN  | 8 FT.   | IN  | 9 FT.   |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|---------|-----|---------|-----|---------|-----|---------|
| 0   | 964    | 0   | 15,233 | 0   | 30,463 | 0   | 45,642 | 0   | 60,822 | 0   | 76,052 | 0   | 91,283  | 0   | 106,513 | 0   | 121,739 | 0   | 136,963 |
| 1/4 | 1,149  | 1/4 | 15,551 | 1/4 | 30,780 | 1/4 | 45,958 | 1/4 | 61,140 | 1/4 | 76,370 | 1/4 | 91,600  | 1/4 | 106,830 | 1/4 | 122,056 | 1/4 | 137,280 |
| 1/2 | 1,334  | 1/2 | 15,868 | 1/2 | 31,097 | 1/2 | 46,273 | 1/2 | 61,457 | 1/2 | 76,687 | 1/2 | 91,917  | 1/2 | 107,147 | 1/2 | 122,373 | 1/2 | 137,597 |
| 3/4 | 1,520  | 3/4 | 16,185 | 3/4 | 31,415 | 3/4 | 46,588 | 3/4 | 61,774 | 3/4 | 77,004 | 3/4 | 92,234  | 3/4 | 107,465 | 3/4 | 122,690 | 3/4 | 137,915 |
| 1   | 1,705  | 1   | 16,503 | 1   | 31,732 | 1   | 46,903 | 1   | 62,092 | 1   | 77,322 | 1   | 92,552  | 1   | 107,782 | 1   | 123,007 | 1   | 138,232 |
| 1/4 | 1,942  | 1/4 | 16,820 | 1/4 | 32,049 | 1/4 | 47,218 | 1/4 | 62,409 | 1/4 | 77,639 | 1/4 | 92,869  | 1/4 | 108,099 | 1/4 | 123,324 | 1/4 | 138,549 |
| 1/2 | 2,180  | 1/2 | 17,137 | 1/2 | 32,367 | 1/2 | 47,533 | 1/2 | 62,726 | 1/2 | 77,956 | 1/2 | 93,186  | 1/2 | 108,416 | 1/2 | 123,642 | 1/2 | 138,866 |
| 3/4 | 2,418  | 3/4 | 17,454 | 3/4 | 32,684 | 3/4 | 47,848 | 3/4 | 63,043 | 3/4 | 78,274 | 3/4 | 93,504  | 3/4 | 108,734 | 3/4 | 123,959 | 3/4 | 139,183 |
| 2   | 2,656  | 2   | 17,772 | 2   | 33,001 | 2   | 48,163 | 2   | 63,361 | 2   | 78,591 | 2   | 93,821  | 2   | 109,051 | 2   | 124,276 | 2   | 139,500 |
| 1/4 | 2,947  | 1/4 | 18,089 | 1/4 | 33,318 | 1/4 | 48,479 | 1/4 | 63,678 | 1/4 | 78,908 | 1/4 | 94,138  | 1/4 | 109,368 | 1/4 | 124,593 | 1/4 | 139,818 |
| 1/2 | 3,238  | 1/2 | 18,406 | 1/2 | 33,636 | 1/2 | 48,794 | 1/2 | 63,995 | 1/2 | 79,225 | 1/2 | 94,455  | 1/2 | 109,686 | 1/2 | 124,910 | 1/2 | 140,135 |
| 3/4 | 3,529  | 3/4 | 18,724 | 3/4 | 33,953 | 3/4 | 49,109 | 3/4 | 64,313 | 3/4 | 79,543 | 3/4 | 94,773  | 3/4 | 110,003 | 3/4 | 125,227 | 3/4 | 140,452 |
| 3   | 3,819  | 3   | 19,041 | 3   | 34,270 | 3   | 49,424 | 3   | 64,630 | 3   | 79,860 | 3   | 95,090  | 3   | 110,320 | 3   | 125,545 | 3   | 140,769 |
| 1/4 | 4,135  | 1/4 | 19,358 | 1/4 | 34,588 | 1/4 | 49,739 | 1/4 | 64,947 | 1/4 | 80,177 | 1/4 | 95,407  | 1/4 | 110,637 | 1/4 | 125,862 | 1/4 | 141,086 |
| 1/2 | 4,451  | 1/2 | 19,675 | 1/2 | 34,905 | 1/2 | 50,054 | 1/2 | 65,264 | 1/2 | 80,495 | 1/2 | 95,725  | 1/2 | 110,955 | 1/2 | 126,179 | 1/2 | 141,403 |
| 3/4 | 4,767  | 3/4 | 19,993 | 3/4 | 35,222 | 3/4 | 50,369 | 3/4 | 65,582 | 3/4 | 80,812 | 3/4 | 96,042  | 3/4 | 111,272 | 3/4 | 126,496 | 3/4 | 141,721 |
| 4   | 5,082  | 4   | 20,310 | 4   | 35,539 | 4   | 50,684 | 4   | 65,899 | 4   | 81,129 | 4   | 96,359  | 4   | 111,589 | 4   | 126,813 | 4   | 142,038 |
| 1/4 | 5,399  | 1/4 | 20,627 | 1/4 | 35,857 | 1/4 | 50,999 | 1/4 | 66,216 | 1/4 | 81,446 | 1/4 | 96,677  | 1/4 | 111,906 | 1/4 | 127,131 | 1/4 | 142,355 |
| 1/2 | 5,716  | 1/2 | 20,944 | 1/2 | 36,174 | 1/2 | 51,315 | 1/2 | 66,534 | 1/2 | 81,764 | 1/2 | 96,994  | 1/2 | 112,223 | 1/2 | 127,448 | 1/2 | 142,672 |
| 3/4 | 6,033  | 3/4 | 21,262 | 3/4 | 36,491 | 3/4 | 51,630 | 3/4 | 66,851 | 3/4 | 82,081 | 3/4 | 97,311  | 3/4 | 112,540 | 3/4 | 127,765 | 3/4 | 142,989 |
| 5   | 6,350  | 5   | 21,579 | 5   | 36,809 | 5   | 51,945 | 5   | 67,168 | 5   | 82,398 | 5   | 97,628  | 5   | 112,858 | 5   | 128,082 | 5   | 143,307 |
| 1/4 | 6,667  | 1/4 | 21,896 | 1/4 | 37,126 | 1/4 | 52,260 | 1/4 | 67,486 | 1/4 | 82,716 | 1/4 | 97,946  | 1/4 | 113,175 | 1/4 | 128,399 | 1/4 | 143,624 |
| 1/2 | 6,984  | 1/2 | 22,214 | 1/2 | 37,443 | 1/2 | 52,576 | 1/2 | 67,803 | 1/2 | 83,033 | 1/2 | 98,263  | 1/2 | 113,492 | 1/2 | 128,716 | 1/2 | 143,941 |
| 3/4 | 7,301  | 3/4 | 22,531 | 3/4 | 37,760 | 3/4 | 52,892 | 3/4 | 68,120 | 3/4 | 83,350 | 3/4 | 98,580  | 3/4 | 113,809 | 3/4 | 129,034 | 3/4 | 144,258 |
| 6   | 7,619  | 6   | 22,848 | 6   | 38,078 | 6   | 53,207 | 6   | 68,437 | 6   | 83,668 | 6   | 98,898  | 6   | 114,126 | 6   | 129,351 | 6   | 144,575 |
| 1/4 | 7,936  | 1/4 | 23,165 | 1/4 | 38,393 | 1/4 | 53,525 | 1/4 | 68,755 | 1/4 | 83,985 | 1/4 | 99,215  | 1/4 | 114,443 | 1/4 | 129,668 | 1/4 | 144,892 |
| 1/2 | 8,253  | 1/2 | 23,483 | 1/2 | 38,709 | 1/2 | 53,842 | 1/2 | 69,072 | 1/2 | 84,302 | 1/2 | 99,532  | 1/2 | 114,761 | 1/2 | 129,985 | 1/2 | 145,210 |
| 3/4 | 8,571  | 3/4 | 23,800 | 3/4 | 39,025 | 3/4 | 54,159 | 3/4 | 69,389 | 3/4 | 84,619 | 3/4 | 99,849  | 3/4 | 115,078 | 3/4 | 130,302 | 3/4 | 145,527 |
| 7   | 8,888  | 7   | 24,117 | 7   | 39,340 | 7   | 54,477 | 7   | 69,707 | 7   | 84,937 | 7   | 100,167 | 7   | 115,395 | 7   | 130,619 | 7   | 145,844 |
| 1/4 | 9,205  | 1/4 | 24,435 | 1/4 | 39,655 | 1/4 | 54,794 | 1/4 | 70,024 | 1/4 | 85,254 | 1/4 | 100,484 | 1/4 | 115,712 | 1/4 | 130,937 | 1/4 | 146,161 |
| 1/2 | 9,522  | 1/2 | 24,752 | 1/2 | 39,970 | 1/2 | 55,111 | 1/2 | 70,341 | 1/2 | 85,571 | 1/2 | 100,801 | 1/2 | 116,029 | 1/2 | 131,254 | 1/2 | 146,478 |
| 3/4 | 9,840  | 3/4 | 25,069 | 3/4 | 40,285 | 3/4 | 55,428 | 3/4 | 70,658 | 3/4 | 85,889 | 3/4 | 101,119 | 3/4 | 116,347 | 3/4 | 131,571 | 3/4 | 146,796 |
| 8   | 10,157 | 8   | 25,386 | 8   | 40,601 | 8   | 55,746 | 8   | 70,976 | 8   | 86,206 | 8   | 101,436 | 8   | 116,664 | 8   | 131,888 | 8   | 147,113 |
| 1/4 | 10,474 | 1/4 | 25,704 | 1/4 | 40,916 | 1/4 | 56,063 | 1/4 | 71,293 | 1/4 | 86,523 | 1/4 | 101,753 | 1/4 | 116,981 | 1/4 | 132,205 | 1/4 | 147,430 |
| 1/2 | 10,791 | 1/2 | 26,021 | 1/2 | 41,231 | 1/2 | 56,380 | 1/2 | 71,610 | 1/2 | 86,840 | 1/2 | 102,071 | 1/2 | 117,298 | 1/2 | 132,523 | 1/2 | 147,747 |
| 3/4 | 11,109 | 3/4 | 26,338 | 3/4 | 41,546 | 3/4 | 56,698 | 3/4 | 71,928 | 3/4 | 87,158 | 3/4 | 102,388 | 3/4 | 117,615 | 3/4 | 132,840 | 3/4 | 148,064 |
| 9   | 11,426 | 9   | 26,656 | 9   | 41,861 | 9   | 57,015 | 9   | 72,245 | 9   | 87,475 | 9   | 102,705 | 9   | 117,932 | 9   | 133,157 | 9   | 148,381 |
| 1/4 | 11,743 | 1/4 | 26,973 | 1/4 | 42,176 | 1/4 | 57,332 | 1/4 | 72,562 | 1/4 | 87,792 | 1/4 | 103,022 | 1/4 | 118,250 | 1/4 | 133,474 | 1/4 | 148,699 |
| 1/2 | 12,061 | 1/2 | 27,290 | 1/2 | 42,491 | 1/2 | 57,649 | 1/2 | 72,880 | 1/2 | 88,110 | 1/2 | 103,340 | 1/2 | 118,567 | 1/2 | 133,791 | 1/2 | 149,016 |
| 3/4 | 12,378 | 3/4 | 27,607 | 3/4 | 42,806 | 3/4 | 57,967 | 3/4 | 73,197 | 3/4 | 88,427 | 3/4 | 103,657 | 3/4 | 118,884 | 3/4 | 134,108 | 3/4 | 149,333 |
| 10  | 12,695 | 10  | 27,925 | 10  | 43,122 | 10  | 58,284 | 10  | 73,514 | 10  | 88,744 | 10  | 103,974 | 10  | 119,201 | 10  | 134,426 | 10  | 149,650 |
| 1/4 | 13,012 | 1/4 | 28,242 | 1/4 | 43,437 | 1/4 | 58,601 | 1/4 | 73,831 | 1/4 | 89,062 | 1/4 | 104,292 | 1/4 | 119,518 | 1/4 | 134,743 | 1/4 | 149,967 |
| 1/2 | 13,330 | 1/2 | 28,559 | 1/2 | 43,752 | 1/2 | 58,919 | 1/2 | 74,149 | 1/2 | 89,379 | 1/2 | 104,609 | 1/2 | 119,835 | 1/2 | 135,060 | 1/2 | 150,284 |
| 3/4 | 13,647 | 3/4 | 28,877 | 3/4 | 44,067 | 3/4 | 59,236 | 3/4 | 74,466 | 3/4 | 89,696 | 3/4 | 104,926 | 3/4 | 120,153 | 3/4 | 135,377 | 3/4 | 150,602 |
| 11  | 13,964 | 11  | 29,194 | 11  | 44,382 | 11  | 59,553 | 11  | 74,783 | 11  | 90,013 | 11  | 105,243 | 11  | 120,470 | 11  | 135,694 | 11  | 150,919 |
| 1/4 | 14,282 | 1/4 | 29,511 | 1/4 | 44,697 | 1/4 | 59,871 | 1/4 | 75,101 | 1/4 | 90,331 | 1/4 | 105,561 | 1/4 | 120,787 | 1/4 | 136,011 | 1/4 | 151,236 |
| 1/2 | 14,599 | 1/2 | 29,828 | 1/2 | 45,012 | 1/2 | 60,188 | 1/2 | 75,418 | 1/2 | 90,648 | 1/2 | 105,878 | 1/2 | 121,104 | 1/2 | 136,329 | 1/2 | 151,553 |
| 3/4 | 14,916 | 3/4 | 30,146 | 3/4 | 45,327 | 3/4 | 60,505 | 3/4 | 75,735 | 3/4 | 90,965 | 3/4 | 106,195 | 3/4 | 121,421 | 3/4 | 136,646 | 3/4 | 151,870 |

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 LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 386"

**1 STBD**  
**INNAGE TABLE**

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

| IN  | 10 FT.  | IN  | 11 FT.  | IN  | 12 FT.  | IN  | 13 FT.  | IN  | 14 FT.  | IN  | 15 FT. | IN  | 16 FT. | IN  | 17 FT. | IN  | 18 FT. | IN  | 19 FT. |
|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0   | 152,188 | 0   | 167,412 | 0   | 182,636 | 0   | 197,861 | 0   | 213,021 | 0   |        | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 152,505 | 1/4 | 167,729 | 1/4 | 182,954 | 1/4 | 198,178 | 1/4 | 213,334 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 152,822 | 1/2 | 168,046 | 1/2 | 183,271 | 1/2 | 198,495 | 1/2 | 213,647 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 153,139 | 3/4 | 168,364 | 3/4 | 183,588 | 3/4 | 198,812 | 3/4 | 213,960 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 153,456 | 1   | 168,681 | 1   | 183,905 | 1   | 199,130 | 1   | 214,273 | 1   |        | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 153,773 | 1/4 | 168,998 | 1/4 | 184,222 | 1/4 | 199,446 | 1/4 | 214,586 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 154,091 | 1/2 | 169,315 | 1/2 | 184,540 | 1/2 | 199,762 | 1/2 | 214,899 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 154,408 | 3/4 | 169,632 | 3/4 | 184,857 | 3/4 | 200,078 | 3/4 | 215,212 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 154,725 | 2   | 169,949 | 2   | 185,174 | 2   | 200,393 | 2   | 215,525 | 2   |        | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 155,042 | 1/4 | 170,267 | 1/4 | 185,491 | 1/4 | 200,709 | 1/4 | 215,838 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 155,359 | 1/2 | 170,584 | 1/2 | 185,808 | 1/2 | 201,025 | 1/2 | 216,151 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 155,676 | 3/4 | 170,901 | 3/4 | 186,125 | 3/4 | 201,341 | 3/4 | 216,464 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 155,994 | 3   | 171,218 | 3   | 186,443 | 3   | 201,657 | 3   | 216,777 | 3   |        | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 156,311 | 1/4 | 171,535 | 1/4 | 186,760 | 1/4 | 201,973 | 1/4 | 217,090 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 156,628 | 1/2 | 171,852 | 1/2 | 187,077 | 1/2 | 202,289 | 1/2 | 217,402 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 156,945 | 3/4 | 172,170 | 3/4 | 187,394 | 3/4 | 202,605 | 3/4 | 217,715 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 157,262 | 4   | 172,487 | 4   | 187,711 | 4   | 202,921 | 4   | 218,027 | 4   |        | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 157,580 | 1/4 | 172,804 | 1/4 | 188,028 | 1/4 | 203,237 | 1/4 | 218,339 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 157,897 | 1/2 | 173,121 | 1/2 | 188,346 | 1/2 | 203,553 | 1/2 | 218,651 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 158,214 | 3/4 | 173,438 | 3/4 | 188,663 | 3/4 | 203,869 | 3/4 | 218,962 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 158,531 | 5   | 173,756 | 5   | 188,980 | 5   | 204,185 | 5   | 219,274 | 5   |        | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 158,848 | 1/4 | 174,073 | 1/4 | 189,297 | 1/4 | 204,501 | 1/4 | 219,560 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 159,165 | 1/2 | 174,390 | 1/2 | 189,614 | 1/2 | 204,817 | 1/2 | 219,847 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 159,483 | 3/4 | 174,707 | 3/4 | 189,932 | 3/4 | 205,133 | 3/4 | 220,133 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 159,800 | 6   | 175,024 | 6   | 190,249 | 6   | 205,449 | 6   | 220,420 | 6   |        | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 160,117 | 1/4 | 175,341 | 1/4 | 190,566 | 1/4 | 205,765 | 1/4 | 220,653 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 160,434 | 1/2 | 175,659 | 1/2 | 190,883 | 1/2 | 206,081 | 1/2 | 220,887 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 160,751 | 3/4 | 175,976 | 3/4 | 191,200 | 3/4 | 206,397 | 3/4 | 221,121 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 161,068 | 7   | 176,293 | 7   | 191,517 | 7   | 206,713 | 7   | 221,354 | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 161,386 | 1/4 | 176,610 | 1/4 | 191,835 | 1/4 | 207,028 | 1/4 | 221,536 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 161,703 | 1/2 | 176,927 | 1/2 | 192,152 | 1/2 | 207,344 | 1/2 | 221,718 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 162,020 | 3/4 | 177,244 | 3/4 | 192,469 | 3/4 | 207,660 | 3/4 | 221,901 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 162,337 | 8   | 177,562 | 8   | 192,786 | 8   | 207,976 | 8   | 222,083 | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 162,654 | 1/4 | 177,879 | 1/4 | 193,103 | 1/4 | 208,292 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 162,972 | 1/2 | 178,196 | 1/2 | 193,420 | 1/2 | 208,608 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 163,289 | 3/4 | 178,513 | 3/4 | 193,738 | 3/4 | 208,924 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 163,606 | 9   | 178,830 | 9   | 194,055 | 9   | 209,240 | 9   |         | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 163,923 | 1/4 | 179,148 | 1/4 | 194,372 | 1/4 | 209,556 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 164,240 | 1/2 | 179,465 | 1/2 | 194,689 | 1/2 | 209,872 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 164,557 | 3/4 | 179,782 | 3/4 | 195,006 | 3/4 | 210,188 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 164,875 | 10  | 180,099 | 10  | 195,324 | 10  | 210,504 | 10  |         | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 165,192 | 1/4 | 180,416 | 1/4 | 195,641 | 1/4 | 210,820 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 165,509 | 1/2 | 180,733 | 1/2 | 195,958 | 1/2 | 211,136 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 165,826 | 3/4 | 181,051 | 3/4 | 196,275 | 3/4 | 211,453 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 166,143 | 11  | 181,368 | 11  | 196,592 | 11  | 211,769 | 11  |         | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 166,460 | 1/4 | 181,685 | 1/4 | 196,909 | 1/4 | 212,082 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 166,778 | 1/2 | 182,002 | 1/2 | 197,227 | 1/2 | 212,395 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 167,095 | 3/4 | 182,319 | 3/4 | 197,544 | 3/4 | 212,708 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/18/2013 CL  
CALCULATED: 09/18/2013 CL  
PRINTED: 09/18/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2013

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



# BARGE "CBC 386"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

| IN  | 0 FT.  | IN  | 1 FT.  | IN  | 2 FT.  | IN  | 3 FT.  | IN  | 4 FT.  | IN  | 5 FT.  | IN  | 6 FT.   | IN  | 7 FT.   | IN  | 8 FT.   | IN  | 9 FT.   |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|---------|-----|---------|-----|---------|-----|---------|
| 0   | 961    | 0   | 15,179 | 0   | 30,353 | 0   | 45,518 | 0   | 60,683 | 0   | 75,858 | 0   | 91,034  | 0   | 106,209 | 0   | 121,380 | 0   | 136,550 |
| 1/4 | 1,145  | 1/4 | 15,495 | 1/4 | 30,669 | 1/4 | 45,834 | 1/4 | 60,999 | 1/4 | 76,174 | 1/4 | 91,350  | 1/4 | 106,525 | 1/4 | 121,696 | 1/4 | 136,866 |
| 1/2 | 1,330  | 1/2 | 15,811 | 1/2 | 30,986 | 1/2 | 46,149 | 1/2 | 61,315 | 1/2 | 76,491 | 1/2 | 91,666  | 1/2 | 106,841 | 1/2 | 122,012 | 1/2 | 137,182 |
| 3/4 | 1,514  | 3/4 | 16,127 | 3/4 | 31,302 | 3/4 | 46,465 | 3/4 | 61,631 | 3/4 | 76,807 | 3/4 | 91,982  | 3/4 | 107,157 | 3/4 | 122,328 | 3/4 | 137,498 |
| 1   | 1,698  | 1   | 16,443 | 1   | 31,618 | 1   | 46,781 | 1   | 61,948 | 1   | 77,123 | 1   | 92,298  | 1   | 107,474 | 1   | 122,644 | 1   | 137,814 |
| 1/4 | 1,936  | 1/4 | 16,759 | 1/4 | 31,934 | 1/4 | 47,096 | 1/4 | 62,264 | 1/4 | 77,439 | 1/4 | 92,614  | 1/4 | 107,790 | 1/4 | 122,960 | 1/4 | 138,130 |
| 1/2 | 2,173  | 1/2 | 17,075 | 1/2 | 32,250 | 1/2 | 47,412 | 1/2 | 62,580 | 1/2 | 77,755 | 1/2 | 92,931  | 1/2 | 108,106 | 1/2 | 123,276 | 1/2 | 138,446 |
| 3/4 | 2,410  | 3/4 | 17,392 | 3/4 | 32,566 | 3/4 | 47,727 | 3/4 | 62,896 | 3/4 | 78,071 | 3/4 | 93,247  | 3/4 | 108,422 | 3/4 | 123,592 | 3/4 | 138,762 |
| 2   | 2,647  | 2   | 17,708 | 2   | 32,882 | 2   | 48,043 | 2   | 63,212 | 2   | 78,388 | 2   | 93,563  | 2   | 108,738 | 2   | 123,908 | 2   | 139,078 |
| 1/4 | 2,936  | 1/4 | 18,024 | 1/4 | 33,199 | 1/4 | 48,359 | 1/4 | 63,528 | 1/4 | 78,704 | 1/4 | 93,879  | 1/4 | 109,054 | 1/4 | 124,224 | 1/4 | 139,394 |
| 1/2 | 3,226  | 1/2 | 18,340 | 1/2 | 33,515 | 1/2 | 48,674 | 1/2 | 63,845 | 1/2 | 79,020 | 1/2 | 94,195  | 1/2 | 109,370 | 1/2 | 124,540 | 1/2 | 139,710 |
| 3/4 | 3,516  | 3/4 | 18,656 | 3/4 | 33,831 | 3/4 | 48,990 | 3/4 | 64,161 | 3/4 | 79,336 | 3/4 | 94,511  | 3/4 | 109,687 | 3/4 | 124,856 | 3/4 | 140,026 |
| 3   | 3,806  | 3   | 18,972 | 3   | 34,147 | 3   | 49,306 | 3   | 64,477 | 3   | 79,652 | 3   | 94,827  | 3   | 110,003 | 3   | 125,172 | 3   | 140,342 |
| 1/4 | 4,120  | 1/4 | 19,288 | 1/4 | 34,463 | 1/4 | 49,621 | 1/4 | 64,793 | 1/4 | 79,968 | 1/4 | 95,144  | 1/4 | 110,319 | 1/4 | 125,488 | 1/4 | 140,658 |
| 1/2 | 4,435  | 1/2 | 19,605 | 1/2 | 34,779 | 1/2 | 49,937 | 1/2 | 65,109 | 1/2 | 80,284 | 1/2 | 95,460  | 1/2 | 110,635 | 1/2 | 125,805 | 1/2 | 140,974 |
| 3/4 | 4,749  | 3/4 | 19,921 | 3/4 | 35,095 | 3/4 | 50,253 | 3/4 | 65,425 | 3/4 | 80,601 | 3/4 | 95,776  | 3/4 | 110,951 | 3/4 | 126,121 | 3/4 | 141,290 |
| 4   | 5,064  | 4   | 20,237 | 4   | 35,412 | 4   | 50,568 | 4   | 65,741 | 4   | 80,917 | 4   | 96,092  | 4   | 111,267 | 4   | 126,437 | 4   | 141,606 |
| 1/4 | 5,380  | 1/4 | 20,553 | 1/4 | 35,728 | 1/4 | 50,884 | 1/4 | 66,058 | 1/4 | 81,233 | 1/4 | 96,408  | 1/4 | 111,583 | 1/4 | 126,753 | 1/4 | 141,922 |
| 1/2 | 5,696  | 1/2 | 20,869 | 1/2 | 36,044 | 1/2 | 51,199 | 1/2 | 66,374 | 1/2 | 81,549 | 1/2 | 96,724  | 1/2 | 111,899 | 1/2 | 127,069 | 1/2 | 142,238 |
| 3/4 | 6,011  | 3/4 | 21,185 | 3/4 | 36,360 | 3/4 | 51,515 | 3/4 | 66,690 | 3/4 | 81,865 | 3/4 | 97,041  | 3/4 | 112,215 | 3/4 | 127,385 | 3/4 | 142,554 |
| 5   | 6,327  | 5   | 21,501 | 5   | 36,676 | 5   | 51,831 | 5   | 67,006 | 5   | 82,181 | 5   | 97,357  | 5   | 112,531 | 5   | 127,701 | 5   | 142,870 |
| 1/4 | 6,643  | 1/4 | 21,818 | 1/4 | 36,992 | 1/4 | 52,147 | 1/4 | 67,322 | 1/4 | 82,498 | 1/4 | 97,673  | 1/4 | 112,847 | 1/4 | 128,017 | 1/4 | 143,187 |
| 1/2 | 6,959  | 1/2 | 22,134 | 1/2 | 37,308 | 1/2 | 52,463 | 1/2 | 67,638 | 1/2 | 82,814 | 1/2 | 97,989  | 1/2 | 113,163 | 1/2 | 128,333 | 1/2 | 143,503 |
| 3/4 | 7,275  | 3/4 | 22,450 | 3/4 | 37,625 | 3/4 | 52,779 | 3/4 | 67,955 | 3/4 | 83,130 | 3/4 | 98,305  | 3/4 | 113,479 | 3/4 | 128,649 | 3/4 | 143,819 |
| 6   | 7,591  | 6   | 22,766 | 6   | 37,941 | 6   | 53,095 | 6   | 68,271 | 6   | 83,446 | 6   | 98,621  | 6   | 113,795 | 6   | 128,965 | 6   | 144,135 |
| 1/4 | 7,907  | 1/4 | 23,082 | 1/4 | 38,257 | 1/4 | 53,411 | 1/4 | 68,587 | 1/4 | 83,762 | 1/4 | 98,937  | 1/4 | 114,111 | 1/4 | 129,281 | 1/4 | 144,451 |
| 1/2 | 8,224  | 1/2 | 23,398 | 1/2 | 38,573 | 1/2 | 53,728 | 1/2 | 68,903 | 1/2 | 84,078 | 1/2 | 99,254  | 1/2 | 114,427 | 1/2 | 129,597 | 1/2 | 144,767 |
| 3/4 | 8,540  | 3/4 | 23,714 | 3/4 | 38,889 | 3/4 | 54,044 | 3/4 | 69,219 | 3/4 | 84,394 | 3/4 | 99,570  | 3/4 | 114,743 | 3/4 | 129,913 | 3/4 | 145,083 |
| 7   | 8,856  | 7   | 24,031 | 7   | 39,205 | 7   | 54,360 | 7   | 69,535 | 7   | 84,711 | 7   | 99,886  | 7   | 115,059 | 7   | 130,229 | 7   | 145,399 |
| 1/4 | 9,172  | 1/4 | 24,347 | 1/4 | 39,521 | 1/4 | 54,676 | 1/4 | 69,851 | 1/4 | 85,027 | 1/4 | 100,202 | 1/4 | 115,375 | 1/4 | 130,545 | 1/4 | 145,715 |
| 1/2 | 9,488  | 1/2 | 24,663 | 1/2 | 39,837 | 1/2 | 54,992 | 1/2 | 70,168 | 1/2 | 85,343 | 1/2 | 100,518 | 1/2 | 115,691 | 1/2 | 130,861 | 1/2 | 146,031 |
| 3/4 | 9,804  | 3/4 | 24,979 | 3/4 | 40,152 | 3/4 | 55,308 | 3/4 | 70,484 | 3/4 | 85,659 | 3/4 | 100,834 | 3/4 | 116,007 | 3/4 | 131,177 | 3/4 | 146,347 |
| 8   | 10,120 | 8   | 25,295 | 8   | 40,468 | 8   | 55,625 | 8   | 70,800 | 8   | 85,975 | 8   | 101,150 | 8   | 116,323 | 8   | 131,493 | 8   | 146,663 |
| 1/4 | 10,437 | 1/4 | 25,611 | 1/4 | 40,783 | 1/4 | 55,941 | 1/4 | 71,116 | 1/4 | 86,291 | 1/4 | 101,467 | 1/4 | 116,639 | 1/4 | 131,809 | 1/4 | 146,979 |
| 1/2 | 10,753 | 1/2 | 25,927 | 1/2 | 41,099 | 1/2 | 56,257 | 1/2 | 71,432 | 1/2 | 86,607 | 1/2 | 101,783 | 1/2 | 116,956 | 1/2 | 132,125 | 1/2 | 147,295 |
| 3/4 | 11,069 | 3/4 | 26,244 | 3/4 | 41,415 | 3/4 | 56,573 | 3/4 | 71,748 | 3/4 | 86,924 | 3/4 | 102,099 | 3/4 | 117,272 | 3/4 | 132,441 | 3/4 | 147,611 |
| 9   | 11,385 | 9   | 26,560 | 9   | 41,730 | 9   | 56,889 | 9   | 72,064 | 9   | 87,240 | 9   | 102,415 | 9   | 117,588 | 9   | 132,757 | 9   | 147,927 |
| 1/4 | 11,701 | 1/4 | 26,876 | 1/4 | 42,046 | 1/4 | 57,205 | 1/4 | 72,381 | 1/4 | 87,556 | 1/4 | 102,731 | 1/4 | 117,904 | 1/4 | 133,073 | 1/4 | 148,243 |
| 1/2 | 12,017 | 1/2 | 27,192 | 1/2 | 42,362 | 1/2 | 57,521 | 1/2 | 72,697 | 1/2 | 87,872 | 1/2 | 103,047 | 1/2 | 118,220 | 1/2 | 133,389 | 1/2 | 148,559 |
| 3/4 | 12,333 | 3/4 | 27,508 | 3/4 | 42,677 | 3/4 | 57,838 | 3/4 | 73,013 | 3/4 | 88,188 | 3/4 | 103,364 | 3/4 | 118,536 | 3/4 | 133,705 | 3/4 | 148,875 |
| 10  | 12,650 | 10  | 27,824 | 10  | 42,993 | 10  | 58,154 | 10  | 73,329 | 10  | 88,504 | 10  | 103,680 | 10  | 118,852 | 10  | 134,021 | 10  | 149,191 |
| 1/4 | 12,966 | 1/4 | 28,140 | 1/4 | 43,309 | 1/4 | 58,470 | 1/4 | 73,645 | 1/4 | 88,821 | 1/4 | 103,996 | 1/4 | 119,168 | 1/4 | 134,337 | 1/4 | 149,507 |
| 1/2 | 13,282 | 1/2 | 28,457 | 1/2 | 43,624 | 1/2 | 58,786 | 1/2 | 73,961 | 1/2 | 89,137 | 1/2 | 104,312 | 1/2 | 119,484 | 1/2 | 134,654 | 1/2 | 149,823 |
| 3/4 | 13,598 | 3/4 | 28,773 | 3/4 | 43,940 | 3/4 | 59,102 | 3/4 | 74,278 | 3/4 | 89,453 | 3/4 | 104,628 | 3/4 | 119,800 | 3/4 | 134,970 | 3/4 | 150,139 |
| 11  | 13,914 | 11  | 29,089 | 11  | 44,255 | 11  | 59,418 | 11  | 74,594 | 11  | 89,769 | 11  | 104,944 | 11  | 120,116 | 11  | 135,286 | 11  | 150,455 |
| 1/4 | 14,230 | 1/4 | 29,405 | 1/4 | 44,571 | 1/4 | 59,735 | 1/4 | 74,910 | 1/4 | 90,085 | 1/4 | 105,260 | 1/4 | 120,432 | 1/4 | 135,602 | 1/4 | 150,771 |
| 1/2 | 14,546 | 1/2 | 29,721 | 1/2 | 44,887 | 1/2 | 60,051 | 1/2 | 75,226 | 1/2 | 90,401 | 1/2 | 105,577 | 1/2 | 120,748 | 1/2 | 135,918 | 1/2 | 151,087 |
| 3/4 | 14,863 | 3/4 | 30,037 | 3/4 | 45,202 | 3/4 | 60,367 | 3/4 | 75,542 | 3/4 | 90,717 | 3/4 | 105,893 | 3/4 | 121,064 | 3/4 | 136,234 | 3/4 | 151,403 |

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 LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 386"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

| IN  | 10 FT.  | IN  | 11 FT.  | IN  | 12 FT.  | IN  | 13 FT.  | IN  | 14 FT.  | IN  | 15 FT. | IN  | 16 FT. | IN  | 17 FT. | IN  | 18 FT. | IN  | 19 FT. |
|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0   | 151,719 | 0   | 166,889 | 0   | 182,059 | 0   | 197,229 | 0   | 212,334 | 0   |        | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 152,036 | 1/4 | 167,205 | 1/4 | 182,375 | 1/4 | 197,545 | 1/4 | 212,646 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 152,352 | 1/2 | 167,521 | 1/2 | 182,691 | 1/2 | 197,861 | 1/2 | 212,958 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 152,668 | 3/4 | 167,837 | 3/4 | 183,007 | 3/4 | 198,177 | 3/4 | 213,269 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 152,984 | 1   | 168,153 | 1   | 183,323 | 1   | 198,493 | 1   | 213,581 | 1   |        | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 153,300 | 1/4 | 168,469 | 1/4 | 183,639 | 1/4 | 198,808 | 1/4 | 213,893 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 153,616 | 1/2 | 168,785 | 1/2 | 183,955 | 1/2 | 199,122 | 1/2 | 214,205 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 153,932 | 3/4 | 169,101 | 3/4 | 184,271 | 3/4 | 199,437 | 3/4 | 214,517 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 154,248 | 2   | 169,417 | 2   | 184,587 | 2   | 199,752 | 2   | 214,829 | 2   |        | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 154,564 | 1/4 | 169,734 | 1/4 | 184,903 | 1/4 | 200,067 | 1/4 | 215,141 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 154,880 | 1/2 | 170,050 | 1/2 | 185,219 | 1/2 | 200,382 | 1/2 | 215,453 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 155,196 | 3/4 | 170,366 | 3/4 | 185,535 | 3/4 | 200,696 | 3/4 | 215,765 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 155,512 | 3   | 170,682 | 3   | 185,851 | 3   | 201,011 | 3   | 216,076 | 3   |        | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 155,828 | 1/4 | 170,998 | 1/4 | 186,167 | 1/4 | 201,326 | 1/4 | 216,388 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 156,144 | 1/2 | 171,314 | 1/2 | 186,483 | 1/2 | 201,641 | 1/2 | 216,699 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 156,460 | 3/4 | 171,630 | 3/4 | 186,799 | 3/4 | 201,956 | 3/4 | 217,011 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 156,776 | 4   | 171,946 | 4   | 187,115 | 4   | 202,271 | 4   | 217,322 | 4   |        | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 157,092 | 1/4 | 172,262 | 1/4 | 187,432 | 1/4 | 202,585 | 1/4 | 217,633 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 157,408 | 1/2 | 172,578 | 1/2 | 187,748 | 1/2 | 202,900 | 1/2 | 217,943 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 157,724 | 3/4 | 172,894 | 3/4 | 188,064 | 3/4 | 203,215 | 3/4 | 218,254 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 158,040 | 5   | 173,210 | 5   | 188,380 | 5   | 203,530 | 5   | 218,564 | 5   |        | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 158,356 | 1/4 | 173,526 | 1/4 | 188,696 | 1/4 | 203,845 | 1/4 | 218,849 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 158,672 | 1/2 | 173,842 | 1/2 | 189,012 | 1/2 | 204,159 | 1/2 | 219,135 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 158,988 | 3/4 | 174,158 | 3/4 | 189,328 | 3/4 | 204,474 | 3/4 | 219,420 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 159,304 | 6   | 174,474 | 6   | 189,644 | 6   | 204,789 | 6   | 219,706 | 6   |        | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 159,620 | 1/4 | 174,790 | 1/4 | 189,960 | 1/4 | 205,104 | 1/4 | 219,939 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 159,936 | 1/2 | 175,106 | 1/2 | 190,276 | 1/2 | 205,419 | 1/2 | 220,172 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 160,252 | 3/4 | 175,422 | 3/4 | 190,592 | 3/4 | 205,733 | 3/4 | 220,404 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 160,568 | 7   | 175,738 | 7   | 190,908 | 7   | 206,048 | 7   | 220,637 | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 160,885 | 1/4 | 176,054 | 1/4 | 191,224 | 1/4 | 206,363 | 1/4 | 220,819 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 161,201 | 1/2 | 176,370 | 1/2 | 191,540 | 1/2 | 206,678 | 1/2 | 221,000 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 161,517 | 3/4 | 176,686 | 3/4 | 191,856 | 3/4 | 206,993 | 3/4 | 221,181 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 161,833 | 8   | 177,002 | 8   | 192,172 | 8   | 207,308 | 8   | 221,363 | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 162,149 | 1/4 | 177,318 | 1/4 | 192,488 | 1/4 | 207,622 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 162,465 | 1/2 | 177,634 | 1/2 | 192,804 | 1/2 | 207,937 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 162,781 | 3/4 | 177,950 | 3/4 | 193,120 | 3/4 | 208,252 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 163,097 | 9   | 178,266 | 9   | 193,436 | 9   | 208,567 | 9   |         | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 163,413 | 1/4 | 178,583 | 1/4 | 193,752 | 1/4 | 208,882 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 163,729 | 1/2 | 178,899 | 1/2 | 194,068 | 1/2 | 209,197 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 164,045 | 3/4 | 179,215 | 3/4 | 194,384 | 3/4 | 209,512 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 164,361 | 10  | 179,531 | 10  | 194,700 | 10  | 209,826 | 10  |         | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 164,677 | 1/4 | 179,847 | 1/4 | 195,016 | 1/4 | 210,141 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 164,993 | 1/2 | 180,163 | 1/2 | 195,332 | 1/2 | 210,456 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 165,309 | 3/4 | 180,479 | 3/4 | 195,648 | 3/4 | 210,771 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 165,625 | 11  | 180,795 | 11  | 195,964 | 11  | 211,086 | 11  |         | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 165,941 | 1/4 | 181,111 | 1/4 | 196,281 | 1/4 | 211,398 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 166,257 | 1/2 | 181,427 | 1/2 | 196,597 | 1/2 | 211,710 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 166,573 | 3/4 | 181,743 | 3/4 | 196,913 | 3/4 | 212,022 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/18/2013 CL  
CALCULATED: 09/18/2013 CL  
PRINTED: 09/18/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2013

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





# BARGE "CBC 386"

2 STBD

## INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

| IN  | 0 FT.  | IN  | 1 FT.  | IN  | 2 FT.  | IN  | 3 FT.  | IN  | 4 FT.  | IN  | 5 FT.  | IN  | 6 FT.   | IN  | 7 FT.   | IN  | 8 FT.   | IN  | 9 FT.   |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|---------|-----|---------|-----|---------|-----|---------|
| 0   | 961    | 0   | 15,182 | 0   | 30,361 | 0   | 45,195 | 0   | 60,030 | 0   | 75,209 | 0   | 90,388  | 0   | 105,567 | 0   | 120,742 | 0   | 135,915 |
| 1/4 | 1,146  | 1/4 | 15,499 | 1/4 | 30,677 | 1/4 | 45,497 | 1/4 | 60,347 | 1/4 | 75,526 | 1/4 | 90,705  | 1/4 | 105,884 | 1/4 | 121,058 | 1/4 | 136,232 |
| 1/2 | 1,330  | 1/2 | 15,815 | 1/2 | 30,993 | 1/2 | 45,799 | 1/2 | 60,663 | 1/2 | 75,842 | 1/2 | 91,021  | 1/2 | 106,200 | 1/2 | 121,374 | 1/2 | 136,548 |
| 3/4 | 1,514  | 3/4 | 16,131 | 3/4 | 31,309 | 3/4 | 46,101 | 3/4 | 60,979 | 3/4 | 76,158 | 3/4 | 91,337  | 3/4 | 106,516 | 3/4 | 121,690 | 3/4 | 136,864 |
| 1   | 1,699  | 1   | 16,447 | 1   | 31,626 | 1   | 46,403 | 1   | 61,295 | 1   | 76,474 | 1   | 91,653  | 1   | 106,832 | 1   | 122,007 | 1   | 137,180 |
| 1/4 | 1,936  | 1/4 | 16,763 | 1/4 | 31,942 | 1/4 | 46,704 | 1/4 | 61,612 | 1/4 | 76,791 | 1/4 | 91,969  | 1/4 | 107,148 | 1/4 | 122,323 | 1/4 | 137,496 |
| 1/2 | 2,173  | 1/2 | 17,080 | 1/2 | 32,258 | 1/2 | 47,006 | 1/2 | 61,928 | 1/2 | 77,107 | 1/2 | 92,286  | 1/2 | 107,465 | 1/2 | 122,639 | 1/2 | 137,812 |
| 3/4 | 2,410  | 3/4 | 17,396 | 3/4 | 32,574 | 3/4 | 47,308 | 3/4 | 62,244 | 3/4 | 77,423 | 3/4 | 92,602  | 3/4 | 107,781 | 3/4 | 122,955 | 3/4 | 138,128 |
| 2   | 2,647  | 2   | 17,712 | 2   | 32,890 | 2   | 47,610 | 2   | 62,560 | 2   | 77,739 | 2   | 92,918  | 2   | 108,097 | 2   | 123,271 | 2   | 138,444 |
| 1/4 | 2,937  | 1/4 | 18,028 | 1/4 | 33,207 | 1/4 | 47,912 | 1/4 | 62,876 | 1/4 | 78,055 | 1/4 | 93,234  | 1/4 | 108,413 | 1/4 | 123,587 | 1/4 | 138,760 |
| 1/2 | 3,227  | 1/2 | 18,344 | 1/2 | 33,523 | 1/2 | 48,213 | 1/2 | 63,193 | 1/2 | 78,372 | 1/2 | 93,551  | 1/2 | 108,730 | 1/2 | 123,903 | 1/2 | 139,077 |
| 3/4 | 3,517  | 3/4 | 18,661 | 3/4 | 33,839 | 3/4 | 48,515 | 3/4 | 63,509 | 3/4 | 78,688 | 3/4 | 93,867  | 3/4 | 109,046 | 3/4 | 124,219 | 3/4 | 139,393 |
| 3   | 3,806  | 3   | 18,977 | 3   | 34,155 | 3   | 48,817 | 3   | 63,825 | 3   | 79,004 | 3   | 94,183  | 3   | 109,362 | 3   | 124,535 | 3   | 139,709 |
| 1/4 | 4,121  | 1/4 | 19,293 | 1/4 | 34,471 | 1/4 | 49,119 | 1/4 | 64,141 | 1/4 | 79,320 | 1/4 | 94,499  | 1/4 | 109,678 | 1/4 | 124,852 | 1/4 | 140,025 |
| 1/2 | 4,436  | 1/2 | 19,609 | 1/2 | 34,788 | 1/2 | 49,421 | 1/2 | 64,458 | 1/2 | 79,637 | 1/2 | 94,816  | 1/2 | 109,994 | 1/2 | 125,168 | 1/2 | 140,341 |
| 3/4 | 4,751  | 3/4 | 19,926 | 3/4 | 35,104 | 3/4 | 49,723 | 3/4 | 64,774 | 3/4 | 79,953 | 3/4 | 95,132  | 3/4 | 110,310 | 3/4 | 125,484 | 3/4 | 140,657 |
| 4   | 5,065  | 4   | 20,242 | 4   | 35,420 | 4   | 50,024 | 4   | 65,090 | 4   | 80,269 | 4   | 95,448  | 4   | 110,626 | 4   | 125,800 | 4   | 140,973 |
| 1/4 | 5,381  | 1/4 | 20,558 | 1/4 | 35,736 | 1/4 | 50,326 | 1/4 | 65,406 | 1/4 | 80,585 | 1/4 | 95,764  | 1/4 | 110,943 | 1/4 | 126,116 | 1/4 | 141,289 |
| 1/2 | 5,697  | 1/2 | 20,874 | 1/2 | 36,053 | 1/2 | 50,628 | 1/2 | 65,723 | 1/2 | 80,901 | 1/2 | 96,080  | 1/2 | 111,259 | 1/2 | 126,432 | 1/2 | 141,605 |
| 3/4 | 6,013  | 3/4 | 21,190 | 3/4 | 36,369 | 3/4 | 50,930 | 3/4 | 66,039 | 3/4 | 81,218 | 3/4 | 96,397  | 3/4 | 111,575 | 3/4 | 126,748 | 3/4 | 141,922 |
| 5   | 6,328  | 5   | 21,507 | 5   | 36,685 | 5   | 51,232 | 5   | 66,355 | 5   | 81,534 | 5   | 96,713  | 5   | 111,891 | 5   | 127,064 | 5   | 142,238 |
| 1/4 | 6,645  | 1/4 | 21,823 | 1/4 | 37,001 | 1/4 | 51,534 | 1/4 | 66,671 | 1/4 | 81,850 | 1/4 | 97,029  | 1/4 | 112,207 | 1/4 | 127,380 | 1/4 | 142,554 |
| 1/2 | 6,961  | 1/2 | 22,139 | 1/2 | 37,317 | 1/2 | 51,836 | 1/2 | 66,987 | 1/2 | 82,166 | 1/2 | 97,345  | 1/2 | 112,523 | 1/2 | 127,697 | 1/2 | 142,870 |
| 3/4 | 7,277  | 3/4 | 22,455 | 3/4 | 37,634 | 3/4 | 52,139 | 3/4 | 67,304 | 3/4 | 82,483 | 3/4 | 97,662  | 3/4 | 112,839 | 3/4 | 128,013 | 3/4 | 143,186 |
| 6   | 7,593  | 6   | 22,771 | 6   | 37,950 | 6   | 52,441 | 6   | 67,620 | 6   | 82,799 | 6   | 97,978  | 6   | 113,155 | 6   | 128,329 | 6   | 143,502 |
| 1/4 | 7,909  | 1/4 | 23,088 | 1/4 | 38,252 | 1/4 | 52,757 | 1/4 | 67,936 | 1/4 | 83,115 | 1/4 | 98,294  | 1/4 | 113,471 | 1/4 | 128,645 | 1/4 | 143,818 |
| 1/2 | 8,226  | 1/2 | 23,404 | 1/2 | 38,554 | 1/2 | 53,073 | 1/2 | 68,252 | 1/2 | 83,431 | 1/2 | 98,610  | 1/2 | 113,788 | 1/2 | 128,961 | 1/2 | 144,134 |
| 3/4 | 8,542  | 3/4 | 23,720 | 3/4 | 38,857 | 3/4 | 53,390 | 3/4 | 68,569 | 3/4 | 83,748 | 3/4 | 98,927  | 3/4 | 114,104 | 3/4 | 129,277 | 3/4 | 144,450 |
| 7   | 8,858  | 7   | 24,036 | 7   | 39,159 | 7   | 53,706 | 7   | 68,885 | 7   | 84,064 | 7   | 99,243  | 7   | 114,420 | 7   | 129,593 | 7   | 144,767 |
| 1/4 | 9,174  | 1/4 | 24,353 | 1/4 | 39,461 | 1/4 | 54,022 | 1/4 | 69,201 | 1/4 | 84,380 | 1/4 | 99,559  | 1/4 | 114,736 | 1/4 | 129,909 | 1/4 | 145,083 |
| 1/2 | 9,490  | 1/2 | 24,669 | 1/2 | 39,763 | 1/2 | 54,338 | 1/2 | 69,517 | 1/2 | 84,696 | 1/2 | 99,875  | 1/2 | 115,052 | 1/2 | 130,225 | 1/2 | 145,399 |
| 3/4 | 9,807  | 3/4 | 24,985 | 3/4 | 40,065 | 3/4 | 54,655 | 3/4 | 69,833 | 3/4 | 85,012 | 3/4 | 100,191 | 3/4 | 115,368 | 3/4 | 130,542 | 3/4 | 145,715 |
| 8   | 10,123 | 8   | 25,301 | 8   | 40,366 | 8   | 54,971 | 8   | 70,150 | 8   | 85,329 | 8   | 100,508 | 8   | 115,684 | 8   | 130,858 | 8   | 146,031 |
| 1/4 | 10,439 | 1/4 | 25,617 | 1/4 | 40,668 | 1/4 | 55,287 | 1/4 | 70,466 | 1/4 | 85,645 | 1/4 | 100,824 | 1/4 | 116,000 | 1/4 | 131,174 | 1/4 | 146,347 |
| 1/2 | 10,755 | 1/2 | 25,934 | 1/2 | 40,970 | 1/2 | 55,603 | 1/2 | 70,782 | 1/2 | 85,961 | 1/2 | 101,140 | 1/2 | 116,316 | 1/2 | 131,490 | 1/2 | 146,663 |
| 3/4 | 11,071 | 3/4 | 26,250 | 3/4 | 41,272 | 3/4 | 55,919 | 3/4 | 71,098 | 3/4 | 86,277 | 3/4 | 101,456 | 3/4 | 116,633 | 3/4 | 131,806 | 3/4 | 146,979 |
| 9   | 11,388 | 9   | 26,566 | 9   | 41,574 | 9   | 56,236 | 9   | 71,415 | 9   | 86,594 | 9   | 101,773 | 9   | 116,949 | 9   | 132,122 | 9   | 147,295 |
| 1/4 | 11,704 | 1/4 | 26,882 | 1/4 | 41,875 | 1/4 | 56,552 | 1/4 | 71,731 | 1/4 | 86,910 | 1/4 | 102,089 | 1/4 | 117,265 | 1/4 | 132,438 | 1/4 | 147,612 |
| 1/2 | 12,020 | 1/2 | 27,199 | 1/2 | 42,177 | 1/2 | 56,868 | 1/2 | 72,047 | 1/2 | 87,226 | 1/2 | 102,405 | 1/2 | 117,581 | 1/2 | 132,754 | 1/2 | 147,928 |
| 3/4 | 12,336 | 3/4 | 27,515 | 3/4 | 42,479 | 3/4 | 57,184 | 3/4 | 72,363 | 3/4 | 87,542 | 3/4 | 102,721 | 3/4 | 117,897 | 3/4 | 133,070 | 3/4 | 148,244 |
| 10  | 12,653 | 10  | 27,831 | 10  | 42,781 | 10  | 57,501 | 10  | 72,680 | 10  | 87,859 | 10  | 103,037 | 10  | 118,213 | 10  | 133,387 | 10  | 148,560 |
| 1/4 | 12,969 | 1/4 | 28,147 | 1/4 | 43,083 | 1/4 | 57,817 | 1/4 | 72,996 | 1/4 | 88,175 | 1/4 | 103,354 | 1/4 | 118,529 | 1/4 | 133,703 | 1/4 | 148,876 |
| 1/2 | 13,285 | 1/2 | 28,463 | 1/2 | 43,384 | 1/2 | 58,133 | 1/2 | 73,312 | 1/2 | 88,491 | 1/2 | 103,670 | 1/2 | 118,845 | 1/2 | 134,019 | 1/2 | 149,192 |
| 3/4 | 13,601 | 3/4 | 28,780 | 3/4 | 43,686 | 3/4 | 58,449 | 3/4 | 73,628 | 3/4 | 88,807 | 3/4 | 103,986 | 3/4 | 119,162 | 3/4 | 134,335 | 3/4 | 149,508 |
| 11  | 13,917 | 11  | 29,096 | 11  | 43,988 | 11  | 58,765 | 11  | 73,944 | 11  | 89,123 | 11  | 104,302 | 11  | 119,478 | 11  | 134,651 | 11  | 149,824 |
| 1/4 | 14,234 | 1/4 | 29,412 | 1/4 | 44,290 | 1/4 | 59,082 | 1/4 | 74,261 | 1/4 | 89,440 | 1/4 | 104,619 | 1/4 | 119,794 | 1/4 | 134,967 | 1/4 | 150,140 |
| 1/2 | 14,550 | 1/2 | 29,728 | 1/2 | 44,592 | 1/2 | 59,398 | 1/2 | 74,577 | 1/2 | 89,756 | 1/2 | 104,935 | 1/2 | 120,110 | 1/2 | 135,283 | 1/2 | 150,457 |
| 3/4 | 14,866 | 3/4 | 30,044 | 3/4 | 44,894 | 3/4 | 59,714 | 3/4 | 74,893 | 3/4 | 90,072 | 3/4 | 105,251 | 3/4 | 120,426 | 3/4 | 135,599 | 3/4 | 150,773 |

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 LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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# BARGE "CBC 386"

**2 STBD**  
**INNAGE TABLE**

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

| IN  | 10 FT.  | IN  | 11 FT.  | IN  | 12 FT.  | IN  | 13 FT.  | IN  | 14 FT.  | IN  | 15 FT. | IN  | 16 FT. | IN  | 17 FT. | IN  | 18 FT. | IN  | 19 FT. |
|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0   | 151,089 | 0   | 166,262 | 0   | 181,436 | 0   | 196,609 | 0   | 211,718 | 0   |        | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 151,405 | 1/4 | 166,578 | 1/4 | 181,752 | 1/4 | 196,925 | 1/4 | 212,030 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 151,721 | 1/2 | 166,894 | 1/2 | 182,068 | 1/2 | 197,241 | 1/2 | 212,342 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 152,037 | 3/4 | 167,210 | 3/4 | 182,384 | 3/4 | 197,557 | 3/4 | 212,654 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 152,353 | 1   | 167,527 | 1   | 182,700 | 1   | 197,873 | 1   | 212,966 | 1   |        | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 152,669 | 1/4 | 167,843 | 1/4 | 183,016 | 1/4 | 198,188 | 1/4 | 213,278 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 152,985 | 1/2 | 168,159 | 1/2 | 183,332 | 1/2 | 198,503 | 1/2 | 213,590 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 153,302 | 3/4 | 168,475 | 3/4 | 183,648 | 3/4 | 198,818 | 3/4 | 213,902 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 153,618 | 2   | 168,791 | 2   | 183,964 | 2   | 199,133 | 2   | 214,214 | 2   |        | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 153,934 | 1/4 | 169,107 | 1/4 | 184,281 | 1/4 | 199,448 | 1/4 | 214,526 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 154,250 | 1/2 | 169,423 | 1/2 | 184,597 | 1/2 | 199,763 | 1/2 | 214,837 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 154,566 | 3/4 | 169,739 | 3/4 | 184,913 | 3/4 | 200,078 | 3/4 | 215,149 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 154,882 | 3   | 170,056 | 3   | 185,229 | 3   | 200,392 | 3   | 215,461 | 3   |        | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 155,198 | 1/4 | 170,372 | 1/4 | 185,545 | 1/4 | 200,707 | 1/4 | 215,773 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 155,514 | 1/2 | 170,688 | 1/2 | 185,861 | 1/2 | 201,022 | 1/2 | 216,084 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 155,830 | 3/4 | 171,004 | 3/4 | 186,177 | 3/4 | 201,337 | 3/4 | 216,396 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 156,147 | 4   | 171,320 | 4   | 186,493 | 4   | 201,652 | 4   | 216,708 | 4   |        | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 156,463 | 1/4 | 171,636 | 1/4 | 186,809 | 1/4 | 201,967 | 1/4 | 217,018 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 156,779 | 1/2 | 171,952 | 1/2 | 187,126 | 1/2 | 202,282 | 1/2 | 217,329 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 157,095 | 3/4 | 172,268 | 3/4 | 187,442 | 3/4 | 202,597 | 3/4 | 217,639 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 157,411 | 5   | 172,584 | 5   | 187,758 | 5   | 202,912 | 5   | 217,950 | 5   |        | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 157,727 | 1/4 | 172,901 | 1/4 | 188,074 | 1/4 | 203,226 | 1/4 | 218,235 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 158,043 | 1/2 | 173,217 | 1/2 | 188,390 | 1/2 | 203,541 | 1/2 | 218,521 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 158,359 | 3/4 | 173,533 | 3/4 | 188,706 | 3/4 | 203,856 | 3/4 | 218,806 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 158,675 | 6   | 173,849 | 6   | 189,022 | 6   | 204,171 | 6   | 219,092 | 6   |        | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 158,992 | 1/4 | 174,165 | 1/4 | 189,338 | 1/4 | 204,486 | 1/4 | 219,325 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 159,308 | 1/2 | 174,481 | 1/2 | 189,654 | 1/2 | 204,801 | 1/2 | 219,558 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 159,624 | 3/4 | 174,797 | 3/4 | 189,971 | 3/4 | 205,116 | 3/4 | 219,790 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 159,940 | 7   | 175,113 | 7   | 190,287 | 7   | 205,431 | 7   | 220,023 | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 160,256 | 1/4 | 175,429 | 1/4 | 190,603 | 1/4 | 205,746 | 1/4 | 220,205 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 160,572 | 1/2 | 175,746 | 1/2 | 190,919 | 1/2 | 206,061 | 1/2 | 220,386 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 160,888 | 3/4 | 176,062 | 3/4 | 191,235 | 3/4 | 206,375 | 3/4 | 220,568 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 161,204 | 8   | 176,378 | 8   | 191,551 | 8   | 206,690 | 8   | 220,749 | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 161,520 | 1/4 | 176,694 | 1/4 | 191,867 | 1/4 | 207,005 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 161,837 | 1/2 | 177,010 | 1/2 | 192,183 | 1/2 | 207,320 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 162,153 | 3/4 | 177,326 | 3/4 | 192,499 | 3/4 | 207,635 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 162,469 | 9   | 177,642 | 9   | 192,816 | 9   | 207,950 | 9   |         | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 162,785 | 1/4 | 177,958 | 1/4 | 193,132 | 1/4 | 208,265 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 163,101 | 1/2 | 178,274 | 1/2 | 193,448 | 1/2 | 208,580 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 163,417 | 3/4 | 178,591 | 3/4 | 193,764 | 3/4 | 208,895 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 163,733 | 10  | 178,907 | 10  | 194,080 | 10  | 209,210 | 10  |         | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 164,049 | 1/4 | 179,223 | 1/4 | 194,396 | 1/4 | 209,525 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 164,365 | 1/2 | 179,539 | 1/2 | 194,712 | 1/2 | 209,840 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 164,682 | 3/4 | 179,855 | 3/4 | 195,028 | 3/4 | 210,155 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 164,998 | 11  | 180,171 | 11  | 195,344 | 11  | 210,470 | 11  |         | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 165,314 | 1/4 | 180,487 | 1/4 | 195,661 | 1/4 | 210,782 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 165,630 | 1/2 | 180,803 | 1/2 | 195,977 | 1/2 | 211,094 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 165,946 | 3/4 | 181,119 | 3/4 | 196,293 | 3/4 | 211,406 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/18/2013 CL  
CALCULATED: 09/18/2013 CL  
PRINTED: 09/18/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2013

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



# BARGE "CBC 386"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 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   | 957    | 0   | 15,121 | 0   | 30,237 | 0   | 45,345 | 0   | 60,456 | 0   | 75,573 | 0   | 90,689  | 0   | 105,803 | 0   | 120,908 | 0   | 135,976 |
| 1/4 | 1,141  | 1/4 | 15,436 | 1/4 | 30,552 | 1/4 | 45,660 | 1/4 | 60,771 | 1/4 | 75,888 | 1/4 | 91,004  | 1/4 | 106,118 | 1/4 | 121,222 | 1/4 | 136,289 |
| 1/2 | 1,325  | 1/2 | 15,751 | 1/2 | 30,867 | 1/2 | 45,974 | 1/2 | 61,086 | 1/2 | 76,203 | 1/2 | 91,319  | 1/2 | 106,432 | 1/2 | 121,537 | 1/2 | 136,602 |
| 3/4 | 1,508  | 3/4 | 16,066 | 3/4 | 31,182 | 3/4 | 46,289 | 3/4 | 61,401 | 3/4 | 76,518 | 3/4 | 91,634  | 3/4 | 106,747 | 3/4 | 121,851 | 3/4 | 136,914 |
| 1   | 1,692  | 1   | 16,380 | 1   | 31,497 | 1   | 46,603 | 1   | 61,715 | 1   | 76,833 | 1   | 91,949  | 1   | 107,062 | 1   | 122,165 | 1   | 137,227 |
| 1/4 | 1,928  | 1/4 | 16,695 | 1/4 | 31,812 | 1/4 | 46,918 | 1/4 | 62,030 | 1/4 | 77,148 | 1/4 | 92,263  | 1/4 | 107,377 | 1/4 | 122,479 | 1/4 | 137,540 |
| 1/2 | 2,164  | 1/2 | 17,010 | 1/2 | 32,127 | 1/2 | 47,233 | 1/2 | 62,345 | 1/2 | 77,463 | 1/2 | 92,578  | 1/2 | 107,692 | 1/2 | 122,794 | 1/2 | 137,853 |
| 3/4 | 2,401  | 3/4 | 17,325 | 3/4 | 32,442 | 3/4 | 47,547 | 3/4 | 62,660 | 3/4 | 77,778 | 3/4 | 92,893  | 3/4 | 108,007 | 3/4 | 123,108 | 3/4 | 138,166 |
| 2   | 2,637  | 2   | 17,640 | 2   | 32,757 | 2   | 47,862 | 2   | 62,975 | 2   | 78,093 | 2   | 93,208  | 2   | 108,322 | 2   | 123,422 | 2   | 138,479 |
| 1/4 | 2,925  | 1/4 | 17,955 | 1/4 | 33,072 | 1/4 | 48,176 | 1/4 | 63,290 | 1/4 | 78,407 | 1/4 | 93,523  | 1/4 | 108,636 | 1/4 | 123,737 | 1/4 | 138,791 |
| 1/2 | 3,214  | 1/2 | 18,270 | 1/2 | 33,387 | 1/2 | 48,491 | 1/2 | 63,605 | 1/2 | 78,722 | 1/2 | 93,838  | 1/2 | 108,951 | 1/2 | 124,051 | 1/2 | 139,104 |
| 3/4 | 3,503  | 3/4 | 18,585 | 3/4 | 33,702 | 3/4 | 48,805 | 3/4 | 63,920 | 3/4 | 79,037 | 3/4 | 94,153  | 3/4 | 109,266 | 3/4 | 124,365 | 3/4 | 139,417 |
| 3   | 3,791  | 3   | 18,900 | 3   | 34,017 | 3   | 49,120 | 3   | 64,235 | 3   | 79,352 | 3   | 94,467  | 3   | 109,581 | 3   | 124,679 | 3   | 139,730 |
| 1/4 | 4,105  | 1/4 | 19,215 | 1/4 | 34,332 | 1/4 | 49,434 | 1/4 | 64,550 | 1/4 | 79,667 | 1/4 | 94,782  | 1/4 | 109,896 | 1/4 | 124,994 | 1/4 | 140,043 |
| 1/2 | 4,418  | 1/2 | 19,530 | 1/2 | 34,646 | 1/2 | 49,749 | 1/2 | 64,865 | 1/2 | 79,982 | 1/2 | 95,097  | 1/2 | 110,211 | 1/2 | 125,308 | 1/2 | 140,357 |
| 3/4 | 4,731  | 3/4 | 19,845 | 3/4 | 34,961 | 3/4 | 50,063 | 3/4 | 65,180 | 3/4 | 80,297 | 3/4 | 95,412  | 3/4 | 110,526 | 3/4 | 125,622 | 3/4 | 140,670 |
| 4   | 5,045  | 4   | 20,160 | 4   | 35,276 | 4   | 50,378 | 4   | 65,495 | 4   | 80,612 | 4   | 95,727  | 4   | 110,840 | 4   | 125,936 | 4   | 140,984 |
| 1/4 | 5,359  | 1/4 | 20,475 | 1/4 | 35,591 | 1/4 | 50,693 | 1/4 | 65,810 | 1/4 | 80,927 | 1/4 | 96,042  | 1/4 | 111,155 | 1/4 | 126,251 | 1/4 | 141,297 |
| 1/2 | 5,674  | 1/2 | 20,790 | 1/2 | 35,906 | 1/2 | 51,008 | 1/2 | 66,125 | 1/2 | 81,242 | 1/2 | 96,357  | 1/2 | 111,470 | 1/2 | 126,565 | 1/2 | 141,611 |
| 3/4 | 5,988  | 3/4 | 21,104 | 3/4 | 36,221 | 3/4 | 51,322 | 3/4 | 66,440 | 3/4 | 81,557 | 3/4 | 96,672  | 3/4 | 111,785 | 3/4 | 126,879 | 3/4 | 141,924 |
| 5   | 6,303  | 5   | 21,419 | 5   | 36,536 | 5   | 51,637 | 5   | 66,755 | 5   | 81,872 | 5   | 96,986  | 5   | 112,100 | 5   | 127,194 | 5   | 142,238 |
| 1/4 | 6,618  | 1/4 | 21,734 | 1/4 | 36,851 | 1/4 | 51,952 | 1/4 | 67,070 | 1/4 | 82,187 | 1/4 | 97,301  | 1/4 | 112,414 | 1/4 | 127,508 | 1/4 | 142,551 |
| 1/2 | 6,933  | 1/2 | 22,049 | 1/2 | 37,166 | 1/2 | 52,267 | 1/2 | 67,384 | 1/2 | 82,502 | 1/2 | 97,616  | 1/2 | 112,729 | 1/2 | 127,822 | 1/2 | 142,865 |
| 3/4 | 7,248  | 3/4 | 22,364 | 3/4 | 37,481 | 3/4 | 52,582 | 3/4 | 67,699 | 3/4 | 82,817 | 3/4 | 97,931  | 3/4 | 113,044 | 3/4 | 128,136 | 3/4 | 143,178 |
| 6   | 7,562  | 6   | 22,679 | 6   | 37,796 | 6   | 52,897 | 6   | 68,014 | 6   | 83,132 | 6   | 98,246  | 6   | 113,359 | 6   | 128,451 | 6   | 143,492 |
| 1/4 | 7,877  | 1/4 | 22,994 | 1/4 | 38,110 | 1/4 | 53,212 | 1/4 | 68,329 | 1/4 | 83,447 | 1/4 | 98,561  | 1/4 | 113,674 | 1/4 | 128,765 | 1/4 | 143,805 |
| 1/2 | 8,192  | 1/2 | 23,309 | 1/2 | 38,425 | 1/2 | 53,527 | 1/2 | 68,644 | 1/2 | 83,762 | 1/2 | 98,876  | 1/2 | 113,988 | 1/2 | 129,079 | 1/2 | 144,119 |
| 3/4 | 8,507  | 3/4 | 23,624 | 3/4 | 38,740 | 3/4 | 53,842 | 3/4 | 68,959 | 3/4 | 84,076 | 3/4 | 99,190  | 3/4 | 114,303 | 3/4 | 129,393 | 3/4 | 144,432 |
| 7   | 8,822  | 7   | 23,939 | 7   | 39,054 | 7   | 54,157 | 7   | 69,274 | 7   | 84,391 | 7   | 99,505  | 7   | 114,618 | 7   | 129,708 | 7   | 144,746 |
| 1/4 | 9,137  | 1/4 | 24,254 | 1/4 | 39,369 | 1/4 | 54,472 | 1/4 | 69,589 | 1/4 | 84,706 | 1/4 | 99,820  | 1/4 | 114,933 | 1/4 | 130,022 | 1/4 | 145,059 |
| 1/2 | 9,452  | 1/2 | 24,569 | 1/2 | 39,683 | 1/2 | 54,787 | 1/2 | 69,904 | 1/2 | 85,021 | 1/2 | 100,135 | 1/2 | 115,248 | 1/2 | 130,336 | 1/2 | 145,373 |
| 3/4 | 9,767  | 3/4 | 24,884 | 3/4 | 39,998 | 3/4 | 55,102 | 3/4 | 70,219 | 3/4 | 85,336 | 3/4 | 100,450 | 3/4 | 115,562 | 3/4 | 130,651 | 3/4 | 145,686 |
| 8   | 10,082 | 8   | 25,199 | 8   | 40,313 | 8   | 55,417 | 8   | 70,534 | 8   | 85,651 | 8   | 100,765 | 8   | 115,877 | 8   | 130,965 | 8   | 146,000 |
| 1/4 | 10,397 | 1/4 | 25,513 | 1/4 | 40,627 | 1/4 | 55,732 | 1/4 | 70,849 | 1/4 | 85,966 | 1/4 | 101,080 | 1/4 | 116,192 | 1/4 | 131,279 | 1/4 | 146,313 |
| 1/2 | 10,712 | 1/2 | 25,828 | 1/2 | 40,942 | 1/2 | 56,047 | 1/2 | 71,164 | 1/2 | 86,281 | 1/2 | 101,395 | 1/2 | 116,507 | 1/2 | 131,593 | 1/2 | 146,627 |
| 3/4 | 11,027 | 3/4 | 26,143 | 3/4 | 41,256 | 3/4 | 56,361 | 3/4 | 71,479 | 3/4 | 86,596 | 3/4 | 101,709 | 3/4 | 116,822 | 3/4 | 131,908 | 3/4 | 146,940 |
| 9   | 11,342 | 9   | 26,458 | 9   | 41,571 | 9   | 56,676 | 9   | 71,794 | 9   | 86,911 | 9   | 102,024 | 9   | 117,137 | 9   | 132,222 | 9   | 147,254 |
| 1/4 | 11,657 | 1/4 | 26,773 | 1/4 | 41,885 | 1/4 | 56,991 | 1/4 | 72,109 | 1/4 | 87,226 | 1/4 | 102,339 | 1/4 | 117,451 | 1/4 | 132,535 | 1/4 | 147,423 |
| 1/2 | 11,971 | 1/2 | 27,088 | 1/2 | 42,200 | 1/2 | 57,306 | 1/2 | 72,424 | 1/2 | 87,540 | 1/2 | 102,654 | 1/2 | 117,765 | 1/2 | 132,848 | 1/2 | 147,592 |
| 3/4 | 12,286 | 3/4 | 27,403 | 3/4 | 42,514 | 3/4 | 57,621 | 3/4 | 72,739 | 3/4 | 87,855 | 3/4 | 102,969 | 3/4 | 118,080 | 3/4 | 133,160 | 3/4 | 147,762 |
| 10  | 12,601 | 10  | 27,718 | 10  | 42,829 | 10  | 57,936 | 10  | 73,053 | 10  | 88,170 | 10  | 103,284 | 10  | 118,394 | 10  | 133,473 | 10  | 147,931 |
| 1/4 | 12,916 | 1/4 | 28,033 | 1/4 | 43,143 | 1/4 | 58,251 | 1/4 | 73,368 | 1/4 | 88,485 | 1/4 | 103,599 | 1/4 | 118,708 | 1/4 | 133,786 | 1/4 | 148,100 |
| 1/2 | 13,231 | 1/2 | 28,348 | 1/2 | 43,458 | 1/2 | 58,566 | 1/2 | 73,683 | 1/2 | 88,800 | 1/2 | 103,913 | 1/2 | 119,022 | 1/2 | 134,099 | 1/2 | 148,270 |
| 3/4 | 13,546 | 3/4 | 28,663 | 3/4 | 43,773 | 3/4 | 58,881 | 3/4 | 73,998 | 3/4 | 89,115 | 3/4 | 104,228 | 3/4 | 119,337 | 3/4 | 134,412 | 3/4 | 148,439 |
| 11  | 13,861 | 11  | 28,978 | 11  | 44,087 | 11  | 59,196 | 11  | 74,313 | 11  | 89,430 | 11  | 104,543 | 11  | 119,651 | 11  | 134,725 | 11  | 148,609 |
| 1/4 | 14,176 | 1/4 | 29,293 | 1/4 | 44,402 | 1/4 | 59,511 | 1/4 | 74,628 | 1/4 | 89,744 | 1/4 | 104,858 | 1/4 | 119,965 | 1/4 | 135,037 | 1/4 | 148,778 |
| 1/2 | 14,491 | 1/2 | 29,608 | 1/2 | 44,716 | 1/2 | 59,826 | 1/2 | 74,943 | 1/2 | 90,059 | 1/2 | 105,173 | 1/2 | 120,280 | 1/2 | 135,350 | 1/2 | 148,947 |
| 3/4 | 14,806 | 3/4 | 29,922 | 3/4 | 45,031 | 3/4 | 60,141 | 3/4 | 75,258 | 3/4 | 90,374 | 3/4 | 105,488 | 3/4 | 120,594 | 3/4 | 135,663 | 3/4 | 149,117 |

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 LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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# BARGE "CBC 386"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 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   | 149,286 | 0   | 157,415 | 0   | 165,545 | 0   | 173,674 | 0   | 181,770 | 0   |        | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 149,455 | 1/4 | 157,585 | 1/4 | 165,714 | 1/4 | 173,843 | 1/4 | 181,937 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 149,625 | 1/2 | 157,754 | 1/2 | 165,883 | 1/2 | 174,013 | 1/2 | 182,104 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 149,794 | 3/4 | 157,923 | 3/4 | 166,053 | 3/4 | 174,182 | 3/4 | 182,271 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 149,963 | 1   | 158,093 | 1   | 166,222 | 1   | 174,351 | 1   | 182,438 | 1   |        | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 150,133 | 1/4 | 158,262 | 1/4 | 166,391 | 1/4 | 174,520 | 1/4 | 182,606 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 150,302 | 1/2 | 158,431 | 1/2 | 166,561 | 1/2 | 174,689 | 1/2 | 182,773 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 150,472 | 3/4 | 158,601 | 3/4 | 166,730 | 3/4 | 174,858 | 3/4 | 182,940 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 150,641 | 2   | 158,770 | 2   | 166,900 | 2   | 175,026 | 2   | 183,107 | 2   |        | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 150,810 | 1/4 | 158,940 | 1/4 | 167,069 | 1/4 | 175,195 | 1/4 | 183,274 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 150,980 | 1/2 | 159,109 | 1/2 | 167,238 | 1/2 | 175,364 | 1/2 | 183,441 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 151,149 | 3/4 | 159,278 | 3/4 | 167,408 | 3/4 | 175,533 | 3/4 | 183,608 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 151,318 | 3   | 159,448 | 3   | 167,577 | 3   | 175,701 | 3   | 183,775 | 3   |        | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 151,488 | 1/4 | 159,617 | 1/4 | 167,746 | 1/4 | 175,870 | 1/4 | 183,942 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 151,657 | 1/2 | 159,786 | 1/2 | 167,916 | 1/2 | 176,039 | 1/2 | 184,109 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 151,826 | 3/4 | 159,956 | 3/4 | 168,085 | 3/4 | 176,208 | 3/4 | 184,275 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 151,996 | 4   | 160,125 | 4   | 168,254 | 4   | 176,376 | 4   | 184,442 | 4   |        | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 152,165 | 1/4 | 160,294 | 1/4 | 168,424 | 1/4 | 176,545 | 1/4 | 184,608 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 152,334 | 1/2 | 160,464 | 1/2 | 168,593 | 1/2 | 176,714 | 1/2 | 184,773 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 152,504 | 3/4 | 160,633 | 3/4 | 168,762 | 3/4 | 176,883 | 3/4 | 184,939 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 152,673 | 5   | 160,803 | 5   | 168,932 | 5   | 177,051 | 5   | 185,105 | 5   |        | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 152,843 | 1/4 | 160,972 | 1/4 | 169,101 | 1/4 | 177,220 | 1/4 | 185,245 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 153,012 | 1/2 | 161,141 | 1/2 | 169,271 | 1/2 | 177,389 | 1/2 | 185,386 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 153,181 | 3/4 | 161,311 | 3/4 | 169,440 | 3/4 | 177,558 | 3/4 | 185,527 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 153,351 | 6   | 161,480 | 6   | 169,609 | 6   | 177,726 | 6   | 185,668 | 6   |        | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 153,520 | 1/4 | 161,649 | 1/4 | 169,779 | 1/4 | 177,895 | 1/4 | 185,756 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 153,689 | 1/2 | 161,819 | 1/2 | 169,948 | 1/2 | 178,064 | 1/2 | 185,845 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 153,859 | 3/4 | 161,988 | 3/4 | 170,117 | 3/4 | 178,233 | 3/4 | 185,933 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 154,028 | 7   | 162,157 | 7   | 170,287 | 7   | 178,401 | 7   | 186,022 | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 154,197 | 1/4 | 162,327 | 1/4 | 170,456 | 1/4 | 178,570 | 1/4 | 186,058 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 154,367 | 1/2 | 162,496 | 1/2 | 170,625 | 1/2 | 178,739 | 1/2 | 186,095 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 154,536 | 3/4 | 162,665 | 3/4 | 170,795 | 3/4 | 178,908 | 3/4 | 186,131 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 154,706 | 8   | 162,835 | 8   | 170,964 | 8   | 179,076 | 8   | 186,168 | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 154,875 | 1/4 | 163,004 | 1/4 | 171,134 | 1/4 | 179,245 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 155,044 | 1/2 | 163,174 | 1/2 | 171,303 | 1/2 | 179,414 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 155,214 | 3/4 | 163,343 | 3/4 | 171,472 | 3/4 | 179,583 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 155,383 | 9   | 163,512 | 9   | 171,642 | 9   | 179,751 | 9   |         | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 155,552 | 1/4 | 163,682 | 1/4 | 171,811 | 1/4 | 179,920 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 155,722 | 1/2 | 163,851 | 1/2 | 171,980 | 1/2 | 180,089 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 155,891 | 3/4 | 164,020 | 3/4 | 172,150 | 3/4 | 180,258 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 156,060 | 10  | 164,190 | 10  | 172,319 | 10  | 180,426 | 10  |         | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 156,230 | 1/4 | 164,359 | 1/4 | 172,488 | 1/4 | 180,595 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 156,399 | 1/2 | 164,528 | 1/2 | 172,658 | 1/2 | 180,764 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 156,569 | 3/4 | 164,698 | 3/4 | 172,827 | 3/4 | 180,933 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 156,738 | 11  | 164,867 | 11  | 172,996 | 11  | 181,101 | 11  |         | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 156,907 | 1/4 | 165,037 | 1/4 | 173,166 | 1/4 | 181,268 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 157,077 | 1/2 | 165,206 | 1/2 | 173,335 | 1/2 | 181,436 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 157,246 | 3/4 | 165,375 | 3/4 | 173,505 | 3/4 | 181,603 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/18/2013 CL  
CALCULATED: 09/18/2013 CL  
PRINTED: 09/18/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2013

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



# BARGE "CBC 386"

3 STBD

## INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

| IN  | 0 FT.  | IN  | 1 FT.  | IN  | 2 FT.  | IN  | 3 FT.  | IN  | 4 FT.  | IN  | 5 FT.  | IN  | 6 FT.   | IN  | 7 FT.   | IN  | 8 FT.   | IN  | 9 FT.   |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|---------|-----|---------|-----|---------|-----|---------|
| 0   | 958    | 0   | 15,102 | 0   | 30,199 | 0   | 44,803 | 0   | 59,629 | 0   | 74,701 | 0   | 89,793  | 0   | 104,882 | 0   | 119,962 | 0   | 134,998 |
| 1/4 | 1,141  | 1/4 | 15,417 | 1/4 | 30,514 | 1/4 | 45,104 | 1/4 | 59,941 | 1/4 | 75,016 | 1/4 | 90,107  | 1/4 | 105,196 | 1/4 | 120,276 | 1/4 | 135,310 |
| 1/2 | 1,325  | 1/2 | 15,731 | 1/2 | 30,828 | 1/2 | 45,404 | 1/2 | 60,253 | 1/2 | 75,330 | 1/2 | 90,421  | 1/2 | 105,510 | 1/2 | 120,590 | 1/2 | 135,623 |
| 3/4 | 1,509  | 3/4 | 16,046 | 3/4 | 31,143 | 3/4 | 45,704 | 3/4 | 60,565 | 3/4 | 75,644 | 3/4 | 90,736  | 3/4 | 105,825 | 3/4 | 120,904 | 3/4 | 135,935 |
| 1   | 1,692  | 1   | 16,360 | 1   | 31,457 | 1   | 46,005 | 1   | 60,877 | 1   | 75,959 | 1   | 91,050  | 1   | 106,139 | 1   | 121,218 | 1   | 136,247 |
| 1/4 | 1,928  | 1/4 | 16,675 | 1/4 | 31,772 | 1/4 | 46,305 | 1/4 | 61,188 | 1/4 | 76,273 | 1/4 | 91,364  | 1/4 | 106,453 | 1/4 | 121,531 | 1/4 | 136,560 |
| 1/2 | 2,164  | 1/2 | 16,989 | 1/2 | 32,086 | 1/2 | 46,605 | 1/2 | 61,500 | 1/2 | 76,588 | 1/2 | 91,679  | 1/2 | 106,768 | 1/2 | 121,844 | 1/2 | 136,872 |
| 3/4 | 2,400  | 3/4 | 17,304 | 3/4 | 32,401 | 3/4 | 46,906 | 3/4 | 61,812 | 3/4 | 76,902 | 3/4 | 91,993  | 3/4 | 107,082 | 3/4 | 122,158 | 3/4 | 137,184 |
| 2   | 2,636  | 2   | 17,618 | 2   | 32,715 | 2   | 47,206 | 2   | 62,124 | 2   | 77,217 | 2   | 92,307  | 2   | 107,397 | 2   | 122,471 | 2   | 137,497 |
| 1/4 | 2,923  | 1/4 | 17,933 | 1/4 | 33,030 | 1/4 | 47,506 | 1/4 | 62,438 | 1/4 | 77,531 | 1/4 | 92,622  | 1/4 | 107,711 | 1/4 | 122,785 | 1/4 | 137,809 |
| 1/2 | 3,211  | 1/2 | 18,248 | 1/2 | 33,344 | 1/2 | 47,807 | 1/2 | 62,753 | 1/2 | 77,845 | 1/2 | 92,936  | 1/2 | 108,025 | 1/2 | 123,098 | 1/2 | 138,121 |
| 3/4 | 3,499  | 3/4 | 18,562 | 3/4 | 33,659 | 3/4 | 48,107 | 3/4 | 63,067 | 3/4 | 78,160 | 3/4 | 93,251  | 3/4 | 108,340 | 3/4 | 123,412 | 3/4 | 138,434 |
| 3   | 3,787  | 3   | 18,877 | 3   | 33,973 | 3   | 48,407 | 3   | 63,382 | 3   | 78,474 | 3   | 93,565  | 3   | 108,654 | 3   | 123,725 | 3   | 138,746 |
| 1/4 | 4,100  | 1/4 | 19,191 | 1/4 | 34,276 | 1/4 | 48,720 | 1/4 | 63,696 | 1/4 | 78,789 | 1/4 | 93,879  | 1/4 | 108,968 | 1/4 | 124,039 | 1/4 | 139,059 |
| 1/2 | 4,413  | 1/2 | 19,506 | 1/2 | 34,579 | 1/2 | 49,032 | 1/2 | 64,011 | 1/2 | 79,103 | 1/2 | 94,194  | 1/2 | 109,283 | 1/2 | 124,352 | 1/2 | 139,372 |
| 3/4 | 4,726  | 3/4 | 19,820 | 3/4 | 34,881 | 3/4 | 49,344 | 3/4 | 64,325 | 3/4 | 79,418 | 3/4 | 94,508  | 3/4 | 109,597 | 3/4 | 124,665 | 3/4 | 139,685 |
| 4   | 5,039  | 4   | 20,135 | 4   | 35,184 | 4   | 49,657 | 4   | 64,639 | 4   | 79,732 | 4   | 94,822  | 4   | 109,911 | 4   | 124,979 | 4   | 139,998 |
| 1/4 | 5,353  | 1/4 | 20,449 | 1/4 | 35,485 | 1/4 | 49,968 | 1/4 | 64,954 | 1/4 | 80,046 | 1/4 | 95,137  | 1/4 | 110,225 | 1/4 | 125,292 | 1/4 | 140,311 |
| 1/2 | 5,667  | 1/2 | 20,764 | 1/2 | 35,787 | 1/2 | 50,279 | 1/2 | 65,268 | 1/2 | 80,361 | 1/2 | 95,451  | 1/2 | 110,540 | 1/2 | 125,606 | 1/2 | 140,624 |
| 3/4 | 5,982  | 3/4 | 21,078 | 3/4 | 36,088 | 3/4 | 50,590 | 3/4 | 65,583 | 3/4 | 80,675 | 3/4 | 95,765  | 3/4 | 110,854 | 3/4 | 125,919 | 3/4 | 140,937 |
| 5   | 6,296  | 5   | 21,393 | 5   | 36,389 | 5   | 50,901 | 5   | 65,897 | 5   | 80,990 | 5   | 96,080  | 5   | 111,168 | 5   | 126,233 | 5   | 141,250 |
| 1/4 | 6,611  | 1/4 | 21,707 | 1/4 | 36,691 | 1/4 | 51,212 | 1/4 | 66,212 | 1/4 | 81,304 | 1/4 | 96,394  | 1/4 | 111,483 | 1/4 | 126,546 | 1/4 | 141,563 |
| 1/2 | 6,925  | 1/2 | 22,022 | 1/2 | 36,992 | 1/2 | 51,523 | 1/2 | 66,526 | 1/2 | 81,619 | 1/2 | 96,708  | 1/2 | 111,797 | 1/2 | 126,859 | 1/2 | 141,876 |
| 3/4 | 7,239  | 3/4 | 22,336 | 3/4 | 37,294 | 3/4 | 51,834 | 3/4 | 66,840 | 3/4 | 81,933 | 3/4 | 97,023  | 3/4 | 112,111 | 3/4 | 127,173 | 3/4 | 142,189 |
| 6   | 7,554  | 6   | 22,651 | 6   | 37,595 | 6   | 52,145 | 6   | 67,155 | 6   | 82,248 | 6   | 97,337  | 6   | 112,425 | 6   | 127,486 | 6   | 142,502 |
| 1/4 | 7,868  | 1/4 | 22,965 | 1/4 | 37,895 | 1/4 | 52,457 | 1/4 | 67,469 | 1/4 | 82,562 | 1/4 | 97,652  | 1/4 | 112,740 | 1/4 | 127,800 | 1/4 | 142,815 |
| 1/2 | 8,183  | 1/2 | 23,280 | 1/2 | 38,196 | 1/2 | 52,769 | 1/2 | 67,784 | 1/2 | 82,876 | 1/2 | 97,966  | 1/2 | 113,054 | 1/2 | 128,113 | 1/2 | 143,128 |
| 3/4 | 8,497  | 3/4 | 23,594 | 3/4 | 38,496 | 3/4 | 53,081 | 3/4 | 68,098 | 3/4 | 83,191 | 3/4 | 98,280  | 3/4 | 113,368 | 3/4 | 128,427 | 3/4 | 143,441 |
| 7   | 8,812  | 7   | 23,909 | 7   | 38,797 | 7   | 53,393 | 7   | 68,413 | 7   | 83,505 | 7   | 98,595  | 7   | 113,683 | 7   | 128,740 | 7   | 143,754 |
| 1/4 | 9,127  | 1/4 | 24,223 | 1/4 | 39,097 | 1/4 | 53,704 | 1/4 | 68,727 | 1/4 | 83,820 | 1/4 | 98,909  | 1/4 | 113,997 | 1/4 | 129,054 | 1/4 | 144,067 |
| 1/2 | 9,441  | 1/2 | 24,538 | 1/2 | 39,397 | 1/2 | 54,016 | 1/2 | 69,041 | 1/2 | 84,134 | 1/2 | 99,223  | 1/2 | 114,311 | 1/2 | 129,368 | 1/2 | 144,380 |
| 3/4 | 9,756  | 3/4 | 24,852 | 3/4 | 39,698 | 3/4 | 54,328 | 3/4 | 69,356 | 3/4 | 84,449 | 3/4 | 99,538  | 3/4 | 114,626 | 3/4 | 129,681 | 3/4 | 144,693 |
| 8   | 10,070 | 8   | 25,167 | 8   | 39,998 | 8   | 54,640 | 8   | 69,670 | 8   | 84,763 | 8   | 99,852  | 8   | 114,940 | 8   | 129,995 | 8   | 145,006 |
| 1/4 | 10,385 | 1/4 | 25,481 | 1/4 | 40,298 | 1/4 | 54,952 | 1/4 | 69,985 | 1/4 | 85,077 | 1/4 | 100,166 | 1/4 | 115,254 | 1/4 | 130,309 | 1/4 | 145,318 |
| 1/2 | 10,699 | 1/2 | 25,796 | 1/2 | 40,599 | 1/2 | 55,264 | 1/2 | 70,299 | 1/2 | 85,392 | 1/2 | 100,481 | 1/2 | 115,569 | 1/2 | 130,623 | 1/2 | 145,631 |
| 3/4 | 11,014 | 3/4 | 26,110 | 3/4 | 40,899 | 3/4 | 55,575 | 3/4 | 70,614 | 3/4 | 85,706 | 3/4 | 100,795 | 3/4 | 115,883 | 3/4 | 130,936 | 3/4 | 145,944 |
| 9   | 11,328 | 9   | 26,425 | 9   | 41,199 | 9   | 55,887 | 9   | 70,928 | 9   | 86,020 | 9   | 101,109 | 9   | 116,197 | 9   | 131,250 | 9   | 146,257 |
| 1/4 | 11,643 | 1/4 | 26,739 | 1/4 | 41,500 | 1/4 | 56,199 | 1/4 | 71,242 | 1/4 | 86,335 | 1/4 | 101,424 | 1/4 | 116,511 | 1/4 | 131,563 | 1/4 | 146,426 |
| 1/2 | 11,957 | 1/2 | 27,054 | 1/2 | 41,800 | 1/2 | 56,511 | 1/2 | 71,557 | 1/2 | 86,649 | 1/2 | 101,738 | 1/2 | 116,825 | 1/2 | 131,875 | 1/2 | 146,595 |
| 3/4 | 12,272 | 3/4 | 27,369 | 3/4 | 42,100 | 3/4 | 56,823 | 3/4 | 71,871 | 3/4 | 86,963 | 3/4 | 102,052 | 3/4 | 117,139 | 3/4 | 132,187 | 3/4 | 146,764 |
| 10  | 12,586 | 10  | 27,683 | 10  | 42,401 | 10  | 57,135 | 10  | 72,186 | 10  | 87,278 | 10  | 102,367 | 10  | 117,452 | 10  | 132,500 | 10  | 146,933 |
| 1/4 | 12,901 | 1/4 | 27,998 | 1/4 | 42,701 | 1/4 | 57,446 | 1/4 | 72,500 | 1/4 | 87,592 | 1/4 | 102,681 | 1/4 | 117,766 | 1/4 | 132,812 | 1/4 | 147,101 |
| 1/2 | 13,215 | 1/2 | 28,312 | 1/2 | 43,001 | 1/2 | 57,758 | 1/2 | 72,815 | 1/2 | 87,906 | 1/2 | 102,996 | 1/2 | 118,080 | 1/2 | 133,124 | 1/2 | 147,270 |
| 3/4 | 13,530 | 3/4 | 28,627 | 3/4 | 43,302 | 3/4 | 58,070 | 3/4 | 73,129 | 3/4 | 88,221 | 3/4 | 103,310 | 3/4 | 118,394 | 3/4 | 133,437 | 3/4 | 147,439 |
| 11  | 13,844 | 11  | 28,941 | 11  | 43,602 | 11  | 58,382 | 11  | 73,443 | 11  | 88,535 | 11  | 103,624 | 11  | 118,707 | 11  | 133,749 | 11  | 147,608 |
| 1/4 | 14,159 | 1/4 | 29,256 | 1/4 | 43,902 | 1/4 | 58,694 | 1/4 | 73,758 | 1/4 | 88,850 | 1/4 | 103,939 | 1/4 | 119,021 | 1/4 | 134,061 | 1/4 | 147,777 |
| 1/2 | 14,473 | 1/2 | 29,570 | 1/2 | 44,203 | 1/2 | 59,006 | 1/2 | 74,072 | 1/2 | 89,164 | 1/2 | 104,253 | 1/2 | 119,335 | 1/2 | 134,373 | 1/2 | 147,946 |
| 3/4 | 14,788 | 3/4 | 29,885 | 3/4 | 44,503 | 3/4 | 59,317 | 3/4 | 74,387 | 3/4 | 89,478 | 3/4 | 104,567 | 3/4 | 119,649 | 3/4 | 134,686 | 3/4 | 148,114 |

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 LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 386"

**3 STBD**  
**INNAGE TABLE**

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

| IN  | 10 FT.  | IN  | 11 FT.  | IN  | 12 FT.  | IN  | 13 FT.  | IN  | 14 FT.  | IN  | 15 FT. | IN  | 16 FT. | IN  | 17 FT. | IN  | 18 FT. | IN  | 19 FT. |
|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0   | 148,283 | 0   | 156,386 | 0   | 164,489 | 0   | 172,592 | 0   | 180,662 | 0   |        | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 148,452 | 1/4 | 156,555 | 1/4 | 164,658 | 1/4 | 172,761 | 1/4 | 180,828 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 148,621 | 1/2 | 156,724 | 1/2 | 164,827 | 1/2 | 172,930 | 1/2 | 180,995 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 148,790 | 3/4 | 156,893 | 3/4 | 164,996 | 3/4 | 173,099 | 3/4 | 181,162 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 148,958 | 1   | 157,061 | 1   | 165,164 | 1   | 173,268 | 1   | 181,328 | 1   |        | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 149,127 | 1/4 | 157,230 | 1/4 | 165,333 | 1/4 | 173,436 | 1/4 | 181,495 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 149,296 | 1/2 | 157,399 | 1/2 | 165,502 | 1/2 | 173,604 | 1/2 | 181,661 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 149,465 | 3/4 | 157,568 | 3/4 | 165,671 | 3/4 | 173,772 | 3/4 | 181,828 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 149,634 | 2   | 157,737 | 2   | 165,840 | 2   | 173,940 | 2   | 181,995 | 2   |        | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 149,802 | 1/4 | 157,906 | 1/4 | 166,009 | 1/4 | 174,109 | 1/4 | 182,161 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 149,971 | 1/2 | 158,074 | 1/2 | 166,177 | 1/2 | 174,277 | 1/2 | 182,328 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 150,140 | 3/4 | 158,243 | 3/4 | 166,346 | 3/4 | 174,445 | 3/4 | 182,494 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 150,309 | 3   | 158,412 | 3   | 166,515 | 3   | 174,613 | 3   | 182,661 | 3   |        | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 150,478 | 1/4 | 158,581 | 1/4 | 166,684 | 1/4 | 174,781 | 1/4 | 182,827 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 150,647 | 1/2 | 158,750 | 1/2 | 166,853 | 1/2 | 174,950 | 1/2 | 182,993 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 150,815 | 3/4 | 158,918 | 3/4 | 167,021 | 3/4 | 175,118 | 3/4 | 183,159 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 150,984 | 4   | 159,087 | 4   | 167,190 | 4   | 175,286 | 4   | 183,325 | 4   |        | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 151,153 | 1/4 | 159,256 | 1/4 | 167,359 | 1/4 | 175,454 | 1/4 | 183,490 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 151,322 | 1/2 | 159,425 | 1/2 | 167,528 | 1/2 | 175,622 | 1/2 | 183,656 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 151,491 | 3/4 | 159,594 | 3/4 | 167,697 | 3/4 | 175,791 | 3/4 | 183,821 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 151,659 | 5   | 159,762 | 5   | 167,865 | 5   | 175,959 | 5   | 183,986 | 5   |        | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 151,828 | 1/4 | 159,931 | 1/4 | 168,034 | 1/4 | 176,127 | 1/4 | 184,126 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 151,997 | 1/2 | 160,100 | 1/2 | 168,203 | 1/2 | 176,295 | 1/2 | 184,266 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 152,166 | 3/4 | 160,269 | 3/4 | 168,372 | 3/4 | 176,463 | 3/4 | 184,407 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 152,335 | 6   | 160,438 | 6   | 168,541 | 6   | 176,632 | 6   | 184,547 | 6   |        | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 152,504 | 1/4 | 160,607 | 1/4 | 168,710 | 1/4 | 176,800 | 1/4 | 184,635 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 152,672 | 1/2 | 160,775 | 1/2 | 168,878 | 1/2 | 176,968 | 1/2 | 184,723 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 152,841 | 3/4 | 160,944 | 3/4 | 169,047 | 3/4 | 177,136 | 3/4 | 184,810 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 153,010 | 7   | 161,113 | 7   | 169,216 | 7   | 177,304 | 7   | 184,898 | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 153,179 | 1/4 | 161,282 | 1/4 | 169,385 | 1/4 | 177,473 | 1/4 | 184,934 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 153,348 | 1/2 | 161,451 | 1/2 | 169,554 | 1/2 | 177,641 | 1/2 | 184,970 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 153,516 | 3/4 | 161,619 | 3/4 | 169,722 | 3/4 | 177,809 | 3/4 | 185,006 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 153,685 | 8   | 161,788 | 8   | 169,891 | 8   | 177,977 | 8   | 185,042 | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 153,854 | 1/4 | 161,957 | 1/4 | 170,060 | 1/4 | 178,145 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 154,023 | 1/2 | 162,126 | 1/2 | 170,229 | 1/2 | 178,314 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 154,192 | 3/4 | 162,295 | 3/4 | 170,398 | 3/4 | 178,482 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 154,360 | 9   | 162,463 | 9   | 170,566 | 9   | 178,650 | 9   |         | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 154,529 | 1/4 | 162,632 | 1/4 | 170,735 | 1/4 | 178,818 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 154,698 | 1/2 | 162,801 | 1/2 | 170,904 | 1/2 | 178,986 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 154,867 | 3/4 | 162,970 | 3/4 | 171,073 | 3/4 | 179,155 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 155,036 | 10  | 163,139 | 10  | 171,242 | 10  | 179,323 | 10  |         | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 155,205 | 1/4 | 163,308 | 1/4 | 171,411 | 1/4 | 179,491 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 155,373 | 1/2 | 163,476 | 1/2 | 171,579 | 1/2 | 179,659 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 155,542 | 3/4 | 163,645 | 3/4 | 171,748 | 3/4 | 179,827 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 155,711 | 11  | 163,814 | 11  | 171,917 | 11  | 179,996 | 11  |         | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 155,880 | 1/4 | 163,983 | 1/4 | 172,086 | 1/4 | 180,162 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 156,049 | 1/2 | 164,152 | 1/2 | 172,255 | 1/2 | 180,329 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 156,217 | 3/4 | 164,320 | 3/4 | 172,423 | 3/4 | 180,495 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/18/2013 CL  
CALCULATED: 09/18/2013 CL  
PRINTED: 09/18/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2013

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



# BARGE "CBC 386"

## 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 PORT | - 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       |
| 1 STBD | - 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 PORT | - 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 STBD | - 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       |
| 3 PORT | 00-1/2     | - 00-1/2     | 01-1/8     | - 01-1/8     | 01-5/8     | - 01-5/8     | 02-1/4     | - 02-1/4     | 02-3/4     | - 02-3/4     | 03-3/8     | - 03-3/8     |
| 3 STBD | 00-1/2     | - 00-1/2     | 01-1/8     | - 01-1/8     | 01-5/8     | - 01-5/8     | 02-1/4     | - 02-1/4     | 02-3/4     | - 02-3/4     | 03-3/8     | - 03-3/8     |

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 4'-00"  
 AFT DRAFT = 6'-00"  
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS 00-1/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 253'-09"

September 18, 2013

PRECISION MEASUREMENT  
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# BARGE "CBC 386"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

| IN  | 0 FT. | IN  | 1 FT.   | IN  | 2 FT.   | IN  | 3 FT.   | IN  | 4 FT.   | IN  | 5 FT.   | IN  | 6 FT.   | IN  | 7 FT.   | IN  | 8 FT.   | IN  | 9 FT.   |
|-----|-------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|
| 0   |       | 0   |         | 0   | 208,472 | 0   | 193,276 | 0   | 178,044 | 0   | 162,812 | 0   | 147,580 | 0   | 132,349 | 0   | 117,117 | 0   | 101,882 |
| 1/4 |       | 1/4 | 222,269 | 1/4 | 208,156 | 1/4 | 192,958 | 1/4 | 177,727 | 1/4 | 162,495 | 1/4 | 147,263 | 1/4 | 132,031 | 1/4 | 116,799 | 1/4 | 101,564 |
| 1/2 |       | 1/2 | 222,087 | 1/2 | 207,840 | 1/2 | 192,641 | 1/2 | 177,409 | 1/2 | 162,177 | 1/2 | 146,946 | 1/2 | 131,714 | 1/2 | 116,482 | 1/2 | 101,247 |
| 3/4 |       | 3/4 | 221,905 | 3/4 | 207,524 | 3/4 | 192,324 | 3/4 | 177,092 | 3/4 | 161,860 | 3/4 | 146,628 | 3/4 | 131,397 | 3/4 | 116,165 | 3/4 | 100,929 |
| 1   |       | 1   | 221,723 | 1   | 207,208 | 1   | 192,006 | 1   | 176,775 | 1   | 161,543 | 1   | 146,311 | 1   | 131,079 | 1   | 115,847 | 1   | 100,612 |
| 1/4 |       | 1/4 | 221,541 | 1/4 | 206,891 | 1/4 | 191,689 | 1/4 | 176,457 | 1/4 | 161,225 | 1/4 | 145,994 | 1/4 | 130,762 | 1/4 | 115,530 | 1/4 | 100,295 |
| 1/2 |       | 1/2 | 221,307 | 1/2 | 206,575 | 1/2 | 191,372 | 1/2 | 176,140 | 1/2 | 160,908 | 1/2 | 145,676 | 1/2 | 130,445 | 1/2 | 115,213 | 1/2 | 99,977  |
| 3/4 |       | 3/4 | 221,073 | 3/4 | 206,259 | 3/4 | 191,054 | 3/4 | 175,823 | 3/4 | 160,591 | 3/4 | 145,359 | 3/4 | 130,127 | 3/4 | 114,895 | 3/4 | 99,660  |
| 2   |       | 2   | 220,839 | 2   | 205,943 | 2   | 190,737 | 2   | 175,505 | 2   | 160,273 | 2   | 145,042 | 2   | 129,810 | 2   | 114,578 | 2   | 99,342  |
| 1/4 |       | 1/4 | 220,605 | 1/4 | 205,627 | 1/4 | 190,420 | 1/4 | 175,188 | 1/4 | 159,956 | 1/4 | 144,724 | 1/4 | 129,493 | 1/4 | 114,261 | 1/4 | 99,025  |
| 1/2 |       | 1/2 | 220,319 | 1/2 | 205,311 | 1/2 | 190,102 | 1/2 | 174,871 | 1/2 | 159,639 | 1/2 | 144,407 | 1/2 | 129,175 | 1/2 | 113,943 | 1/2 | 98,707  |
| 3/4 |       | 3/4 | 220,032 | 3/4 | 204,995 | 3/4 | 189,785 | 3/4 | 174,553 | 3/4 | 159,321 | 3/4 | 144,090 | 3/4 | 128,858 | 3/4 | 113,626 | 3/4 | 98,390  |
| 3   |       | 3   | 219,745 | 3   | 204,679 | 3   | 189,468 | 3   | 174,236 | 3   | 159,004 | 3   | 143,772 | 3   | 128,541 | 3   | 113,309 | 3   | 98,072  |
| 1/4 |       | 1/4 | 219,459 | 1/4 | 204,363 | 1/4 | 189,150 | 1/4 | 173,919 | 1/4 | 158,687 | 1/4 | 143,455 | 1/4 | 128,223 | 1/4 | 112,991 | 1/4 | 97,755  |
| 1/2 |       | 1/2 | 219,147 | 1/2 | 204,047 | 1/2 | 188,833 | 1/2 | 173,601 | 1/2 | 158,370 | 1/2 | 143,138 | 1/2 | 127,906 | 1/2 | 112,674 | 1/2 | 97,438  |
| 3/4 |       | 3/4 | 218,835 | 3/4 | 203,730 | 3/4 | 188,516 | 3/4 | 173,284 | 3/4 | 158,052 | 3/4 | 142,820 | 3/4 | 127,589 | 3/4 | 112,357 | 3/4 | 97,120  |
| 4   |       | 4   | 218,524 | 4   | 203,414 | 4   | 188,198 | 4   | 172,967 | 4   | 157,735 | 4   | 142,503 | 4   | 127,271 | 4   | 112,039 | 4   | 96,803  |
| 1/4 |       | 1/4 | 218,212 | 1/4 | 203,098 | 1/4 | 187,881 | 1/4 | 172,649 | 1/4 | 157,418 | 1/4 | 142,186 | 1/4 | 126,954 | 1/4 | 111,722 | 1/4 | 96,485  |
| 1/2 |       | 1/2 | 217,899 | 1/2 | 202,782 | 1/2 | 187,564 | 1/2 | 172,332 | 1/2 | 157,100 | 1/2 | 141,868 | 1/2 | 126,637 | 1/2 | 111,405 | 1/2 | 96,168  |
| 3/4 |       | 3/4 | 217,586 | 3/4 | 202,466 | 3/4 | 187,246 | 3/4 | 172,015 | 3/4 | 156,783 | 3/4 | 141,551 | 3/4 | 126,319 | 3/4 | 111,087 | 3/4 | 95,850  |
| 5   |       | 5   | 217,274 | 5   | 202,150 | 5   | 186,929 | 5   | 171,697 | 5   | 156,466 | 5   | 141,234 | 5   | 126,002 | 5   | 110,770 | 5   | 95,533  |
| 1/4 |       | 1/4 | 216,961 | 1/4 | 201,834 | 1/4 | 186,612 | 1/4 | 171,380 | 1/4 | 156,148 | 1/4 | 140,916 | 1/4 | 125,685 | 1/4 | 110,453 | 1/4 | 95,215  |
| 1/2 |       | 1/2 | 216,648 | 1/2 | 201,518 | 1/2 | 186,294 | 1/2 | 171,063 | 1/2 | 155,831 | 1/2 | 140,599 | 1/2 | 125,367 | 1/2 | 110,135 | 1/2 | 94,898  |
| 3/4 |       | 3/4 | 216,335 | 3/4 | 201,202 | 3/4 | 185,977 | 3/4 | 170,745 | 3/4 | 155,514 | 3/4 | 140,282 | 3/4 | 125,050 | 3/4 | 109,818 | 3/4 | 94,581  |
| 6   |       | 6   | 216,021 | 6   | 200,885 | 6   | 185,660 | 6   | 170,428 | 6   | 155,196 | 6   | 139,964 | 6   | 124,733 | 6   | 109,500 | 6   | 94,263  |
| 1/4 |       | 1/4 | 215,708 | 1/4 | 200,569 | 1/4 | 185,342 | 1/4 | 170,111 | 1/4 | 154,879 | 1/4 | 139,647 | 1/4 | 124,415 | 1/4 | 109,183 | 1/4 | 93,946  |
| 1/2 |       | 1/2 | 215,395 | 1/2 | 200,253 | 1/2 | 185,025 | 1/2 | 169,793 | 1/2 | 154,562 | 1/2 | 139,330 | 1/2 | 124,098 | 1/2 | 108,866 | 1/2 | 93,628  |
| 3/4 |       | 3/4 | 215,082 | 3/4 | 199,937 | 3/4 | 184,708 | 3/4 | 169,476 | 3/4 | 154,244 | 3/4 | 139,012 | 3/4 | 123,781 | 3/4 | 108,548 | 3/4 | 93,311  |
| 7   |       | 7   | 214,769 | 7   | 199,621 | 7   | 184,390 | 7   | 169,159 | 7   | 153,927 | 7   | 138,695 | 7   | 123,463 | 7   | 108,231 | 7   | 92,993  |
| 1/4 |       | 1/4 | 214,456 | 1/4 | 199,305 | 1/4 | 184,073 | 1/4 | 168,841 | 1/4 | 153,610 | 1/4 | 138,378 | 1/4 | 123,146 | 1/4 | 107,913 | 1/4 | 92,676  |
| 1/2 |       | 1/2 | 214,142 | 1/2 | 198,988 | 1/2 | 183,756 | 1/2 | 168,524 | 1/2 | 153,292 | 1/2 | 138,060 | 1/2 | 122,829 | 1/2 | 107,596 | 1/2 | 92,358  |
| 3/4 |       | 3/4 | 213,829 | 3/4 | 198,670 | 3/4 | 183,439 | 3/4 | 168,207 | 3/4 | 152,975 | 3/4 | 137,743 | 3/4 | 122,511 | 3/4 | 107,278 | 3/4 | 92,041  |
| 8   |       | 8   | 213,516 | 8   | 198,353 | 8   | 183,121 | 8   | 167,889 | 8   | 152,658 | 8   | 137,426 | 8   | 122,194 | 8   | 106,961 | 8   | 91,724  |
| 1/4 |       | 1/4 | 213,203 | 1/4 | 198,036 | 1/4 | 182,804 | 1/4 | 167,572 | 1/4 | 152,340 | 1/4 | 137,108 | 1/4 | 121,877 | 1/4 | 106,643 | 1/4 | 91,406  |
| 1/2 |       | 1/2 | 212,890 | 1/2 | 197,718 | 1/2 | 182,487 | 1/2 | 167,255 | 1/2 | 152,023 | 1/2 | 136,791 | 1/2 | 121,559 | 1/2 | 106,326 | 1/2 | 91,089  |
| 3/4 |       | 3/4 | 212,576 | 3/4 | 197,401 | 3/4 | 182,169 | 3/4 | 166,937 | 3/4 | 151,706 | 3/4 | 136,474 | 3/4 | 121,242 | 3/4 | 106,009 | 3/4 | 90,771  |
| 9   |       | 9   | 212,263 | 9   | 197,084 | 9   | 181,852 | 9   | 166,620 | 9   | 151,388 | 9   | 136,156 | 9   | 120,925 | 9   | 105,691 | 9   | 90,454  |
| 1/4 |       | 1/4 | 211,950 | 1/4 | 196,766 | 1/4 | 181,535 | 1/4 | 166,303 | 1/4 | 151,071 | 1/4 | 135,839 | 1/4 | 120,607 | 1/4 | 105,374 | 1/4 | 90,136  |
| 1/2 |       | 1/2 | 211,634 | 1/2 | 196,449 | 1/2 | 181,217 | 1/2 | 165,985 | 1/2 | 150,754 | 1/2 | 135,522 | 1/2 | 120,290 | 1/2 | 105,056 | 1/2 | 89,819  |
| 3/4 |       | 3/4 | 211,318 | 3/4 | 196,132 | 3/4 | 180,900 | 3/4 | 165,668 | 3/4 | 150,436 | 3/4 | 135,204 | 3/4 | 119,973 | 3/4 | 104,739 | 3/4 | 89,501  |
| 10  |       | 10  | 211,001 | 10  | 195,814 | 10  | 180,583 | 10  | 165,351 | 10  | 150,119 | 10  | 134,887 | 10  | 119,655 | 10  | 104,421 | 10  | 89,184  |
| 1/4 |       | 1/4 | 210,685 | 1/4 | 195,497 | 1/4 | 180,265 | 1/4 | 165,033 | 1/4 | 149,802 | 1/4 | 134,570 | 1/4 | 119,338 | 1/4 | 104,104 | 1/4 | 88,867  |
| 1/2 |       | 1/2 | 210,369 | 1/2 | 195,180 | 1/2 | 179,948 | 1/2 | 164,716 | 1/2 | 149,484 | 1/2 | 134,253 | 1/2 | 119,021 | 1/2 | 103,786 | 1/2 | 88,549  |
| 3/4 |       | 3/4 | 210,053 | 3/4 | 194,862 | 3/4 | 179,631 | 3/4 | 164,399 | 3/4 | 149,167 | 3/4 | 133,935 | 3/4 | 118,703 | 3/4 | 103,469 | 3/4 | 88,232  |
| 11  |       | 11  | 209,737 | 11  | 194,545 | 11  | 179,313 | 11  | 164,081 | 11  | 148,850 | 11  | 133,618 | 11  | 118,386 | 11  | 103,152 | 11  | 87,914  |
| 1/4 |       | 1/4 | 209,420 | 1/4 | 194,228 | 1/4 | 178,996 | 1/4 | 163,764 | 1/4 | 148,532 | 1/4 | 133,301 | 1/4 | 118,069 | 1/4 | 102,834 | 1/4 | 87,597  |
| 1/2 |       | 1/2 | 209,104 | 1/2 | 193,910 | 1/2 | 178,679 | 1/2 | 163,447 | 1/2 | 148,215 | 1/2 | 132,983 | 1/2 | 117,751 | 1/2 | 102,517 | 1/2 | 87,279  |
| 3/4 |       | 3/4 | 208,788 | 3/4 | 193,593 | 3/4 | 178,361 | 3/4 | 163,129 | 3/4 | 147,898 | 3/4 | 132,666 | 3/4 | 117,434 | 3/4 | 102,199 | 3/4 | 86,962  |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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# BARGE "CBC 386"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

| IN  | 10 FT. | IN  | 11 FT. | IN  | 12 FT. | IN  | 13 FT. | IN  | 14 FT. | IN  | 15 FT. | IN  | 16 FT. | IN  | 17 FT. | IN  | 18 FT. | IN  | 19 FT. |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0   | 86,644 | 0   | 71,407 | 0   | 56,170 | 0   | 40,950 | 0   | 25,716 | 0   | 10,479 | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 86,327 | 1/4 | 71,090 | 1/4 | 55,852 | 1/4 | 40,633 | 1/4 | 25,399 | 1/4 | 10,162 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 86,010 | 1/2 | 70,772 | 1/2 | 55,535 | 1/2 | 40,316 | 1/2 | 25,081 | 1/2 | 9,844  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 85,692 | 3/4 | 70,455 | 3/4 | 55,217 | 3/4 | 40,000 | 3/4 | 24,764 | 3/4 | 9,527  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 85,375 | 1   | 70,137 | 1   | 54,900 | 1   | 39,683 | 1   | 24,446 | 1   | 9,209  | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 85,057 | 1/4 | 69,820 | 1/4 | 54,582 | 1/4 | 39,366 | 1/4 | 24,129 | 1/4 | 8,892  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 84,740 | 1/2 | 69,502 | 1/2 | 54,265 | 1/2 | 39,048 | 1/2 | 23,811 | 1/2 | 8,575  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 84,422 | 3/4 | 69,185 | 3/4 | 53,947 | 3/4 | 38,731 | 3/4 | 23,494 | 3/4 | 8,257  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 84,105 | 2   | 68,867 | 2   | 53,630 | 2   | 38,413 | 2   | 23,177 | 2   | 7,940  | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 83,787 | 1/4 | 68,550 | 1/4 | 53,313 | 1/4 | 38,096 | 1/4 | 22,859 | 1/4 | 7,622  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 83,470 | 1/2 | 68,233 | 1/2 | 52,995 | 1/2 | 37,778 | 1/2 | 22,542 | 1/2 | 7,305  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 83,153 | 3/4 | 67,915 | 3/4 | 52,678 | 3/4 | 37,461 | 3/4 | 22,224 | 3/4 | 6,988  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 82,835 | 3   | 67,598 | 3   | 52,360 | 3   | 37,144 | 3   | 21,907 | 3   | 6,670  | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 82,518 | 1/4 | 67,280 | 1/4 | 52,043 | 1/4 | 36,826 | 1/4 | 21,589 | 1/4 | 6,353  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 82,200 | 1/2 | 66,963 | 1/2 | 51,726 | 1/2 | 36,509 | 1/2 | 21,272 | 1/2 | 6,036  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 81,883 | 3/4 | 66,645 | 3/4 | 51,409 | 3/4 | 36,191 | 3/4 | 20,955 | 3/4 | 5,719  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 81,565 | 4   | 66,328 | 4   | 51,092 | 4   | 35,874 | 4   | 20,637 | 4   | 5,402  | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 81,248 | 1/4 | 66,010 | 1/4 | 50,775 | 1/4 | 35,556 | 1/4 | 20,320 | 1/4 | 5,085  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 80,930 | 1/2 | 65,693 | 1/2 | 50,458 | 1/2 | 35,239 | 1/2 | 20,002 | 1/2 | 4,769  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 80,613 | 3/4 | 65,376 | 3/4 | 50,141 | 3/4 | 34,922 | 3/4 | 19,685 | 3/4 | 4,453  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 80,295 | 5   | 65,058 | 5   | 49,824 | 5   | 34,604 | 5   | 19,367 | 5   | 4,137  | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 79,978 | 1/4 | 64,741 | 1/4 | 49,507 | 1/4 | 34,287 | 1/4 | 19,050 | 1/4 | 3,821  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 79,661 | 1/2 | 64,423 | 1/2 | 49,190 | 1/2 | 33,969 | 1/2 | 18,732 | 1/2 | 3,530  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 79,343 | 3/4 | 64,106 | 3/4 | 48,874 | 3/4 | 33,652 | 3/4 | 18,415 | 3/4 | 3,239  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 79,026 | 6   | 63,788 | 6   | 48,557 | 6   | 33,334 | 6   | 18,098 | 6   | 2,948  | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 78,708 | 1/4 | 63,471 | 1/4 | 48,240 | 1/4 | 33,017 | 1/4 | 17,780 | 1/4 | 2,658  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 78,391 | 1/2 | 63,153 | 1/2 | 47,923 | 1/2 | 32,700 | 1/2 | 17,463 | 1/2 | 2,419  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 78,073 | 3/4 | 62,836 | 3/4 | 47,606 | 3/4 | 32,382 | 3/4 | 17,145 | 3/4 | 2,181  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 77,756 | 7   | 62,519 | 7   | 47,289 | 7   | 32,065 | 7   | 16,828 | 7   | 1,943  | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 77,438 | 1/4 | 62,201 | 1/4 | 46,972 | 1/4 | 31,747 | 1/4 | 16,510 | 1/4 | 1,705  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 77,121 | 1/2 | 61,884 | 1/2 | 46,655 | 1/2 | 31,430 | 1/2 | 16,193 | 1/2 | 1,520  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 76,804 | 3/4 | 61,566 | 3/4 | 46,338 | 3/4 | 31,112 | 3/4 | 15,876 | 3/4 | 1,335  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 76,486 | 8   | 61,249 | 8   | 46,021 | 8   | 30,795 | 8   | 15,558 | 8   | 1,150  | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 76,169 | 1/4 | 60,931 | 1/4 | 45,704 | 1/4 | 30,478 | 1/4 | 15,241 | 1/4 | 965    | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 75,851 | 1/2 | 60,614 | 1/2 | 45,387 | 1/2 | 30,160 | 1/2 | 14,923 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 75,534 | 3/4 | 60,296 | 3/4 | 45,070 | 3/4 | 29,843 | 3/4 | 14,606 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 75,216 | 9   | 59,979 | 9   | 44,753 | 9   | 29,525 | 9   | 14,288 | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 74,899 | 1/4 | 59,662 | 1/4 | 44,437 | 1/4 | 29,208 | 1/4 | 13,971 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 74,581 | 1/2 | 59,344 | 1/2 | 44,120 | 1/2 | 28,890 | 1/2 | 13,654 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 74,264 | 3/4 | 59,027 | 3/4 | 43,803 | 3/4 | 28,573 | 3/4 | 13,336 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 73,947 | 10  | 58,709 | 10  | 43,486 | 10  | 28,255 | 10  | 13,019 | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 73,629 | 1/4 | 58,392 | 1/4 | 43,169 | 1/4 | 27,938 | 1/4 | 12,701 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 73,312 | 1/2 | 58,074 | 1/2 | 42,852 | 1/2 | 27,621 | 1/2 | 12,384 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 72,994 | 3/4 | 57,757 | 3/4 | 42,535 | 3/4 | 27,303 | 3/4 | 12,066 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 72,677 | 11  | 57,439 | 11  | 42,218 | 11  | 26,986 | 11  | 11,749 | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 72,359 | 1/4 | 57,122 | 1/4 | 41,901 | 1/4 | 26,668 | 1/4 | 11,432 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 72,042 | 1/2 | 56,805 | 1/2 | 41,584 | 1/2 | 26,351 | 1/2 | 11,114 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 71,724 | 3/4 | 56,487 | 3/4 | 41,267 | 3/4 | 26,033 | 3/4 | 10,797 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/18/2013 CL  
CALCULATED: 09/18/2013 CL  
PRINTED: 09/18/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2013

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



# BARGE "CBC 386"

1 STBD

## ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

| IN  | 0 FT. | IN  | 1 FT.   | IN  | 2 FT.   | IN  | 3 FT.   | IN  | 4 FT.   | IN  | 5 FT.   | IN  | 6 FT.   | IN  | 7 FT.   | IN  | 8 FT.   | IN  | 9 FT.   |
|-----|-------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|
| 0   |       | 0   |         | 0   | 208,292 | 0   | 193,103 | 0   | 177,879 | 0   | 162,654 | 0   | 147,430 | 0   | 132,205 | 0   | 116,981 | 0   | 101,753 |
| 1/4 |       | 1/4 | 222,083 | 1/4 | 207,976 | 1/4 | 192,786 | 1/4 | 177,562 | 1/4 | 162,337 | 1/4 | 147,113 | 1/4 | 131,888 | 1/4 | 116,664 | 1/4 | 101,436 |
| 1/2 |       | 1/2 | 221,901 | 1/2 | 207,660 | 1/2 | 192,469 | 1/2 | 177,244 | 1/2 | 162,020 | 1/2 | 146,796 | 1/2 | 131,571 | 1/2 | 116,347 | 1/2 | 101,119 |
| 3/4 |       | 3/4 | 221,718 | 3/4 | 207,344 | 3/4 | 192,152 | 3/4 | 176,927 | 3/4 | 161,703 | 3/4 | 146,478 | 3/4 | 131,254 | 3/4 | 116,029 | 3/4 | 100,801 |
| 1   |       | 1   | 221,536 | 1   | 207,028 | 1   | 191,835 | 1   | 176,610 | 1   | 161,386 | 1   | 146,161 | 1   | 130,937 | 1   | 115,712 | 1   | 100,484 |
| 1/4 |       | 1/4 | 221,354 | 1/4 | 206,713 | 1/4 | 191,517 | 1/4 | 176,293 | 1/4 | 161,068 | 1/4 | 145,844 | 1/4 | 130,619 | 1/4 | 115,395 | 1/4 | 100,167 |
| 1/2 |       | 1/2 | 221,121 | 1/2 | 206,397 | 1/2 | 191,200 | 1/2 | 175,976 | 1/2 | 160,751 | 1/2 | 145,527 | 1/2 | 130,302 | 1/2 | 115,078 | 1/2 | 99,849  |
| 3/4 |       | 3/4 | 220,887 | 3/4 | 206,081 | 3/4 | 190,883 | 3/4 | 175,659 | 3/4 | 160,434 | 3/4 | 145,210 | 3/4 | 129,985 | 3/4 | 114,761 | 3/4 | 99,532  |
| 2   |       | 2   | 220,653 | 2   | 205,765 | 2   | 190,566 | 2   | 175,341 | 2   | 160,117 | 2   | 144,892 | 2   | 129,668 | 2   | 114,443 | 2   | 99,215  |
| 1/4 |       | 1/4 | 220,420 | 1/4 | 205,449 | 1/4 | 190,249 | 1/4 | 175,024 | 1/4 | 159,800 | 1/4 | 144,575 | 1/4 | 129,351 | 1/4 | 114,126 | 1/4 | 98,898  |
| 1/2 |       | 1/2 | 220,133 | 1/2 | 205,133 | 1/2 | 189,932 | 1/2 | 174,707 | 1/2 | 159,483 | 1/2 | 144,258 | 1/2 | 129,034 | 1/2 | 113,809 | 1/2 | 98,580  |
| 3/4 |       | 3/4 | 219,847 | 3/4 | 204,817 | 3/4 | 189,614 | 3/4 | 174,390 | 3/4 | 159,165 | 3/4 | 143,941 | 3/4 | 128,716 | 3/4 | 113,492 | 3/4 | 98,263  |
| 3   |       | 3   | 219,560 | 3   | 204,501 | 3   | 189,297 | 3   | 174,073 | 3   | 158,848 | 3   | 143,624 | 3   | 128,399 | 3   | 113,175 | 3   | 97,946  |
| 1/4 |       | 1/4 | 219,274 | 1/4 | 204,185 | 1/4 | 188,980 | 1/4 | 173,756 | 1/4 | 158,531 | 1/4 | 143,307 | 1/4 | 128,082 | 1/4 | 112,858 | 1/4 | 97,628  |
| 1/2 |       | 1/2 | 218,962 | 1/2 | 203,869 | 1/2 | 188,663 | 1/2 | 173,438 | 1/2 | 158,214 | 1/2 | 142,989 | 1/2 | 127,765 | 1/2 | 112,540 | 1/2 | 97,311  |
| 3/4 |       | 3/4 | 218,651 | 3/4 | 203,553 | 3/4 | 188,346 | 3/4 | 173,121 | 3/4 | 157,897 | 3/4 | 142,672 | 3/4 | 127,448 | 3/4 | 112,223 | 3/4 | 96,994  |
| 4   |       | 4   | 218,339 | 4   | 203,237 | 4   | 188,028 | 4   | 172,804 | 4   | 157,580 | 4   | 142,355 | 4   | 127,131 | 4   | 111,906 | 4   | 96,677  |
| 1/4 |       | 1/4 | 218,027 | 1/4 | 202,921 | 1/4 | 187,711 | 1/4 | 172,487 | 1/4 | 157,262 | 1/4 | 142,038 | 1/4 | 126,813 | 1/4 | 111,589 | 1/4 | 96,359  |
| 1/2 |       | 1/2 | 217,715 | 1/2 | 202,605 | 1/2 | 187,394 | 1/2 | 172,170 | 1/2 | 156,945 | 1/2 | 141,721 | 1/2 | 126,496 | 1/2 | 111,272 | 1/2 | 96,042  |
| 3/4 |       | 3/4 | 217,402 | 3/4 | 202,289 | 3/4 | 187,077 | 3/4 | 171,852 | 3/4 | 156,628 | 3/4 | 141,403 | 3/4 | 126,179 | 3/4 | 110,955 | 3/4 | 95,725  |
| 5   |       | 5   | 217,090 | 5   | 201,973 | 5   | 186,760 | 5   | 171,535 | 5   | 156,311 | 5   | 141,086 | 5   | 125,862 | 5   | 110,637 | 5   | 95,407  |
| 1/4 |       | 1/4 | 216,777 | 1/4 | 201,657 | 1/4 | 186,443 | 1/4 | 171,218 | 1/4 | 155,994 | 1/4 | 140,769 | 1/4 | 125,545 | 1/4 | 110,320 | 1/4 | 95,090  |
| 1/2 |       | 1/2 | 216,464 | 1/2 | 201,341 | 1/2 | 186,125 | 1/2 | 170,901 | 1/2 | 155,676 | 1/2 | 140,452 | 1/2 | 125,227 | 1/2 | 110,003 | 1/2 | 94,773  |
| 3/4 |       | 3/4 | 216,151 | 3/4 | 201,025 | 3/4 | 185,808 | 3/4 | 170,584 | 3/4 | 155,359 | 3/4 | 140,135 | 3/4 | 124,910 | 3/4 | 109,686 | 3/4 | 94,455  |
| 6   |       | 6   | 215,838 | 6   | 200,709 | 6   | 185,491 | 6   | 170,267 | 6   | 155,042 | 6   | 139,818 | 6   | 124,593 | 6   | 109,368 | 6   | 94,138  |
| 1/4 |       | 1/4 | 215,525 | 1/4 | 200,393 | 1/4 | 185,174 | 1/4 | 169,949 | 1/4 | 154,725 | 1/4 | 139,500 | 1/4 | 124,276 | 1/4 | 109,051 | 1/4 | 93,821  |
| 1/2 |       | 1/2 | 215,212 | 1/2 | 200,078 | 1/2 | 184,857 | 1/2 | 169,632 | 1/2 | 154,408 | 1/2 | 139,183 | 1/2 | 123,959 | 1/2 | 108,734 | 1/2 | 93,504  |
| 3/4 |       | 3/4 | 214,899 | 3/4 | 199,762 | 3/4 | 184,540 | 3/4 | 169,315 | 3/4 | 154,091 | 3/4 | 138,866 | 3/4 | 123,642 | 3/4 | 108,416 | 3/4 | 93,186  |
| 7   |       | 7   | 214,586 | 7   | 199,446 | 7   | 184,222 | 7   | 168,998 | 7   | 153,773 | 7   | 138,549 | 7   | 123,324 | 7   | 108,099 | 7   | 92,869  |
| 1/4 |       | 1/4 | 214,273 | 1/4 | 199,130 | 1/4 | 183,905 | 1/4 | 168,681 | 1/4 | 153,456 | 1/4 | 138,232 | 1/4 | 123,007 | 1/4 | 107,782 | 1/4 | 92,552  |
| 1/2 |       | 1/2 | 213,960 | 1/2 | 198,812 | 1/2 | 183,588 | 1/2 | 168,364 | 1/2 | 153,139 | 1/2 | 137,915 | 1/2 | 122,690 | 1/2 | 107,465 | 1/2 | 92,234  |
| 3/4 |       | 3/4 | 213,647 | 3/4 | 198,495 | 3/4 | 183,271 | 3/4 | 168,046 | 3/4 | 152,822 | 3/4 | 137,597 | 3/4 | 122,373 | 3/4 | 107,147 | 3/4 | 91,917  |
| 8   |       | 8   | 213,334 | 8   | 198,178 | 8   | 182,954 | 8   | 167,729 | 8   | 152,505 | 8   | 137,280 | 8   | 122,056 | 8   | 106,830 | 8   | 91,600  |
| 1/4 |       | 1/4 | 213,021 | 1/4 | 197,861 | 1/4 | 182,636 | 1/4 | 167,412 | 1/4 | 152,188 | 1/4 | 136,963 | 1/4 | 121,739 | 1/4 | 106,513 | 1/4 | 91,283  |
| 1/2 |       | 1/2 | 212,708 | 1/2 | 197,544 | 1/2 | 182,319 | 1/2 | 167,095 | 1/2 | 151,870 | 1/2 | 136,646 | 1/2 | 121,421 | 1/2 | 106,195 | 1/2 | 90,965  |
| 3/4 |       | 3/4 | 212,395 | 3/4 | 197,227 | 3/4 | 182,002 | 3/4 | 166,778 | 3/4 | 151,553 | 3/4 | 136,329 | 3/4 | 121,104 | 3/4 | 105,878 | 3/4 | 90,648  |
| 9   |       | 9   | 212,082 | 9   | 196,909 | 9   | 181,685 | 9   | 166,460 | 9   | 151,236 | 9   | 136,011 | 9   | 120,787 | 9   | 105,561 | 9   | 90,331  |
| 1/4 |       | 1/4 | 211,769 | 1/4 | 196,592 | 1/4 | 181,368 | 1/4 | 166,143 | 1/4 | 150,919 | 1/4 | 135,694 | 1/4 | 120,470 | 1/4 | 105,243 | 1/4 | 90,013  |
| 1/2 |       | 1/2 | 211,453 | 1/2 | 196,275 | 1/2 | 181,051 | 1/2 | 165,826 | 1/2 | 150,602 | 1/2 | 135,377 | 1/2 | 120,153 | 1/2 | 104,926 | 1/2 | 89,696  |
| 3/4 |       | 3/4 | 211,136 | 3/4 | 195,958 | 3/4 | 180,733 | 3/4 | 165,509 | 3/4 | 150,284 | 3/4 | 135,060 | 3/4 | 119,835 | 3/4 | 104,609 | 3/4 | 89,379  |
| 10  |       | 10  | 210,820 | 10  | 195,641 | 10  | 180,416 | 10  | 165,192 | 10  | 149,967 | 10  | 134,743 | 10  | 119,518 | 10  | 104,292 | 10  | 89,062  |
| 1/4 |       | 1/4 | 210,504 | 1/4 | 195,324 | 1/4 | 180,099 | 1/4 | 164,875 | 1/4 | 149,650 | 1/4 | 134,426 | 1/4 | 119,201 | 1/4 | 103,974 | 1/4 | 88,744  |
| 1/2 |       | 1/2 | 210,188 | 1/2 | 195,006 | 1/2 | 179,782 | 1/2 | 164,557 | 1/2 | 149,333 | 1/2 | 134,108 | 1/2 | 118,884 | 1/2 | 103,657 | 1/2 | 88,427  |
| 3/4 |       | 3/4 | 209,872 | 3/4 | 194,689 | 3/4 | 179,465 | 3/4 | 164,240 | 3/4 | 149,016 | 3/4 | 133,791 | 3/4 | 118,567 | 3/4 | 103,340 | 3/4 | 88,110  |
| 11  |       | 11  | 209,556 | 11  | 194,372 | 11  | 179,148 | 11  | 163,923 | 11  | 148,699 | 11  | 133,474 | 11  | 118,250 | 11  | 103,022 | 11  | 87,792  |
| 1/4 |       | 1/4 | 209,240 | 1/4 | 194,055 | 1/4 | 178,830 | 1/4 | 163,606 | 1/4 | 148,381 | 1/4 | 133,157 | 1/4 | 117,932 | 1/4 | 102,705 | 1/4 | 87,475  |
| 1/2 |       | 1/2 | 208,924 | 1/2 | 193,738 | 1/2 | 178,513 | 1/2 | 163,289 | 1/2 | 148,064 | 1/2 | 132,840 | 1/2 | 117,615 | 1/2 | 102,388 | 1/2 | 87,158  |
| 3/4 |       | 3/4 | 208,608 | 3/4 | 193,420 | 3/4 | 178,196 | 3/4 | 162,972 | 3/4 | 147,747 | 3/4 | 132,523 | 3/4 | 117,298 | 3/4 | 102,071 | 3/4 | 86,840  |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 386"

1 STBD  
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

| IN  | 10 FT. | IN  | 11 FT. | IN  | 12 FT. | IN  | 13 FT. | IN  | 14 FT. | IN  | 15 FT. | IN  | 16 FT. | IN  | 17 FT. | IN  | 18 FT. | IN  | 19 FT. |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0   | 86,523 | 0   | 71,293 | 0   | 56,063 | 0   | 40,916 | 0   | 25,704 | 0   | 10,474 | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 86,206 | 1/4 | 70,976 | 1/4 | 55,746 | 1/4 | 40,601 | 1/4 | 25,386 | 1/4 | 10,157 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 85,889 | 1/2 | 70,658 | 1/2 | 55,428 | 1/2 | 40,285 | 1/2 | 25,069 | 1/2 | 9,840  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 85,571 | 3/4 | 70,341 | 3/4 | 55,111 | 3/4 | 39,970 | 3/4 | 24,752 | 3/4 | 9,522  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 85,254 | 1   | 70,024 | 1   | 54,794 | 1   | 39,655 | 1   | 24,435 | 1   | 9,205  | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 84,937 | 1/4 | 69,707 | 1/4 | 54,477 | 1/4 | 39,340 | 1/4 | 24,117 | 1/4 | 8,888  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 84,619 | 1/2 | 69,389 | 1/2 | 54,159 | 1/2 | 39,025 | 1/2 | 23,800 | 1/2 | 8,571  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 84,302 | 3/4 | 69,072 | 3/4 | 53,842 | 3/4 | 38,709 | 3/4 | 23,483 | 3/4 | 8,253  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 83,985 | 2   | 68,755 | 2   | 53,525 | 2   | 38,393 | 2   | 23,165 | 2   | 7,936  | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 83,668 | 1/4 | 68,437 | 1/4 | 53,207 | 1/4 | 38,078 | 1/4 | 22,848 | 1/4 | 7,619  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 83,350 | 1/2 | 68,120 | 1/2 | 52,892 | 1/2 | 37,760 | 1/2 | 22,531 | 1/2 | 7,301  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 83,033 | 3/4 | 67,803 | 3/4 | 52,576 | 3/4 | 37,443 | 3/4 | 22,214 | 3/4 | 6,984  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 82,716 | 3   | 67,486 | 3   | 52,260 | 3   | 37,126 | 3   | 21,896 | 3   | 6,667  | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 82,398 | 1/4 | 67,168 | 1/4 | 51,945 | 1/4 | 36,809 | 1/4 | 21,579 | 1/4 | 6,350  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 82,081 | 1/2 | 66,851 | 1/2 | 51,630 | 1/2 | 36,491 | 1/2 | 21,262 | 1/2 | 6,033  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 81,764 | 3/4 | 66,534 | 3/4 | 51,315 | 3/4 | 36,174 | 3/4 | 20,944 | 3/4 | 5,716  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 81,446 | 4   | 66,216 | 4   | 50,999 | 4   | 35,857 | 4   | 20,627 | 4   | 5,399  | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 81,129 | 1/4 | 65,899 | 1/4 | 50,684 | 1/4 | 35,539 | 1/4 | 20,310 | 1/4 | 5,082  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 80,812 | 1/2 | 65,582 | 1/2 | 50,369 | 1/2 | 35,222 | 1/2 | 19,993 | 1/2 | 4,767  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 80,495 | 3/4 | 65,264 | 3/4 | 50,054 | 3/4 | 34,905 | 3/4 | 19,675 | 3/4 | 4,451  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 80,177 | 5   | 64,947 | 5   | 49,739 | 5   | 34,588 | 5   | 19,358 | 5   | 4,135  | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 79,860 | 1/4 | 64,630 | 1/4 | 49,424 | 1/4 | 34,270 | 1/4 | 19,041 | 1/4 | 3,819  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 79,543 | 1/2 | 64,313 | 1/2 | 49,109 | 1/2 | 33,953 | 1/2 | 18,724 | 1/2 | 3,529  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 79,225 | 3/4 | 63,995 | 3/4 | 48,794 | 3/4 | 33,636 | 3/4 | 18,406 | 3/4 | 3,238  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 78,908 | 6   | 63,678 | 6   | 48,479 | 6   | 33,318 | 6   | 18,089 | 6   | 2,947  | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 78,591 | 1/4 | 63,361 | 1/4 | 48,163 | 1/4 | 33,001 | 1/4 | 17,772 | 1/4 | 2,656  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 78,274 | 1/2 | 63,043 | 1/2 | 47,848 | 1/2 | 32,684 | 1/2 | 17,454 | 1/2 | 2,418  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 77,956 | 3/4 | 62,726 | 3/4 | 47,533 | 3/4 | 32,367 | 3/4 | 17,137 | 3/4 | 2,180  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 77,639 | 7   | 62,409 | 7   | 47,218 | 7   | 32,049 | 7   | 16,820 | 7   | 1,942  | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 77,322 | 1/4 | 62,092 | 1/4 | 46,903 | 1/4 | 31,732 | 1/4 | 16,503 | 1/4 | 1,705  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 77,004 | 1/2 | 61,774 | 1/2 | 46,588 | 1/2 | 31,415 | 1/2 | 16,185 | 1/2 | 1,520  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 76,687 | 3/4 | 61,457 | 3/4 | 46,273 | 3/4 | 31,097 | 3/4 | 15,868 | 3/4 | 1,334  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 76,370 | 8   | 61,140 | 8   | 45,958 | 8   | 30,780 | 8   | 15,551 | 8   | 1,149  | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 76,052 | 1/4 | 60,822 | 1/4 | 45,642 | 1/4 | 30,463 | 1/4 | 15,233 | 1/4 | 964    | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 75,735 | 1/2 | 60,505 | 1/2 | 45,327 | 1/2 | 30,146 | 1/2 | 14,916 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 75,418 | 3/4 | 60,188 | 3/4 | 45,012 | 3/4 | 29,828 | 3/4 | 14,599 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 75,101 | 9   | 59,871 | 9   | 44,697 | 9   | 29,511 | 9   | 14,282 | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 74,783 | 1/4 | 59,553 | 1/4 | 44,382 | 1/4 | 29,194 | 1/4 | 13,964 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 74,466 | 1/2 | 59,236 | 1/2 | 44,067 | 1/2 | 28,877 | 1/2 | 13,647 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 74,149 | 3/4 | 58,919 | 3/4 | 43,752 | 3/4 | 28,559 | 3/4 | 13,330 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 73,831 | 10  | 58,601 | 10  | 43,437 | 10  | 28,242 | 10  | 13,012 | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 73,514 | 1/4 | 58,284 | 1/4 | 43,122 | 1/4 | 27,925 | 1/4 | 12,695 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 73,197 | 1/2 | 57,967 | 1/2 | 42,806 | 1/2 | 27,607 | 1/2 | 12,378 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 72,880 | 3/4 | 57,649 | 3/4 | 42,491 | 3/4 | 27,290 | 3/4 | 12,061 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 72,562 | 11  | 57,332 | 11  | 42,176 | 11  | 26,973 | 11  | 11,743 | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 72,245 | 1/4 | 57,015 | 1/4 | 41,861 | 1/4 | 26,656 | 1/4 | 11,426 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 71,928 | 1/2 | 56,698 | 1/2 | 41,546 | 1/2 | 26,338 | 1/2 | 11,109 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 71,610 | 3/4 | 56,380 | 3/4 | 41,231 | 3/4 | 26,021 | 3/4 | 10,791 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/18/2013 CL  
CALCULATED: 09/18/2013 CL  
PRINTED: 09/18/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2013

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



# BARGE "CBC 386"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

| IN  | 0 FT. | IN  | 1 FT.   | IN  | 2 FT.   | IN  | 3 FT.   | IN  | 4 FT.   | IN  | 5 FT.   | IN  | 6 FT.   | IN  | 7 FT.   | IN  | 8 FT.   | IN  | 9 FT.   |
|-----|-------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|
| 0   |       | 0   |         | 0   | 207,622 | 0   | 192,488 | 0   | 177,318 | 0   | 162,149 | 0   | 146,979 | 0   | 131,809 | 0   | 116,639 | 0   | 101,467 |
| 1/4 |       | 1/4 | 221,363 | 1/4 | 207,308 | 1/4 | 192,172 | 1/4 | 177,002 | 1/4 | 161,833 | 1/4 | 146,663 | 1/4 | 131,493 | 1/4 | 116,323 | 1/4 | 101,150 |
| 1/2 |       | 1/2 | 221,181 | 1/2 | 206,993 | 1/2 | 191,856 | 1/2 | 176,686 | 1/2 | 161,517 | 1/2 | 146,347 | 1/2 | 131,177 | 1/2 | 116,007 | 1/2 | 100,834 |
| 3/4 |       | 3/4 | 221,000 | 3/4 | 206,678 | 3/4 | 191,540 | 3/4 | 176,370 | 3/4 | 161,201 | 3/4 | 146,031 | 3/4 | 130,861 | 3/4 | 115,691 | 3/4 | 100,518 |
| 1   |       | 1   | 220,819 | 1   | 206,363 | 1   | 191,224 | 1   | 176,054 | 1   | 160,885 | 1   | 145,715 | 1   | 130,545 | 1   | 115,375 | 1   | 100,202 |
| 1/4 |       | 1/4 | 220,637 | 1/4 | 206,048 | 1/4 | 190,908 | 1/4 | 175,738 | 1/4 | 160,568 | 1/4 | 145,399 | 1/4 | 130,229 | 1/4 | 115,059 | 1/4 | 99,886  |
| 1/2 |       | 1/2 | 220,404 | 1/2 | 205,733 | 1/2 | 190,592 | 1/2 | 175,422 | 1/2 | 160,252 | 1/2 | 145,083 | 1/2 | 129,913 | 1/2 | 114,743 | 1/2 | 99,570  |
| 3/4 |       | 3/4 | 220,172 | 3/4 | 205,419 | 3/4 | 190,276 | 3/4 | 175,106 | 3/4 | 159,936 | 3/4 | 144,767 | 3/4 | 129,597 | 3/4 | 114,427 | 3/4 | 99,254  |
| 2   |       | 2   | 219,939 | 2   | 205,104 | 2   | 189,960 | 2   | 174,790 | 2   | 159,620 | 2   | 144,451 | 2   | 129,281 | 2   | 114,111 | 2   | 98,937  |
| 1/4 |       | 1/4 | 219,706 | 1/4 | 204,789 | 1/4 | 189,644 | 1/4 | 174,474 | 1/4 | 159,304 | 1/4 | 144,135 | 1/4 | 128,965 | 1/4 | 113,795 | 1/4 | 98,621  |
| 1/2 |       | 1/2 | 219,420 | 1/2 | 204,474 | 1/2 | 189,328 | 1/2 | 174,158 | 1/2 | 158,988 | 1/2 | 143,819 | 1/2 | 128,649 | 1/2 | 113,479 | 1/2 | 98,305  |
| 3/4 |       | 3/4 | 219,135 | 3/4 | 204,159 | 3/4 | 189,012 | 3/4 | 173,842 | 3/4 | 158,672 | 3/4 | 143,503 | 3/4 | 128,333 | 3/4 | 113,163 | 3/4 | 97,989  |
| 3   |       | 3   | 218,849 | 3   | 203,845 | 3   | 188,696 | 3   | 173,526 | 3   | 158,356 | 3   | 143,187 | 3   | 128,017 | 3   | 112,847 | 3   | 97,673  |
| 1/4 |       | 1/4 | 218,564 | 1/4 | 203,530 | 1/4 | 188,380 | 1/4 | 173,210 | 1/4 | 158,040 | 1/4 | 142,870 | 1/4 | 127,701 | 1/4 | 112,531 | 1/4 | 97,357  |
| 1/2 |       | 1/2 | 218,254 | 1/2 | 203,215 | 1/2 | 188,064 | 1/2 | 172,894 | 1/2 | 157,724 | 1/2 | 142,554 | 1/2 | 127,385 | 1/2 | 112,215 | 1/2 | 97,041  |
| 3/4 |       | 3/4 | 217,943 | 3/4 | 202,900 | 3/4 | 187,748 | 3/4 | 172,578 | 3/4 | 157,408 | 3/4 | 142,238 | 3/4 | 127,069 | 3/4 | 111,899 | 3/4 | 96,724  |
| 4   |       | 4   | 217,633 | 4   | 202,585 | 4   | 187,432 | 4   | 172,262 | 4   | 157,092 | 4   | 141,922 | 4   | 126,753 | 4   | 111,583 | 4   | 96,408  |
| 1/4 |       | 1/4 | 217,322 | 1/4 | 202,271 | 1/4 | 187,115 | 1/4 | 171,946 | 1/4 | 156,776 | 1/4 | 141,606 | 1/4 | 126,437 | 1/4 | 111,267 | 1/4 | 96,092  |
| 1/2 |       | 1/2 | 217,011 | 1/2 | 201,956 | 1/2 | 186,799 | 1/2 | 171,630 | 1/2 | 156,460 | 1/2 | 141,290 | 1/2 | 126,121 | 1/2 | 110,951 | 1/2 | 95,776  |
| 3/4 |       | 3/4 | 216,699 | 3/4 | 201,641 | 3/4 | 186,483 | 3/4 | 171,314 | 3/4 | 156,144 | 3/4 | 140,974 | 3/4 | 125,805 | 3/4 | 110,635 | 3/4 | 95,460  |
| 5   |       | 5   | 216,388 | 5   | 201,326 | 5   | 186,167 | 5   | 170,998 | 5   | 155,828 | 5   | 140,658 | 5   | 125,488 | 5   | 110,319 | 5   | 95,144  |
| 1/4 |       | 1/4 | 216,076 | 1/4 | 201,011 | 1/4 | 185,851 | 1/4 | 170,682 | 1/4 | 155,512 | 1/4 | 140,342 | 1/4 | 125,172 | 1/4 | 110,003 | 1/4 | 94,827  |
| 1/2 |       | 1/2 | 215,765 | 1/2 | 200,696 | 1/2 | 185,535 | 1/2 | 170,366 | 1/2 | 155,196 | 1/2 | 140,026 | 1/2 | 124,856 | 1/2 | 109,687 | 1/2 | 94,511  |
| 3/4 |       | 3/4 | 215,453 | 3/4 | 200,382 | 3/4 | 185,219 | 3/4 | 170,050 | 3/4 | 154,880 | 3/4 | 139,710 | 3/4 | 124,540 | 3/4 | 109,370 | 3/4 | 94,195  |
| 6   |       | 6   | 215,141 | 6   | 200,067 | 6   | 184,903 | 6   | 169,734 | 6   | 154,564 | 6   | 139,394 | 6   | 124,224 | 6   | 109,054 | 6   | 93,879  |
| 1/4 |       | 1/4 | 214,829 | 1/4 | 199,752 | 1/4 | 184,587 | 1/4 | 169,417 | 1/4 | 154,248 | 1/4 | 139,078 | 1/4 | 123,908 | 1/4 | 108,738 | 1/4 | 93,563  |
| 1/2 |       | 1/2 | 214,517 | 1/2 | 199,437 | 1/2 | 184,271 | 1/2 | 169,101 | 1/2 | 153,932 | 1/2 | 138,762 | 1/2 | 123,592 | 1/2 | 108,422 | 1/2 | 93,247  |
| 3/4 |       | 3/4 | 214,205 | 3/4 | 199,122 | 3/4 | 183,955 | 3/4 | 168,785 | 3/4 | 153,616 | 3/4 | 138,446 | 3/4 | 123,276 | 3/4 | 108,106 | 3/4 | 92,931  |
| 7   |       | 7   | 213,893 | 7   | 198,808 | 7   | 183,639 | 7   | 168,469 | 7   | 153,300 | 7   | 138,130 | 7   | 122,960 | 7   | 107,790 | 7   | 92,614  |
| 1/4 |       | 1/4 | 213,581 | 1/4 | 198,493 | 1/4 | 183,323 | 1/4 | 168,153 | 1/4 | 152,984 | 1/4 | 137,814 | 1/4 | 122,644 | 1/4 | 107,474 | 1/4 | 92,298  |
| 1/2 |       | 1/2 | 213,269 | 1/2 | 198,177 | 1/2 | 183,007 | 1/2 | 167,837 | 1/2 | 152,668 | 1/2 | 137,498 | 1/2 | 122,328 | 1/2 | 107,157 | 1/2 | 91,982  |
| 3/4 |       | 3/4 | 212,958 | 3/4 | 197,861 | 3/4 | 182,691 | 3/4 | 167,521 | 3/4 | 152,352 | 3/4 | 137,182 | 3/4 | 122,012 | 3/4 | 106,841 | 3/4 | 91,666  |
| 8   |       | 8   | 212,646 | 8   | 197,545 | 8   | 182,375 | 8   | 167,205 | 8   | 152,036 | 8   | 136,866 | 8   | 121,696 | 8   | 106,525 | 8   | 91,350  |
| 1/4 |       | 1/4 | 212,334 | 1/4 | 197,229 | 1/4 | 182,059 | 1/4 | 166,889 | 1/4 | 151,719 | 1/4 | 136,550 | 1/4 | 121,380 | 1/4 | 106,209 | 1/4 | 91,034  |
| 1/2 |       | 1/2 | 212,022 | 1/2 | 196,913 | 1/2 | 181,743 | 1/2 | 166,573 | 1/2 | 151,403 | 1/2 | 136,234 | 1/2 | 121,064 | 1/2 | 105,893 | 1/2 | 90,717  |
| 3/4 |       | 3/4 | 211,710 | 3/4 | 196,597 | 3/4 | 181,427 | 3/4 | 166,257 | 3/4 | 151,087 | 3/4 | 135,918 | 3/4 | 120,748 | 3/4 | 105,577 | 3/4 | 90,401  |
| 9   |       | 9   | 211,398 | 9   | 196,281 | 9   | 181,111 | 9   | 165,941 | 9   | 150,771 | 9   | 135,602 | 9   | 120,432 | 9   | 105,260 | 9   | 90,085  |
| 1/4 |       | 1/4 | 211,086 | 1/4 | 195,964 | 1/4 | 180,795 | 1/4 | 165,625 | 1/4 | 150,455 | 1/4 | 135,286 | 1/4 | 120,116 | 1/4 | 104,944 | 1/4 | 89,769  |
| 1/2 |       | 1/2 | 210,771 | 1/2 | 195,648 | 1/2 | 180,479 | 1/2 | 165,309 | 1/2 | 150,139 | 1/2 | 134,970 | 1/2 | 119,800 | 1/2 | 104,628 | 1/2 | 89,453  |
| 3/4 |       | 3/4 | 210,456 | 3/4 | 195,332 | 3/4 | 180,163 | 3/4 | 164,993 | 3/4 | 149,823 | 3/4 | 134,654 | 3/4 | 119,484 | 3/4 | 104,312 | 3/4 | 89,137  |
| 10  |       | 10  | 210,141 | 10  | 195,016 | 10  | 179,847 | 10  | 164,677 | 10  | 149,507 | 10  | 134,337 | 10  | 119,168 | 10  | 103,996 | 10  | 88,821  |
| 1/4 |       | 1/4 | 209,826 | 1/4 | 194,700 | 1/4 | 179,531 | 1/4 | 164,361 | 1/4 | 149,191 | 1/4 | 134,021 | 1/4 | 118,852 | 1/4 | 103,680 | 1/4 | 88,504  |
| 1/2 |       | 1/2 | 209,512 | 1/2 | 194,384 | 1/2 | 179,215 | 1/2 | 164,045 | 1/2 | 148,875 | 1/2 | 133,705 | 1/2 | 118,536 | 1/2 | 103,364 | 1/2 | 88,188  |
| 3/4 |       | 3/4 | 209,197 | 3/4 | 194,068 | 3/4 | 178,899 | 3/4 | 163,729 | 3/4 | 148,559 | 3/4 | 133,389 | 3/4 | 118,220 | 3/4 | 103,047 | 3/4 | 87,872  |
| 11  |       | 11  | 208,882 | 11  | 193,752 | 11  | 178,583 | 11  | 163,413 | 11  | 148,243 | 11  | 133,073 | 11  | 117,904 | 11  | 102,731 | 11  | 87,556  |
| 1/4 |       | 1/4 | 208,567 | 1/4 | 193,436 | 1/4 | 178,266 | 1/4 | 163,097 | 1/4 | 147,927 | 1/4 | 132,757 | 1/4 | 117,588 | 1/4 | 102,415 | 1/4 | 87,240  |
| 1/2 |       | 1/2 | 208,252 | 1/2 | 193,120 | 1/2 | 177,950 | 1/2 | 162,781 | 1/2 | 147,611 | 1/2 | 132,441 | 1/2 | 117,272 | 1/2 | 102,099 | 1/2 | 86,924  |
| 3/4 |       | 3/4 | 207,937 | 3/4 | 192,804 | 3/4 | 177,634 | 3/4 | 162,465 | 3/4 | 147,295 | 3/4 | 132,125 | 3/4 | 116,956 | 3/4 | 101,783 | 3/4 | 86,607  |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 386"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

| IN  | 10 FT. | IN  | 11 FT. | IN  | 12 FT. | IN  | 13 FT. | IN  | 14 FT. | IN  | 15 FT. | IN  | 16 FT. | IN  | 17 FT. | IN  | 18 FT. | IN  | 19 FT. |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0   | 86,291 | 0   | 71,116 | 0   | 55,941 | 0   | 40,783 | 0   | 25,611 | 0   | 10,437 | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 85,975 | 1/4 | 70,800 | 1/4 | 55,625 | 1/4 | 40,468 | 1/4 | 25,295 | 1/4 | 10,120 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 85,659 | 1/2 | 70,484 | 1/2 | 55,308 | 1/2 | 40,152 | 1/2 | 24,979 | 1/2 | 9,804  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 85,343 | 3/4 | 70,168 | 3/4 | 54,992 | 3/4 | 39,837 | 3/4 | 24,663 | 3/4 | 9,488  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 85,027 | 1   | 69,851 | 1   | 54,676 | 1   | 39,521 | 1   | 24,347 | 1   | 9,172  | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 84,711 | 1/4 | 69,535 | 1/4 | 54,360 | 1/4 | 39,205 | 1/4 | 24,031 | 1/4 | 8,856  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 84,394 | 1/2 | 69,219 | 1/2 | 54,044 | 1/2 | 38,889 | 1/2 | 23,714 | 1/2 | 8,540  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 84,078 | 3/4 | 68,903 | 3/4 | 53,728 | 3/4 | 38,573 | 3/4 | 23,398 | 3/4 | 8,224  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 83,762 | 2   | 68,587 | 2   | 53,411 | 2   | 38,257 | 2   | 23,082 | 2   | 7,907  | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 83,446 | 1/4 | 68,271 | 1/4 | 53,095 | 1/4 | 37,941 | 1/4 | 22,766 | 1/4 | 7,591  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 83,130 | 1/2 | 67,955 | 1/2 | 52,779 | 1/2 | 37,625 | 1/2 | 22,450 | 1/2 | 7,275  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 82,814 | 3/4 | 67,638 | 3/4 | 52,463 | 3/4 | 37,308 | 3/4 | 22,134 | 3/4 | 6,959  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 82,498 | 3   | 67,322 | 3   | 52,147 | 3   | 36,992 | 3   | 21,818 | 3   | 6,643  | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 82,181 | 1/4 | 67,006 | 1/4 | 51,831 | 1/4 | 36,676 | 1/4 | 21,501 | 1/4 | 6,327  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 81,865 | 1/2 | 66,690 | 1/2 | 51,515 | 1/2 | 36,360 | 1/2 | 21,185 | 1/2 | 6,011  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 81,549 | 3/4 | 66,374 | 3/4 | 51,199 | 3/4 | 36,044 | 3/4 | 20,869 | 3/4 | 5,696  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 81,233 | 4   | 66,058 | 4   | 50,884 | 4   | 35,728 | 4   | 20,553 | 4   | 5,380  | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 80,917 | 1/4 | 65,741 | 1/4 | 50,568 | 1/4 | 35,412 | 1/4 | 20,237 | 1/4 | 5,064  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 80,601 | 1/2 | 65,425 | 1/2 | 50,253 | 1/2 | 35,095 | 1/2 | 19,921 | 1/2 | 4,749  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 80,284 | 3/4 | 65,109 | 3/4 | 49,937 | 3/4 | 34,779 | 3/4 | 19,605 | 3/4 | 4,435  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 79,968 | 5   | 64,793 | 5   | 49,621 | 5   | 34,463 | 5   | 19,288 | 5   | 4,120  | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 79,652 | 1/4 | 64,477 | 1/4 | 49,306 | 1/4 | 34,147 | 1/4 | 18,972 | 1/4 | 3,806  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 79,336 | 1/2 | 64,161 | 1/2 | 48,990 | 1/2 | 33,831 | 1/2 | 18,656 | 1/2 | 3,516  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 79,020 | 3/4 | 63,845 | 3/4 | 48,674 | 3/4 | 33,515 | 3/4 | 18,340 | 3/4 | 3,226  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 78,704 | 6   | 63,528 | 6   | 48,359 | 6   | 33,199 | 6   | 18,024 | 6   | 2,936  | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 78,388 | 1/4 | 63,212 | 1/4 | 48,043 | 1/4 | 32,882 | 1/4 | 17,708 | 1/4 | 2,647  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 78,071 | 1/2 | 62,896 | 1/2 | 47,727 | 1/2 | 32,566 | 1/2 | 17,392 | 1/2 | 2,410  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 77,755 | 3/4 | 62,580 | 3/4 | 47,412 | 3/4 | 32,250 | 3/4 | 17,075 | 3/4 | 2,173  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 77,439 | 7   | 62,264 | 7   | 47,096 | 7   | 31,934 | 7   | 16,759 | 7   | 1,936  | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 77,123 | 1/4 | 61,948 | 1/4 | 46,781 | 1/4 | 31,618 | 1/4 | 16,443 | 1/4 | 1,698  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 76,807 | 1/2 | 61,631 | 1/2 | 46,465 | 1/2 | 31,302 | 1/2 | 16,127 | 1/2 | 1,514  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 76,491 | 3/4 | 61,315 | 3/4 | 46,149 | 3/4 | 30,986 | 3/4 | 15,811 | 3/4 | 1,330  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 76,174 | 8   | 60,999 | 8   | 45,834 | 8   | 30,669 | 8   | 15,495 | 8   | 1,145  | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 75,858 | 1/4 | 60,683 | 1/4 | 45,518 | 1/4 | 30,353 | 1/4 | 15,179 | 1/4 | 961    | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 75,542 | 1/2 | 60,367 | 1/2 | 45,202 | 1/2 | 30,037 | 1/2 | 14,863 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 75,226 | 3/4 | 60,051 | 3/4 | 44,887 | 3/4 | 29,721 | 3/4 | 14,546 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 74,910 | 9   | 59,735 | 9   | 44,571 | 9   | 29,405 | 9   | 14,230 | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 74,594 | 1/4 | 59,418 | 1/4 | 44,255 | 1/4 | 29,089 | 1/4 | 13,914 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 74,278 | 1/2 | 59,102 | 1/2 | 43,940 | 1/2 | 28,773 | 1/2 | 13,598 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 73,961 | 3/4 | 58,786 | 3/4 | 43,624 | 3/4 | 28,457 | 3/4 | 13,282 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 73,645 | 10  | 58,470 | 10  | 43,309 | 10  | 28,140 | 10  | 12,966 | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 73,329 | 1/4 | 58,154 | 1/4 | 42,993 | 1/4 | 27,824 | 1/4 | 12,650 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 73,013 | 1/2 | 57,838 | 1/2 | 42,677 | 1/2 | 27,508 | 1/2 | 12,333 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 72,697 | 3/4 | 57,521 | 3/4 | 42,362 | 3/4 | 27,192 | 3/4 | 12,017 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 72,381 | 11  | 57,205 | 11  | 42,046 | 11  | 26,876 | 11  | 11,701 | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 72,064 | 1/4 | 56,889 | 1/4 | 41,730 | 1/4 | 26,560 | 1/4 | 11,385 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 71,748 | 1/2 | 56,573 | 1/2 | 41,415 | 1/2 | 26,244 | 1/2 | 11,069 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 71,432 | 3/4 | 56,257 | 3/4 | 41,099 | 3/4 | 25,927 | 3/4 | 10,753 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/18/2013 CL  
CALCULATED: 09/18/2013 CL  
PRINTED: 09/18/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2013

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



# BARGE "CBC 386"

2 STBD

## ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

| IN  | 0 FT. | IN  | 1 FT.   | IN  | 2 FT.   | IN  | 3 FT.   | IN  | 4 FT.   | IN  | 5 FT.   | IN  | 6 FT.   | IN  | 7 FT.   | IN  | 8 FT.   | IN  | 9 FT.   |
|-----|-------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|
| 0   |       | 0   |         | 0   | 207,005 | 0   | 191,867 | 0   | 176,694 | 0   | 161,520 | 0   | 146,347 | 0   | 131,174 | 0   | 116,000 | 0   | 100,824 |
| 1/4 |       | 1/4 | 220,749 | 1/4 | 206,690 | 1/4 | 191,551 | 1/4 | 176,378 | 1/4 | 161,204 | 1/4 | 146,031 | 1/4 | 130,858 | 1/4 | 115,684 | 1/4 | 100,508 |
| 1/2 |       | 1/2 | 220,568 | 1/2 | 206,375 | 1/2 | 191,235 | 1/2 | 176,062 | 1/2 | 160,888 | 1/2 | 145,715 | 1/2 | 130,542 | 1/2 | 115,368 | 1/2 | 100,191 |
| 3/4 |       | 3/4 | 220,386 | 3/4 | 206,061 | 3/4 | 190,919 | 3/4 | 175,746 | 3/4 | 160,572 | 3/4 | 145,399 | 3/4 | 130,225 | 3/4 | 115,052 | 3/4 | 99,875  |
| 1   |       | 1   | 220,205 | 1   | 205,746 | 1   | 190,603 | 1   | 175,429 | 1   | 160,256 | 1   | 145,083 | 1   | 129,909 | 1   | 114,736 | 1   | 99,559  |
| 1/4 |       | 1/4 | 220,023 | 1/4 | 205,431 | 1/4 | 190,287 | 1/4 | 175,113 | 1/4 | 159,940 | 1/4 | 144,767 | 1/4 | 129,593 | 1/4 | 114,420 | 1/4 | 99,243  |
| 1/2 |       | 1/2 | 219,790 | 1/2 | 205,116 | 1/2 | 189,971 | 1/2 | 174,797 | 1/2 | 159,624 | 1/2 | 144,450 | 1/2 | 129,277 | 1/2 | 114,104 | 1/2 | 98,927  |
| 3/4 |       | 3/4 | 219,558 | 3/4 | 204,801 | 3/4 | 189,654 | 3/4 | 174,481 | 3/4 | 159,308 | 3/4 | 144,134 | 3/4 | 128,961 | 3/4 | 113,788 | 3/4 | 98,610  |
| 2   |       | 2   | 219,325 | 2   | 204,486 | 2   | 189,338 | 2   | 174,165 | 2   | 158,992 | 2   | 143,818 | 2   | 128,645 | 2   | 113,471 | 2   | 98,294  |
| 1/4 |       | 1/4 | 219,092 | 1/4 | 204,171 | 1/4 | 189,022 | 1/4 | 173,849 | 1/4 | 158,675 | 1/4 | 143,502 | 1/4 | 128,329 | 1/4 | 113,155 | 1/4 | 97,978  |
| 1/2 |       | 1/2 | 218,806 | 1/2 | 203,856 | 1/2 | 188,706 | 1/2 | 173,533 | 1/2 | 158,359 | 1/2 | 143,186 | 1/2 | 128,013 | 1/2 | 112,839 | 1/2 | 97,662  |
| 3/4 |       | 3/4 | 218,521 | 3/4 | 203,541 | 3/4 | 188,390 | 3/4 | 173,217 | 3/4 | 158,043 | 3/4 | 142,870 | 3/4 | 127,697 | 3/4 | 112,523 | 3/4 | 97,345  |
| 3   |       | 3   | 218,235 | 3   | 203,226 | 3   | 188,074 | 3   | 172,901 | 3   | 157,727 | 3   | 142,554 | 3   | 127,380 | 3   | 112,207 | 3   | 97,029  |
| 1/4 |       | 1/4 | 217,950 | 1/4 | 202,912 | 1/4 | 187,758 | 1/4 | 172,584 | 1/4 | 157,411 | 1/4 | 142,238 | 1/4 | 127,064 | 1/4 | 111,891 | 1/4 | 96,713  |
| 1/2 |       | 1/2 | 217,639 | 1/2 | 202,597 | 1/2 | 187,442 | 1/2 | 172,268 | 1/2 | 157,095 | 1/2 | 141,922 | 1/2 | 126,748 | 1/2 | 111,575 | 1/2 | 96,397  |
| 3/4 |       | 3/4 | 217,329 | 3/4 | 202,282 | 3/4 | 187,126 | 3/4 | 171,952 | 3/4 | 156,779 | 3/4 | 141,605 | 3/4 | 126,432 | 3/4 | 111,259 | 3/4 | 96,080  |
| 4   |       | 4   | 217,018 | 4   | 201,967 | 4   | 186,809 | 4   | 171,636 | 4   | 156,463 | 4   | 141,289 | 4   | 126,116 | 4   | 110,943 | 4   | 95,764  |
| 1/4 |       | 1/4 | 216,708 | 1/4 | 201,652 | 1/4 | 186,493 | 1/4 | 171,320 | 1/4 | 156,147 | 1/4 | 140,973 | 1/4 | 125,800 | 1/4 | 110,626 | 1/4 | 95,448  |
| 1/2 |       | 1/2 | 216,396 | 1/2 | 201,337 | 1/2 | 186,177 | 1/2 | 171,004 | 1/2 | 155,830 | 1/2 | 140,657 | 1/2 | 125,484 | 1/2 | 110,310 | 1/2 | 95,132  |
| 3/4 |       | 3/4 | 216,084 | 3/4 | 201,022 | 3/4 | 185,861 | 3/4 | 170,688 | 3/4 | 155,514 | 3/4 | 140,341 | 3/4 | 125,168 | 3/4 | 109,994 | 3/4 | 94,816  |
| 5   |       | 5   | 215,773 | 5   | 200,707 | 5   | 185,545 | 5   | 170,372 | 5   | 155,198 | 5   | 140,025 | 5   | 124,852 | 5   | 109,678 | 5   | 94,499  |
| 1/4 |       | 1/4 | 215,461 | 1/4 | 200,392 | 1/4 | 185,229 | 1/4 | 170,056 | 1/4 | 154,882 | 1/4 | 139,709 | 1/4 | 124,535 | 1/4 | 109,362 | 1/4 | 94,183  |
| 1/2 |       | 1/2 | 215,149 | 1/2 | 200,078 | 1/2 | 184,913 | 1/2 | 169,739 | 1/2 | 154,566 | 1/2 | 139,393 | 1/2 | 124,219 | 1/2 | 109,046 | 1/2 | 93,867  |
| 3/4 |       | 3/4 | 214,837 | 3/4 | 199,763 | 3/4 | 184,597 | 3/4 | 169,423 | 3/4 | 154,250 | 3/4 | 139,077 | 3/4 | 123,903 | 3/4 | 108,730 | 3/4 | 93,551  |
| 6   |       | 6   | 214,526 | 6   | 199,448 | 6   | 184,281 | 6   | 169,107 | 6   | 153,934 | 6   | 138,760 | 6   | 123,587 | 6   | 108,413 | 6   | 93,234  |
| 1/4 |       | 1/4 | 214,214 | 1/4 | 199,133 | 1/4 | 183,964 | 1/4 | 168,791 | 1/4 | 153,618 | 1/4 | 138,444 | 1/4 | 123,271 | 1/4 | 108,097 | 1/4 | 92,918  |
| 1/2 |       | 1/2 | 213,902 | 1/2 | 198,818 | 1/2 | 183,648 | 1/2 | 168,475 | 1/2 | 153,302 | 1/2 | 138,128 | 1/2 | 122,955 | 1/2 | 107,781 | 1/2 | 92,602  |
| 3/4 |       | 3/4 | 213,590 | 3/4 | 198,503 | 3/4 | 183,332 | 3/4 | 168,159 | 3/4 | 152,985 | 3/4 | 137,812 | 3/4 | 122,639 | 3/4 | 107,465 | 3/4 | 92,286  |
| 7   |       | 7   | 213,278 | 7   | 198,188 | 7   | 183,016 | 7   | 167,843 | 7   | 152,669 | 7   | 137,496 | 7   | 122,323 | 7   | 107,148 | 7   | 91,969  |
| 1/4 |       | 1/4 | 212,966 | 1/4 | 197,873 | 1/4 | 182,700 | 1/4 | 167,527 | 1/4 | 152,353 | 1/4 | 137,180 | 1/4 | 122,007 | 1/4 | 106,832 | 1/4 | 91,653  |
| 1/2 |       | 1/2 | 212,654 | 1/2 | 197,557 | 1/2 | 182,384 | 1/2 | 167,210 | 1/2 | 152,037 | 1/2 | 136,864 | 1/2 | 121,690 | 1/2 | 106,516 | 1/2 | 91,337  |
| 3/4 |       | 3/4 | 212,342 | 3/4 | 197,241 | 3/4 | 182,068 | 3/4 | 166,894 | 3/4 | 151,721 | 3/4 | 136,548 | 3/4 | 121,374 | 3/4 | 106,200 | 3/4 | 91,021  |
| 8   |       | 8   | 212,030 | 8   | 196,925 | 8   | 181,752 | 8   | 166,578 | 8   | 151,405 | 8   | 136,232 | 8   | 121,058 | 8   | 105,884 | 8   | 90,705  |
| 1/4 |       | 1/4 | 211,718 | 1/4 | 196,609 | 1/4 | 181,436 | 1/4 | 166,262 | 1/4 | 151,089 | 1/4 | 135,915 | 1/4 | 120,742 | 1/4 | 105,567 | 1/4 | 90,388  |
| 1/2 |       | 1/2 | 211,406 | 1/2 | 196,293 | 1/2 | 181,119 | 1/2 | 165,946 | 1/2 | 150,773 | 1/2 | 135,599 | 1/2 | 120,426 | 1/2 | 105,251 | 1/2 | 90,072  |
| 3/4 |       | 3/4 | 211,094 | 3/4 | 195,977 | 3/4 | 180,803 | 3/4 | 165,630 | 3/4 | 150,457 | 3/4 | 135,283 | 3/4 | 120,110 | 3/4 | 104,935 | 3/4 | 89,756  |
| 9   |       | 9   | 210,782 | 9   | 195,661 | 9   | 180,487 | 9   | 165,314 | 9   | 150,140 | 9   | 134,967 | 9   | 119,794 | 9   | 104,619 | 9   | 89,440  |
| 1/4 |       | 1/4 | 210,470 | 1/4 | 195,344 | 1/4 | 180,171 | 1/4 | 164,998 | 1/4 | 149,824 | 1/4 | 134,651 | 1/4 | 119,478 | 1/4 | 104,302 | 1/4 | 89,123  |
| 1/2 |       | 1/2 | 210,155 | 1/2 | 195,028 | 1/2 | 179,855 | 1/2 | 164,682 | 1/2 | 149,508 | 1/2 | 134,335 | 1/2 | 119,162 | 1/2 | 103,986 | 1/2 | 88,807  |
| 3/4 |       | 3/4 | 209,840 | 3/4 | 194,712 | 3/4 | 179,539 | 3/4 | 164,365 | 3/4 | 149,192 | 3/4 | 134,019 | 3/4 | 118,845 | 3/4 | 103,670 | 3/4 | 88,491  |
| 10  |       | 10  | 209,525 | 10  | 194,396 | 10  | 179,223 | 10  | 164,049 | 10  | 148,876 | 10  | 133,703 | 10  | 118,529 | 10  | 103,354 | 10  | 88,175  |
| 1/4 |       | 1/4 | 209,210 | 1/4 | 194,080 | 1/4 | 178,907 | 1/4 | 163,733 | 1/4 | 148,560 | 1/4 | 133,387 | 1/4 | 118,213 | 1/4 | 103,037 | 1/4 | 87,859  |
| 1/2 |       | 1/2 | 208,895 | 1/2 | 193,764 | 1/2 | 178,591 | 1/2 | 163,417 | 1/2 | 148,244 | 1/2 | 133,070 | 1/2 | 117,897 | 1/2 | 102,721 | 1/2 | 87,542  |
| 3/4 |       | 3/4 | 208,580 | 3/4 | 193,448 | 3/4 | 178,274 | 3/4 | 163,101 | 3/4 | 147,928 | 3/4 | 132,754 | 3/4 | 117,581 | 3/4 | 102,405 | 3/4 | 87,226  |
| 11  |       | 11  | 208,265 | 11  | 193,132 | 11  | 177,958 | 11  | 162,785 | 11  | 147,612 | 11  | 132,438 | 11  | 117,265 | 11  | 102,089 | 11  | 86,910  |
| 1/4 |       | 1/4 | 207,950 | 1/4 | 192,816 | 1/4 | 177,642 | 1/4 | 162,469 | 1/4 | 147,295 | 1/4 | 132,122 | 1/4 | 116,949 | 1/4 | 101,773 | 1/4 | 86,594  |
| 1/2 |       | 1/2 | 207,635 | 1/2 | 192,499 | 1/2 | 177,326 | 1/2 | 162,153 | 1/2 | 146,979 | 1/2 | 131,806 | 1/2 | 116,633 | 1/2 | 101,456 | 1/2 | 86,277  |
| 3/4 |       | 3/4 | 207,320 | 3/4 | 192,183 | 3/4 | 177,010 | 3/4 | 161,837 | 3/4 | 146,663 | 3/4 | 131,490 | 3/4 | 116,316 | 3/4 | 101,140 | 3/4 | 85,961  |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>





# BARGE "CBC 386"

2 STBD  
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

| IN  | 10 FT. | IN  | 11 FT. | IN  | 12 FT. | IN  | 13 FT. | IN  | 14 FT. | IN  | 15 FT. | IN  | 16 FT. | IN  | 17 FT. | IN  | 18 FT. | IN  | 19 FT. |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0   | 85,645 | 0   | 70,466 | 0   | 55,287 | 0   | 40,668 | 0   | 25,617 | 0   | 10,439 | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 85,329 | 1/4 | 70,150 | 1/4 | 54,971 | 1/4 | 40,366 | 1/4 | 25,301 | 1/4 | 10,123 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 85,012 | 1/2 | 69,833 | 1/2 | 54,655 | 1/2 | 40,065 | 1/2 | 24,985 | 1/2 | 9,807  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 84,696 | 3/4 | 69,517 | 3/4 | 54,338 | 3/4 | 39,763 | 3/4 | 24,669 | 3/4 | 9,490  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 84,380 | 1   | 69,201 | 1   | 54,022 | 1   | 39,461 | 1   | 24,353 | 1   | 9,174  | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 84,064 | 1/4 | 68,885 | 1/4 | 53,706 | 1/4 | 39,159 | 1/4 | 24,036 | 1/4 | 8,858  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 83,748 | 1/2 | 68,569 | 1/2 | 53,390 | 1/2 | 38,857 | 1/2 | 23,720 | 1/2 | 8,542  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 83,431 | 3/4 | 68,252 | 3/4 | 53,073 | 3/4 | 38,554 | 3/4 | 23,404 | 3/4 | 8,226  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 83,115 | 2   | 67,936 | 2   | 52,757 | 2   | 38,252 | 2   | 23,088 | 2   | 7,909  | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 82,799 | 1/4 | 67,620 | 1/4 | 52,441 | 1/4 | 37,950 | 1/4 | 22,771 | 1/4 | 7,593  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 82,483 | 1/2 | 67,304 | 1/2 | 52,139 | 1/2 | 37,634 | 1/2 | 22,455 | 1/2 | 7,277  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 82,166 | 3/4 | 66,987 | 3/4 | 51,836 | 3/4 | 37,317 | 3/4 | 22,139 | 3/4 | 6,961  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 81,850 | 3   | 66,671 | 3   | 51,534 | 3   | 37,001 | 3   | 21,823 | 3   | 6,645  | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 81,534 | 1/4 | 66,355 | 1/4 | 51,232 | 1/4 | 36,685 | 1/4 | 21,507 | 1/4 | 6,328  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 81,218 | 1/2 | 66,039 | 1/2 | 50,930 | 1/2 | 36,369 | 1/2 | 21,190 | 1/2 | 6,013  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 80,901 | 3/4 | 65,723 | 3/4 | 50,628 | 3/4 | 36,053 | 3/4 | 20,874 | 3/4 | 5,697  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 80,585 | 4   | 65,406 | 4   | 50,326 | 4   | 35,736 | 4   | 20,558 | 4   | 5,381  | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 80,269 | 1/4 | 65,090 | 1/4 | 50,024 | 1/4 | 35,420 | 1/4 | 20,242 | 1/4 | 5,065  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 79,953 | 1/2 | 64,774 | 1/2 | 49,723 | 1/2 | 35,104 | 1/2 | 19,926 | 1/2 | 4,751  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 79,637 | 3/4 | 64,458 | 3/4 | 49,421 | 3/4 | 34,788 | 3/4 | 19,609 | 3/4 | 4,436  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 79,320 | 5   | 64,141 | 5   | 49,119 | 5   | 34,471 | 5   | 19,293 | 5   | 4,121  | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 79,004 | 1/4 | 63,825 | 1/4 | 48,817 | 1/4 | 34,155 | 1/4 | 18,977 | 1/4 | 3,806  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 78,688 | 1/2 | 63,509 | 1/2 | 48,515 | 1/2 | 33,839 | 1/2 | 18,661 | 1/2 | 3,517  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 78,372 | 3/4 | 63,193 | 3/4 | 48,213 | 3/4 | 33,523 | 3/4 | 18,344 | 3/4 | 3,227  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 78,055 | 6   | 62,876 | 6   | 47,912 | 6   | 33,207 | 6   | 18,028 | 6   | 2,937  | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 77,739 | 1/4 | 62,560 | 1/4 | 47,610 | 1/4 | 32,890 | 1/4 | 17,712 | 1/4 | 2,647  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 77,423 | 1/2 | 62,244 | 1/2 | 47,308 | 1/2 | 32,574 | 1/2 | 17,396 | 1/2 | 2,410  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 77,107 | 3/4 | 61,928 | 3/4 | 47,006 | 3/4 | 32,258 | 3/4 | 17,080 | 3/4 | 2,173  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 76,791 | 7   | 61,612 | 7   | 46,704 | 7   | 31,942 | 7   | 16,763 | 7   | 1,936  | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 76,474 | 1/4 | 61,295 | 1/4 | 46,403 | 1/4 | 31,626 | 1/4 | 16,447 | 1/4 | 1,699  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 76,158 | 1/2 | 60,979 | 1/2 | 46,101 | 1/2 | 31,309 | 1/2 | 16,131 | 1/2 | 1,514  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 75,842 | 3/4 | 60,663 | 3/4 | 45,799 | 3/4 | 30,993 | 3/4 | 15,815 | 3/4 | 1,330  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 75,526 | 8   | 60,347 | 8   | 45,497 | 8   | 30,677 | 8   | 15,499 | 8   | 1,146  | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 75,209 | 1/4 | 60,030 | 1/4 | 45,195 | 1/4 | 30,361 | 1/4 | 15,182 | 1/4 | 961    | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 74,893 | 1/2 | 59,714 | 1/2 | 44,894 | 1/2 | 30,044 | 1/2 | 14,866 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 74,577 | 3/4 | 59,398 | 3/4 | 44,592 | 3/4 | 29,728 | 3/4 | 14,550 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 74,261 | 9   | 59,082 | 9   | 44,290 | 9   | 29,412 | 9   | 14,234 | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 73,944 | 1/4 | 58,765 | 1/4 | 43,988 | 1/4 | 29,096 | 1/4 | 13,917 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 73,628 | 1/2 | 58,449 | 1/2 | 43,686 | 1/2 | 28,780 | 1/2 | 13,601 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 73,312 | 3/4 | 58,133 | 3/4 | 43,384 | 3/4 | 28,463 | 3/4 | 13,285 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 72,996 | 10  | 57,817 | 10  | 43,083 | 10  | 28,147 | 10  | 12,969 | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 72,680 | 1/4 | 57,501 | 1/4 | 42,781 | 1/4 | 27,831 | 1/4 | 12,653 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 72,363 | 1/2 | 57,184 | 1/2 | 42,479 | 1/2 | 27,515 | 1/2 | 12,336 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 72,047 | 3/4 | 56,868 | 3/4 | 42,177 | 3/4 | 27,199 | 3/4 | 12,020 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 71,731 | 11  | 56,552 | 11  | 41,875 | 11  | 26,882 | 11  | 11,704 | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 71,415 | 1/4 | 56,236 | 1/4 | 41,574 | 1/4 | 26,566 | 1/4 | 11,388 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 71,098 | 1/2 | 55,919 | 1/2 | 41,272 | 1/2 | 26,250 | 1/2 | 11,071 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 70,782 | 3/4 | 55,603 | 3/4 | 40,970 | 3/4 | 25,934 | 3/4 | 10,755 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/18/2013 CL  
CALCULATED: 09/18/2013 CL  
PRINTED: 09/18/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2013

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





# BARGE "CBC 386"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 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   |       | 0   |         | 0   | 179,583 | 0   | 171,472 | 0   | 163,343 | 0   | 155,214 | 0   | 146,940 | 0   | 131,908 | 0   | 116,822 | 0   | 101,709 |
| 1/4 |       | 1/4 |         | 1/4 | 179,414 | 1/4 | 171,303 | 1/4 | 163,174 | 1/4 | 155,044 | 1/4 | 146,827 | 1/4 | 131,793 | 1/4 | 116,707 | 1/4 | 101,595 |
| 1/2 |       | 1/2 |         | 1/2 | 179,245 | 1/2 | 171,134 | 1/2 | 163,004 | 1/2 | 154,875 | 1/2 | 146,713 | 1/2 | 131,679 | 1/2 | 116,592 | 1/2 | 101,480 |
| 3/4 |       | 3/4 | 186,168 | 3/4 | 179,076 | 3/4 | 170,964 | 3/4 | 162,835 | 3/4 | 154,706 | 3/4 | 146,600 | 3/4 | 130,965 | 3/4 | 115,877 | 3/4 | 100,765 |
| 1   |       | 1   | 186,131 | 1   | 178,908 | 1   | 170,795 | 1   | 162,665 | 1   | 154,536 | 1   | 145,686 | 1   | 130,651 | 1   | 115,562 | 1   | 100,450 |
| 1/4 |       | 1/4 | 186,095 | 1/4 | 178,739 | 1/4 | 170,625 | 1/4 | 162,496 | 1/4 | 154,367 | 1/4 | 145,373 | 1/4 | 130,336 | 1/4 | 115,248 | 1/4 | 100,135 |
| 1/2 |       | 1/2 | 186,058 | 1/2 | 178,570 | 1/2 | 170,456 | 1/2 | 162,327 | 1/2 | 154,197 | 1/2 | 145,059 | 1/2 | 130,022 | 1/2 | 114,933 | 1/2 | 99,820  |
| 3/4 |       | 3/4 | 186,022 | 3/4 | 178,401 | 3/4 | 170,287 | 3/4 | 162,157 | 3/4 | 154,028 | 3/4 | 144,746 | 3/4 | 129,708 | 3/4 | 114,618 | 3/4 | 99,505  |
| 2   |       | 2   | 185,933 | 2   | 178,233 | 2   | 170,117 | 2   | 161,988 | 2   | 153,859 | 2   | 144,432 | 2   | 129,393 | 2   | 114,303 | 2   | 99,190  |
| 1/4 |       | 1/4 | 185,845 | 1/4 | 178,064 | 1/4 | 169,948 | 1/4 | 161,819 | 1/4 | 153,689 | 1/4 | 144,119 | 1/4 | 129,079 | 1/4 | 113,988 | 1/4 | 98,876  |
| 1/2 |       | 1/2 | 185,756 | 1/2 | 177,895 | 1/2 | 169,779 | 1/2 | 161,649 | 1/2 | 153,520 | 1/2 | 143,805 | 1/2 | 128,765 | 1/2 | 113,674 | 1/2 | 98,561  |
| 3/4 |       | 3/4 | 185,668 | 3/4 | 177,726 | 3/4 | 169,609 | 3/4 | 161,480 | 3/4 | 153,351 | 3/4 | 143,492 | 3/4 | 128,451 | 3/4 | 113,359 | 3/4 | 98,246  |
| 3   |       | 3   | 185,527 | 3   | 177,558 | 3   | 169,440 | 3   | 161,311 | 3   | 153,181 | 3   | 143,178 | 3   | 128,136 | 3   | 113,044 | 3   | 97,931  |
| 1/4 |       | 1/4 | 185,386 | 1/4 | 177,389 | 1/4 | 169,271 | 1/4 | 161,141 | 1/4 | 153,012 | 1/4 | 142,865 | 1/4 | 127,822 | 1/4 | 112,729 | 1/4 | 97,616  |
| 1/2 |       | 1/2 | 185,245 | 1/2 | 177,220 | 1/2 | 169,101 | 1/2 | 160,972 | 1/2 | 152,843 | 1/2 | 142,551 | 1/2 | 127,508 | 1/2 | 112,414 | 1/2 | 97,301  |
| 3/4 |       | 3/4 | 185,105 | 3/4 | 177,051 | 3/4 | 168,932 | 3/4 | 160,803 | 3/4 | 152,673 | 3/4 | 142,238 | 3/4 | 127,194 | 3/4 | 112,100 | 3/4 | 96,986  |
| 4   |       | 4   | 184,939 | 4   | 176,883 | 4   | 168,762 | 4   | 160,633 | 4   | 152,504 | 4   | 141,924 | 4   | 126,879 | 4   | 111,785 | 4   | 96,672  |
| 1/4 |       | 1/4 | 184,773 | 1/4 | 176,714 | 1/4 | 168,593 | 1/4 | 160,464 | 1/4 | 152,334 | 1/4 | 141,611 | 1/4 | 126,565 | 1/4 | 111,470 | 1/4 | 96,357  |
| 1/2 |       | 1/2 | 184,608 | 1/2 | 176,545 | 1/2 | 168,424 | 1/2 | 160,294 | 1/2 | 152,165 | 1/2 | 141,297 | 1/2 | 126,251 | 1/2 | 111,155 | 1/2 | 96,042  |
| 3/4 |       | 3/4 | 184,442 | 3/4 | 176,376 | 3/4 | 168,254 | 3/4 | 160,125 | 3/4 | 151,996 | 3/4 | 140,984 | 3/4 | 125,936 | 3/4 | 110,840 | 3/4 | 95,727  |
| 5   |       | 5   | 184,275 | 5   | 176,208 | 5   | 168,085 | 5   | 159,956 | 5   | 151,826 | 5   | 140,670 | 5   | 125,622 | 5   | 110,526 | 5   | 95,412  |
| 1/4 |       | 1/4 | 184,109 | 1/4 | 176,039 | 1/4 | 167,916 | 1/4 | 159,786 | 1/4 | 151,657 | 1/4 | 140,357 | 1/4 | 125,308 | 1/4 | 110,211 | 1/4 | 95,097  |
| 1/2 |       | 1/2 | 183,942 | 1/2 | 175,870 | 1/2 | 167,746 | 1/2 | 159,617 | 1/2 | 151,488 | 1/2 | 140,043 | 1/2 | 124,994 | 1/2 | 109,896 | 1/2 | 94,782  |
| 3/4 |       | 3/4 | 183,775 | 3/4 | 175,701 | 3/4 | 167,577 | 3/4 | 159,448 | 3/4 | 151,318 | 3/4 | 139,730 | 3/4 | 124,679 | 3/4 | 109,581 | 3/4 | 94,467  |
| 6   |       | 6   | 183,608 | 6   | 175,533 | 6   | 167,408 | 6   | 159,278 | 6   | 151,149 | 6   | 139,417 | 6   | 124,365 | 6   | 109,266 | 6   | 94,153  |
| 1/4 |       | 1/4 | 183,441 | 1/4 | 175,364 | 1/4 | 167,238 | 1/4 | 159,109 | 1/4 | 150,980 | 1/4 | 139,104 | 1/4 | 124,051 | 1/4 | 108,951 | 1/4 | 93,838  |
| 1/2 |       | 1/2 | 183,274 | 1/2 | 175,195 | 1/2 | 167,069 | 1/2 | 158,940 | 1/2 | 150,810 | 1/2 | 138,791 | 1/2 | 123,737 | 1/2 | 108,636 | 1/2 | 93,523  |
| 3/4 |       | 3/4 | 183,107 | 3/4 | 175,026 | 3/4 | 166,900 | 3/4 | 158,770 | 3/4 | 150,641 | 3/4 | 138,479 | 3/4 | 123,422 | 3/4 | 108,322 | 3/4 | 93,208  |
| 7   |       | 7   | 182,940 | 7   | 174,858 | 7   | 166,730 | 7   | 158,601 | 7   | 150,472 | 7   | 138,166 | 7   | 123,108 | 7   | 108,007 | 7   | 92,893  |
| 1/4 |       | 1/4 | 182,773 | 1/4 | 174,689 | 1/4 | 166,561 | 1/4 | 158,431 | 1/4 | 150,302 | 1/4 | 137,853 | 1/4 | 122,794 | 1/4 | 107,692 | 1/4 | 92,578  |
| 1/2 |       | 1/2 | 182,606 | 1/2 | 174,520 | 1/2 | 166,391 | 1/2 | 158,262 | 1/2 | 150,133 | 1/2 | 137,540 | 1/2 | 122,479 | 1/2 | 107,377 | 1/2 | 92,263  |
| 3/4 |       | 3/4 | 182,438 | 3/4 | 174,351 | 3/4 | 166,222 | 3/4 | 158,093 | 3/4 | 149,963 | 3/4 | 137,227 | 3/4 | 122,165 | 3/4 | 107,062 | 3/4 | 91,949  |
| 8   |       | 8   | 182,271 | 8   | 174,182 | 8   | 166,053 | 8   | 157,923 | 8   | 149,794 | 8   | 136,914 | 8   | 121,851 | 8   | 106,747 | 8   | 91,634  |
| 1/4 |       | 1/4 | 182,104 | 1/4 | 174,013 | 1/4 | 165,883 | 1/4 | 157,754 | 1/4 | 149,625 | 1/4 | 136,602 | 1/4 | 121,537 | 1/4 | 106,432 | 1/4 | 91,319  |
| 1/2 |       | 1/2 | 181,937 | 1/2 | 173,843 | 1/2 | 165,714 | 1/2 | 157,585 | 1/2 | 149,455 | 1/2 | 136,289 | 1/2 | 121,222 | 1/2 | 106,118 | 1/2 | 91,004  |
| 3/4 |       | 3/4 | 181,770 | 3/4 | 173,674 | 3/4 | 165,545 | 3/4 | 157,415 | 3/4 | 149,286 | 3/4 | 135,976 | 3/4 | 120,908 | 3/4 | 105,803 | 3/4 | 90,689  |
| 9   |       | 9   | 181,603 | 9   | 173,505 | 9   | 165,375 | 9   | 157,246 | 9   | 149,117 | 9   | 135,663 | 9   | 120,594 | 9   | 105,488 | 9   | 90,374  |
| 1/4 |       | 1/4 | 181,436 | 1/4 | 173,335 | 1/4 | 165,206 | 1/4 | 157,077 | 1/4 | 148,947 | 1/4 | 135,350 | 1/4 | 120,280 | 1/4 | 105,173 | 1/4 | 90,059  |
| 1/2 |       | 1/2 | 181,268 | 1/2 | 173,166 | 1/2 | 165,037 | 1/2 | 156,907 | 1/2 | 148,778 | 1/2 | 135,037 | 1/2 | 119,965 | 1/2 | 104,858 | 1/2 | 89,744  |
| 3/4 |       | 3/4 | 181,101 | 3/4 | 172,996 | 3/4 | 164,867 | 3/4 | 156,738 | 3/4 | 148,609 | 3/4 | 134,725 | 3/4 | 119,651 | 3/4 | 104,543 | 3/4 | 89,430  |
| 10  |       | 10  | 180,933 | 10  | 172,827 | 10  | 164,698 | 10  | 156,569 | 10  | 148,439 | 10  | 134,412 | 10  | 119,337 | 10  | 104,228 | 10  | 89,115  |
| 1/4 |       | 1/4 | 180,764 | 1/4 | 172,658 | 1/4 | 164,528 | 1/4 | 156,399 | 1/4 | 148,270 | 1/4 | 134,099 | 1/4 | 119,022 | 1/4 | 103,913 | 1/4 | 88,800  |
| 1/2 |       | 1/2 | 180,595 | 1/2 | 172,488 | 1/2 | 164,359 | 1/2 | 156,230 | 1/2 | 148,100 | 1/2 | 133,786 | 1/2 | 118,708 | 1/2 | 103,599 | 1/2 | 88,485  |
| 3/4 |       | 3/4 | 180,426 | 3/4 | 172,319 | 3/4 | 164,190 | 3/4 | 156,060 | 3/4 | 147,931 | 3/4 | 133,473 | 3/4 | 118,394 | 3/4 | 103,284 | 3/4 | 88,170  |
| 11  |       | 11  | 180,258 | 11  | 172,150 | 11  | 164,020 | 11  | 155,891 | 11  | 147,762 | 11  | 133,160 | 11  | 118,080 | 11  | 102,969 | 11  | 87,855  |
| 1/4 |       | 1/4 | 180,089 | 1/4 | 171,980 | 1/4 | 163,851 | 1/4 | 155,722 | 1/4 | 147,592 | 1/4 | 132,848 | 1/4 | 117,765 | 1/4 | 102,654 | 1/4 | 87,540  |
| 1/2 |       | 1/2 | 179,920 | 1/2 | 171,811 | 1/2 | 163,682 | 1/2 | 155,552 | 1/2 | 147,423 | 1/2 | 132,535 | 1/2 | 117,451 | 1/2 | 102,339 | 1/2 | 87,226  |
| 3/4 |       | 3/4 | 179,751 | 3/4 | 171,642 | 3/4 | 163,512 | 3/4 | 155,383 | 3/4 | 147,254 | 3/4 | 132,222 | 3/4 | 117,137 | 3/4 | 102,024 | 3/4 | 86,911  |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 386"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 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   | 86,596 | 0   | 71,479 | 0   | 56,361 | 0   | 41,256 | 0   | 26,143 | 0   | 11,027 | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 86,281 | 1/4 | 71,164 | 1/4 | 56,047 | 1/4 | 40,942 | 1/4 | 25,828 | 1/4 | 10,712 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 85,966 | 1/2 | 70,849 | 1/2 | 55,732 | 1/2 | 40,627 | 1/2 | 25,513 | 1/2 | 10,397 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 85,651 | 3/4 | 70,534 | 3/4 | 55,417 | 3/4 | 40,313 | 3/4 | 25,199 | 3/4 | 10,082 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 85,336 | 1   | 70,219 | 1   | 55,102 | 1   | 39,998 | 1   | 24,884 | 1   | 9,767  | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 85,021 | 1/4 | 69,904 | 1/4 | 54,787 | 1/4 | 39,683 | 1/4 | 24,569 | 1/4 | 9,452  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 84,706 | 1/2 | 69,589 | 1/2 | 54,472 | 1/2 | 39,369 | 1/2 | 24,254 | 1/2 | 9,137  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 84,391 | 3/4 | 69,274 | 3/4 | 54,157 | 3/4 | 39,054 | 3/4 | 23,939 | 3/4 | 8,822  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 84,076 | 2   | 68,959 | 2   | 53,842 | 2   | 38,740 | 2   | 23,624 | 2   | 8,507  | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 83,762 | 1/4 | 68,644 | 1/4 | 53,527 | 1/4 | 38,425 | 1/4 | 23,309 | 1/4 | 8,192  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 83,447 | 1/2 | 68,329 | 1/2 | 53,212 | 1/2 | 38,110 | 1/2 | 22,994 | 1/2 | 7,877  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 83,132 | 3/4 | 68,014 | 3/4 | 52,897 | 3/4 | 37,796 | 3/4 | 22,679 | 3/4 | 7,562  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 82,817 | 3   | 67,699 | 3   | 52,582 | 3   | 37,481 | 3   | 22,364 | 3   | 7,248  | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 82,502 | 1/4 | 67,384 | 1/4 | 52,267 | 1/4 | 37,166 | 1/4 | 22,049 | 1/4 | 6,933  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 82,187 | 1/2 | 67,070 | 1/2 | 51,952 | 1/2 | 36,851 | 1/2 | 21,734 | 1/2 | 6,618  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 81,872 | 3/4 | 66,755 | 3/4 | 51,637 | 3/4 | 36,536 | 3/4 | 21,419 | 3/4 | 6,303  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 81,557 | 4   | 66,440 | 4   | 51,322 | 4   | 36,221 | 4   | 21,104 | 4   | 5,988  | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 81,242 | 1/4 | 66,125 | 1/4 | 51,008 | 1/4 | 35,906 | 1/4 | 20,790 | 1/4 | 5,674  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 80,927 | 1/2 | 65,810 | 1/2 | 50,693 | 1/2 | 35,591 | 1/2 | 20,475 | 1/2 | 5,359  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 80,612 | 3/4 | 65,495 | 3/4 | 50,378 | 3/4 | 35,276 | 3/4 | 20,160 | 3/4 | 5,045  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 80,297 | 5   | 65,180 | 5   | 50,063 | 5   | 34,961 | 5   | 19,845 | 5   | 4,731  | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 79,982 | 1/4 | 64,865 | 1/4 | 49,749 | 1/4 | 34,646 | 1/4 | 19,530 | 1/4 | 4,418  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 79,667 | 1/2 | 64,550 | 1/2 | 49,434 | 1/2 | 34,332 | 1/2 | 19,215 | 1/2 | 4,105  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 79,352 | 3/4 | 64,235 | 3/4 | 49,120 | 3/4 | 34,017 | 3/4 | 18,900 | 3/4 | 3,791  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 79,037 | 6   | 63,920 | 6   | 48,805 | 6   | 33,702 | 6   | 18,585 | 6   | 3,503  | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 78,722 | 1/4 | 63,605 | 1/4 | 48,491 | 1/4 | 33,387 | 1/4 | 18,270 | 1/4 | 3,214  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 78,407 | 1/2 | 63,290 | 1/2 | 48,176 | 1/2 | 33,072 | 1/2 | 17,955 | 1/2 | 2,925  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 78,093 | 3/4 | 62,975 | 3/4 | 47,862 | 3/4 | 32,757 | 3/4 | 17,640 | 3/4 | 2,637  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 77,778 | 7   | 62,660 | 7   | 47,547 | 7   | 32,442 | 7   | 17,325 | 7   | 2,401  | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 77,463 | 1/4 | 62,345 | 1/4 | 47,233 | 1/4 | 32,127 | 1/4 | 17,010 | 1/4 | 2,164  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 77,148 | 1/2 | 62,030 | 1/2 | 46,918 | 1/2 | 31,812 | 1/2 | 16,695 | 1/2 | 1,928  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 76,833 | 3/4 | 61,715 | 3/4 | 46,603 | 3/4 | 31,497 | 3/4 | 16,380 | 3/4 | 1,692  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 76,518 | 8   | 61,401 | 8   | 46,289 | 8   | 31,182 | 8   | 16,066 | 8   | 1,508  | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 76,203 | 1/4 | 61,086 | 1/4 | 45,974 | 1/4 | 30,867 | 1/4 | 15,751 | 1/4 | 1,325  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 75,888 | 1/2 | 60,771 | 1/2 | 45,660 | 1/2 | 30,552 | 1/2 | 15,436 | 1/2 | 1,141  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 75,573 | 3/4 | 60,456 | 3/4 | 45,345 | 3/4 | 30,237 | 3/4 | 15,121 | 3/4 | 957    | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 75,258 | 9   | 60,141 | 9   | 45,031 | 9   | 29,922 | 9   | 14,806 | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 74,943 | 1/4 | 59,826 | 1/4 | 44,716 | 1/4 | 29,608 | 1/4 | 14,491 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 74,628 | 1/2 | 59,511 | 1/2 | 44,402 | 1/2 | 29,293 | 1/2 | 14,176 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 74,313 | 3/4 | 59,196 | 3/4 | 44,087 | 3/4 | 28,978 | 3/4 | 13,861 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 73,998 | 10  | 58,881 | 10  | 43,773 | 10  | 28,663 | 10  | 13,546 | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 73,683 | 1/4 | 58,566 | 1/4 | 43,458 | 1/4 | 28,348 | 1/4 | 13,231 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 73,368 | 1/2 | 58,251 | 1/2 | 43,143 | 1/2 | 28,033 | 1/2 | 12,916 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 73,053 | 3/4 | 57,936 | 3/4 | 42,829 | 3/4 | 27,718 | 3/4 | 12,601 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 72,739 | 11  | 57,621 | 11  | 42,514 | 11  | 27,403 | 11  | 12,286 | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 72,424 | 1/4 | 57,306 | 1/4 | 42,200 | 1/4 | 27,088 | 1/4 | 11,971 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 72,109 | 1/2 | 56,991 | 1/2 | 41,885 | 1/2 | 26,773 | 1/2 | 11,657 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 71,794 | 3/4 | 56,676 | 3/4 | 41,571 | 3/4 | 26,458 | 3/4 | 11,342 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/18/2013 CL  
CALCULATED: 09/18/2013 CL  
PRINTED: 09/18/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2013

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



# BARGE "CBC 386"

3 STBD

## ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

| IN  | 0 FT. | IN  | 1 FT.   | IN  | 2 FT.   | IN  | 3 FT.   | IN  | 4 FT.   | IN  | 5 FT.   | IN  | 6 FT.   | IN  | 7 FT.   | IN  | 8 FT.   | IN  | 9 FT.   |
|-----|-------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|
| 0   |       | 0   |         | 0   | 178,314 | 0   | 170,229 | 0   | 162,126 | 0   | 154,023 | 0   | 145,631 | 0   | 130,623 | 0   | 115,569 | 0   | 100,481 |
| 1/4 |       | 1/4 |         | 1/4 | 178,145 | 1/4 | 170,060 | 1/4 | 161,957 | 1/4 | 153,854 | 1/4 | 145,318 | 1/4 | 130,309 | 1/4 | 115,254 | 1/4 | 100,166 |
| 1/2 |       | 1/2 | 185,042 | 1/2 | 177,977 | 1/2 | 169,891 | 1/2 | 161,788 | 1/2 | 153,685 | 1/2 | 145,006 | 1/2 | 129,995 | 1/2 | 114,940 | 1/2 | 99,852  |
| 3/4 |       | 3/4 | 185,006 | 3/4 | 177,809 | 3/4 | 169,722 | 3/4 | 161,619 | 3/4 | 153,516 | 3/4 | 144,693 | 3/4 | 129,681 | 3/4 | 114,626 | 3/4 | 99,538  |
| 1   |       | 1   | 184,970 | 1   | 177,641 | 1   | 169,554 | 1   | 161,451 | 1   | 153,348 | 1   | 144,380 | 1   | 129,368 | 1   | 114,311 | 1   | 99,223  |
| 1/4 |       | 1/4 | 184,934 | 1/4 | 177,473 | 1/4 | 169,385 | 1/4 | 161,282 | 1/4 | 153,179 | 1/4 | 144,067 | 1/4 | 129,054 | 1/4 | 113,997 | 1/4 | 98,909  |
| 1/2 |       | 1/2 | 184,898 | 1/2 | 177,304 | 1/2 | 169,216 | 1/2 | 161,113 | 1/2 | 153,010 | 1/2 | 143,754 | 1/2 | 128,740 | 1/2 | 113,683 | 1/2 | 98,595  |
| 3/4 |       | 3/4 | 184,810 | 3/4 | 177,136 | 3/4 | 169,047 | 3/4 | 160,944 | 3/4 | 152,841 | 3/4 | 143,441 | 3/4 | 128,427 | 3/4 | 113,368 | 3/4 | 98,280  |
| 2   |       | 2   | 184,723 | 2   | 176,968 | 2   | 168,878 | 2   | 160,775 | 2   | 152,672 | 2   | 143,128 | 2   | 128,113 | 2   | 113,054 | 2   | 97,966  |
| 1/4 |       | 1/4 | 184,635 | 1/4 | 176,800 | 1/4 | 168,710 | 1/4 | 160,607 | 1/4 | 152,504 | 1/4 | 142,815 | 1/4 | 127,800 | 1/4 | 112,740 | 1/4 | 97,652  |
| 1/2 |       | 1/2 | 184,547 | 1/2 | 176,632 | 1/2 | 168,541 | 1/2 | 160,438 | 1/2 | 152,335 | 1/2 | 142,502 | 1/2 | 127,486 | 1/2 | 112,425 | 1/2 | 97,337  |
| 3/4 |       | 3/4 | 184,407 | 3/4 | 176,463 | 3/4 | 168,372 | 3/4 | 160,269 | 3/4 | 152,166 | 3/4 | 142,189 | 3/4 | 127,173 | 3/4 | 112,111 | 3/4 | 97,023  |
| 3   |       | 3   | 184,266 | 3   | 176,295 | 3   | 168,203 | 3   | 160,100 | 3   | 151,997 | 3   | 141,876 | 3   | 126,859 | 3   | 111,797 | 3   | 96,708  |
| 1/4 |       | 1/4 | 184,126 | 1/4 | 176,127 | 1/4 | 168,034 | 1/4 | 159,931 | 1/4 | 151,828 | 1/4 | 141,563 | 1/4 | 126,546 | 1/4 | 111,483 | 1/4 | 96,394  |
| 1/2 |       | 1/2 | 183,986 | 1/2 | 175,959 | 1/2 | 167,865 | 1/2 | 159,762 | 1/2 | 151,659 | 1/2 | 141,250 | 1/2 | 126,233 | 1/2 | 111,168 | 1/2 | 96,080  |
| 3/4 |       | 3/4 | 183,821 | 3/4 | 175,791 | 3/4 | 167,697 | 3/4 | 159,594 | 3/4 | 151,491 | 3/4 | 140,937 | 3/4 | 125,919 | 3/4 | 110,854 | 3/4 | 95,765  |
| 4   |       | 4   | 183,656 | 4   | 175,622 | 4   | 167,528 | 4   | 159,425 | 4   | 151,322 | 4   | 140,624 | 4   | 125,606 | 4   | 110,540 | 4   | 95,451  |
| 1/4 |       | 1/4 | 183,490 | 1/4 | 175,454 | 1/4 | 167,359 | 1/4 | 159,256 | 1/4 | 151,153 | 1/4 | 140,311 | 1/4 | 125,292 | 1/4 | 110,225 | 1/4 | 95,137  |
| 1/2 |       | 1/2 | 183,325 | 1/2 | 175,286 | 1/2 | 167,190 | 1/2 | 159,087 | 1/2 | 150,984 | 1/2 | 139,998 | 1/2 | 124,979 | 1/2 | 109,911 | 1/2 | 94,822  |
| 3/4 |       | 3/4 | 183,159 | 3/4 | 175,118 | 3/4 | 167,021 | 3/4 | 158,918 | 3/4 | 150,815 | 3/4 | 139,685 | 3/4 | 124,665 | 3/4 | 109,597 | 3/4 | 94,508  |
| 5   |       | 5   | 182,993 | 5   | 174,950 | 5   | 166,853 | 5   | 158,750 | 5   | 150,647 | 5   | 139,372 | 5   | 124,352 | 5   | 109,283 | 5   | 94,194  |
| 1/4 |       | 1/4 | 182,827 | 1/4 | 174,781 | 1/4 | 166,684 | 1/4 | 158,581 | 1/4 | 150,478 | 1/4 | 139,059 | 1/4 | 124,039 | 1/4 | 108,968 | 1/4 | 93,879  |
| 1/2 |       | 1/2 | 182,661 | 1/2 | 174,613 | 1/2 | 166,515 | 1/2 | 158,412 | 1/2 | 150,309 | 1/2 | 138,746 | 1/2 | 123,725 | 1/2 | 108,654 | 1/2 | 93,565  |
| 3/4 |       | 3/4 | 182,494 | 3/4 | 174,445 | 3/4 | 166,346 | 3/4 | 158,243 | 3/4 | 150,140 | 3/4 | 138,434 | 3/4 | 123,412 | 3/4 | 108,340 | 3/4 | 93,251  |
| 6   |       | 6   | 182,328 | 6   | 174,277 | 6   | 166,177 | 6   | 158,074 | 6   | 149,971 | 6   | 138,121 | 6   | 123,098 | 6   | 108,025 | 6   | 92,936  |
| 1/4 |       | 1/4 | 182,161 | 1/4 | 174,109 | 1/4 | 166,009 | 1/4 | 157,906 | 1/4 | 149,802 | 1/4 | 137,809 | 1/4 | 122,785 | 1/4 | 107,711 | 1/4 | 92,622  |
| 1/2 |       | 1/2 | 181,995 | 1/2 | 173,940 | 1/2 | 165,840 | 1/2 | 157,737 | 1/2 | 149,634 | 1/2 | 137,497 | 1/2 | 122,471 | 1/2 | 107,397 | 1/2 | 92,307  |
| 3/4 |       | 3/4 | 181,828 | 3/4 | 173,772 | 3/4 | 165,671 | 3/4 | 157,568 | 3/4 | 149,465 | 3/4 | 137,184 | 3/4 | 122,158 | 3/4 | 107,082 | 3/4 | 91,993  |
| 7   |       | 7   | 181,661 | 7   | 173,604 | 7   | 165,502 | 7   | 157,399 | 7   | 149,296 | 7   | 136,872 | 7   | 121,844 | 7   | 106,768 | 7   | 91,679  |
| 1/4 |       | 1/4 | 181,495 | 1/4 | 173,436 | 1/4 | 165,333 | 1/4 | 157,230 | 1/4 | 149,127 | 1/4 | 136,560 | 1/4 | 121,531 | 1/4 | 106,453 | 1/4 | 91,364  |
| 1/2 |       | 1/2 | 181,328 | 1/2 | 173,268 | 1/2 | 165,164 | 1/2 | 157,061 | 1/2 | 148,958 | 1/2 | 136,247 | 1/2 | 121,218 | 1/2 | 106,139 | 1/2 | 91,050  |
| 3/4 |       | 3/4 | 181,162 | 3/4 | 173,099 | 3/4 | 164,996 | 3/4 | 156,893 | 3/4 | 148,790 | 3/4 | 135,935 | 3/4 | 120,904 | 3/4 | 105,825 | 3/4 | 90,736  |
| 8   |       | 8   | 180,995 | 8   | 172,930 | 8   | 164,827 | 8   | 156,724 | 8   | 148,621 | 8   | 135,623 | 8   | 120,590 | 8   | 105,510 | 8   | 90,421  |
| 1/4 |       | 1/4 | 180,828 | 1/4 | 172,761 | 1/4 | 164,658 | 1/4 | 156,555 | 1/4 | 148,452 | 1/4 | 135,310 | 1/4 | 120,276 | 1/4 | 105,196 | 1/4 | 90,107  |
| 1/2 |       | 1/2 | 180,662 | 1/2 | 172,592 | 1/2 | 164,489 | 1/2 | 156,386 | 1/2 | 148,283 | 1/2 | 134,998 | 1/2 | 119,962 | 1/2 | 104,882 | 1/2 | 89,793  |
| 3/4 |       | 3/4 | 180,495 | 3/4 | 172,423 | 3/4 | 164,320 | 3/4 | 156,217 | 3/4 | 148,114 | 3/4 | 134,686 | 3/4 | 119,649 | 3/4 | 104,567 | 3/4 | 89,478  |
| 9   |       | 9   | 180,329 | 9   | 172,255 | 9   | 164,152 | 9   | 156,049 | 9   | 147,946 | 9   | 134,373 | 9   | 119,335 | 9   | 104,253 | 9   | 89,164  |
| 1/4 |       | 1/4 | 180,162 | 1/4 | 172,086 | 1/4 | 163,983 | 1/4 | 155,880 | 1/4 | 147,777 | 1/4 | 134,061 | 1/4 | 119,021 | 1/4 | 103,939 | 1/4 | 88,850  |
| 1/2 |       | 1/2 | 179,996 | 1/2 | 171,917 | 1/2 | 163,814 | 1/2 | 155,711 | 1/2 | 147,608 | 1/2 | 133,749 | 1/2 | 118,707 | 1/2 | 103,624 | 1/2 | 88,535  |
| 3/4 |       | 3/4 | 179,827 | 3/4 | 171,748 | 3/4 | 163,645 | 3/4 | 155,542 | 3/4 | 147,439 | 3/4 | 133,437 | 3/4 | 118,394 | 3/4 | 103,310 | 3/4 | 88,221  |
| 10  |       | 10  | 179,659 | 10  | 171,579 | 10  | 163,476 | 10  | 155,373 | 10  | 147,270 | 10  | 133,124 | 10  | 118,080 | 10  | 102,996 | 10  | 87,906  |
| 1/4 |       | 1/4 | 179,491 | 1/4 | 171,411 | 1/4 | 163,308 | 1/4 | 155,205 | 1/4 | 147,101 | 1/4 | 132,812 | 1/4 | 117,766 | 1/4 | 102,681 | 1/4 | 87,592  |
| 1/2 |       | 1/2 | 179,323 | 1/2 | 171,242 | 1/2 | 163,139 | 1/2 | 155,036 | 1/2 | 146,933 | 1/2 | 132,500 | 1/2 | 117,452 | 1/2 | 102,367 | 1/2 | 87,278  |
| 3/4 |       | 3/4 | 179,155 | 3/4 | 171,073 | 3/4 | 162,970 | 3/4 | 154,867 | 3/4 | 146,764 | 3/4 | 132,187 | 3/4 | 117,139 | 3/4 | 102,052 | 3/4 | 86,963  |
| 11  |       | 11  | 178,986 | 11  | 170,904 | 11  | 162,801 | 11  | 154,698 | 11  | 146,595 | 11  | 131,875 | 11  | 116,825 | 11  | 101,738 | 11  | 86,649  |
| 1/4 |       | 1/4 | 178,818 | 1/4 | 170,735 | 1/4 | 162,632 | 1/4 | 154,529 | 1/4 | 146,426 | 1/4 | 131,563 | 1/4 | 116,511 | 1/4 | 101,424 | 1/4 | 86,335  |
| 1/2 |       | 1/2 | 178,650 | 1/2 | 170,566 | 1/2 | 162,463 | 1/2 | 154,360 | 1/2 | 146,257 | 1/2 | 131,250 | 1/2 | 116,197 | 1/2 | 101,109 | 1/2 | 86,020  |
| 3/4 |       | 3/4 | 178,482 | 3/4 | 170,398 | 3/4 | 162,295 | 3/4 | 154,192 | 3/4 | 145,944 | 3/4 | 130,936 | 3/4 | 115,883 | 3/4 | 100,795 | 3/4 | 85,706  |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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# BARGE "CBC 386"

**3 STBD**  
**ULLAGE TABLE**

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

| IN  | 10 FT. | IN  | 11 FT. | IN  | 12 FT. | IN  | 13 FT. | IN  | 14 FT. | IN  | 15 FT. | IN  | 16 FT. | IN  | 17 FT. | IN  | 18 FT. | IN  | 19 FT. |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0   | 85,392 | 0   | 70,299 | 0   | 55,264 | 0   | 40,599 | 0   | 25,796 | 0   | 10,699 | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 85,077 | 1/4 | 69,985 | 1/4 | 54,952 | 1/4 | 40,298 | 1/4 | 25,481 | 1/4 | 10,385 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 84,763 | 1/2 | 69,670 | 1/2 | 54,640 | 1/2 | 39,998 | 1/2 | 25,167 | 1/2 | 10,070 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 84,449 | 3/4 | 69,356 | 3/4 | 54,328 | 3/4 | 39,698 | 3/4 | 24,852 | 3/4 | 9,756  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 84,134 | 1   | 69,041 | 1   | 54,016 | 1   | 39,397 | 1   | 24,538 | 1   | 9,441  | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 83,820 | 1/4 | 68,727 | 1/4 | 53,704 | 1/4 | 39,097 | 1/4 | 24,223 | 1/4 | 9,127  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 83,505 | 1/2 | 68,413 | 1/2 | 53,393 | 1/2 | 38,797 | 1/2 | 23,909 | 1/2 | 8,812  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 83,191 | 3/4 | 68,098 | 3/4 | 53,081 | 3/4 | 38,496 | 3/4 | 23,594 | 3/4 | 8,497  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 82,876 | 2   | 67,784 | 2   | 52,769 | 2   | 38,196 | 2   | 23,280 | 2   | 8,183  | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 82,562 | 1/4 | 67,469 | 1/4 | 52,457 | 1/4 | 37,895 | 1/4 | 22,965 | 1/4 | 7,868  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 82,248 | 1/2 | 67,155 | 1/2 | 52,145 | 1/2 | 37,595 | 1/2 | 22,651 | 1/2 | 7,554  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 81,933 | 3/4 | 66,840 | 3/4 | 51,834 | 3/4 | 37,294 | 3/4 | 22,336 | 3/4 | 7,239  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 81,619 | 3   | 66,526 | 3   | 51,523 | 3   | 36,992 | 3   | 22,022 | 3   | 6,925  | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 81,304 | 1/4 | 66,212 | 1/4 | 51,212 | 1/4 | 36,691 | 1/4 | 21,707 | 1/4 | 6,611  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 80,990 | 1/2 | 65,897 | 1/2 | 50,901 | 1/2 | 36,389 | 1/2 | 21,393 | 1/2 | 6,296  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 80,675 | 3/4 | 65,583 | 3/4 | 50,590 | 3/4 | 36,088 | 3/4 | 21,078 | 3/4 | 5,982  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 80,361 | 4   | 65,268 | 4   | 50,279 | 4   | 35,787 | 4   | 20,764 | 4   | 5,667  | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 80,046 | 1/4 | 64,954 | 1/4 | 49,968 | 1/4 | 35,485 | 1/4 | 20,449 | 1/4 | 5,353  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 79,732 | 1/2 | 64,639 | 1/2 | 49,657 | 1/2 | 35,184 | 1/2 | 20,135 | 1/2 | 5,039  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 79,418 | 3/4 | 64,325 | 3/4 | 49,344 | 3/4 | 34,881 | 3/4 | 19,820 | 3/4 | 4,726  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 79,103 | 5   | 64,011 | 5   | 49,032 | 5   | 34,579 | 5   | 19,506 | 5   | 4,413  | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 78,789 | 1/4 | 63,696 | 1/4 | 48,720 | 1/4 | 34,276 | 1/4 | 19,191 | 1/4 | 4,100  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 78,474 | 1/2 | 63,382 | 1/2 | 48,407 | 1/2 | 33,973 | 1/2 | 18,877 | 1/2 | 3,787  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 78,160 | 3/4 | 63,067 | 3/4 | 48,107 | 3/4 | 33,659 | 3/4 | 18,562 | 3/4 | 3,499  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 77,845 | 6   | 62,753 | 6   | 47,807 | 6   | 33,344 | 6   | 18,248 | 6   | 3,211  | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 77,531 | 1/4 | 62,438 | 1/4 | 47,506 | 1/4 | 33,030 | 1/4 | 17,933 | 1/4 | 2,923  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 77,217 | 1/2 | 62,124 | 1/2 | 47,206 | 1/2 | 32,715 | 1/2 | 17,618 | 1/2 | 2,636  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 76,902 | 3/4 | 61,812 | 3/4 | 46,906 | 3/4 | 32,401 | 3/4 | 17,304 | 3/4 | 2,400  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 76,588 | 7   | 61,500 | 7   | 46,605 | 7   | 32,086 | 7   | 16,989 | 7   | 2,164  | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 76,273 | 1/4 | 61,188 | 1/4 | 46,305 | 1/4 | 31,772 | 1/4 | 16,675 | 1/4 | 1,928  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 75,959 | 1/2 | 60,877 | 1/2 | 46,005 | 1/2 | 31,457 | 1/2 | 16,360 | 1/2 | 1,692  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 75,644 | 3/4 | 60,565 | 3/4 | 45,704 | 3/4 | 31,143 | 3/4 | 16,046 | 3/4 | 1,509  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 75,330 | 8   | 60,253 | 8   | 45,404 | 8   | 30,828 | 8   | 15,731 | 8   | 1,325  | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 75,016 | 1/4 | 59,941 | 1/4 | 45,104 | 1/4 | 30,514 | 1/4 | 15,417 | 1/4 | 1,141  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 74,701 | 1/2 | 59,629 | 1/2 | 44,803 | 1/2 | 30,199 | 1/2 | 15,102 | 1/2 | 958    | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 74,387 | 3/4 | 59,317 | 3/4 | 44,503 | 3/4 | 29,885 | 3/4 | 14,788 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 74,072 | 9   | 59,006 | 9   | 44,203 | 9   | 29,570 | 9   | 14,473 | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 73,758 | 1/4 | 58,694 | 1/4 | 43,902 | 1/4 | 29,256 | 1/4 | 14,159 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 73,443 | 1/2 | 58,382 | 1/2 | 43,602 | 1/2 | 28,941 | 1/2 | 13,844 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 73,129 | 3/4 | 58,070 | 3/4 | 43,302 | 3/4 | 28,627 | 3/4 | 13,530 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 72,815 | 10  | 57,758 | 10  | 43,001 | 10  | 28,312 | 10  | 13,215 | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 72,500 | 1/4 | 57,446 | 1/4 | 42,701 | 1/4 | 27,998 | 1/4 | 12,901 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 72,186 | 1/2 | 57,135 | 1/2 | 42,401 | 1/2 | 27,683 | 1/2 | 12,586 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 71,871 | 3/4 | 56,823 | 3/4 | 42,100 | 3/4 | 27,369 | 3/4 | 12,272 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 71,557 | 11  | 56,511 | 11  | 41,800 | 11  | 27,054 | 11  | 11,957 | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 71,242 | 1/4 | 56,199 | 1/4 | 41,500 | 1/4 | 26,739 | 1/4 | 11,643 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 70,928 | 1/2 | 55,887 | 1/2 | 41,199 | 1/2 | 26,425 | 1/2 | 11,328 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 70,614 | 3/4 | 55,575 | 3/4 | 40,899 | 3/4 | 26,110 | 3/4 | 11,014 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/18/2013 CL  
CALCULATED: 09/18/2013 CL  
PRINTED: 09/18/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2013

PRECISION MEASUREMENT  
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