



# BARGE "CBC 1345"

## INNAGE TRIM TABLE

|          | 1 FT.      |              | 2 FT.      |              | 3 FT.      |              | 4 FT.      |              | 5 FT.      |              | 6 FT.      |              |
|----------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|
|          | <u>BOW</u> | <u>STERN</u> |
| 1 CENTER | 00-0/8     | - 00-0/8     | 00-0/8     | - 00-0/8     | 00-0/8     | - 00-0/8     | 00-1/8     | - 00-1/8     | 00-1/8     | - 00-1/8     | 00-1/8     | - 00-1/8     |
| 2 CENTER | 00-0/8     | - 00-0/8     | 00-1/8     | - 00-1/8     | 00-1/8     | - 00-1/8     | 00-1/8     | - 00-1/8     | 00-1/8     | - 00-1/8     | 00-1/4     | - 00-1/4     |
| 3 CENTER | 00-1/4     | - 00-1/4     | 00-3/8     | - 00-3/8     | 00-5/8     | - 00-5/8     | 00-7/8     | - 00-7/8     | 01-1/8     | - 01-1/8     | 01-1/4     | - 01-1/4     |

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 3 CENTER IS - 00-3/8"  
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 3 CENTER, THE TRIM CORRECTED INNAGE IS 3'-11 5/8"

LENGTH BETWEEN DRAFT MARKS: 161'-09"

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PRECISION MEASUREMENT  
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# BARGE "CBC 1345"

# 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 3/4"

| IN  | 0 FT. | IN  | 1 FT.  | IN  | 2 FT.  | IN  | 3 FT.  | IN  | 4 FT.  | IN  | 5 FT.  | IN  | 6 FT.  | IN  | 7 FT.  | IN  | 8 FT.  | IN  | 9 FT.   |
|-----|-------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|---------|
| 0   | 39    | 0   | 8,089  | 0   | 18,876 | 0   | 29,512 | 0   | 40,177 | 0   | 50,936 | 0   | 61,694 | 0   | 72,430 | 0   | 83,167 | 0   | 93,929  |
| 1/4 | 58    | 1/4 | 8,314  | 1/4 | 19,101 | 1/4 | 29,730 | 1/4 | 40,402 | 1/4 | 51,160 | 1/4 | 61,919 | 1/4 | 72,652 | 1/4 | 83,391 | 1/4 | 94,153  |
| 1/2 | 77    | 1/2 | 8,539  | 1/2 | 19,325 | 1/2 | 29,949 | 1/2 | 40,626 | 1/2 | 51,384 | 1/2 | 62,143 | 1/2 | 72,875 | 1/2 | 83,615 | 1/2 | 94,377  |
| 3/4 | 96    | 3/4 | 8,764  | 3/4 | 19,550 | 3/4 | 30,167 | 3/4 | 40,850 | 3/4 | 51,608 | 3/4 | 62,367 | 3/4 | 73,098 | 3/4 | 83,839 | 3/4 | 94,601  |
| 1   | 114   | 1   | 8,988  | 1   | 19,775 | 1   | 30,385 | 1   | 41,074 | 1   | 51,832 | 1   | 62,591 | 1   | 73,321 | 1   | 84,064 | 1   | 94,825  |
| 1/4 | 170   | 1/4 | 9,213  | 1/4 | 19,999 | 1/4 | 30,604 | 1/4 | 41,298 | 1/4 | 52,057 | 1/4 | 62,815 | 1/4 | 73,544 | 1/4 | 84,288 | 1/4 | 95,050  |
| 1/2 | 227   | 1/2 | 9,438  | 1/2 | 20,224 | 1/2 | 30,822 | 1/2 | 41,522 | 1/2 | 52,281 | 1/2 | 63,039 | 1/2 | 73,766 | 1/2 | 84,512 | 1/2 | 95,274  |
| 3/4 | 283   | 3/4 | 9,662  | 3/4 | 20,449 | 3/4 | 31,040 | 3/4 | 41,746 | 3/4 | 52,505 | 3/4 | 63,263 | 3/4 | 73,989 | 3/4 | 84,736 | 3/4 | 95,498  |
| 2   | 339   | 2   | 9,887  | 2   | 20,674 | 2   | 31,259 | 2   | 41,971 | 2   | 52,729 | 2   | 63,487 | 2   | 74,212 | 2   | 84,960 | 2   | 95,722  |
| 1/4 | 433   | 1/4 | 10,112 | 1/4 | 20,898 | 1/4 | 31,477 | 1/4 | 42,195 | 1/4 | 52,953 | 1/4 | 63,712 | 1/4 | 74,435 | 1/4 | 85,185 | 1/4 | 95,946  |
| 1/2 | 526   | 1/2 | 10,337 | 1/2 | 21,123 | 1/2 | 31,695 | 1/2 | 42,419 | 1/2 | 53,177 | 1/2 | 63,936 | 1/2 | 74,658 | 1/2 | 85,409 | 1/2 | 96,171  |
| 3/4 | 620   | 3/4 | 10,561 | 3/4 | 21,348 | 3/4 | 31,913 | 3/4 | 42,643 | 3/4 | 53,401 | 3/4 | 64,160 | 3/4 | 74,880 | 3/4 | 85,633 | 3/4 | 96,395  |
| 3   | 713   | 3   | 10,786 | 3   | 21,572 | 3   | 32,132 | 3   | 42,867 | 3   | 53,626 | 3   | 64,384 | 3   | 75,103 | 3   | 85,857 | 3   | 96,619  |
| 1/4 | 844   | 1/4 | 11,011 | 1/4 | 21,797 | 1/4 | 32,350 | 1/4 | 43,091 | 1/4 | 53,850 | 1/4 | 64,608 | 1/4 | 75,326 | 1/4 | 86,081 | 1/4 | 96,843  |
| 1/2 | 976   | 1/2 | 11,235 | 1/2 | 22,022 | 1/2 | 32,568 | 1/2 | 43,315 | 1/2 | 54,074 | 1/2 | 64,832 | 1/2 | 75,549 | 1/2 | 86,306 | 1/2 | 97,067  |
| 3/4 | 1,107 | 3/4 | 11,460 | 3/4 | 22,247 | 3/4 | 32,787 | 3/4 | 43,539 | 3/4 | 54,298 | 3/4 | 65,056 | 3/4 | 75,771 | 3/4 | 86,530 | 3/4 | 97,292  |
| 4   | 1,238 | 4   | 11,685 | 4   | 22,471 | 4   | 33,005 | 4   | 43,764 | 4   | 54,522 | 4   | 65,281 | 4   | 75,994 | 4   | 86,754 | 4   | 97,516  |
| 1/4 | 1,406 | 1/4 | 11,910 | 1/4 | 22,696 | 1/4 | 33,229 | 1/4 | 43,988 | 1/4 | 54,746 | 1/4 | 65,505 | 1/4 | 76,218 | 1/4 | 86,978 | 1/4 | 97,740  |
| 1/2 | 1,575 | 1/2 | 12,134 | 1/2 | 22,921 | 1/2 | 33,453 | 1/2 | 44,212 | 1/2 | 54,970 | 1/2 | 65,729 | 1/2 | 76,441 | 1/2 | 87,203 | 1/2 | 97,964  |
| 3/4 | 1,743 | 3/4 | 12,359 | 3/4 | 23,145 | 3/4 | 33,678 | 3/4 | 44,436 | 3/4 | 55,194 | 3/4 | 65,953 | 3/4 | 76,665 | 3/4 | 87,427 | 3/4 | 98,189  |
| 5   | 1,912 | 5   | 12,584 | 5   | 23,370 | 5   | 33,902 | 5   | 44,660 | 5   | 55,419 | 5   | 66,177 | 5   | 76,888 | 5   | 87,651 | 5   | 98,413  |
| 1/4 | 2,117 | 1/4 | 12,809 | 1/4 | 23,595 | 1/4 | 34,126 | 1/4 | 44,884 | 1/4 | 55,643 | 1/4 | 66,401 | 1/4 | 77,112 | 1/4 | 87,875 | 1/4 | 98,637  |
| 1/2 | 2,322 | 1/2 | 13,033 | 1/2 | 23,820 | 1/2 | 34,350 | 1/2 | 45,108 | 1/2 | 55,867 | 1/2 | 66,625 | 1/2 | 77,337 | 1/2 | 88,099 | 1/2 | 98,861  |
| 3/4 | 2,528 | 3/4 | 13,258 | 3/4 | 24,044 | 3/4 | 34,574 | 3/4 | 45,333 | 3/4 | 56,091 | 3/4 | 66,850 | 3/4 | 77,561 | 3/4 | 88,324 | 3/4 | 99,085  |
| 6   | 2,733 | 6   | 13,483 | 6   | 24,269 | 6   | 34,798 | 6   | 45,557 | 6   | 56,315 | 6   | 67,074 | 6   | 77,785 | 6   | 88,548 | 6   | 99,310  |
| 1/4 | 2,953 | 1/4 | 13,707 | 1/4 | 24,488 | 1/4 | 35,022 | 1/4 | 45,781 | 1/4 | 56,539 | 1/4 | 67,297 | 1/4 | 78,009 | 1/4 | 88,772 | 1/4 | 99,534  |
| 1/2 | 3,174 | 1/2 | 13,932 | 1/2 | 24,706 | 1/2 | 35,246 | 1/2 | 46,005 | 1/2 | 56,763 | 1/2 | 67,521 | 1/2 | 78,234 | 1/2 | 88,996 | 1/2 | 99,758  |
| 3/4 | 3,394 | 3/4 | 14,157 | 3/4 | 24,925 | 3/4 | 35,471 | 3/4 | 46,229 | 3/4 | 56,988 | 3/4 | 67,744 | 3/4 | 78,458 | 3/4 | 89,220 | 3/4 | 99,982  |
| 7   | 3,614 | 7   | 14,382 | 7   | 25,144 | 7   | 35,695 | 7   | 46,453 | 7   | 57,212 | 7   | 67,968 | 7   | 78,682 | 7   | 89,445 | 7   | 100,206 |
| 1/4 | 3,836 | 1/4 | 14,606 | 1/4 | 25,363 | 1/4 | 35,919 | 1/4 | 46,677 | 1/4 | 57,436 | 1/4 | 68,191 | 1/4 | 78,906 | 1/4 | 89,669 | 1/4 | 100,431 |
| 1/2 | 4,058 | 1/2 | 14,831 | 1/2 | 25,581 | 1/2 | 36,143 | 1/2 | 46,901 | 1/2 | 57,660 | 1/2 | 68,415 | 1/2 | 79,131 | 1/2 | 89,893 | 1/2 | 100,655 |
| 3/4 | 4,281 | 3/4 | 15,056 | 3/4 | 25,800 | 3/4 | 36,367 | 3/4 | 47,126 | 3/4 | 57,884 | 3/4 | 68,638 | 3/4 | 79,355 | 3/4 | 90,117 | 3/4 | 100,879 |
| 8   | 4,503 | 8   | 15,280 | 8   | 26,019 | 8   | 36,591 | 8   | 47,350 | 8   | 58,108 | 8   | 68,862 | 8   | 79,579 | 8   | 90,341 | 8   | 101,103 |
| 1/4 | 4,726 | 1/4 | 15,505 | 1/4 | 26,237 | 1/4 | 36,815 | 1/4 | 47,574 | 1/4 | 58,332 | 1/4 | 69,086 | 1/4 | 79,803 | 1/4 | 90,566 | 1/4 | 101,327 |
| 1/2 | 4,950 | 1/2 | 15,730 | 1/2 | 26,455 | 1/2 | 37,040 | 1/2 | 47,798 | 1/2 | 58,557 | 1/2 | 69,309 | 1/2 | 80,028 | 1/2 | 90,790 | 1/2 | 101,552 |
| 3/4 | 5,173 | 3/4 | 15,955 | 3/4 | 26,674 | 3/4 | 37,264 | 3/4 | 48,022 | 3/4 | 58,781 | 3/4 | 69,533 | 3/4 | 80,252 | 3/4 | 91,014 | 3/4 | 101,776 |
| 9   | 5,396 | 9   | 16,179 | 9   | 26,892 | 9   | 37,488 | 9   | 48,246 | 9   | 59,005 | 9   | 69,756 | 9   | 80,476 | 9   | 91,238 | 9   | 102,000 |
| 1/4 | 5,620 | 1/4 | 16,404 | 1/4 | 27,110 | 1/4 | 37,712 | 1/4 | 48,470 | 1/4 | 59,229 | 1/4 | 69,979 | 1/4 | 80,700 | 1/4 | 91,462 | 1/4 | 102,224 |
| 1/2 | 5,844 | 1/2 | 16,629 | 1/2 | 27,329 | 1/2 | 37,936 | 1/2 | 48,695 | 1/2 | 59,453 | 1/2 | 70,202 | 1/2 | 80,924 | 1/2 | 91,687 | 1/2 | 102,448 |
| 3/4 | 6,069 | 3/4 | 16,853 | 3/4 | 27,547 | 3/4 | 38,160 | 3/4 | 48,919 | 3/4 | 59,677 | 3/4 | 70,425 | 3/4 | 81,149 | 3/4 | 91,911 | 3/4 | 102,673 |
| 10  | 6,293 | 10  | 17,078 | 10  | 27,765 | 10  | 38,384 | 10  | 49,143 | 10  | 59,901 | 10  | 70,647 | 10  | 81,373 | 10  | 92,135 | 10  | 102,897 |
| 1/4 | 6,517 | 1/4 | 17,303 | 1/4 | 27,984 | 1/4 | 38,608 | 1/4 | 49,367 | 1/4 | 60,125 | 1/4 | 70,870 | 1/4 | 81,597 | 1/4 | 92,359 | 1/4 | 103,121 |
| 1/2 | 6,742 | 1/2 | 17,528 | 1/2 | 28,202 | 1/2 | 38,833 | 1/2 | 49,591 | 1/2 | 60,350 | 1/2 | 71,093 | 1/2 | 81,821 | 1/2 | 92,583 | 1/2 | 103,345 |
| 3/4 | 6,966 | 3/4 | 17,752 | 3/4 | 28,420 | 3/4 | 39,057 | 3/4 | 49,815 | 3/4 | 60,574 | 3/4 | 71,316 | 3/4 | 82,046 | 3/4 | 92,808 | 3/4 | 103,569 |
| 11  | 7,191 | 11  | 17,977 | 11  | 28,639 | 11  | 39,281 | 11  | 50,039 | 11  | 60,798 | 11  | 71,539 | 11  | 82,270 | 11  | 93,032 | 11  | 103,794 |
| 1/4 | 7,415 | 1/4 | 18,202 | 1/4 | 28,857 | 1/4 | 39,505 | 1/4 | 50,264 | 1/4 | 61,022 | 1/4 | 71,761 | 1/4 | 82,494 | 1/4 | 93,256 | 1/4 | 104,018 |
| 1/2 | 7,640 | 1/2 | 18,426 | 1/2 | 29,075 | 1/2 | 39,729 | 1/2 | 50,488 | 1/2 | 61,246 | 1/2 | 71,984 | 1/2 | 82,718 | 1/2 | 93,480 | 1/2 | 104,242 |
| 3/4 | 7,865 | 3/4 | 18,651 | 3/4 | 29,294 | 3/4 | 39,953 | 3/4 | 50,712 | 3/4 | 61,470 | 3/4 | 72,207 | 3/4 | 82,943 | 3/4 | 93,704 | 3/4 | 104,466 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

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

PRECISION MEASUREMENT  
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# BARGE "CBC 1345"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 3/4"

| IN  | 10 FT.  | IN  | 11 FT.  | IN  | 12 FT.  | IN  | 13 FT.  | IN  | 14 FT.  | IN  | 15 FT. | IN  | 16 FT. | IN  | 17 FT. | IN  | 18 FT. | IN  | 19 FT. |
|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0   | 104,690 | 0   | 114,789 | 0   | 124,247 | 0   | 133,662 | 0   | 143,062 | 0   |        | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 104,914 | 1/4 | 114,986 | 1/4 | 124,443 | 1/4 | 133,859 | 1/4 | 143,256 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 105,138 | 1/2 | 115,183 | 1/2 | 124,640 | 1/2 | 134,055 | 1/2 | 143,451 | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 105,362 | 3/4 | 115,380 | 3/4 | 124,836 | 3/4 | 134,252 | 3/4 | 143,645 | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 1   | 105,586 | 1   | 115,577 | 1   | 125,033 | 1   | 134,448 | 1   | 143,839 | 1   | 1      | 1   | 1      | 1   | 1      | 1   | 1      | 1   | 1      |
| 1/4 | 105,810 | 1/4 | 115,774 | 1/4 | 125,229 | 1/4 | 134,645 | 1/4 | 144,034 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 106,034 | 1/2 | 115,971 | 1/2 | 125,426 | 1/2 | 134,841 | 1/2 | 144,228 | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 106,258 | 3/4 | 116,168 | 3/4 | 125,622 | 3/4 | 135,038 | 3/4 | 144,423 | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 2   | 106,482 | 2   | 116,365 | 2   | 125,819 | 2   | 135,234 | 2   | 144,617 | 2   | 2      | 2   | 2      | 2   | 2      | 2   | 2      | 2   | 2      |
| 1/4 | 106,706 | 1/4 | 116,562 | 1/4 | 126,015 | 1/4 | 135,431 | 1/4 | 144,820 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 106,930 | 1/2 | 116,759 | 1/2 | 126,212 | 1/2 | 135,627 | 1/2 | 145,024 | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 107,154 | 3/4 | 116,956 | 3/4 | 126,408 | 3/4 | 135,824 | 3/4 | 145,227 | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 3   | 107,378 | 3   | 117,153 | 3   | 126,605 | 3   | 136,020 | 3   | 145,430 | 3   | 3      | 3   | 3      | 3   | 3      | 3   | 3      | 3   | 3      |
| 1/4 | 107,602 | 1/4 | 117,350 | 1/4 | 126,801 | 1/4 | 136,217 | 1/4 | 145,596 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 107,826 | 1/2 | 117,548 | 1/2 | 126,998 | 1/2 | 136,413 | 1/2 | 145,762 | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 108,050 | 3/4 | 117,745 | 3/4 | 127,194 | 3/4 | 136,610 | 3/4 | 145,928 | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 4   | 108,274 | 4   | 117,942 | 4   | 127,391 | 4   | 136,806 | 4   | 146,094 | 4   | 4      | 4   | 4      | 4   | 4      | 4   | 4      | 4   | 4      |
| 1/4 | 108,498 | 1/4 | 118,139 | 1/4 | 127,587 | 1/4 | 137,003 | 1/4 | 146,222 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 108,722 | 1/2 | 118,336 | 1/2 | 127,784 | 1/2 | 137,199 | 1/2 | 146,351 | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 108,946 | 3/4 | 118,533 | 3/4 | 127,980 | 3/4 | 137,396 | 3/4 | 146,479 | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 5   | 109,170 | 5   | 118,730 | 5   | 128,177 | 5   | 137,592 | 5   | 146,608 | 5   | 5      | 5   | 5      | 5   | 5      | 5   | 5      | 5   | 5      |
| 1/4 | 109,394 | 1/4 | 118,927 | 1/4 | 128,373 | 1/4 | 137,789 | 1/4 | 146,699 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 109,617 | 1/2 | 119,124 | 1/2 | 128,570 | 1/2 | 137,986 | 1/2 | 146,790 | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 109,841 | 3/4 | 119,321 | 3/4 | 128,766 | 3/4 | 138,182 | 3/4 | 146,881 | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 6   | 110,065 | 6   | 119,518 | 6   | 128,963 | 6   | 138,379 | 6   | 146,972 | 6   | 6      | 6   | 6      | 6   | 6      | 6   | 6      | 6   | 6      |
| 1/4 | 110,262 | 1/4 | 119,715 | 1/4 | 129,159 | 1/4 | 138,575 | 1/4 | 147,025 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 110,459 | 1/2 | 119,912 | 1/2 | 129,355 | 1/2 | 138,772 | 1/2 | 147,079 | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 110,656 | 3/4 | 120,109 | 3/4 | 129,550 | 3/4 | 138,968 | 3/4 | 147,132 | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 7   | 110,853 | 7   | 120,306 | 7   | 129,746 | 7   | 139,165 | 7   | 147,186 | 7   | 7      | 7   | 7      | 7   | 7      | 7   | 7      | 7   | 7      |
| 1/4 | 111,049 | 1/4 | 120,503 | 1/4 | 129,942 | 1/4 | 139,361 | 1/4 | 147,202 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 111,246 | 1/2 | 120,700 | 1/2 | 130,138 | 1/2 | 139,558 | 1/2 | 147,218 | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 111,443 | 3/4 | 120,897 | 3/4 | 130,334 | 3/4 | 139,754 | 3/4 | 147,234 | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 8   | 111,640 | 8   | 121,094 | 8   | 130,529 | 8   | 139,951 | 8   | 147,250 | 8   | 8      | 8   | 8      | 8   | 8      | 8   | 8      | 8   | 8      |
| 1/4 | 111,837 | 1/4 | 121,291 | 1/4 | 130,725 | 1/4 | 140,145 | 1/4 |         | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 112,034 | 1/2 | 121,488 | 1/2 | 130,921 | 1/2 | 140,339 | 1/2 |         | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 112,230 | 3/4 | 121,685 | 3/4 | 131,117 | 3/4 | 140,534 | 3/4 |         | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 9   | 112,427 | 9   | 121,882 | 9   | 131,313 | 9   | 140,728 | 9   |         | 9   | 9      | 9   | 9      | 9   | 9      | 9   | 9      | 9   | 9      |
| 1/4 | 112,624 | 1/4 | 122,079 | 1/4 | 131,508 | 1/4 | 140,923 | 1/4 |         | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 112,821 | 1/2 | 122,276 | 1/2 | 131,704 | 1/2 | 141,117 | 1/2 |         | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 113,018 | 3/4 | 122,473 | 3/4 | 131,900 | 3/4 | 141,312 | 3/4 |         | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 10  | 113,214 | 10  | 122,670 | 10  | 132,096 | 10  | 141,506 | 10  |         | 10  | 10     | 10  | 10     | 10  | 10     | 10  | 10     | 10  | 10     |
| 1/4 | 113,411 | 1/4 | 122,867 | 1/4 | 132,292 | 1/4 | 141,701 | 1/4 |         | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 113,608 | 1/2 | 123,064 | 1/2 | 132,487 | 1/2 | 141,895 | 1/2 |         | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 113,805 | 3/4 | 123,261 | 3/4 | 132,683 | 3/4 | 142,089 | 3/4 |         | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 11  | 114,002 | 11  | 123,459 | 11  | 132,879 | 11  | 142,284 | 11  |         | 11  | 11     | 11  | 11     | 11  | 11     | 11  | 11     | 11  | 11     |
| 1/4 | 114,199 | 1/4 | 123,656 | 1/4 | 133,075 | 1/4 | 142,478 | 1/4 |         | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 114,395 | 1/2 | 123,853 | 1/2 | 133,271 | 1/2 | 142,673 | 1/2 |         | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 114,592 | 3/4 | 124,050 | 3/4 | 133,466 | 3/4 | 142,867 | 3/4 |         | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/21/2012 CL - SW  
CALCULATED: 03/21/2012 CL  
PRINTED: 03/21/2012 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2012

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



# BARGE "CBC 1345"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08"

| IN  | 0 FT. | IN  | 1 FT.  | IN  | 2 FT.  | IN  | 3 FT.  | IN  | 4 FT.  | IN  | 5 FT.  | IN  | 6 FT.  | IN  | 7 FT.  | IN  | 8 FT.   | IN  | 9 FT.   |
|-----|-------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|---------|-----|---------|
| 0   | 39    | 0   | 9,050  | 0   | 21,123 | 0   | 33,050 | 0   | 44,976 | 0   | 57,050 | 0   | 69,123 | 0   | 81,197 | 0   | 93,270  | 0   | 105,342 |
| 1/4 | 60    | 1/4 | 9,302  | 1/4 | 21,375 | 1/4 | 33,294 | 1/4 | 45,228 | 1/4 | 57,301 | 1/4 | 69,375 | 1/4 | 81,448 | 1/4 | 93,522  | 1/4 | 105,593 |
| 1/2 | 81    | 1/2 | 9,553  | 1/2 | 21,626 | 1/2 | 33,538 | 1/2 | 45,479 | 1/2 | 57,553 | 1/2 | 69,626 | 1/2 | 81,700 | 1/2 | 93,773  | 1/2 | 105,845 |
| 3/4 | 102   | 3/4 | 9,805  | 3/4 | 21,878 | 3/4 | 33,782 | 3/4 | 45,731 | 3/4 | 57,804 | 3/4 | 69,878 | 3/4 | 81,951 | 3/4 | 94,025  | 3/4 | 106,096 |
| 1   | 123   | 1   | 10,056 | 1   | 22,129 | 1   | 34,026 | 1   | 45,982 | 1   | 58,056 | 1   | 70,129 | 1   | 82,203 | 1   | 94,276  | 1   | 106,348 |
| 1/4 | 186   | 1/4 | 10,308 | 1/4 | 22,381 | 1/4 | 34,270 | 1/4 | 46,234 | 1/4 | 58,307 | 1/4 | 70,381 | 1/4 | 82,455 | 1/4 | 94,528  | 1/4 | 106,599 |
| 1/2 | 249   | 1/2 | 10,559 | 1/2 | 22,632 | 1/2 | 34,514 | 1/2 | 46,485 | 1/2 | 58,559 | 1/2 | 70,633 | 1/2 | 82,706 | 1/2 | 94,779  | 1/2 | 106,851 |
| 3/4 | 312   | 3/4 | 10,811 | 3/4 | 22,884 | 3/4 | 34,758 | 3/4 | 46,737 | 3/4 | 58,811 | 3/4 | 70,884 | 3/4 | 82,958 | 3/4 | 95,031  | 3/4 | 107,102 |
| 2   | 375   | 2   | 11,062 | 2   | 23,135 | 2   | 35,003 | 2   | 46,989 | 2   | 59,062 | 2   | 71,136 | 2   | 83,209 | 2   | 95,282  | 2   | 107,354 |
| 1/4 | 479   | 1/4 | 11,314 | 1/4 | 23,387 | 1/4 | 35,247 | 1/4 | 47,240 | 1/4 | 59,314 | 1/4 | 71,387 | 1/4 | 83,461 | 1/4 | 95,534  | 1/4 | 107,605 |
| 1/2 | 584   | 1/2 | 11,565 | 1/2 | 23,638 | 1/2 | 35,491 | 1/2 | 47,492 | 1/2 | 59,565 | 1/2 | 71,639 | 1/2 | 83,712 | 1/2 | 95,785  | 1/2 | 107,857 |
| 3/4 | 689   | 3/4 | 11,817 | 3/4 | 23,890 | 3/4 | 35,735 | 3/4 | 47,743 | 3/4 | 59,817 | 3/4 | 71,890 | 3/4 | 83,964 | 3/4 | 96,037  | 3/4 | 108,108 |
| 3   | 794   | 3   | 12,068 | 3   | 24,141 | 3   | 35,979 | 3   | 47,995 | 3   | 60,068 | 3   | 72,142 | 3   | 84,215 | 3   | 96,288  | 3   | 108,360 |
| 1/4 | 940   | 1/4 | 12,320 | 1/4 | 24,393 | 1/4 | 36,223 | 1/4 | 48,246 | 1/4 | 60,320 | 1/4 | 72,393 | 1/4 | 84,467 | 1/4 | 96,540  | 1/4 | 108,611 |
| 1/2 | 1,087 | 1/2 | 12,571 | 1/2 | 24,645 | 1/2 | 36,467 | 1/2 | 48,498 | 1/2 | 60,571 | 1/2 | 72,645 | 1/2 | 84,718 | 1/2 | 96,791  | 1/2 | 108,863 |
| 3/4 | 1,234 | 3/4 | 12,823 | 3/4 | 24,896 | 3/4 | 36,711 | 3/4 | 48,749 | 3/4 | 60,823 | 3/4 | 72,896 | 3/4 | 84,970 | 3/4 | 97,043  | 3/4 | 109,114 |
| 4   | 1,381 | 4   | 13,074 | 4   | 25,148 | 4   | 36,955 | 4   | 49,001 | 4   | 61,074 | 4   | 73,148 | 4   | 85,221 | 4   | 97,294  | 4   | 109,366 |
| 1/4 | 1,569 | 1/4 | 13,326 | 1/4 | 25,399 | 1/4 | 37,200 | 1/4 | 49,252 | 1/4 | 61,326 | 1/4 | 73,399 | 1/4 | 85,473 | 1/4 | 97,546  | 1/4 | 109,617 |
| 1/2 | 1,758 | 1/2 | 13,578 | 1/2 | 25,651 | 1/2 | 37,444 | 1/2 | 49,504 | 1/2 | 61,577 | 1/2 | 73,651 | 1/2 | 85,724 | 1/2 | 97,797  | 1/2 | 109,869 |
| 3/4 | 1,947 | 3/4 | 13,829 | 3/4 | 25,902 | 3/4 | 37,689 | 3/4 | 49,755 | 3/4 | 61,829 | 3/4 | 73,902 | 3/4 | 85,976 | 3/4 | 98,049  | 3/4 | 110,120 |
| 5   | 2,135 | 5   | 14,081 | 5   | 26,154 | 5   | 37,933 | 5   | 50,007 | 5   | 62,080 | 5   | 74,154 | 5   | 86,228 | 5   | 98,300  | 5   | 110,372 |
| 1/4 | 2,365 | 1/4 | 14,332 | 1/4 | 26,405 | 1/4 | 38,185 | 1/4 | 50,258 | 1/4 | 62,332 | 1/4 | 74,406 | 1/4 | 86,479 | 1/4 | 98,552  | 1/4 | 110,623 |
| 1/2 | 2,595 | 1/2 | 14,584 | 1/2 | 26,657 | 1/2 | 38,436 | 1/2 | 50,510 | 1/2 | 62,584 | 1/2 | 74,657 | 1/2 | 86,731 | 1/2 | 98,803  | 1/2 | 110,875 |
| 3/4 | 2,825 | 3/4 | 14,835 | 3/4 | 26,908 | 3/4 | 38,688 | 3/4 | 50,761 | 3/4 | 62,835 | 3/4 | 74,909 | 3/4 | 86,982 | 3/4 | 99,055  | 3/4 | 111,126 |
| 6   | 3,055 | 6   | 15,087 | 6   | 27,160 | 6   | 38,939 | 6   | 51,013 | 6   | 63,087 | 6   | 75,160 | 6   | 87,234 | 6   | 99,306  | 6   | 111,378 |
| 1/4 | 3,301 | 1/4 | 15,338 | 1/4 | 27,411 | 1/4 | 39,191 | 1/4 | 51,265 | 1/4 | 63,338 | 1/4 | 75,412 | 1/4 | 87,485 | 1/4 | 99,558  | 1/4 | 111,629 |
| 1/2 | 3,548 | 1/2 | 15,590 | 1/2 | 27,663 | 1/2 | 39,443 | 1/2 | 51,516 | 1/2 | 63,590 | 1/2 | 75,663 | 1/2 | 87,737 | 1/2 | 99,809  | 1/2 | 111,881 |
| 3/4 | 3,794 | 3/4 | 15,841 | 3/4 | 27,914 | 3/4 | 39,694 | 3/4 | 51,768 | 3/4 | 63,841 | 3/4 | 75,915 | 3/4 | 87,988 | 3/4 | 100,061 | 3/4 | 112,132 |
| 7   | 4,041 | 7   | 16,093 | 7   | 28,166 | 7   | 39,946 | 7   | 52,019 | 7   | 64,093 | 7   | 76,166 | 7   | 88,240 | 7   | 100,312 | 7   | 112,384 |
| 1/4 | 4,290 | 1/4 | 16,344 | 1/4 | 28,410 | 1/4 | 40,197 | 1/4 | 52,271 | 1/4 | 64,344 | 1/4 | 76,418 | 1/4 | 88,491 | 1/4 | 100,564 | 1/4 | 112,635 |
| 1/2 | 4,538 | 1/2 | 16,596 | 1/2 | 28,655 | 1/2 | 40,449 | 1/2 | 52,522 | 1/2 | 64,596 | 1/2 | 76,669 | 1/2 | 88,743 | 1/2 | 100,815 | 1/2 | 112,887 |
| 3/4 | 4,787 | 3/4 | 16,847 | 3/4 | 28,899 | 3/4 | 40,700 | 3/4 | 52,774 | 3/4 | 64,847 | 3/4 | 76,921 | 3/4 | 88,994 | 3/4 | 101,067 | 3/4 | 113,138 |
| 8   | 5,036 | 8   | 17,099 | 8   | 29,144 | 8   | 40,952 | 8   | 53,025 | 8   | 65,099 | 8   | 77,172 | 8   | 89,246 | 8   | 101,318 | 8   | 113,390 |
| 1/4 | 5,286 | 1/4 | 17,350 | 1/4 | 29,388 | 1/4 | 41,203 | 1/4 | 53,277 | 1/4 | 65,350 | 1/4 | 77,424 | 1/4 | 89,497 | 1/4 | 101,570 | 1/4 | 113,641 |
| 1/2 | 5,536 | 1/2 | 17,602 | 1/2 | 29,632 | 1/2 | 41,455 | 1/2 | 53,528 | 1/2 | 65,602 | 1/2 | 77,675 | 1/2 | 89,749 | 1/2 | 101,821 | 1/2 | 113,892 |
| 3/4 | 5,786 | 3/4 | 17,853 | 3/4 | 29,876 | 3/4 | 41,706 | 3/4 | 53,780 | 3/4 | 65,853 | 3/4 | 77,927 | 3/4 | 90,001 | 3/4 | 102,073 | 3/4 | 114,144 |
| 9   | 6,036 | 9   | 18,105 | 9   | 30,120 | 9   | 41,958 | 9   | 54,031 | 9   | 66,105 | 9   | 78,178 | 9   | 90,252 | 9   | 102,324 | 9   | 114,395 |
| 1/4 | 6,286 | 1/4 | 18,356 | 1/4 | 30,364 | 1/4 | 42,209 | 1/4 | 54,283 | 1/4 | 66,356 | 1/4 | 78,430 | 1/4 | 90,504 | 1/4 | 102,576 | 1/4 | 114,647 |
| 1/2 | 6,537 | 1/2 | 18,608 | 1/2 | 30,608 | 1/2 | 42,461 | 1/2 | 54,534 | 1/2 | 66,608 | 1/2 | 78,682 | 1/2 | 90,755 | 1/2 | 102,827 | 1/2 | 114,898 |
| 3/4 | 6,788 | 3/4 | 18,860 | 3/4 | 30,853 | 3/4 | 42,712 | 3/4 | 54,786 | 3/4 | 66,860 | 3/4 | 78,933 | 3/4 | 91,007 | 3/4 | 103,078 | 3/4 | 115,150 |
| 10  | 7,039 | 10  | 19,111 | 10  | 31,097 | 10  | 42,964 | 10  | 55,038 | 10  | 67,111 | 10  | 79,185 | 10  | 91,258 | 10  | 103,330 | 10  | 115,401 |
| 1/4 | 7,290 | 1/4 | 19,363 | 1/4 | 31,341 | 1/4 | 43,216 | 1/4 | 55,289 | 1/4 | 67,363 | 1/4 | 79,436 | 1/4 | 91,510 | 1/4 | 103,581 | 1/4 | 115,653 |
| 1/2 | 7,542 | 1/2 | 19,614 | 1/2 | 31,585 | 1/2 | 43,467 | 1/2 | 55,541 | 1/2 | 67,614 | 1/2 | 79,688 | 1/2 | 91,761 | 1/2 | 103,833 | 1/2 | 115,904 |
| 3/4 | 7,793 | 3/4 | 19,866 | 3/4 | 31,829 | 3/4 | 43,719 | 3/4 | 55,792 | 3/4 | 67,866 | 3/4 | 79,939 | 3/4 | 92,013 | 3/4 | 104,084 | 3/4 | 116,156 |
| 11  | 8,044 | 11  | 20,117 | 11  | 32,073 | 11  | 43,970 | 11  | 56,044 | 11  | 68,117 | 11  | 80,191 | 11  | 92,264 | 11  | 104,336 | 11  | 116,407 |
| 1/4 | 8,296 | 1/4 | 20,369 | 1/4 | 32,317 | 1/4 | 44,222 | 1/4 | 56,295 | 1/4 | 68,369 | 1/4 | 80,442 | 1/4 | 92,516 | 1/4 | 104,587 | 1/4 | 116,659 |
| 1/2 | 8,547 | 1/2 | 20,620 | 1/2 | 32,561 | 1/2 | 44,473 | 1/2 | 56,547 | 1/2 | 68,620 | 1/2 | 80,694 | 1/2 | 92,767 | 1/2 | 104,839 | 1/2 | 116,910 |
| 3/4 | 8,799 | 3/4 | 20,872 | 3/4 | 32,805 | 3/4 | 44,725 | 3/4 | 56,798 | 3/4 | 68,872 | 3/4 | 80,945 | 3/4 | 93,019 | 3/4 | 105,090 | 3/4 | 117,162 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 29'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 1345"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08"

| IN  | 10 FT.  | IN  | 11 FT.  | IN  | 12 FT.  | IN  | 13 FT.  | IN  | 14 FT.  | IN  | 15 FT. | IN  | 16 FT. | IN  | 17 FT. | IN  | 18 FT. | IN  | 19 FT. |
|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0   | 117,413 | 0   | 129,485 | 0   | 141,556 | 0   | 153,561 | 0   | 165,528 | 0   |        | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 117,665 | 1/4 | 129,736 | 1/4 | 141,806 | 1/4 | 153,811 | 1/4 | 165,776 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 117,916 | 1/2 | 129,988 | 1/2 | 142,056 | 1/2 | 154,061 | 1/2 | 166,024 | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 118,168 | 3/4 | 130,239 | 3/4 | 142,307 | 3/4 | 154,311 | 3/4 | 166,271 | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 1   | 118,419 | 1   | 130,491 | 1   | 142,557 | 1   | 154,561 | 1   | 166,519 | 1   | 1      | 1   | 1      | 1   | 1      | 1   | 1      | 1   | 1      |
| 1/4 | 118,671 | 1/4 | 130,742 | 1/4 | 142,807 | 1/4 | 154,811 | 1/4 | 166,767 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 118,922 | 1/2 | 130,994 | 1/2 | 143,057 | 1/2 | 155,061 | 1/2 | 167,015 | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 119,174 | 3/4 | 131,245 | 3/4 | 143,307 | 3/4 | 155,311 | 3/4 | 167,262 | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 2   | 119,425 | 2   | 131,497 | 2   | 143,557 | 2   | 155,561 | 2   | 167,510 | 2   | 2      | 2   | 2      | 2   | 2      | 2   | 2      | 2   | 2      |
| 1/4 | 119,677 | 1/4 | 131,748 | 1/4 | 143,807 | 1/4 | 155,811 | 1/4 | 167,737 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 119,928 | 1/2 | 132,000 | 1/2 | 144,057 | 1/2 | 156,062 | 1/2 | 167,964 | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 120,180 | 3/4 | 132,251 | 3/4 | 144,307 | 3/4 | 156,312 | 3/4 | 168,191 | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 3   | 120,431 | 3   | 132,503 | 3   | 144,557 | 3   | 156,562 | 3   | 168,417 | 3   | 3      | 3   | 3      | 3   | 3      | 3   | 3      | 3   | 3      |
| 1/4 | 120,683 | 1/4 | 132,754 | 1/4 | 144,807 | 1/4 | 156,812 | 1/4 | 168,602 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 120,934 | 1/2 | 133,006 | 1/2 | 145,058 | 1/2 | 157,062 | 1/2 | 168,787 | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 121,186 | 3/4 | 133,257 | 3/4 | 145,308 | 3/4 | 157,312 | 3/4 | 168,972 | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 4   | 121,437 | 4   | 133,509 | 4   | 145,558 | 4   | 157,562 | 4   | 169,157 | 4   | 4      | 4   | 4      | 4   | 4      | 4   | 4      | 4   | 4      |
| 1/4 | 121,689 | 1/4 | 133,760 | 1/4 | 145,808 | 1/4 | 157,812 | 1/4 | 169,300 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 121,940 | 1/2 | 134,012 | 1/2 | 146,058 | 1/2 | 158,062 | 1/2 | 169,443 | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 122,192 | 3/4 | 134,263 | 3/4 | 146,308 | 3/4 | 158,312 | 3/4 | 169,586 | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 5   | 122,443 | 5   | 134,515 | 5   | 146,558 | 5   | 158,562 | 5   | 169,729 | 5   | 5      | 5   | 5      | 5   | 5      | 5   | 5      | 5   | 5      |
| 1/4 | 122,695 | 1/4 | 134,766 | 1/4 | 146,808 | 1/4 | 158,813 | 1/4 | 169,830 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 122,946 | 1/2 | 135,018 | 1/2 | 147,058 | 1/2 | 159,063 | 1/2 | 169,931 | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 123,198 | 3/4 | 135,269 | 3/4 | 147,308 | 3/4 | 159,313 | 3/4 | 170,032 | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 6   | 123,449 | 6   | 135,521 | 6   | 147,558 | 6   | 159,563 | 6   | 170,133 | 6   | 6      | 6   | 6      | 6   | 6      | 6   | 6      | 6   | 6      |
| 1/4 | 123,701 | 1/4 | 135,772 | 1/4 | 147,809 | 1/4 | 159,813 | 1/4 | 170,192 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 123,952 | 1/2 | 136,024 | 1/2 | 148,059 | 1/2 | 160,063 | 1/2 | 170,251 | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 124,204 | 3/4 | 136,275 | 3/4 | 148,309 | 3/4 | 160,313 | 3/4 | 170,311 | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 7   | 124,455 | 7   | 136,526 | 7   | 148,559 | 7   | 160,563 | 7   | 170,370 | 7   | 7      | 7   | 7      | 7   | 7      | 7   | 7      | 7   | 7      |
| 1/4 | 124,707 | 1/4 | 136,778 | 1/4 | 148,809 | 1/4 | 160,813 | 1/4 | 170,387 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 124,958 | 1/2 | 137,029 | 1/2 | 149,059 | 1/2 | 161,063 | 1/2 | 170,404 | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 125,209 | 3/4 | 137,281 | 3/4 | 149,309 | 3/4 | 161,313 | 3/4 | 170,421 | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 8   | 125,461 | 8   | 137,532 | 8   | 149,559 | 8   | 161,564 | 8   | 170,439 | 8   | 8      | 8   | 8      | 8   | 8      | 8   | 8      | 8   | 8      |
| 1/4 | 125,712 | 1/4 | 137,784 | 1/4 | 149,809 | 1/4 | 161,811 | 1/4 |         | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 125,964 | 1/2 | 138,035 | 1/2 | 150,059 | 1/2 | 162,059 | 1/2 |         | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 126,215 | 3/4 | 138,287 | 3/4 | 150,309 | 3/4 | 162,307 | 3/4 |         | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 9   | 126,467 | 9   | 138,538 | 9   | 150,560 | 9   | 162,555 | 9   |         | 9   | 9      | 9   | 9      | 9   | 9      | 9   | 9      | 9   | 9      |
| 1/4 | 126,718 | 1/4 | 138,790 | 1/4 | 150,810 | 1/4 | 162,802 | 1/4 |         | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 126,970 | 1/2 | 139,041 | 1/2 | 151,060 | 1/2 | 163,050 | 1/2 |         | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 127,221 | 3/4 | 139,293 | 3/4 | 151,310 | 3/4 | 163,298 | 3/4 |         | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 10  | 127,473 | 10  | 139,544 | 10  | 151,560 | 10  | 163,546 | 10  |         | 10  | 10     | 10  | 10     | 10  | 10     | 10  | 10     | 10  | 10     |
| 1/4 | 127,724 | 1/4 | 139,796 | 1/4 | 151,810 | 1/4 | 163,794 | 1/4 |         | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 127,976 | 1/2 | 140,047 | 1/2 | 152,060 | 1/2 | 164,041 | 1/2 |         | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 128,227 | 3/4 | 140,299 | 3/4 | 152,310 | 3/4 | 164,289 | 3/4 |         | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 11  | 128,479 | 11  | 140,550 | 11  | 152,560 | 11  | 164,537 | 11  |         | 11  | 11     | 11  | 11     | 11  | 11     | 11  | 11     | 11  | 11     |
| 1/4 | 128,730 | 1/4 | 140,802 | 1/4 | 152,810 | 1/4 | 164,785 | 1/4 |         | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 128,982 | 1/2 | 141,053 | 1/2 | 153,060 | 1/2 | 165,032 | 1/2 |         | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 129,233 | 3/4 | 141,305 | 3/4 | 153,311 | 3/4 | 165,280 | 3/4 |         | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/21/2012 CL - SW  
CALCULATED: 03/21/2012 CL  
PRINTED: 03/21/2012 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2012

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



# BARGE "CBC 1345"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-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   | 39    | 0   | 8,049  | 0   | 18,781 | 0   | 29,499 | 0   | 40,219 | 0   | 50,952 | 0   | 61,684 | 0   | 72,416 | 0   | 83,148 | 0   | 93,879  |
| 1/4 | 58    | 1/4 | 8,273  | 1/4 | 19,004 | 1/4 | 29,721 | 1/4 | 40,443 | 1/4 | 51,175 | 1/4 | 61,907 | 1/4 | 72,640 | 1/4 | 83,372 | 1/4 | 94,102  |
| 1/2 | 77    | 1/2 | 8,496  | 1/2 | 19,228 | 1/2 | 29,944 | 1/2 | 40,667 | 1/2 | 51,399 | 1/2 | 62,131 | 1/2 | 72,863 | 1/2 | 83,595 | 1/2 | 94,326  |
| 3/4 | 95    | 3/4 | 8,720  | 3/4 | 19,452 | 3/4 | 30,167 | 3/4 | 40,890 | 3/4 | 51,622 | 3/4 | 62,355 | 3/4 | 73,087 | 3/4 | 83,819 | 3/4 | 94,549  |
| 1   | 114   | 1   | 8,943  | 1   | 19,675 | 1   | 30,390 | 1   | 41,114 | 1   | 51,846 | 1   | 62,578 | 1   | 73,310 | 1   | 84,043 | 1   | 94,773  |
| 1/4 | 170   | 1/4 | 9,167  | 1/4 | 19,899 | 1/4 | 30,613 | 1/4 | 41,337 | 1/4 | 52,070 | 1/4 | 62,802 | 1/4 | 73,534 | 1/4 | 84,266 | 1/4 | 94,997  |
| 1/2 | 226   | 1/2 | 9,391  | 1/2 | 20,122 | 1/2 | 30,836 | 1/2 | 41,561 | 1/2 | 52,293 | 1/2 | 63,025 | 1/2 | 73,758 | 1/2 | 84,490 | 1/2 | 95,220  |
| 3/4 | 282   | 3/4 | 9,614  | 3/4 | 20,346 | 3/4 | 31,059 | 3/4 | 41,784 | 3/4 | 52,517 | 3/4 | 63,249 | 3/4 | 73,981 | 3/4 | 84,713 | 3/4 | 95,444  |
| 2   | 337   | 2   | 9,838  | 2   | 20,570 | 2   | 31,282 | 2   | 42,008 | 2   | 52,740 | 2   | 63,473 | 2   | 74,205 | 2   | 84,937 | 2   | 95,667  |
| 1/4 | 431   | 1/4 | 10,061 | 1/4 | 20,793 | 1/4 | 31,504 | 1/4 | 42,232 | 1/4 | 52,964 | 1/4 | 63,696 | 1/4 | 74,428 | 1/4 | 85,160 | 1/4 | 95,891  |
| 1/2 | 524   | 1/2 | 10,285 | 1/2 | 21,017 | 1/2 | 31,727 | 1/2 | 42,455 | 1/2 | 53,187 | 1/2 | 63,920 | 1/2 | 74,652 | 1/2 | 85,384 | 1/2 | 96,114  |
| 3/4 | 617   | 3/4 | 10,508 | 3/4 | 21,240 | 3/4 | 31,950 | 3/4 | 42,679 | 3/4 | 53,411 | 3/4 | 64,143 | 3/4 | 74,876 | 3/4 | 85,607 | 3/4 | 96,338  |
| 3   | 710   | 3   | 10,732 | 3   | 21,464 | 3   | 32,173 | 3   | 42,902 | 3   | 53,635 | 3   | 64,367 | 3   | 75,099 | 3   | 85,831 | 3   | 96,561  |
| 1/4 | 840   | 1/4 | 10,956 | 1/4 | 21,687 | 1/4 | 32,396 | 1/4 | 43,126 | 1/4 | 53,858 | 1/4 | 64,591 | 1/4 | 75,323 | 1/4 | 86,055 | 1/4 | 96,785  |
| 1/2 | 971   | 1/2 | 11,179 | 1/2 | 21,911 | 1/2 | 32,619 | 1/2 | 43,350 | 1/2 | 54,082 | 1/2 | 64,814 | 1/2 | 75,546 | 1/2 | 86,278 | 1/2 | 97,009  |
| 3/4 | 1,101 | 3/4 | 11,403 | 3/4 | 22,135 | 3/4 | 32,842 | 3/4 | 43,573 | 3/4 | 54,305 | 3/4 | 65,038 | 3/4 | 75,770 | 3/4 | 86,502 | 3/4 | 97,232  |
| 4   | 1,232 | 4   | 11,626 | 4   | 22,358 | 4   | 33,064 | 4   | 43,797 | 4   | 54,529 | 4   | 65,261 | 4   | 75,994 | 4   | 86,725 | 4   | 97,456  |
| 1/4 | 1,399 | 1/4 | 11,850 | 1/4 | 22,582 | 1/4 | 33,288 | 1/4 | 44,020 | 1/4 | 54,753 | 1/4 | 65,485 | 1/4 | 76,217 | 1/4 | 86,949 | 1/4 | 97,679  |
| 1/2 | 1,567 | 1/2 | 12,074 | 1/2 | 22,805 | 1/2 | 33,512 | 1/2 | 44,244 | 1/2 | 54,976 | 1/2 | 65,708 | 1/2 | 76,441 | 1/2 | 87,172 | 1/2 | 97,903  |
| 3/4 | 1,735 | 3/4 | 12,297 | 3/4 | 23,029 | 3/4 | 33,735 | 3/4 | 44,468 | 3/4 | 55,200 | 3/4 | 65,932 | 3/4 | 76,664 | 3/4 | 87,396 | 3/4 | 98,126  |
| 5   | 1,902 | 5   | 12,521 | 5   | 23,253 | 5   | 33,959 | 5   | 44,691 | 5   | 55,423 | 5   | 66,156 | 5   | 76,888 | 5   | 87,619 | 5   | 98,350  |
| 1/4 | 2,107 | 1/4 | 12,744 | 1/4 | 23,476 | 1/4 | 34,182 | 1/4 | 44,915 | 1/4 | 55,647 | 1/4 | 66,379 | 1/4 | 77,111 | 1/4 | 87,843 | 1/4 | 98,573  |
| 1/2 | 2,311 | 1/2 | 12,968 | 1/2 | 23,700 | 1/2 | 34,406 | 1/2 | 45,138 | 1/2 | 55,871 | 1/2 | 66,603 | 1/2 | 77,335 | 1/2 | 88,066 | 1/2 | 98,797  |
| 3/4 | 2,515 | 3/4 | 13,191 | 3/4 | 23,923 | 3/4 | 34,630 | 3/4 | 45,362 | 3/4 | 56,094 | 3/4 | 66,826 | 3/4 | 77,559 | 3/4 | 88,290 | 3/4 | 99,020  |
| 6   | 2,720 | 6   | 13,415 | 6   | 24,147 | 6   | 34,853 | 6   | 45,585 | 6   | 56,318 | 6   | 67,050 | 6   | 77,782 | 6   | 88,514 | 6   | 99,244  |
| 1/4 | 2,939 | 1/4 | 13,639 | 1/4 | 24,370 | 1/4 | 35,077 | 1/4 | 45,809 | 1/4 | 56,541 | 1/4 | 67,274 | 1/4 | 78,006 | 1/4 | 88,737 | 1/4 | 99,468  |
| 1/2 | 3,158 | 1/2 | 13,862 | 1/2 | 24,593 | 1/2 | 35,300 | 1/2 | 46,033 | 1/2 | 56,765 | 1/2 | 67,497 | 1/2 | 78,229 | 1/2 | 88,961 | 1/2 | 99,691  |
| 3/4 | 3,377 | 3/4 | 14,086 | 3/4 | 24,817 | 3/4 | 35,524 | 3/4 | 46,256 | 3/4 | 56,988 | 3/4 | 67,721 | 3/4 | 78,453 | 3/4 | 89,184 | 3/4 | 99,915  |
| 7   | 3,596 | 7   | 14,309 | 7   | 25,040 | 7   | 35,748 | 7   | 46,480 | 7   | 57,212 | 7   | 67,944 | 7   | 78,677 | 7   | 89,408 | 7   | 100,138 |
| 1/4 | 3,817 | 1/4 | 14,533 | 1/4 | 25,263 | 1/4 | 35,971 | 1/4 | 46,703 | 1/4 | 57,436 | 1/4 | 68,168 | 1/4 | 78,900 | 1/4 | 89,631 | 1/4 | 100,362 |
| 1/2 | 4,039 | 1/2 | 14,756 | 1/2 | 25,486 | 1/2 | 36,195 | 1/2 | 46,927 | 1/2 | 57,659 | 1/2 | 68,392 | 1/2 | 79,124 | 1/2 | 89,855 | 1/2 | 100,585 |
| 3/4 | 4,260 | 3/4 | 14,980 | 3/4 | 25,709 | 3/4 | 36,418 | 3/4 | 47,151 | 3/4 | 57,883 | 3/4 | 68,615 | 3/4 | 79,347 | 3/4 | 90,078 | 3/4 | 100,809 |
| 8   | 4,481 | 8   | 15,204 | 8   | 25,933 | 8   | 36,642 | 8   | 47,374 | 8   | 58,106 | 8   | 68,839 | 8   | 79,571 | 8   | 90,302 | 8   | 101,032 |
| 1/4 | 4,703 | 1/4 | 15,427 | 1/4 | 26,156 | 1/4 | 36,865 | 1/4 | 47,598 | 1/4 | 58,330 | 1/4 | 69,062 | 1/4 | 79,795 | 1/4 | 90,526 | 1/4 | 101,256 |
| 1/2 | 4,925 | 1/2 | 15,651 | 1/2 | 26,378 | 1/2 | 37,089 | 1/2 | 47,821 | 1/2 | 58,554 | 1/2 | 69,286 | 1/2 | 80,018 | 1/2 | 90,749 | 1/2 | 101,480 |
| 3/4 | 5,147 | 3/4 | 15,874 | 3/4 | 26,601 | 3/4 | 37,313 | 3/4 | 48,045 | 3/4 | 58,777 | 3/4 | 69,509 | 3/4 | 80,242 | 3/4 | 90,973 | 3/4 | 101,703 |
| 9   | 5,370 | 9   | 16,098 | 9   | 26,824 | 9   | 37,536 | 9   | 48,269 | 9   | 59,001 | 9   | 69,733 | 9   | 80,465 | 9   | 91,196 | 9   | 101,927 |
| 1/4 | 5,592 | 1/4 | 16,322 | 1/4 | 27,047 | 1/4 | 37,760 | 1/4 | 48,492 | 1/4 | 59,224 | 1/4 | 69,957 | 1/4 | 80,689 | 1/4 | 91,420 | 1/4 | 102,150 |
| 1/2 | 5,815 | 1/2 | 16,545 | 1/2 | 27,270 | 1/2 | 37,983 | 1/2 | 48,716 | 1/2 | 59,448 | 1/2 | 70,180 | 1/2 | 80,912 | 1/2 | 91,643 | 1/2 | 102,374 |
| 3/4 | 6,038 | 3/4 | 16,769 | 3/4 | 27,493 | 3/4 | 38,207 | 3/4 | 48,939 | 3/4 | 59,672 | 3/4 | 70,404 | 3/4 | 81,136 | 3/4 | 91,867 | 3/4 | 102,597 |
| 10  | 6,261 | 10  | 16,992 | 10  | 27,716 | 10  | 38,431 | 10  | 49,163 | 10  | 59,895 | 10  | 70,627 | 10  | 81,360 | 10  | 92,090 | 10  | 102,821 |
| 1/4 | 6,485 | 1/4 | 17,216 | 1/4 | 27,938 | 1/4 | 38,654 | 1/4 | 49,386 | 1/4 | 60,119 | 1/4 | 70,851 | 1/4 | 81,583 | 1/4 | 92,314 | 1/4 | 103,044 |
| 1/2 | 6,708 | 1/2 | 17,439 | 1/2 | 28,161 | 1/2 | 38,878 | 1/2 | 49,610 | 1/2 | 60,342 | 1/2 | 71,075 | 1/2 | 81,807 | 1/2 | 92,538 | 1/2 | 103,268 |
| 3/4 | 6,931 | 3/4 | 17,663 | 3/4 | 28,384 | 3/4 | 39,101 | 3/4 | 49,834 | 3/4 | 60,566 | 3/4 | 71,298 | 3/4 | 82,030 | 3/4 | 92,761 | 3/4 | 103,492 |
| 11  | 7,155 | 11  | 17,887 | 11  | 28,607 | 11  | 39,325 | 11  | 50,057 | 11  | 60,789 | 11  | 71,522 | 11  | 82,254 | 11  | 92,985 | 11  | 103,715 |
| 1/4 | 7,378 | 1/4 | 18,110 | 1/4 | 28,830 | 1/4 | 39,549 | 1/4 | 50,281 | 1/4 | 61,013 | 1/4 | 71,745 | 1/4 | 82,478 | 1/4 | 93,208 | 1/4 | 103,939 |
| 1/2 | 7,602 | 1/2 | 18,334 | 1/2 | 29,053 | 1/2 | 39,772 | 1/2 | 50,504 | 1/2 | 61,237 | 1/2 | 71,969 | 1/2 | 82,701 | 1/2 | 93,432 | 1/2 | 104,162 |
| 3/4 | 7,826 | 3/4 | 18,557 | 3/4 | 29,276 | 3/4 | 39,996 | 3/4 | 50,728 | 3/4 | 61,460 | 3/4 | 72,193 | 3/4 | 82,925 | 3/4 | 93,655 | 3/4 | 104,386 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

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

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 1345"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-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   | 104,609 | 0   | 115,340 | 0   | 126,070 | 0   | 136,742 | 0   | 147,380 | 0   |        | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 104,833 | 1/4 | 115,563 | 1/4 | 126,292 | 1/4 | 136,964 | 1/4 | 147,601 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 105,056 | 1/2 | 115,787 | 1/2 | 126,515 | 1/2 | 137,186 | 1/2 | 147,821 | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 105,280 | 3/4 | 116,010 | 3/4 | 126,737 | 3/4 | 137,409 | 3/4 | 148,041 | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 1   | 105,503 | 1   | 116,234 | 1   | 126,959 | 1   | 137,631 | 1   | 148,262 | 1   | 1      | 1   | 1      | 1   | 1      | 1   | 1      | 1   | 1      |
| 1/4 | 105,727 | 1/4 | 116,457 | 1/4 | 127,182 | 1/4 | 137,853 | 1/4 | 148,482 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 105,951 | 1/2 | 116,681 | 1/2 | 127,404 | 1/2 | 138,076 | 1/2 | 148,702 | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 106,174 | 3/4 | 116,905 | 3/4 | 127,626 | 3/4 | 138,298 | 3/4 | 148,922 | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 2   | 106,398 | 2   | 117,128 | 2   | 127,849 | 2   | 138,520 | 2   | 149,143 | 2   | 2      | 2   | 2      | 2   | 2      | 2   | 2      | 2   | 2      |
| 1/4 | 106,621 | 1/4 | 117,352 | 1/4 | 128,071 | 1/4 | 138,743 | 1/4 | 149,344 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 106,845 | 1/2 | 117,575 | 1/2 | 128,293 | 1/2 | 138,965 | 1/2 | 149,546 | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 107,068 | 3/4 | 117,799 | 3/4 | 128,516 | 3/4 | 139,187 | 3/4 | 149,748 | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 3   | 107,292 | 3   | 118,022 | 3   | 128,738 | 3   | 139,410 | 3   | 149,949 | 3   | 3      | 3   | 3      | 3   | 3      | 3   | 3      | 3   | 3      |
| 1/4 | 107,515 | 1/4 | 118,246 | 1/4 | 128,960 | 1/4 | 139,632 | 1/4 | 150,114 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 107,739 | 1/2 | 118,469 | 1/2 | 129,183 | 1/2 | 139,854 | 1/2 | 150,278 | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 107,963 | 3/4 | 118,693 | 3/4 | 129,405 | 3/4 | 140,077 | 3/4 | 150,442 | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 4   | 108,186 | 4   | 118,917 | 4   | 129,627 | 4   | 140,299 | 4   | 150,607 | 4   | 4      | 4   | 4      | 4   | 4      | 4   | 4      | 4   | 4      |
| 1/4 | 108,410 | 1/4 | 119,140 | 1/4 | 129,850 | 1/4 | 140,521 | 1/4 | 150,734 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 108,633 | 1/2 | 119,364 | 1/2 | 130,072 | 1/2 | 140,744 | 1/2 | 150,861 | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 108,857 | 3/4 | 119,587 | 3/4 | 130,294 | 3/4 | 140,966 | 3/4 | 150,988 | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 5   | 109,080 | 5   | 119,811 | 5   | 130,517 | 5   | 141,188 | 5   | 151,115 | 5   | 5      | 5   | 5      | 5   | 5      | 5   | 5      | 5   | 5      |
| 1/4 | 109,304 | 1/4 | 120,034 | 1/4 | 130,739 | 1/4 | 141,411 | 1/4 | 151,205 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 109,527 | 1/2 | 120,258 | 1/2 | 130,961 | 1/2 | 141,633 | 1/2 | 151,295 | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 109,751 | 3/4 | 120,481 | 3/4 | 131,184 | 3/4 | 141,855 | 3/4 | 151,385 | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 6   | 109,974 | 6   | 120,705 | 6   | 131,406 | 6   | 142,078 | 6   | 151,475 | 6   | 6      | 6   | 6      | 6   | 6      | 6   | 6      | 6   | 6      |
| 1/4 | 110,198 | 1/4 | 120,928 | 1/4 | 131,628 | 1/4 | 142,300 | 1/4 | 151,527 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 110,422 | 1/2 | 121,152 | 1/2 | 131,851 | 1/2 | 142,522 | 1/2 | 151,580 | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 110,645 | 3/4 | 121,376 | 3/4 | 132,073 | 3/4 | 142,745 | 3/4 | 151,632 | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 7   | 110,869 | 7   | 121,599 | 7   | 132,295 | 7   | 142,967 | 7   | 151,685 | 7   | 7      | 7   | 7      | 7   | 7      | 7   | 7      | 7   | 7      |
| 1/4 | 111,092 | 1/4 | 121,823 | 1/4 | 132,518 | 1/4 | 143,189 | 1/4 | 151,700 | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 111,316 | 1/2 | 122,046 | 1/2 | 132,740 | 1/2 | 143,412 | 1/2 | 151,715 | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 111,539 | 3/4 | 122,270 | 3/4 | 132,962 | 3/4 | 143,634 | 3/4 | 151,731 | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 8   | 111,763 | 8   | 122,493 | 8   | 133,185 | 8   | 143,856 | 8   | 151,746 | 8   | 8      | 8   | 8      | 8   | 8      | 8   | 8      | 8   | 8      |
| 1/4 | 111,986 | 1/4 | 122,717 | 1/4 | 133,407 | 1/4 | 144,076 | 1/4 |         | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 112,210 | 1/2 | 122,940 | 1/2 | 133,629 | 1/2 | 144,297 | 1/2 |         | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 112,434 | 3/4 | 123,164 | 3/4 | 133,852 | 3/4 | 144,517 | 3/4 |         | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 9   | 112,657 | 9   | 123,388 | 9   | 134,074 | 9   | 144,737 | 9   |         | 9   | 9      | 9   | 9      | 9   | 9      | 9   | 9      | 9   | 9      |
| 1/4 | 112,881 | 1/4 | 123,611 | 1/4 | 134,296 | 1/4 | 144,958 | 1/4 |         | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 113,104 | 1/2 | 123,835 | 1/2 | 134,519 | 1/2 | 145,178 | 1/2 |         | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 113,328 | 3/4 | 124,058 | 3/4 | 134,741 | 3/4 | 145,398 | 3/4 |         | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 10  | 113,551 | 10  | 124,282 | 10  | 134,963 | 10  | 145,618 | 10  |         | 10  | 10     | 10  | 10     | 10  | 10     | 10  | 10     | 10  | 10     |
| 1/4 | 113,775 | 1/4 | 124,505 | 1/4 | 135,185 | 1/4 | 145,839 | 1/4 |         | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 113,998 | 1/2 | 124,729 | 1/2 | 135,408 | 1/2 | 146,059 | 1/2 |         | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 114,222 | 3/4 | 124,952 | 3/4 | 135,630 | 3/4 | 146,279 | 3/4 |         | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 11  | 114,445 | 11  | 125,176 | 11  | 135,852 | 11  | 146,499 | 11  |         | 11  | 11     | 11  | 11     | 11  | 11     | 11  | 11     | 11  | 11     |
| 1/4 | 114,669 | 1/4 | 125,399 | 1/4 | 136,075 | 1/4 | 146,720 | 1/4 |         | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 114,893 | 1/2 | 125,623 | 1/2 | 136,297 | 1/2 | 146,940 | 1/2 |         | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 115,116 | 3/4 | 125,847 | 3/4 | 136,519 | 3/4 | 147,160 | 3/4 |         | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/21/2012 CL - SW  
CALCULATED: 03/21/2012 CL  
PRINTED: 03/21/2012 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2012

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



# BARGE "CBC 1345"

## ULLAGE TRIM TABLE

|          | 1 FT.      |              | 2 FT.      |              | 3 FT.      |              | 4 FT.      |              | 5 FT.      |              | 6 FT.      |              |
|----------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|
|          | <u>BOW</u> | <u>STERN</u> |
| 1 CENTER | - 00-0/8   | 00-0/8       | - 00-0/8   | 00-0/8       | - 00-0/8   | 00-0/8       | - 00-1/8   | 00-1/8       | - 00-1/8   | 00-1/8       | - 00-1/8   | 00-1/8       |
| 2 CENTER | - 00-0/8   | 00-0/8       | - 00-1/8   | 00-1/8       | - 00-1/8   | 00-1/8       | - 00-1/8   | 00-1/8       | - 00-1/8   | 00-1/8       | - 00-1/4   | 00-1/4       |
| 3 CENTER | - 00-1/4   | 00-1/4       | - 00-3/8   | 00-3/8       | - 00-5/8   | 00-5/8       | - 00-7/8   | 00-7/8       | - 01-1/8   | 01-1/8       | - 01-1/4   | 01-1/4       |

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 161'-09"

March 21, 2012

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

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# BARGE "CBC 1345"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 3/4"

| 0 FT. |     | 1 FT. |     | 2 FT. |         | 3 FT. |         | 4 FT. |         | 5 FT. |         | 6 FT. |         | 7 FT. |         | 8 FT. |        | 9 FT. |        |
|-------|-----|-------|-----|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|--------|-------|--------|
| IN    | OUT | IN    | OUT | IN    | OUT     | IN    | OUT     | IN    | OUT     | IN    | OUT     | IN    | OUT     | IN    | OUT     | IN    | OUT    | IN    | OUT    |
| 0     |     | 0     |     | 0     | 147,234 | 0     | 139,754 | 0     | 130,334 | 0     | 120,897 | 0     | 111,443 | 0     | 100,879 | 0     | 90,117 | 0     | 79,355 |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 147,218 | 1/4   | 139,558 | 1/4   | 130,138 | 1/4   | 120,700 | 1/4   | 111,246 | 1/4   | 100,655 | 1/4   | 89,893 | 1/4   | 79,131 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 147,202 | 1/2   | 139,361 | 1/2   | 129,942 | 1/2   | 120,503 | 1/2   | 111,049 | 1/2   | 100,431 | 1/2   | 89,669 | 1/2   | 78,906 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 147,186 | 3/4   | 139,165 | 3/4   | 129,746 | 3/4   | 120,306 | 3/4   | 110,853 | 3/4   | 100,206 | 3/4   | 89,445 | 3/4   | 78,682 |
| 1     |     | 1     |     | 1     | 147,132 | 1     | 138,968 | 1     | 129,550 | 1     | 120,109 | 1     | 110,656 | 1     | 99,982  | 1     | 89,220 | 1     | 78,458 |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 147,079 | 1/4   | 138,772 | 1/4   | 129,355 | 1/4   | 119,912 | 1/4   | 110,459 | 1/4   | 99,758  | 1/4   | 88,996 | 1/4   | 78,234 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 147,025 | 1/2   | 138,575 | 1/2   | 129,159 | 1/2   | 119,715 | 1/2   | 110,262 | 1/2   | 99,534  | 1/2   | 88,772 | 1/2   | 78,009 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 146,972 | 3/4   | 138,379 | 3/4   | 128,963 | 3/4   | 119,518 | 3/4   | 110,065 | 3/4   | 99,310  | 3/4   | 88,548 | 3/4   | 77,785 |
| 2     |     | 2     |     | 2     | 146,881 | 2     | 138,182 | 2     | 128,766 | 2     | 119,321 | 2     | 109,841 | 2     | 99,085  | 2     | 88,324 | 2     | 77,561 |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 146,790 | 1/4   | 137,986 | 1/4   | 128,570 | 1/4   | 119,124 | 1/4   | 109,617 | 1/4   | 98,861  | 1/4   | 88,099 | 1/4   | 77,337 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 146,699 | 1/2   | 137,789 | 1/2   | 128,373 | 1/2   | 118,927 | 1/2   | 109,394 | 1/2   | 98,637  | 1/2   | 87,875 | 1/2   | 77,112 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 146,608 | 3/4   | 137,592 | 3/4   | 128,177 | 3/4   | 118,730 | 3/4   | 109,170 | 3/4   | 98,413  | 3/4   | 87,651 | 3/4   | 76,888 |
| 3     |     | 3     |     | 3     | 146,479 | 3     | 137,396 | 3     | 127,980 | 3     | 118,533 | 3     | 108,946 | 3     | 98,189  | 3     | 87,427 | 3     | 76,665 |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 146,351 | 1/4   | 137,199 | 1/4   | 127,784 | 1/4   | 118,336 | 1/4   | 108,722 | 1/4   | 97,964  | 1/4   | 87,203 | 1/4   | 76,441 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 146,222 | 1/2   | 137,003 | 1/2   | 127,587 | 1/2   | 118,139 | 1/2   | 108,498 | 1/2   | 97,740  | 1/2   | 86,978 | 1/2   | 76,218 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 146,094 | 3/4   | 136,806 | 3/4   | 127,391 | 3/4   | 117,942 | 3/4   | 108,274 | 3/4   | 97,516  | 3/4   | 86,754 | 3/4   | 75,994 |
| 4     |     | 4     |     | 4     | 145,928 | 4     | 136,610 | 4     | 127,194 | 4     | 117,745 | 4     | 108,050 | 4     | 97,292  | 4     | 86,530 | 4     | 75,772 |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 145,762 | 1/4   | 136,413 | 1/4   | 126,998 | 1/4   | 117,548 | 1/4   | 107,826 | 1/4   | 97,068  | 1/4   | 86,306 | 1/4   | 75,549 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 145,596 | 1/2   | 136,217 | 1/2   | 126,801 | 1/2   | 117,350 | 1/2   | 107,602 | 1/2   | 96,843  | 1/2   | 86,081 | 1/2   | 75,326 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 145,431 | 3/4   | 136,020 | 3/4   | 126,605 | 3/4   | 117,153 | 3/4   | 107,378 | 3/4   | 96,619  | 3/4   | 85,857 | 3/4   | 75,103 |
| 5     |     | 5     |     | 5     | 145,227 | 5     | 135,824 | 5     | 126,408 | 5     | 116,956 | 5     | 107,154 | 5     | 96,395  | 5     | 85,633 | 5     | 74,880 |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 145,024 | 1/4   | 135,627 | 1/4   | 126,212 | 1/4   | 116,759 | 1/4   | 106,930 | 1/4   | 96,171  | 1/4   | 85,409 | 1/4   | 74,658 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 144,820 | 1/2   | 135,431 | 1/2   | 126,015 | 1/2   | 116,562 | 1/2   | 106,706 | 1/2   | 95,946  | 1/2   | 85,185 | 1/2   | 74,435 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 144,617 | 3/4   | 135,234 | 3/4   | 125,819 | 3/4   | 116,365 | 3/4   | 106,482 | 3/4   | 95,722  | 3/4   | 84,960 | 3/4   | 74,212 |
| 6     |     | 6     |     | 6     | 144,423 | 6     | 135,038 | 6     | 125,622 | 6     | 116,168 | 6     | 106,258 | 6     | 95,498  | 6     | 84,736 | 6     | 73,989 |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 144,228 | 1/4   | 134,841 | 1/4   | 125,426 | 1/4   | 115,971 | 1/4   | 106,034 | 1/4   | 95,274  | 1/4   | 84,512 | 1/4   | 73,766 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 144,034 | 1/2   | 134,645 | 1/2   | 125,229 | 1/2   | 115,774 | 1/2   | 105,810 | 1/2   | 95,050  | 1/2   | 84,288 | 1/2   | 73,544 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 143,839 | 3/4   | 134,448 | 3/4   | 125,033 | 3/4   | 115,577 | 3/4   | 105,586 | 3/4   | 94,825  | 3/4   | 84,064 | 3/4   | 73,321 |
| 7     |     | 7     |     | 7     | 143,645 | 7     | 134,252 | 7     | 124,836 | 7     | 115,380 | 7     | 105,362 | 7     | 94,601  | 7     | 83,839 | 7     | 73,098 |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 143,451 | 1/4   | 134,055 | 1/4   | 124,640 | 1/4   | 115,183 | 1/4   | 105,138 | 1/4   | 94,377  | 1/4   | 83,615 | 1/4   | 72,875 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 143,256 | 1/2   | 133,859 | 1/2   | 124,443 | 1/2   | 114,986 | 1/2   | 104,914 | 1/2   | 94,153  | 1/2   | 83,391 | 1/2   | 72,652 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 143,062 | 3/4   | 133,662 | 3/4   | 124,247 | 3/4   | 114,789 | 3/4   | 104,690 | 3/4   | 93,929  | 3/4   | 83,167 | 3/4   | 72,430 |
| 8     |     | 8     |     | 8     | 142,867 | 8     | 133,466 | 8     | 124,050 | 8     | 114,592 | 8     | 104,466 | 8     | 93,704  | 8     | 82,943 | 8     | 72,207 |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 142,673 | 1/4   | 133,271 | 1/4   | 123,853 | 1/4   | 114,395 | 1/4   | 104,242 | 1/4   | 93,480  | 1/4   | 82,718 | 1/4   | 71,984 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 142,478 | 1/2   | 133,075 | 1/2   | 123,656 | 1/2   | 114,199 | 1/2   | 104,018 | 1/2   | 93,256  | 1/2   | 82,494 | 1/2   | 71,761 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 142,284 | 3/4   | 132,879 | 3/4   | 123,459 | 3/4   | 114,002 | 3/4   | 103,794 | 3/4   | 93,032  | 3/4   | 82,270 | 3/4   | 71,539 |
| 9     |     | 9     |     | 9     | 142,089 | 9     | 132,683 | 9     | 123,261 | 9     | 113,805 | 9     | 103,569 | 9     | 92,808  | 9     | 82,046 | 9     | 71,316 |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 141,895 | 1/4   | 132,487 | 1/4   | 123,064 | 1/4   | 113,608 | 1/4   | 103,345 | 1/4   | 92,583  | 1/4   | 81,821 | 1/4   | 71,093 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 141,701 | 1/2   | 132,292 | 1/2   | 122,867 | 1/2   | 113,411 | 1/2   | 103,121 | 1/2   | 92,359  | 1/2   | 81,597 | 1/2   | 70,870 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 141,506 | 3/4   | 132,096 | 3/4   | 122,670 | 3/4   | 113,214 | 3/4   | 102,897 | 3/4   | 92,135  | 3/4   | 81,373 | 3/4   | 70,647 |
| 10    |     | 10    |     | 10    | 141,312 | 10    | 131,900 | 10    | 122,473 | 10    | 113,018 | 10    | 102,673 | 10    | 91,911  | 10    | 81,149 | 10    | 70,425 |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 141,117 | 1/4   | 131,704 | 1/4   | 122,276 | 1/4   | 112,821 | 1/4   | 102,448 | 1/4   | 91,687  | 1/4   | 80,924 | 1/4   | 70,202 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 140,923 | 1/2   | 131,508 | 1/2   | 122,079 | 1/2   | 112,624 | 1/2   | 102,224 | 1/2   | 91,462  | 1/2   | 80,700 | 1/2   | 69,979 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 140,728 | 3/4   | 131,313 | 3/4   | 121,882 | 3/4   | 112,427 | 3/4   | 102,000 | 3/4   | 91,238  | 3/4   | 80,476 | 3/4   | 69,756 |
| 11    |     | 11    |     | 11    | 140,534 | 11    | 131,117 | 11    | 121,685 | 11    | 112,230 | 11    | 101,776 | 11    | 91,014  | 11    | 80,252 | 11    | 69,533 |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 140,339 | 1/4   | 130,921 | 1/4   | 121,488 | 1/4   | 112,034 | 1/4   | 101,552 | 1/4   | 90,790  | 1/4   | 80,028 | 1/4   | 69,309 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 140,145 | 1/2   | 130,725 | 1/2   | 121,291 | 1/2   | 111,837 | 1/2   | 101,327 | 1/2   | 90,566  | 1/2   | 79,803 | 1/2   | 69,086 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 147,250 | 3/4   | 139,951 | 3/4   | 130,529 | 3/4   | 121,094 | 3/4   | 111,640 | 3/4   | 101,103 | 3/4   | 79,579 | 3/4   | 68,862 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

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

PRECISION MEASUREMENT  
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# BARGE "CBC 1345"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 3/4"

| IN  | 10 FT. | IN  | 11 FT. | IN  | 12 FT. | IN  | 13 FT. | IN  | 14 FT. | IN  | 15 FT. | IN  | 16 FT. | IN  | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|----|--------|----|--------|
| 0   | 68,638 | 0   | 57,884 | 0   | 47,126 | 0   | 36,367 | 0   | 25,800 | 0   | 15,056 | 0   | 4,281  | 0   |        | 0  |        | 0  |        |
| 1/4 | 68,415 | 1/4 | 57,660 | 1/4 | 46,901 | 1/4 | 36,143 | 1/4 | 25,581 | 1/4 | 14,831 | 1/4 | 4,058  | 1/4 | 1/4    |    | 1/4    |    | 1/4    |
| 1/2 | 68,191 | 1/2 | 57,436 | 1/2 | 46,677 | 1/2 | 35,919 | 1/2 | 25,363 | 1/2 | 14,606 | 1/2 | 3,836  | 1/2 | 1/2    |    | 1/2    |    | 1/2    |
| 3/4 | 67,968 | 3/4 | 57,212 | 3/4 | 46,453 | 3/4 | 35,695 | 3/4 | 25,144 | 3/4 | 14,382 | 3/4 | 3,614  | 3/4 | 3/4    |    | 3/4    |    | 3/4    |
| 1   | 67,744 | 1   | 56,988 | 1   | 46,229 | 1   | 35,471 | 1   | 24,925 | 1   | 14,157 | 1   | 3,394  | 1   | 1      |    | 1      |    | 1      |
| 1/4 | 67,521 | 1/4 | 56,763 | 1/4 | 46,005 | 1/4 | 35,246 | 1/4 | 24,706 | 1/4 | 13,932 | 1/4 | 3,174  | 1/4 | 1/4    |    | 1/4    |    | 1/4    |
| 1/2 | 67,297 | 1/2 | 56,539 | 1/2 | 45,781 | 1/2 | 35,022 | 1/2 | 24,488 | 1/2 | 13,707 | 1/2 | 2,953  | 1/2 | 1/2    |    | 1/2    |    | 1/2    |
| 3/4 | 67,074 | 3/4 | 56,315 | 3/4 | 45,557 | 3/4 | 34,798 | 3/4 | 24,269 | 3/4 | 13,483 | 3/4 | 2,733  | 3/4 | 3/4    |    | 3/4    |    | 3/4    |
| 2   | 66,850 | 2   | 56,091 | 2   | 45,333 | 2   | 34,574 | 2   | 24,044 | 2   | 13,258 | 2   | 2,528  | 2   | 2      |    | 2      |    | 2      |
| 1/4 | 66,625 | 1/4 | 55,867 | 1/4 | 45,108 | 1/4 | 34,350 | 1/4 | 23,820 | 1/4 | 13,033 | 1/4 | 2,322  | 1/4 | 1/4    |    | 1/4    |    | 1/4    |
| 1/2 | 66,401 | 1/2 | 55,643 | 1/2 | 44,884 | 1/2 | 34,126 | 1/2 | 23,595 | 1/2 | 12,809 | 1/2 | 2,117  | 1/2 | 1/2    |    | 1/2    |    | 1/2    |
| 3/4 | 66,177 | 3/4 | 55,419 | 3/4 | 44,660 | 3/4 | 33,902 | 3/4 | 23,370 | 3/4 | 12,584 | 3/4 | 1,912  | 3/4 | 3/4    |    | 3/4    |    | 3/4    |
| 3   | 65,953 | 3   | 55,194 | 3   | 44,436 | 3   | 33,678 | 3   | 23,145 | 3   | 12,359 | 3   | 1,743  | 3   | 3      |    | 3      |    | 3      |
| 1/4 | 65,729 | 1/4 | 54,970 | 1/4 | 44,212 | 1/4 | 33,453 | 1/4 | 22,921 | 1/4 | 12,134 | 1/4 | 1,575  | 1/4 | 1/4    |    | 1/4    |    | 1/4    |
| 1/2 | 65,505 | 1/2 | 54,746 | 1/2 | 43,988 | 1/2 | 33,229 | 1/2 | 22,696 | 1/2 | 11,910 | 1/2 | 1,406  | 1/2 | 1/2    |    | 1/2    |    | 1/2    |
| 3/4 | 65,281 | 3/4 | 54,522 | 3/4 | 43,764 | 3/4 | 33,005 | 3/4 | 22,471 | 3/4 | 11,685 | 3/4 | 1,238  | 3/4 | 3/4    |    | 3/4    |    | 3/4    |
| 4   | 65,056 | 4   | 54,298 | 4   | 43,539 | 4   | 32,787 | 4   | 22,247 | 4   | 11,460 | 4   | 1,107  | 4   | 4      |    | 4      |    | 4      |
| 1/4 | 64,832 | 1/4 | 54,074 | 1/4 | 43,315 | 1/4 | 32,568 | 1/4 | 22,022 | 1/4 | 11,235 | 1/4 | 976    | 1/4 | 1/4    |    | 1/4    |    | 1/4    |
| 1/2 | 64,608 | 1/2 | 53,850 | 1/2 | 43,091 | 1/2 | 32,350 | 1/2 | 21,797 | 1/2 | 11,011 | 1/2 | 844    | 1/2 | 1/2    |    | 1/2    |    | 1/2    |
| 3/4 | 64,384 | 3/4 | 53,626 | 3/4 | 42,867 | 3/4 | 32,132 | 3/4 | 21,572 | 3/4 | 10,786 | 3/4 | 713    | 3/4 | 3/4    |    | 3/4    |    | 3/4    |
| 5   | 64,160 | 5   | 53,401 | 5   | 42,643 | 5   | 31,913 | 5   | 21,348 | 5   | 10,561 | 5   | 620    | 5   | 5      |    | 5      |    | 5      |
| 1/4 | 63,936 | 1/4 | 53,177 | 1/4 | 42,419 | 1/4 | 31,695 | 1/4 | 21,123 | 1/4 | 10,337 | 1/4 | 526    | 1/4 | 1/4    |    | 1/4    |    | 1/4    |
| 1/2 | 63,712 | 1/2 | 52,953 | 1/2 | 42,195 | 1/2 | 31,477 | 1/2 | 20,898 | 1/2 | 10,112 | 1/2 | 433    | 1/2 | 1/2    |    | 1/2    |    | 1/2    |
| 3/4 | 63,487 | 3/4 | 52,729 | 3/4 | 41,971 | 3/4 | 31,259 | 3/4 | 20,674 | 3/4 | 9,887  | 3/4 | 339    | 3/4 | 3/4    |    | 3/4    |    | 3/4    |
| 6   | 63,263 | 6   | 52,505 | 6   | 41,746 | 6   | 31,040 | 6   | 20,449 | 6   | 9,662  | 6   | 283    | 6   | 6      |    | 6      |    | 6      |
| 1/4 | 63,039 | 1/4 | 52,281 | 1/4 | 41,522 | 1/4 | 30,822 | 1/4 | 20,224 | 1/4 | 9,438  | 1/4 | 227    | 1/4 | 1/4    |    | 1/4    |    | 1/4    |
| 1/2 | 62,815 | 1/2 | 52,057 | 1/2 | 41,298 | 1/2 | 30,604 | 1/2 | 19,999 | 1/2 | 9,213  | 1/2 | 170    | 1/2 | 1/2    |    | 1/2    |    | 1/2    |
| 3/4 | 62,591 | 3/4 | 51,832 | 3/4 | 41,074 | 3/4 | 30,385 | 3/4 | 19,775 | 3/4 | 8,988  | 3/4 | 114    | 3/4 | 3/4    |    | 3/4    |    | 3/4    |
| 7   | 62,367 | 7   | 51,608 | 7   | 40,850 | 7   | 30,167 | 7   | 19,550 | 7   | 8,764  | 7   | 96     | 7   | 7      |    | 7      |    | 7      |
| 1/4 | 62,143 | 1/4 | 51,384 | 1/4 | 40,626 | 1/4 | 29,949 | 1/4 | 19,325 | 1/4 | 8,539  | 1/4 | 77     | 1/4 | 1/4    |    | 1/4    |    | 1/4    |
| 1/2 | 61,919 | 1/2 | 51,160 | 1/2 | 40,402 | 1/2 | 29,730 | 1/2 | 19,101 | 1/2 | 8,314  | 1/2 | 58     | 1/2 | 1/2    |    | 1/2    |    | 1/2    |
| 3/4 | 61,694 | 3/4 | 50,936 | 3/4 | 40,177 | 3/4 | 29,512 | 3/4 | 18,876 | 3/4 | 8,089  | 3/4 | 39     | 3/4 | 3/4    |    | 3/4    |    | 3/4    |
| 8   | 61,470 | 8   | 50,712 | 8   | 39,953 | 8   | 29,294 | 8   | 18,651 | 8   | 7,865  | 8   |        | 8   | 8      |    | 8      |    | 8      |
| 1/4 | 61,246 | 1/4 | 50,488 | 1/4 | 39,729 | 1/4 | 29,075 | 1/4 | 18,426 | 1/4 | 7,640  | 1/4 |        | 1/4 | 1/4    |    | 1/4    |    | 1/4    |
| 1/2 | 61,022 | 1/2 | 50,264 | 1/2 | 39,505 | 1/2 | 28,857 | 1/2 | 18,202 | 1/2 | 7,415  | 1/2 |        | 1/2 | 1/2    |    | 1/2    |    | 1/2    |
| 3/4 | 60,798 | 3/4 | 50,039 | 3/4 | 39,281 | 3/4 | 28,639 | 3/4 | 17,977 | 3/4 | 7,191  | 3/4 |        | 3/4 | 3/4    |    | 3/4    |    | 3/4    |
| 9   | 60,574 | 9   | 49,815 | 9   | 39,057 | 9   | 28,420 | 9   | 17,752 | 9   | 6,966  | 9   |        | 9   | 9      |    | 9      |    | 9      |
| 1/4 | 60,350 | 1/4 | 49,591 | 1/4 | 38,833 | 1/4 | 28,202 | 1/4 | 17,528 | 1/4 | 6,742  | 1/4 |        | 1/4 | 1/4    |    | 1/4    |    | 1/4    |
| 1/2 | 60,125 | 1/2 | 49,367 | 1/2 | 38,608 | 1/2 | 27,984 | 1/2 | 17,303 | 1/2 | 6,517  | 1/2 |        | 1/2 | 1/2    |    | 1/2    |    | 1/2    |
| 3/4 | 59,901 | 3/4 | 49,143 | 3/4 | 38,384 | 3/4 | 27,765 | 3/4 | 17,078 | 3/4 | 6,293  | 3/4 |        | 3/4 | 3/4    |    | 3/4    |    | 3/4    |
| 10  | 59,677 | 10  | 48,919 | 10  | 38,160 | 10  | 27,547 | 10  | 16,853 | 10  | 6,069  | 10  |        | 10  | 10     |    | 10     |    | 10     |
| 1/4 | 59,453 | 1/4 | 48,695 | 1/4 | 37,936 | 1/4 | 27,329 | 1/4 | 16,629 | 1/4 | 5,844  | 1/4 |        | 1/4 | 1/4    |    | 1/4    |    | 1/4    |
| 1/2 | 59,229 | 1/2 | 48,470 | 1/2 | 37,712 | 1/2 | 27,110 | 1/2 | 16,404 | 1/2 | 5,620  | 1/2 |        | 1/2 | 1/2    |    | 1/2    |    | 1/2    |
| 3/4 | 59,005 | 3/4 | 48,246 | 3/4 | 37,488 | 3/4 | 26,892 | 3/4 | 16,179 | 3/4 | 5,396  | 3/4 |        | 3/4 | 3/4    |    | 3/4    |    | 3/4    |
| 11  | 58,781 | 11  | 48,022 | 11  | 37,264 | 11  | 26,674 | 11  | 15,955 | 11  | 5,173  | 11  |        | 11  | 11     |    | 11     |    | 11     |
| 1/4 | 58,557 | 1/4 | 47,798 | 1/4 | 37,040 | 1/4 | 26,455 | 1/4 | 15,730 | 1/4 | 4,950  | 1/4 |        | 1/4 | 1/4    |    | 1/4    |    | 1/4    |
| 1/2 | 58,332 | 1/2 | 47,574 | 1/2 | 36,815 | 1/2 | 26,237 | 1/2 | 15,505 | 1/2 | 4,726  | 1/2 |        | 1/2 | 1/2    |    | 1/2    |    | 1/2    |
| 3/4 | 58,108 | 3/4 | 47,350 | 3/4 | 36,591 | 3/4 | 26,019 | 3/4 | 15,280 | 3/4 | 4,503  | 3/4 |        | 3/4 | 3/4    |    | 3/4    |    | 3/4    |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/21/2012 CL - SW  
CALCULATED: 03/21/2012 CL  
PRINTED: 03/21/2012 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2012

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



# BARGE "CBC 1345"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08"

| 0 FT. |     | 1 FT. |         | 2 FT. |         | 3 FT. |         | 4 FT. |         | 5 FT. |         | 6 FT. |         | 7 FT. |         | 8 FT. |        | 9 FT. |    |
|-------|-----|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|--------|-------|----|
| IN    | IN  | IN    | IN      | IN    | IN      | IN    | IN      | IN    | IN      | IN    | IN      | IN    | IN      | IN    | IN      | IN    | IN     | IN    | IN |
| 0     | 0   | 0     | 170,439 | 0     | 161,564 | 0     | 149,560 | 0     | 137,533 | 0     | 125,461 | 0     | 113,390 | 0     | 101,319 | 0     | 89,246 |       |    |
| 1/4   | 1/4 | 1/4   | 170,422 | 1/4   | 161,314 | 1/4   | 149,310 | 1/4   | 137,281 | 1/4   | 125,210 | 1/4   | 113,138 | 1/4   | 101,067 | 1/4   | 88,995 |       |    |
| 1/2   | 1/2 | 1/2   | 170,405 | 1/2   | 161,064 | 1/2   | 149,059 | 1/2   | 137,030 | 1/2   | 124,958 | 1/2   | 112,887 | 1/2   | 100,816 | 1/2   | 88,743 |       |    |
| 3/4   | 3/4 | 3/4   | 170,387 | 3/4   | 160,814 | 3/4   | 148,809 | 3/4   | 136,778 | 3/4   | 124,707 | 3/4   | 112,636 | 3/4   | 100,564 | 3/4   | 88,492 |       |    |
| 1     | 1   | 1     | 170,370 | 1     | 160,564 | 1     | 148,559 | 1     | 136,527 | 1     | 124,455 | 1     | 112,384 | 1     | 100,313 | 1     | 88,240 |       |    |
| 1/4   | 1/4 | 1/4   | 170,311 | 1/4   | 160,314 | 1/4   | 148,309 | 1/4   | 136,275 | 1/4   | 124,204 | 1/4   | 112,133 | 1/4   | 100,061 | 1/4   | 87,989 |       |    |
| 1/2   | 1/2 | 1/2   | 170,252 | 1/2   | 160,063 | 1/2   | 148,059 | 1/2   | 136,024 | 1/2   | 123,953 | 1/2   | 111,881 | 1/2   | 99,810  | 1/2   | 87,737 |       |    |
| 3/4   | 3/4 | 3/4   | 170,193 | 3/4   | 159,813 | 3/4   | 147,809 | 3/4   | 135,772 | 3/4   | 123,701 | 3/4   | 111,630 | 3/4   | 99,558  | 3/4   | 87,486 |       |    |
| 2     | 2   | 2     | 170,134 | 2     | 159,563 | 2     | 147,559 | 2     | 135,521 | 2     | 123,450 | 2     | 111,378 | 2     | 99,307  | 2     | 87,234 |       |    |
| 1/4   | 1/4 | 1/4   | 170,033 | 1/4   | 159,313 | 1/4   | 147,309 | 1/4   | 135,270 | 1/4   | 123,198 | 1/4   | 111,127 | 1/4   | 99,055  | 1/4   | 86,983 |       |    |
| 1/2   | 1/2 | 1/2   | 169,932 | 1/2   | 159,063 | 1/2   | 147,059 | 1/2   | 135,018 | 1/2   | 122,947 | 1/2   | 110,875 | 1/2   | 98,804  | 1/2   | 86,731 |       |    |
| 3/4   | 3/4 | 3/4   | 169,830 | 3/4   | 158,813 | 3/4   | 146,809 | 3/4   | 134,767 | 3/4   | 122,695 | 3/4   | 110,624 | 3/4   | 98,552  | 3/4   | 86,480 |       |    |
| 3     | 3   | 3     | 169,729 | 3     | 158,563 | 3     | 146,559 | 3     | 134,515 | 3     | 122,444 | 3     | 110,372 | 3     | 98,301  | 3     | 86,228 |       |    |
| 1/4   | 1/4 | 1/4   | 169,586 | 1/4   | 158,313 | 1/4   | 146,308 | 1/4   | 134,264 | 1/4   | 122,192 | 1/4   | 110,121 | 1/4   | 98,049  | 1/4   | 85,976 |       |    |
| 1/2   | 1/2 | 1/2   | 169,443 | 1/2   | 158,063 | 1/2   | 146,058 | 1/2   | 134,012 | 1/2   | 121,941 | 1/2   | 109,869 | 1/2   | 97,798  | 1/2   | 85,725 |       |    |
| 3/4   | 3/4 | 3/4   | 169,301 | 3/4   | 157,813 | 3/4   | 145,808 | 3/4   | 133,761 | 3/4   | 121,689 | 3/4   | 109,618 | 3/4   | 97,546  | 3/4   | 85,473 |       |    |
| 4     | 4   | 4     | 169,158 | 4     | 157,563 | 4     | 145,558 | 4     | 133,509 | 4     | 121,438 | 4     | 109,366 | 4     | 97,295  | 4     | 85,222 |       |    |
| 1/4   | 1/4 | 1/4   | 168,973 | 1/4   | 157,312 | 1/4   | 145,308 | 1/4   | 133,258 | 1/4   | 121,186 | 1/4   | 109,115 | 1/4   | 97,043  | 1/4   | 84,970 |       |    |
| 1/2   | 1/2 | 1/2   | 168,788 | 1/2   | 157,062 | 1/2   | 145,058 | 1/2   | 133,006 | 1/2   | 120,935 | 1/2   | 108,863 | 1/2   | 96,792  | 1/2   | 84,719 |       |    |
| 3/4   | 3/4 | 3/4   | 168,603 | 3/4   | 156,812 | 3/4   | 144,808 | 3/4   | 132,755 | 3/4   | 120,683 | 3/4   | 108,612 | 3/4   | 96,540  | 3/4   | 84,467 |       |    |
| 5     | 5   | 5     | 168,418 | 5     | 156,562 | 5     | 144,558 | 5     | 132,503 | 5     | 120,432 | 5     | 108,360 | 5     | 96,289  | 5     | 84,216 |       |    |
| 1/4   | 1/4 | 1/4   | 168,191 | 1/4   | 156,312 | 1/4   | 144,308 | 1/4   | 132,252 | 1/4   | 120,180 | 1/4   | 108,109 | 1/4   | 96,037  | 1/4   | 83,964 |       |    |
| 1/2   | 1/2 | 1/2   | 167,964 | 1/2   | 156,062 | 1/2   | 144,058 | 1/2   | 132,000 | 1/2   | 119,929 | 1/2   | 107,857 | 1/2   | 95,786  | 1/2   | 83,713 |       |    |
| 3/4   | 3/4 | 3/4   | 167,738 | 3/4   | 155,812 | 3/4   | 143,808 | 3/4   | 131,749 | 3/4   | 119,677 | 3/4   | 107,606 | 3/4   | 95,534  | 3/4   | 83,461 |       |    |
| 6     | 6   | 6     | 167,511 | 6     | 155,562 | 6     | 143,557 | 6     | 131,497 | 6     | 119,426 | 6     | 107,354 | 6     | 95,283  | 6     | 83,210 |       |    |
| 1/4   | 1/4 | 1/4   | 167,263 | 1/4   | 155,312 | 1/4   | 143,307 | 1/4   | 131,246 | 1/4   | 119,174 | 1/4   | 107,103 | 1/4   | 95,031  | 1/4   | 82,958 |       |    |
| 1/2   | 1/2 | 1/2   | 167,015 | 1/2   | 155,062 | 1/2   | 143,057 | 1/2   | 130,994 | 1/2   | 118,923 | 1/2   | 106,851 | 1/2   | 94,780  | 1/2   | 82,707 |       |    |
| 3/4   | 3/4 | 3/4   | 166,767 | 3/4   | 154,812 | 3/4   | 142,807 | 3/4   | 130,743 | 3/4   | 118,671 | 3/4   | 106,600 | 3/4   | 94,528  | 3/4   | 82,455 |       |    |
| 7     | 7   | 7     | 166,520 | 7     | 154,561 | 7     | 142,557 | 7     | 130,491 | 7     | 118,420 | 7     | 106,348 | 7     | 94,277  | 7     | 82,203 |       |    |
| 1/4   | 1/4 | 1/4   | 166,272 | 1/4   | 154,311 | 1/4   | 142,307 | 1/4   | 130,240 | 1/4   | 118,168 | 1/4   | 106,097 | 1/4   | 94,025  | 1/4   | 81,952 |       |    |
| 1/2   | 1/2 | 1/2   | 166,024 | 1/2   | 154,061 | 1/2   | 142,057 | 1/2   | 129,988 | 1/2   | 117,917 | 1/2   | 105,845 | 1/2   | 93,774  | 1/2   | 81,700 |       |    |
| 3/4   | 3/4 | 3/4   | 165,776 | 3/4   | 153,811 | 3/4   | 141,807 | 3/4   | 129,737 | 3/4   | 117,665 | 3/4   | 105,594 | 3/4   | 93,522  | 3/4   | 81,449 |       |    |
| 8     | 8   | 8     | 165,528 | 8     | 153,561 | 8     | 141,557 | 8     | 129,485 | 8     | 117,414 | 8     | 105,342 | 8     | 93,271  | 8     | 81,197 |       |    |
| 1/4   | 1/4 | 1/4   | 165,281 | 1/4   | 153,311 | 1/4   | 141,305 | 1/4   | 129,234 | 1/4   | 117,162 | 1/4   | 105,091 | 1/4   | 93,019  | 1/4   | 80,946 |       |    |
| 1/2   | 1/2 | 1/2   | 165,033 | 1/2   | 153,061 | 1/2   | 141,054 | 1/2   | 128,982 | 1/2   | 116,911 | 1/2   | 104,839 | 1/2   | 92,768  | 1/2   | 80,694 |       |    |
| 3/4   | 3/4 | 3/4   | 164,785 | 3/4   | 152,811 | 3/4   | 140,802 | 3/4   | 128,731 | 3/4   | 116,659 | 3/4   | 104,588 | 3/4   | 92,516  | 3/4   | 80,443 |       |    |
| 9     | 9   | 9     | 164,537 | 9     | 152,561 | 9     | 140,551 | 9     | 128,479 | 9     | 116,408 | 9     | 104,336 | 9     | 92,265  | 9     | 80,191 |       |    |
| 1/4   | 1/4 | 1/4   | 164,290 | 1/4   | 152,311 | 1/4   | 140,299 | 1/4   | 128,228 | 1/4   | 116,156 | 1/4   | 104,085 | 1/4   | 92,013  | 1/4   | 79,940 |       |    |
| 1/2   | 1/2 | 1/2   | 164,042 | 1/2   | 152,061 | 1/2   | 140,048 | 1/2   | 127,976 | 1/2   | 115,905 | 1/2   | 103,833 | 1/2   | 91,762  | 1/2   | 79,688 |       |    |
| 3/4   | 3/4 | 3/4   | 163,794 | 3/4   | 151,810 | 3/4   | 139,796 | 3/4   | 127,725 | 3/4   | 115,653 | 3/4   | 103,582 | 3/4   | 91,510  | 3/4   | 79,437 |       |    |
| 10    | 10  | 10    | 163,546 | 10    | 151,560 | 10    | 139,545 | 10    | 127,473 | 10    | 115,402 | 10    | 103,330 | 10    | 91,259  | 10    | 79,185 |       |    |
| 1/4   | 1/4 | 1/4   | 163,298 | 1/4   | 151,310 | 1/4   | 139,293 | 1/4   | 127,222 | 1/4   | 115,150 | 1/4   | 103,079 | 1/4   | 91,007  | 1/4   | 78,934 |       |    |
| 1/2   | 1/2 | 1/2   | 163,051 | 1/2   | 151,060 | 1/2   | 139,042 | 1/2   | 126,970 | 1/2   | 114,899 | 1/2   | 102,827 | 1/2   | 90,756  | 1/2   | 78,682 |       |    |
| 3/4   | 3/4 | 3/4   | 162,803 | 3/4   | 150,810 | 3/4   | 138,790 | 3/4   | 126,719 | 3/4   | 114,647 | 3/4   | 102,576 | 3/4   | 90,504  | 3/4   | 78,430 |       |    |
| 11    | 11  | 11    | 162,555 | 11    | 150,560 | 11    | 138,539 | 11    | 126,467 | 11    | 114,396 | 11    | 102,324 | 11    | 90,252  | 11    | 78,179 |       |    |
| 1/4   | 1/4 | 1/4   | 162,307 | 1/4   | 150,310 | 1/4   | 138,287 | 1/4   | 126,216 | 1/4   | 114,144 | 1/4   | 102,073 | 1/4   | 90,001  | 1/4   | 77,927 |       |    |
| 1/2   | 1/2 | 1/2   | 162,060 | 1/2   | 150,060 | 1/2   | 138,036 | 1/2   | 125,964 | 1/2   | 113,893 | 1/2   | 101,822 | 1/2   | 89,749  | 1/2   | 77,676 |       |    |
| 3/4   | 3/4 | 3/4   | 161,812 | 3/4   | 149,810 | 3/4   | 137,784 | 3/4   | 125,713 | 3/4   | 113,641 | 3/4   | 101,570 | 3/4   | 89,498  | 3/4   | 77,424 |       |    |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 29'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
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# BARGE "CBC 1345"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08"

| IN  | 10 FT. | IN  | 11 FT. | IN  | 12 FT. | IN  | 13 FT. | IN  | 14 FT. | IN  | 15 FT. | IN  | 16 FT. | IN  | 17 FT. | IN  | 18 FT. | IN  | 19 FT. |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0   | 77,173 | 0   | 65,099 | 0   | 53,026 | 0   | 40,952 | 0   | 29,144 | 0   | 17,099 | 0   | 5,036  | 0   |        | 0   |        | 0   |        |
| 1/4 | 76,921 | 1/4 | 64,848 | 1/4 | 52,774 | 1/4 | 40,701 | 1/4 | 28,900 | 1/4 | 16,848 | 1/4 | 4,787  | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 76,670 | 1/2 | 64,596 | 1/2 | 52,523 | 1/2 | 40,449 | 1/2 | 28,655 | 1/2 | 16,596 | 1/2 | 4,539  | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 76,418 | 3/4 | 64,345 | 3/4 | 52,271 | 3/4 | 40,198 | 3/4 | 28,411 | 3/4 | 16,345 | 3/4 | 4,290  | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 1   | 76,167 | 1   | 64,093 | 1   | 52,020 | 1   | 39,946 | 1   | 28,166 | 1   | 16,093 | 1   | 4,041  | 1   | 1      | 1   | 1      | 1   | 1      |
| 1/4 | 75,915 | 1/4 | 63,842 | 1/4 | 51,768 | 1/4 | 39,695 | 1/4 | 27,915 | 1/4 | 15,842 | 1/4 | 3,795  | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 75,664 | 1/2 | 63,590 | 1/2 | 51,517 | 1/2 | 39,443 | 1/2 | 27,663 | 1/2 | 15,590 | 1/2 | 3,548  | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 75,412 | 3/4 | 63,339 | 3/4 | 51,265 | 3/4 | 39,191 | 3/4 | 27,412 | 3/4 | 15,339 | 3/4 | 3,302  | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 2   | 75,161 | 2   | 63,087 | 2   | 51,013 | 2   | 38,940 | 2   | 27,160 | 2   | 15,087 | 2   | 3,055  | 2   | 2      | 2   | 2      | 2   | 2      |
| 1/4 | 74,909 | 1/4 | 62,836 | 1/4 | 50,762 | 1/4 | 38,688 | 1/4 | 26,909 | 1/4 | 14,836 | 1/4 | 2,825  | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 74,658 | 1/2 | 62,584 | 1/2 | 50,510 | 1/2 | 38,437 | 1/2 | 26,657 | 1/2 | 14,584 | 1/2 | 2,595  | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 74,406 | 3/4 | 62,332 | 3/4 | 50,259 | 3/4 | 38,185 | 3/4 | 26,406 | 3/4 | 14,333 | 3/4 | 2,366  | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 3   | 74,154 | 3   | 62,081 | 3   | 50,007 | 3   | 37,934 | 3   | 26,154 | 3   | 14,081 | 3   | 2,136  | 3   | 3      | 3   | 3      | 3   | 3      |
| 1/4 | 73,903 | 1/4 | 61,829 | 1/4 | 49,756 | 1/4 | 37,689 | 1/4 | 25,903 | 1/4 | 13,830 | 1/4 | 1,947  | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 73,651 | 1/2 | 61,578 | 1/2 | 49,504 | 1/2 | 37,445 | 1/2 | 25,651 | 1/2 | 13,578 | 1/2 | 1,758  | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 73,400 | 3/4 | 61,326 | 3/4 | 49,253 | 3/4 | 37,200 | 3/4 | 25,400 | 3/4 | 13,326 | 3/4 | 1,570  | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 4   | 73,148 | 4   | 61,075 | 4   | 49,001 | 4   | 36,956 | 4   | 25,148 | 4   | 13,075 | 4   | 1,381  | 4   | 4      | 4   | 4      | 4   | 4      |
| 1/4 | 72,897 | 1/4 | 60,823 | 1/4 | 48,750 | 1/4 | 36,712 | 1/4 | 24,897 | 1/4 | 12,823 | 1/4 | 1,234  | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 72,645 | 1/2 | 60,572 | 1/2 | 48,498 | 1/2 | 36,468 | 1/2 | 24,645 | 1/2 | 12,572 | 1/2 | 1,088  | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 72,394 | 3/4 | 60,320 | 3/4 | 48,247 | 3/4 | 36,224 | 3/4 | 24,393 | 3/4 | 12,320 | 3/4 | 941    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 5   | 72,142 | 5   | 60,069 | 5   | 47,995 | 5   | 35,979 | 5   | 24,142 | 5   | 12,069 | 5   | 794    | 5   | 5      | 5   | 5      | 5   | 5      |
| 1/4 | 71,891 | 1/4 | 59,817 | 1/4 | 47,744 | 1/4 | 35,735 | 1/4 | 23,890 | 1/4 | 11,817 | 1/4 | 689    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 71,639 | 1/2 | 59,566 | 1/2 | 47,492 | 1/2 | 35,491 | 1/2 | 23,639 | 1/2 | 11,566 | 1/2 | 585    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 71,388 | 3/4 | 59,314 | 3/4 | 47,241 | 3/4 | 35,247 | 3/4 | 23,387 | 3/4 | 11,314 | 3/4 | 480    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 6   | 71,136 | 6   | 59,063 | 6   | 46,989 | 6   | 35,003 | 6   | 23,136 | 6   | 11,063 | 6   | 375    | 6   | 6      | 6   | 6      | 6   | 6      |
| 1/4 | 70,885 | 1/4 | 58,811 | 1/4 | 46,737 | 1/4 | 34,759 | 1/4 | 22,884 | 1/4 | 10,811 | 1/4 | 312    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 70,633 | 1/2 | 58,559 | 1/2 | 46,486 | 1/2 | 34,515 | 1/2 | 22,633 | 1/2 | 10,560 | 1/2 | 249    | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 70,381 | 3/4 | 58,308 | 3/4 | 46,234 | 3/4 | 34,271 | 3/4 | 22,381 | 3/4 | 10,308 | 3/4 | 186    | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 7   | 70,130 | 7   | 58,056 | 7   | 45,983 | 7   | 34,027 | 7   | 22,130 | 7   | 10,057 | 7   | 124    | 7   | 7      | 7   | 7      | 7   | 7      |
| 1/4 | 69,878 | 1/4 | 57,805 | 1/4 | 45,731 | 1/4 | 33,782 | 1/4 | 21,878 | 1/4 | 9,805  | 1/4 | 103    | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 69,627 | 1/2 | 57,553 | 1/2 | 45,480 | 1/2 | 33,538 | 1/2 | 21,627 | 1/2 | 9,554  | 1/2 | 82     | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 69,375 | 3/4 | 57,302 | 3/4 | 45,228 | 3/4 | 33,294 | 3/4 | 21,375 | 3/4 | 9,302  | 3/4 | 61     | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 8   | 69,124 | 8   | 57,050 | 8   | 44,977 | 8   | 33,050 | 8   | 21,124 | 8   | 9,051  | 8   | 39     | 8   | 8      | 8   | 8      | 8   | 8      |
| 1/4 | 68,872 | 1/4 | 56,799 | 1/4 | 44,725 | 1/4 | 32,806 | 1/4 | 20,872 | 1/4 | 8,799  | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 68,621 | 1/2 | 56,547 | 1/2 | 44,474 | 1/2 | 32,562 | 1/2 | 20,621 | 1/2 | 8,548  | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 68,369 | 3/4 | 56,296 | 3/4 | 44,222 | 3/4 | 32,318 | 3/4 | 20,369 | 3/4 | 8,296  | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 9   | 68,118 | 9   | 56,044 | 9   | 43,971 | 9   | 32,074 | 9   | 20,118 | 9   | 8,045  | 9   |        | 9   | 9      | 9   | 9      | 9   | 9      |
| 1/4 | 67,866 | 1/4 | 55,793 | 1/4 | 43,719 | 1/4 | 31,829 | 1/4 | 19,866 | 1/4 | 7,793  | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 67,615 | 1/2 | 55,541 | 1/2 | 43,468 | 1/2 | 31,585 | 1/2 | 19,615 | 1/2 | 7,542  | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 67,363 | 3/4 | 55,290 | 3/4 | 43,216 | 3/4 | 31,341 | 3/4 | 19,363 | 3/4 | 7,291  | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 10  | 67,112 | 10  | 55,038 | 10  | 42,964 | 10  | 31,097 | 10  | 19,111 | 10  | 7,039  | 10  |        | 10  | 10     | 10  | 10     | 10  | 10     |
| 1/4 | 66,860 | 1/4 | 54,786 | 1/4 | 42,713 | 1/4 | 30,853 | 1/4 | 18,860 | 1/4 | 6,789  | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 66,608 | 1/2 | 54,535 | 1/2 | 42,461 | 1/2 | 30,609 | 1/2 | 18,608 | 1/2 | 6,538  | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 66,357 | 3/4 | 54,283 | 3/4 | 42,210 | 3/4 | 30,365 | 3/4 | 18,357 | 3/4 | 6,287  | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |
| 11  | 66,105 | 11  | 54,032 | 11  | 41,958 | 11  | 30,121 | 11  | 18,105 | 11  | 6,036  | 11  |        | 11  | 11     | 11  | 11     | 11  | 11     |
| 1/4 | 65,854 | 1/4 | 53,780 | 1/4 | 41,707 | 1/4 | 29,877 | 1/4 | 17,854 | 1/4 | 5,786  | 1/4 |        | 1/4 | 1/4    | 1/4 | 1/4    | 1/4 | 1/4    |
| 1/2 | 65,602 | 1/2 | 53,529 | 1/2 | 41,455 | 1/2 | 29,632 | 1/2 | 17,602 | 1/2 | 5,536  | 1/2 |        | 1/2 | 1/2    | 1/2 | 1/2    | 1/2 | 1/2    |
| 3/4 | 65,351 | 3/4 | 53,277 | 3/4 | 41,204 | 3/4 | 29,388 | 3/4 | 17,351 | 3/4 | 5,286  | 3/4 |        | 3/4 | 3/4    | 3/4 | 3/4    | 3/4 | 3/4    |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/21/2012 CL - SW  
CALCULATED: 03/21/2012 CL  
PRINTED: 03/21/2012 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2012

PRECISION MEASUREMENT  
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# BARGE "CBC 1345"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/4"

| 0 FT. |     | 1 FT. |     | 2 FT. |         | 3 FT. |         | 4 FT. |         | 5 FT. |         | 6 FT. |         | 7 FT. |         | 8 FT. |        | 9 FT. |        |
|-------|-----|-------|-----|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|--------|-------|--------|
| IN    |     | IN    |     | IN    |         | IN    |         | IN    |         | IN    |         | IN    |         | IN    |         | IN    |        | IN    |        |
| 0     |     | 0     |     | 0     |         | 0     |         | 0     |         | 0     |         | 0     |         | 0     |         | 0     |        | 0     |        |
|       |     |       |     |       | 151,746 |       | 143,856 |       | 133,184 |       | 122,717 |       | 111,986 |       | 101,256 |       | 90,525 |       | 79,794 |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 151,731 | 1/4   | 143,834 | 1/4   | 133,164 | 1/4   | 122,697 | 1/4   | 111,966 | 1/4   | 101,236 | 1/4   | 90,505 | 1/4   | 79,774 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 151,715 | 1/2   | 143,814 | 1/2   | 133,144 | 1/2   | 122,677 | 1/2   | 111,946 | 1/2   | 101,216 | 1/2   | 90,485 | 1/2   | 79,754 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 151,700 | 3/4   | 143,794 | 3/4   | 133,124 | 3/4   | 122,657 | 3/4   | 111,926 | 3/4   | 101,196 | 3/4   | 90,465 | 3/4   | 79,734 |
| 1     |     | 1     |     | 1     |         | 1     |         | 1     |         | 1     |         | 1     |         | 1     |         | 1     |        | 1     |        |
|       |     |       |     |       | 151,685 |       | 142,967 |       | 132,295 |       | 121,599 |       | 110,869 |       | 100,138 |       | 89,408 |       | 78,677 |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 151,632 | 1/4   | 142,744 | 1/4   | 132,073 | 1/4   | 121,376 | 1/4   | 110,645 | 1/4   | 99,915  | 1/4   | 89,184 | 1/4   | 78,453 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 151,580 | 1/2   | 142,522 | 1/2   | 131,851 | 1/2   | 121,152 | 1/2   | 110,422 | 1/2   | 99,691  | 1/2   | 88,961 | 1/2   | 78,229 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 151,527 | 3/4   | 142,300 | 3/4   | 131,628 | 3/4   | 120,928 | 3/4   | 110,198 | 3/4   | 99,468  | 3/4   | 88,737 | 3/4   | 78,006 |
| 1     |     | 1     |     | 1     |         | 1     |         | 1     |         | 1     |         | 1     |         | 1     |         | 1     |        | 1     |        |
|       |     |       |     |       | 151,474 |       | 142,077 |       | 131,406 |       | 120,705 |       | 109,974 |       | 99,244  |       | 88,514 |       | 77,782 |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 151,385 | 1/4   | 141,855 | 1/4   | 131,184 | 1/4   | 120,481 | 1/4   | 109,751 | 1/4   | 99,020  | 1/4   | 88,290 | 1/4   | 77,559 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 151,295 | 1/2   | 141,633 | 1/2   | 130,961 | 1/2   | 120,258 | 1/2   | 109,527 | 1/2   | 98,797  | 1/2   | 88,066 | 1/2   | 77,335 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 151,205 | 3/4   | 141,411 | 3/4   | 130,739 | 3/4   | 120,034 | 3/4   | 109,304 | 3/4   | 98,573  | 3/4   | 87,843 | 3/4   | 77,111 |
| 1     |     | 1     |     | 1     |         | 1     |         | 1     |         | 1     |         | 1     |         | 1     |         | 1     |        | 1     |        |
|       |     |       |     |       | 151,115 |       | 141,188 |       | 130,517 |       | 119,811 |       | 109,080 |       | 98,350  |       | 87,619 |       | 76,888 |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 150,988 | 1/4   | 140,966 | 1/4   | 130,294 | 1/4   | 119,587 | 1/4   | 108,857 | 1/4   | 98,126  | 1/4   | 87,396 | 1/4   | 76,664 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 150,861 | 1/2   | 140,744 | 1/2   | 130,072 | 1/2   | 119,364 | 1/2   | 108,633 | 1/2   | 97,903  | 1/2   | 87,172 | 1/2   | 76,441 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 150,734 | 3/4   | 140,521 | 3/4   | 129,850 | 3/4   | 119,140 | 3/4   | 108,410 | 3/4   | 97,679  | 3/4   | 86,949 | 3/4   | 76,217 |
| 1     |     | 1     |     | 1     |         | 1     |         | 1     |         | 1     |         | 1     |         | 1     |         | 1     |        | 1     |        |
|       |     |       |     |       | 150,607 |       | 140,299 |       | 129,627 |       | 118,916 |       | 108,186 |       | 97,456  |       | 86,725 |       | 75,993 |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 150,442 | 1/4   | 140,077 | 1/4   | 129,405 | 1/4   | 118,693 | 1/4   | 107,962 | 1/4   | 97,232  | 1/4   | 86,502 | 1/4   | 75,770 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 150,278 | 1/2   | 139,854 | 1/2   | 129,183 | 1/2   | 118,469 | 1/2   | 107,739 | 1/2   | 97,008  | 1/2   | 86,278 | 1/2   | 75,546 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 150,114 | 3/4   | 139,632 | 3/4   | 128,960 | 3/4   | 118,246 | 3/4   | 107,515 | 3/4   | 96,785  | 3/4   | 86,054 | 3/4   | 75,323 |
| 1     |     | 1     |     | 1     |         | 1     |         | 1     |         | 1     |         | 1     |         | 1     |         | 1     |        | 1     |        |
|       |     |       |     |       | 149,949 |       | 139,410 |       | 128,738 |       | 118,022 |       | 107,292 |       | 96,561  |       | 85,831 |       | 75,099 |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 149,747 | 1/4   | 139,187 | 1/4   | 128,516 | 1/4   | 117,799 | 1/4   | 107,068 | 1/4   | 96,338  | 1/4   | 85,607 | 1/4   | 74,876 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 149,546 | 1/2   | 138,965 | 1/2   | 128,293 | 1/2   | 117,575 | 1/2   | 106,845 | 1/2   | 96,114  | 1/2   | 85,384 | 1/2   | 74,652 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 149,344 | 3/4   | 138,743 | 3/4   | 128,071 | 3/4   | 117,352 | 3/4   | 106,621 | 3/4   | 95,891  | 3/4   | 85,160 | 3/4   | 74,428 |
| 1     |     | 1     |     | 1     |         | 1     |         | 1     |         | 1     |         | 1     |         | 1     |         | 1     |        | 1     |        |
|       |     |       |     |       | 149,143 |       | 138,520 |       | 127,849 |       | 117,128 |       | 106,398 |       | 95,667  |       | 84,937 |       | 74,205 |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 148,922 | 1/4   | 138,298 | 1/4   | 127,626 | 1/4   | 116,904 | 1/4   | 106,174 | 1/4   | 95,444  | 1/4   | 84,713 | 1/4   | 73,981 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 148,702 | 1/2   | 138,076 | 1/2   | 127,404 | 1/2   | 116,681 | 1/2   | 105,950 | 1/2   | 95,220  | 1/2   | 84,490 | 1/2   | 73,758 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 148,482 | 3/4   | 137,853 | 3/4   | 127,182 | 3/4   | 116,457 | 3/4   | 105,727 | 3/4   | 94,996  | 3/4   | 84,266 | 3/4   | 73,534 |
| 1     |     | 1     |     | 1     |         | 1     |         | 1     |         | 1     |         | 1     |         | 1     |         | 1     |        | 1     |        |
|       |     |       |     |       | 148,262 |       | 137,631 |       | 126,959 |       | 116,234 |       | 105,503 |       | 94,773  |       | 84,043 |       | 73,310 |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 148,041 | 1/4   | 137,409 | 1/4   | 126,737 | 1/4   | 116,010 | 1/4   | 105,280 | 1/4   | 94,549  | 1/4   | 83,819 | 1/4   | 73,087 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 147,821 | 1/2   | 137,186 | 1/2   | 126,515 | 1/2   | 115,787 | 1/2   | 105,056 | 1/2   | 94,326  | 1/2   | 83,595 | 1/2   | 72,863 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 147,601 | 3/4   | 136,964 | 3/4   | 126,292 | 3/4   | 115,563 | 3/4   | 104,833 | 3/4   | 94,102  | 3/4   | 83,372 | 3/4   | 72,640 |
| 1     |     | 1     |     | 1     |         | 1     |         | 1     |         | 1     |         | 1     |         | 1     |         | 1     |        | 1     |        |
|       |     |       |     |       | 147,380 |       | 136,742 |       | 126,070 |       | 115,340 |       | 104,609 |       | 93,879  |       | 83,148 |       | 72,416 |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 147,160 | 1/4   | 136,519 | 1/4   | 125,847 | 1/4   | 115,116 | 1/4   | 104,386 | 1/4   | 93,655  | 1/4   | 82,925 | 1/4   | 72,192 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 146,940 | 1/2   | 136,297 | 1/2   | 125,623 | 1/2   | 114,893 | 1/2   | 104,162 | 1/2   | 93,432  | 1/2   | 82,701 | 1/2   | 71,969 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 146,720 | 3/4   | 136,075 | 3/4   | 125,399 | 3/4   | 114,669 | 3/4   | 103,939 | 3/4   | 93,208  | 3/4   | 82,478 | 3/4   | 71,745 |
| 1     |     | 1     |     | 1     |         | 1     |         | 1     |         | 1     |         | 1     |         | 1     |         | 1     |        | 1     |        |
|       |     |       |     |       | 146,499 |       | 135,852 |       | 125,176 |       | 114,445 |       | 103,715 |       | 92,985  |       | 82,254 |       | 71,522 |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 146,279 | 1/4   | 135,630 | 1/4   | 124,952 | 1/4   | 114,222 | 1/4   | 103,491 | 1/4   | 92,761  | 1/4   | 82,030 | 1/4   | 71,298 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 146,059 | 1/2   | 135,408 | 1/2   | 124,729 | 1/2   | 113,998 | 1/2   | 103,268 | 1/2   | 92,537  | 1/2   | 81,807 | 1/2   | 71,075 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 145,839 | 3/4   | 135,185 | 3/4   | 124,505 | 3/4   | 113,775 | 3/4   | 103,044 | 3/4   | 92,314  | 3/4   | 81,583 | 3/4   | 70,851 |
| 1     |     | 1     |     | 1     |         | 1     |         | 1     |         | 1     |         | 1     |         | 1     |         | 1     |        | 1     |        |
|       |     |       |     |       | 145,618 |       | 134,963 |       | 124,282 |       | 113,551 |       | 102,821 |       | 92,090  |       | 81,360 |       | 70,627 |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 145,398 | 1/4   | 134,741 | 1/4   | 124,058 | 1/4   | 113,328 | 1/4   | 102,597 | 1/4   | 91,867  | 1/4   | 81,136 | 1/4   | 70,404 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 145,178 | 1/2   | 134,518 | 1/2   | 123,835 | 1/2   | 113,104 | 1/2   | 102,374 | 1/2   | 91,643  | 1/2   | 80,912 | 1/2   | 70,180 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 144,957 | 3/4   | 134,296 | 3/4   | 123,611 | 3/4   | 112,881 | 3/4   | 102,150 | 3/4   | 91,420  | 3/4   | 80,689 | 3/4   | 69,957 |
| 1     |     | 1     |     | 1     |         | 1     |         | 1     |         | 1     |         | 1     |         | 1     |         | 1     |        | 1     |        |
|       |     |       |     |       | 144,737 |       | 134,074 |       | 123,387 |       | 112,657 |       | 101,927 |       | 91,196  |       | 80,465 |       | 69,733 |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 144,517 | 1/4   | 133,851 | 1/4   | 123,164 | 1/4   | 112,433 | 1/4   | 101,703 | 1/4   | 90,973  | 1/4   | 80,242 | 1/4   | 69,509 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 144,297 | 1/2   | 133,629 | 1/2   | 122,940 | 1/2   | 112,210 | 1/2   | 101,479 | 1/2   | 90,749  | 1/2   | 80,018 | 1/2   | 69,286 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   |         | 3/4   |         | 3/4   |         | 3/4   |         | 3/4   |         | 3/4   |         | 3/4   |        | 3/4   |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

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

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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Pearland, Texas 77588

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# BARGE "CBC 1345"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-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   | 69,062 | 0   | 58,330 | 0   | 47,598 | 0   | 36,865 | 0   | 26,155 | 0   | 15,427 | 0   | 4,703  | 0   |        | 0  |        | 0  |        |
| 1/4 | 68,839 | 1/4 | 58,106 | 1/4 | 47,374 | 1/4 | 36,642 | 1/4 | 25,933 | 1/4 | 15,204 | 1/4 | 4,481  | 1/4 | 1/4    |    | 1/4    |    | 1/4    |
| 1/2 | 68,615 | 1/2 | 57,883 | 1/2 | 47,151 | 1/2 | 36,418 | 1/2 | 25,709 | 1/2 | 14,980 | 1/2 | 4,260  | 1/2 | 1/2    |    | 1/2    |    | 1/2    |
| 3/4 | 68,391 | 3/4 | 57,659 | 3/4 | 46,927 | 3/4 | 36,195 | 3/4 | 25,486 | 3/4 | 14,756 | 3/4 | 4,038  | 3/4 | 3/4    |    | 3/4    |    | 3/4    |
| 1   | 68,168 | 1   | 57,436 | 1   | 46,703 | 1   | 35,971 | 1   | 25,263 | 1   | 14,533 | 1   | 3,817  | 1   | 1      |    | 1      |    | 1      |
| 1/4 | 67,944 | 1/4 | 57,212 | 1/4 | 46,480 | 1/4 | 35,747 | 1/4 | 25,040 | 1/4 | 14,309 | 1/4 | 3,596  | 1/4 | 1/4    |    | 1/4    |    | 1/4    |
| 1/2 | 67,721 | 1/2 | 56,988 | 1/2 | 46,256 | 1/2 | 35,524 | 1/2 | 24,816 | 1/2 | 14,086 | 1/2 | 3,377  | 1/2 | 1/2    |    | 1/2    |    | 1/2    |
| 3/4 | 67,497 | 3/4 | 56,765 | 3/4 | 46,033 | 3/4 | 35,300 | 3/4 | 24,593 | 3/4 | 13,862 | 3/4 | 3,158  | 3/4 | 3/4    |    | 3/4    |    | 3/4    |
| 2   | 67,273 | 2   | 56,541 | 2   | 45,809 | 2   | 35,077 | 2   | 24,370 | 2   | 13,639 | 2   | 2,939  | 2   | 2      |    | 2      |    | 2      |
| 1/4 | 67,050 | 1/4 | 56,318 | 1/4 | 45,585 | 1/4 | 34,853 | 1/4 | 24,147 | 1/4 | 13,415 | 1/4 | 2,720  | 1/4 | 1/4    |    | 1/4    |    | 1/4    |
| 1/2 | 66,826 | 1/2 | 56,094 | 1/2 | 45,362 | 1/2 | 34,630 | 1/2 | 23,923 | 1/2 | 13,191 | 1/2 | 2,515  | 1/2 | 1/2    |    | 1/2    |    | 1/2    |
| 3/4 | 66,603 | 3/4 | 55,870 | 3/4 | 45,138 | 3/4 | 34,406 | 3/4 | 23,700 | 3/4 | 12,968 | 3/4 | 2,311  | 3/4 | 3/4    |    | 3/4    |    | 3/4    |
| 3   | 66,379 | 3   | 55,647 | 3   | 44,915 | 3   | 34,182 | 3   | 23,476 | 3   | 12,744 | 3   | 2,107  | 3   | 3      |    | 3      |    | 3      |
| 1/4 | 66,156 | 1/4 | 55,423 | 1/4 | 44,691 | 1/4 | 33,959 | 1/4 | 23,252 | 1/4 | 12,521 | 1/4 | 1,902  | 1/4 | 1/4    |    | 1/4    |    | 1/4    |
| 1/2 | 65,932 | 1/2 | 55,200 | 1/2 | 44,467 | 1/2 | 33,735 | 1/2 | 23,029 | 1/2 | 12,297 | 1/2 | 1,735  | 1/2 | 1/2    |    | 1/2    |    | 1/2    |
| 3/4 | 65,708 | 3/4 | 54,976 | 3/4 | 44,244 | 3/4 | 33,512 | 3/4 | 22,805 | 3/4 | 12,073 | 3/4 | 1,567  | 3/4 | 3/4    |    | 3/4    |    | 3/4    |
| 4   | 65,485 | 4   | 54,753 | 4   | 44,020 | 4   | 33,288 | 4   | 22,582 | 4   | 11,850 | 4   | 1,399  | 4   | 4      |    | 4      |    | 4      |
| 1/4 | 65,261 | 1/4 | 54,529 | 1/4 | 43,797 | 1/4 | 33,064 | 1/4 | 22,358 | 1/4 | 11,626 | 1/4 | 1,232  | 1/4 | 1/4    |    | 1/4    |    | 1/4    |
| 1/2 | 65,038 | 1/2 | 54,305 | 1/2 | 43,573 | 1/2 | 32,842 | 1/2 | 22,135 | 1/2 | 11,403 | 1/2 | 1,101  | 1/2 | 1/2    |    | 1/2    |    | 1/2    |
| 3/4 | 64,814 | 3/4 | 54,082 | 3/4 | 43,349 | 3/4 | 32,619 | 3/4 | 21,911 | 3/4 | 11,179 | 3/4 | 971    | 3/4 | 3/4    |    | 3/4    |    | 3/4    |
| 5   | 64,590 | 5   | 53,858 | 5   | 43,126 | 5   | 32,396 | 5   | 21,687 | 5   | 10,956 | 5   | 840    | 5   | 5      |    | 5      |    | 5      |
| 1/4 | 64,367 | 1/4 | 53,635 | 1/4 | 42,902 | 1/4 | 32,173 | 1/4 | 21,464 | 1/4 | 10,732 | 1/4 | 710    | 1/4 | 1/4    |    | 1/4    |    | 1/4    |
| 1/2 | 64,143 | 1/2 | 53,411 | 1/2 | 42,679 | 1/2 | 31,950 | 1/2 | 21,240 | 1/2 | 10,508 | 1/2 | 617    | 1/2 | 1/2    |    | 1/2    |    | 1/2    |
| 3/4 | 63,920 | 3/4 | 53,187 | 3/4 | 42,455 | 3/4 | 31,727 | 3/4 | 21,017 | 3/4 | 10,285 | 3/4 | 524    | 3/4 | 3/4    |    | 3/4    |    | 3/4    |
| 6   | 63,696 | 6   | 52,964 | 6   | 42,232 | 6   | 31,504 | 6   | 20,793 | 6   | 10,061 | 6   | 430    | 6   | 6      |    | 6      |    | 6      |
| 1/4 | 63,472 | 1/4 | 52,740 | 1/4 | 42,008 | 1/4 | 31,281 | 1/4 | 20,569 | 1/4 | 9,838  | 1/4 | 337    | 1/4 | 1/4    |    | 1/4    |    | 1/4    |
| 1/2 | 63,249 | 1/2 | 52,517 | 1/2 | 41,784 | 1/2 | 31,059 | 1/2 | 20,346 | 1/2 | 9,614  | 1/2 | 281    | 1/2 | 1/2    |    | 1/2    |    | 1/2    |
| 3/4 | 63,025 | 3/4 | 52,293 | 3/4 | 41,561 | 3/4 | 30,836 | 3/4 | 20,122 | 3/4 | 9,390  | 3/4 | 226    | 3/4 | 3/4    |    | 3/4    |    | 3/4    |
| 7   | 62,802 | 7   | 52,069 | 7   | 41,337 | 7   | 30,613 | 7   | 19,899 | 7   | 9,167  | 7   | 170    | 7   | 7      |    | 7      |    | 7      |
| 1/4 | 62,578 | 1/4 | 51,846 | 1/4 | 41,114 | 1/4 | 30,390 | 1/4 | 19,675 | 1/4 | 8,943  | 1/4 | 114    | 1/4 | 1/4    |    | 1/4    |    | 1/4    |
| 1/2 | 62,355 | 1/2 | 51,622 | 1/2 | 40,890 | 1/2 | 30,167 | 1/2 | 19,452 | 1/2 | 8,720  | 1/2 | 95     | 1/2 | 1/2    |    | 1/2    |    | 1/2    |
| 3/4 | 62,131 | 3/4 | 51,399 | 3/4 | 40,666 | 3/4 | 29,944 | 3/4 | 19,228 | 3/4 | 8,496  | 3/4 | 77     | 3/4 | 3/4    |    | 3/4    |    | 3/4    |
| 8   | 61,907 | 8   | 51,175 | 8   | 40,443 | 8   | 29,721 | 8   | 19,004 | 8   | 8,273  | 8   | 58     | 8   | 8      |    | 8      |    | 8      |
| 1/4 | 61,684 | 1/4 | 50,952 | 1/4 | 40,219 | 1/4 | 29,498 | 1/4 | 18,781 | 1/4 | 8,049  | 1/4 | 39     | 1/4 | 1/4    |    | 1/4    |    | 1/4    |
| 1/2 | 61,460 | 1/2 | 50,728 | 1/2 | 39,996 | 1/2 | 29,276 | 1/2 | 18,557 | 1/2 | 7,825  | 1/2 |        | 1/2 | 1/2    |    | 1/2    |    | 1/2    |
| 3/4 | 61,237 | 3/4 | 50,504 | 3/4 | 39,772 | 3/4 | 29,053 | 3/4 | 18,334 | 3/4 | 7,602  | 3/4 |        | 3/4 | 3/4    |    | 3/4    |    | 3/4    |
| 9   | 61,013 | 9   | 50,281 | 9   | 39,548 | 9   | 28,830 | 9   | 18,110 | 9   | 7,378  | 9   |        | 9   | 9      |    | 9      |    | 9      |
| 1/4 | 60,789 | 1/4 | 50,057 | 1/4 | 39,325 | 1/4 | 28,607 | 1/4 | 17,887 | 1/4 | 7,155  | 1/4 |        | 1/4 | 1/4    |    | 1/4    |    | 1/4    |
| 1/2 | 60,566 | 1/2 | 49,834 | 1/2 | 39,101 | 1/2 | 28,384 | 1/2 | 17,663 | 1/2 | 6,931  | 1/2 |        | 1/2 | 1/2    |    | 1/2    |    | 1/2    |
| 3/4 | 60,342 | 3/4 | 49,610 | 3/4 | 38,878 | 3/4 | 28,161 | 3/4 | 17,439 | 3/4 | 6,708  | 3/4 |        | 3/4 | 3/4    |    | 3/4    |    | 3/4    |
| 10  | 60,119 | 10  | 49,386 | 10  | 38,654 | 10  | 27,938 | 10  | 17,216 | 10  | 6,485  | 10  |        | 10  | 10     |    | 10     |    | 10     |
| 1/4 | 59,895 | 1/4 | 49,163 | 1/4 | 38,431 | 1/4 | 27,716 | 1/4 | 16,992 | 1/4 | 6,261  | 1/4 |        | 1/4 | 1/4    |    | 1/4    |    | 1/4    |
| 1/2 | 59,671 | 1/2 | 48,939 | 1/2 | 38,207 | 1/2 | 27,493 | 1/2 | 16,769 | 1/2 | 6,038  | 1/2 |        | 1/2 | 1/2    |    | 1/2    |    | 1/2    |
| 3/4 | 59,448 | 3/4 | 48,716 | 3/4 | 37,983 | 3/4 | 27,270 | 3/4 | 16,545 | 3/4 | 5,815  | 3/4 |        | 3/4 | 3/4    |    | 3/4    |    | 3/4    |
| 11  | 59,224 | 11  | 48,492 | 11  | 37,760 | 11  | 27,047 | 11  | 16,321 | 11  | 5,592  | 11  |        | 11  | 11     |    | 11     |    | 11     |
| 1/4 | 59,001 | 1/4 | 48,268 | 1/4 | 37,536 | 1/4 | 26,824 | 1/4 | 16,098 | 1/4 | 5,369  | 1/4 |        | 1/4 | 1/4    |    | 1/4    |    | 1/4    |
| 1/2 | 58,777 | 1/2 | 48,045 | 1/2 | 37,313 | 1/2 | 26,601 | 1/2 | 15,874 | 1/2 | 5,147  | 1/2 |        | 1/2 | 1/2    |    | 1/2    |    | 1/2    |
| 3/4 | 58,554 | 3/4 | 47,821 | 3/4 | 37,089 | 3/4 | 26,378 | 3/4 | 15,651 | 3/4 | 4,925  | 3/4 |        | 3/4 | 3/4    |    | 3/4    |    | 3/4    |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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PRINTED: 03/21/2012 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2012

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