



BARGE "IB 1065"

ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 163'-00"

September 6, 2013

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "IB 1065"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-05 3/4"

| 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 | 158,651 | 0 | 149,217 | 0 | 138,573 | 0 | 127,928 | 0 | 116,702 | 0 | 104,252 | 0 | 91,802 | 0 | 79,352 | 0 | 66,911 | |
| 1/4 | 1/4 | 158,612 | 1/4 | 148,996 | 1/4 | 138,351 | 1/4 | 127,706 | 1/4 | 116,443 | 1/4 | 103,993 | 1/4 | 91,543 | 1/4 | 79,092 | 1/4 | 66,652 | | |
| 1/2 | 1/2 | 158,574 | 1/2 | 148,774 | 1/2 | 138,129 | 1/2 | 127,485 | 1/2 | 116,184 | 1/2 | 103,733 | 1/2 | 91,284 | 1/2 | 78,833 | 1/2 | 66,393 | | |
| 3/4 | 3/4 | 158,535 | 3/4 | 148,552 | 3/4 | 137,907 | 3/4 | 127,263 | 3/4 | 115,924 | 3/4 | 103,474 | 3/4 | 91,024 | 3/4 | 78,574 | 3/4 | 66,134 | | |
| 1 | | 1 | 158,433 | 1 | 148,330 | 1 | 137,686 | 1 | 127,041 | 1 | 115,665 | 1 | 103,214 | 1 | 90,765 | 1 | 78,314 | 1 | 65,876 | |
| 1/4 | 1/4 | 158,330 | 1/4 | 148,108 | 1/4 | 137,464 | 1/4 | 126,819 | 1/4 | 115,405 | 1/4 | 102,955 | 1/4 | 90,505 | 1/4 | 78,055 | 1/4 | 65,617 | | |
| 1/2 | 1/2 | 158,227 | 1/2 | 147,887 | 1/2 | 137,242 | 1/2 | 126,598 | 1/2 | 115,146 | 1/2 | 102,696 | 1/2 | 90,246 | 1/2 | 77,796 | 1/2 | 65,358 | | |
| 3/4 | 3/4 | 158,125 | 3/4 | 147,665 | 3/4 | 137,020 | 3/4 | 126,376 | 3/4 | 114,887 | 3/4 | 102,436 | 3/4 | 89,987 | 3/4 | 77,536 | 3/4 | 65,099 | | |
| 2 | | 2 | 157,943 | 2 | 147,443 | 2 | 136,799 | 2 | 126,154 | 2 | 114,627 | 2 | 102,177 | 2 | 89,727 | 2 | 77,277 | 2 | 64,840 | |
| 1/4 | 1/4 | 157,762 | 1/4 | 147,221 | 1/4 | 136,577 | 1/4 | 125,932 | 1/4 | 114,368 | 1/4 | 101,918 | 1/4 | 89,468 | 1/4 | 77,017 | 1/4 | 64,582 | | |
| 1/2 | 1/2 | 157,580 | 1/2 | 147,000 | 1/2 | 136,355 | 1/2 | 125,710 | 1/2 | 114,109 | 1/2 | 101,658 | 1/2 | 89,208 | 1/2 | 76,758 | 1/2 | 64,323 | | |
| 3/4 | 3/4 | 157,398 | 3/4 | 146,778 | 3/4 | 136,133 | 3/4 | 125,489 | 3/4 | 113,849 | 3/4 | 101,399 | 3/4 | 88,949 | 3/4 | 76,499 | 3/4 | 64,064 | | |
| 3 | | 3 | 157,182 | 3 | 146,556 | 3 | 135,912 | 3 | 125,267 | 3 | 113,590 | 3 | 101,139 | 3 | 88,690 | 3 | 76,239 | 3 | 63,805 | |
| 1/4 | 1/4 | 156,966 | 1/4 | 146,334 | 1/4 | 135,690 | 1/4 | 125,045 | 1/4 | 113,330 | 1/4 | 100,880 | 1/4 | 88,430 | 1/4 | 75,980 | 1/4 | 63,546 | | |
| 1/2 | 1/2 | 156,749 | 1/2 | 146,113 | 1/2 | 135,468 | 1/2 | 124,823 | 1/2 | 113,071 | 1/2 | 100,621 | 1/2 | 88,171 | 1/2 | 75,720 | 1/2 | 63,288 | | |
| 3/4 | 3/4 | 156,533 | 3/4 | 145,891 | 3/4 | 135,246 | 3/4 | 124,602 | 3/4 | 112,812 | 3/4 | 100,361 | 3/4 | 87,912 | 3/4 | 75,461 | 3/4 | 63,029 | | |
| 4 | | 4 | 156,312 | 4 | 145,669 | 4 | 135,024 | 4 | 124,380 | 4 | 112,552 | 4 | 100,102 | 4 | 87,652 | 4 | 75,202 | 4 | 62,770 | |
| 1/4 | 1/4 | 156,090 | 1/4 | 145,447 | 1/4 | 134,803 | 1/4 | 124,158 | 1/4 | 112,293 | 1/4 | 99,843 | 1/4 | 87,393 | 1/4 | 74,942 | 1/4 | 62,511 | | |
| 1/2 | 1/2 | 155,869 | 1/2 | 145,226 | 1/2 | 134,581 | 1/2 | 123,936 | 1/2 | 112,033 | 1/2 | 99,583 | 1/2 | 87,133 | 1/2 | 74,683 | 1/2 | 62,253 | | |
| 3/4 | 3/4 | 155,648 | 3/4 | 145,004 | 3/4 | 134,359 | 3/4 | 123,715 | 3/4 | 111,774 | 3/4 | 99,324 | 3/4 | 86,874 | 3/4 | 74,424 | 3/4 | 61,994 | | |
| 5 | | 5 | 155,426 | 5 | 144,782 | 5 | 134,137 | 5 | 123,493 | 5 | 111,515 | 5 | 99,065 | 5 | 86,615 | 5 | 74,164 | 5 | 61,735 | |
| 1/4 | 1/4 | 155,205 | 1/4 | 144,560 | 1/4 | 133,916 | 1/4 | 123,271 | 1/4 | 111,255 | 1/4 | 98,805 | 1/4 | 86,355 | 1/4 | 73,905 | 1/4 | 61,476 | | |
| 1/2 | 1/2 | 154,983 | 1/2 | 144,339 | 1/2 | 133,694 | 1/2 | 123,049 | 1/2 | 110,996 | 1/2 | 98,546 | 1/2 | 86,096 | 1/2 | 73,645 | 1/2 | 61,217 | | |
| 3/4 | 3/4 | 154,761 | 3/4 | 144,117 | 3/4 | 133,472 | 3/4 | 122,828 | 3/4 | 110,737 | 3/4 | 98,287 | 3/4 | 85,836 | 3/4 | 73,386 | 3/4 | 60,959 | | |
| 6 | | 6 | 154,540 | 6 | 143,895 | 6 | 133,250 | 6 | 122,606 | 6 | 110,477 | 6 | 98,027 | 6 | 85,577 | 6 | 73,127 | 6 | 60,700 | |
| 1/4 | 1/4 | 154,318 | 1/4 | 143,673 | 1/4 | 133,029 | 1/4 | 122,384 | 1/4 | 110,218 | 1/4 | 97,768 | 1/4 | 85,318 | 1/4 | 72,867 | 1/4 | 60,440 | | |
| 1/2 | 1/2 | 154,096 | 1/2 | 143,451 | 1/2 | 132,807 | 1/2 | 122,162 | 1/2 | 109,958 | 1/2 | 97,508 | 1/2 | 85,058 | 1/2 | 72,608 | 1/2 | 60,181 | | |
| 3/4 | 3/4 | 153,874 | 3/4 | 143,230 | 3/4 | 132,585 | 3/4 | 121,941 | 3/4 | 109,699 | 3/4 | 97,249 | 3/4 | 84,799 | 3/4 | 72,348 | 3/4 | 59,922 | | |
| 7 | | 7 | 153,653 | 7 | 143,008 | 7 | 132,363 | 7 | 121,719 | 7 | 109,440 | 7 | 96,990 | 7 | 84,540 | 7 | 72,089 | 7 | 59,663 | |
| 1/4 | 1/4 | 153,431 | 1/4 | 142,786 | 1/4 | 132,142 | 1/4 | 121,498 | 1/4 | 109,180 | 1/4 | 96,730 | 1/4 | 84,280 | 1/4 | 71,830 | 1/4 | 59,404 | | |
| 1/2 | 1/2 | 153,209 | 1/2 | 142,564 | 1/2 | 131,920 | 1/2 | 121,276 | 1/2 | 108,921 | 1/2 | 96,471 | 1/2 | 84,021 | 1/2 | 71,570 | 1/2 | 59,145 | | |
| 3/4 | 3/4 | 152,987 | 3/4 | 142,343 | 3/4 | 131,698 | 3/4 | 121,055 | 3/4 | 108,661 | 3/4 | 96,212 | 3/4 | 83,761 | 3/4 | 71,311 | 3/4 | 58,885 | | |
| 8 | | 8 | 152,766 | 8 | 142,121 | 8 | 131,476 | 8 | 120,810 | 8 | 108,402 | 8 | 95,952 | 8 | 83,502 | 8 | 71,052 | 8 | 58,626 | |
| 1/4 | 1/4 | 152,544 | 1/4 | 141,899 | 1/4 | 131,255 | 1/4 | 120,565 | 1/4 | 108,143 | 1/4 | 95,693 | 1/4 | 83,243 | 1/4 | 70,793 | 1/4 | 58,367 | | |
| 1/2 | 1/2 | 152,322 | 1/2 | 141,677 | 1/2 | 131,033 | 1/2 | 120,319 | 1/2 | 107,883 | 1/2 | 95,434 | 1/2 | 82,983 | 1/2 | 70,534 | 1/2 | 58,108 | | |
| 3/4 | 3/4 | 152,100 | 3/4 | 141,456 | 3/4 | 130,811 | 3/4 | 120,074 | 3/4 | 107,624 | 3/4 | 95,174 | 3/4 | 82,724 | 3/4 | 70,275 | 3/4 | 57,848 | | |
| 9 | | 9 | 151,878 | 9 | 141,234 | 9 | 130,589 | 9 | 119,815 | 9 | 107,365 | 9 | 94,915 | 9 | 82,464 | 9 | 70,016 | 9 | 57,589 | |
| 1/4 | 1/4 | 151,657 | 1/4 | 141,012 | 1/4 | 130,367 | 1/4 | 119,556 | 1/4 | 107,105 | 1/4 | 94,656 | 1/4 | 82,205 | 1/4 | 69,757 | 1/4 | 57,330 | | |
| 1/2 | 1/2 | 151,435 | 1/2 | 140,790 | 1/2 | 130,146 | 1/2 | 119,296 | 1/2 | 106,846 | 1/2 | 94,396 | 1/2 | 81,946 | 1/2 | 69,498 | 1/2 | 57,071 | | |
| 3/4 | 3/4 | 151,213 | 3/4 | 140,569 | 3/4 | 129,924 | 3/4 | 119,037 | 3/4 | 106,586 | 3/4 | 94,137 | 3/4 | 81,686 | 3/4 | 69,240 | 3/4 | 56,811 | | |
| 10 | | 10 | 150,991 | 10 | 140,347 | 10 | 129,702 | 10 | 118,777 | 10 | 106,327 | 10 | 93,877 | 10 | 81,427 | 10 | 68,981 | 10 | 56,552 | |
| 1/4 | 1/4 | 150,770 | 1/4 | 140,125 | 1/4 | 129,480 | 1/4 | 118,518 | 1/4 | 106,068 | 1/4 | 93,618 | 1/4 | 81,168 | 1/4 | 68,722 | 1/4 | 56,293 | | |
| 1/2 | 1/2 | 150,548 | 1/2 | 139,903 | 1/2 | 129,259 | 1/2 | 118,259 | 1/2 | 105,808 | 1/2 | 93,359 | 1/2 | 80,908 | 1/2 | 68,463 | 1/2 | 56,033 | | |
| 3/4 | 3/4 | 150,326 | 3/4 | 139,682 | 3/4 | 129,037 | 3/4 | 117,999 | 3/4 | 105,549 | 3/4 | 93,099 | 3/4 | 80,649 | 3/4 | 68,205 | 3/4 | 55,774 | | |
| 11 | | 11 | 150,104 | 11 | 139,460 | 11 | 128,815 | 11 | 117,740 | 11 | 105,289 | 11 | 92,840 | 11 | 80,389 | 11 | 67,946 | 11 | 55,515 | |
| 1/4 | 1/4 | 149,883 | 1/4 | 139,238 | 1/4 | 128,593 | 1/4 | 117,481 | 1/4 | 105,030 | 1/4 | 92,580 | 1/4 | 80,130 | 1/4 | 67,687 | 1/4 | 55,256 | | |
| 1/2 | 1/2 | 149,661 | 1/2 | 139,016 | 1/2 | 128,372 | 1/2 | 117,221 | 1/2 | 104,771 | 1/2 | 92,321 | 1/2 | 79,871 | 1/2 | 67,428 | 1/2 | 54,996 | | |
| 3/4 | 3/4 | 158,689 | 3/4 | 149,439 | 3/4 | 138,794 | 3/4 | 128,150 | 3/4 | 116,962 | 3/4 | 104,511 | 3/4 | 92,062 | 3/4 | 79,611 | 3/4 | 67,169 | 3/4 | 54,737 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "IB 1065"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-05 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 | 54,478 | 0 | 42,034 | 0 | 29,832 | 0 | 17,388 | 0 | 4,936 | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 54,219 | 1/4 | 41,774 | 1/4 | 29,575 | 1/4 | 17,129 | 1/4 | 4,678 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 53,959 | 1/2 | 41,515 | 1/2 | 29,318 | 1/2 | 16,870 | 1/2 | 4,419 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 53,700 | 3/4 | 41,256 | 3/4 | 29,061 | 3/4 | 16,610 | 3/4 | 4,161 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 53,441 | 1 | 40,997 | 1 | 28,802 | 1 | 16,351 | 1 | 3,903 | 1 | | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 53,182 | 1/4 | 40,737 | 1/4 | 28,542 | 1/4 | 16,091 | 1/4 | 3,646 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 52,922 | 1/2 | 40,478 | 1/2 | 28,283 | 1/2 | 15,832 | 1/2 | 3,388 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 52,663 | 3/4 | 40,219 | 3/4 | 28,023 | 3/4 | 15,573 | 3/4 | 3,131 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 52,404 | 2 | 39,964 | 2 | 27,764 | 2 | 15,313 | 2 | 2,876 | 2 | | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 52,145 | 1/4 | 39,708 | 1/4 | 27,505 | 1/4 | 15,054 | 1/4 | 2,620 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 51,885 | 1/2 | 39,453 | 1/2 | 27,245 | 1/2 | 14,794 | 1/2 | 2,365 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 51,626 | 3/4 | 39,197 | 3/4 | 26,986 | 3/4 | 14,535 | 3/4 | 2,109 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 51,367 | 3 | 38,944 | 3 | 26,727 | 3 | 14,276 | 3 | 1,879 | 3 | | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 51,108 | 1/4 | 38,691 | 1/4 | 26,467 | 1/4 | 14,016 | 1/4 | 1,648 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 50,848 | 1/2 | 38,438 | 1/2 | 26,208 | 1/2 | 13,757 | 1/2 | 1,418 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 50,589 | 3/4 | 38,185 | 3/4 | 25,948 | 3/4 | 13,497 | 3/4 | 1,187 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 50,330 | 4 | 37,932 | 4 | 25,689 | 4 | 13,238 | 4 | 1,025 | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 50,071 | 1/4 | 37,679 | 1/4 | 25,430 | 1/4 | 12,979 | 1/4 | 863 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 49,811 | 1/2 | 37,426 | 1/2 | 25,170 | 1/2 | 12,719 | 1/2 | 700 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 49,552 | 3/4 | 37,173 | 3/4 | 24,911 | 3/4 | 12,460 | 3/4 | 538 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 49,293 | 5 | 36,920 | 5 | 24,651 | 5 | 12,200 | 5 | 462 | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 49,034 | 1/4 | 36,667 | 1/4 | 24,392 | 1/4 | 11,941 | 1/4 | 386 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 48,774 | 1/2 | 36,414 | 1/2 | 24,133 | 1/2 | 11,682 | 1/2 | 311 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 48,515 | 3/4 | 36,161 | 3/4 | 23,873 | 3/4 | 11,422 | 3/4 | 235 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 48,256 | 6 | 35,908 | 6 | 23,614 | 6 | 11,163 | 6 | | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 47,997 | 1/4 | 35,655 | 1/4 | 23,354 | 1/4 | 10,903 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 47,737 | 1/2 | 35,402 | 1/2 | 23,095 | 1/2 | 10,644 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 47,478 | 3/4 | 35,149 | 3/4 | 22,836 | 3/4 | 10,385 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 47,219 | 7 | 34,896 | 7 | 22,576 | 7 | 10,125 | 7 | | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 46,960 | 1/4 | 34,643 | 1/4 | 22,317 | 1/4 | 9,865 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 46,700 | 1/2 | 34,390 | 1/2 | 22,057 | 1/2 | 9,606 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 46,441 | 3/4 | 34,137 | 3/4 | 21,798 | 3/4 | 9,346 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 46,182 | 8 | 33,884 | 8 | 21,539 | 8 | 9,087 | 8 | | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 45,923 | 1/4 | 33,631 | 1/4 | 21,279 | 1/4 | 8,827 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 45,663 | 1/2 | 33,378 | 1/2 | 21,020 | 1/2 | 8,567 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 45,404 | 3/4 | 33,125 | 3/4 | 20,760 | 3/4 | 8,308 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 45,145 | 9 | 32,872 | 9 | 20,501 | 9 | 8,048 | 9 | | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 44,885 | 1/4 | 32,619 | 1/4 | 20,242 | 1/4 | 7,789 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 44,626 | 1/2 | 32,366 | 1/2 | 19,982 | 1/2 | 7,529 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 44,367 | 3/4 | 32,113 | 3/4 | 19,723 | 3/4 | 7,270 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 44,108 | 10 | 31,860 | 10 | 19,463 | 10 | 7,010 | 10 | | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 43,848 | 1/4 | 31,607 | 1/4 | 19,204 | 1/4 | 6,751 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 43,589 | 1/2 | 31,354 | 1/2 | 18,945 | 1/2 | 6,491 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 43,330 | 3/4 | 31,101 | 3/4 | 18,685 | 3/4 | 6,232 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 43,071 | 11 | 30,848 | 11 | 18,426 | 11 | 5,973 | 11 | | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 42,811 | 1/4 | 30,595 | 1/4 | 18,167 | 1/4 | 5,713 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 42,552 | 1/2 | 30,342 | 1/2 | 17,907 | 1/2 | 5,454 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 42,293 | 3/4 | 30,089 | 3/4 | 17,648 | 3/4 | 5,195 | 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: 09/05/2013 SW
CALCULATED: 09/06/2013 CL
PRINTED: 09/06/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2013

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



BARGE "IB 1065"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-07"

| 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 | 138,081 | 0 | 127,004 | 0 | 115,927 | 0 | 104,850 | 0 | 93,772 | 0 | 82,695 | 0 | 71,618 | 0 | 60,541 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 137,850 | 1/4 | 126,773 | 1/4 | 115,696 | 1/4 | 104,619 | 1/4 | 93,542 | 1/4 | 82,464 | 1/4 | 71,387 | 1/4 | 60,310 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 137,619 | 1/2 | 126,542 | 1/2 | 115,465 | 1/2 | 104,388 | 1/2 | 93,311 | 1/2 | 82,234 | 1/2 | 71,157 | 1/2 | 60,079 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 137,389 | 3/4 | 126,312 | 3/4 | 115,234 | 3/4 | 104,157 | 3/4 | 93,080 | 3/4 | 82,003 | 3/4 | 70,926 | 3/4 | 59,849 |
| 1 | | 1 | 146,946 | 1 | 137,158 | 1 | 126,081 | 1 | 115,004 | 1 | 103,926 | 1 | 92,849 | 1 | 81,772 | 1 | 70,695 | 1 | 59,618 |
| 1/4 | 1/4 | 1/4 | 146,891 | 1/4 | 136,927 | 1/4 | 125,850 | 1/4 | 114,773 | 1/4 | 103,696 | 1/4 | 92,619 | 1/4 | 81,541 | 1/4 | 70,464 | 1/4 | 59,387 |
| 1/2 | 1/2 | 1/2 | 146,835 | 1/2 | 136,696 | 1/2 | 125,619 | 1/2 | 114,542 | 1/2 | 103,465 | 1/2 | 92,388 | 1/2 | 81,311 | 1/2 | 70,233 | 1/2 | 59,156 |
| 3/4 | 3/4 | 3/4 | 146,780 | 3/4 | 136,466 | 3/4 | 125,388 | 3/4 | 114,311 | 3/4 | 103,234 | 3/4 | 92,157 | 3/4 | 81,080 | 3/4 | 70,003 | 3/4 | 58,926 |
| 2 | | 2 | 146,725 | 2 | 136,235 | 2 | 125,158 | 2 | 114,081 | 2 | 103,003 | 2 | 91,926 | 2 | 80,849 | 2 | 69,772 | 2 | 58,695 |
| 1/4 | 1/4 | 1/4 | 146,600 | 1/4 | 136,004 | 1/4 | 124,927 | 1/4 | 113,850 | 1/4 | 102,773 | 1/4 | 91,695 | 1/4 | 80,618 | 1/4 | 69,541 | 1/4 | 58,464 |
| 1/2 | 1/2 | 1/2 | 146,475 | 1/2 | 135,773 | 1/2 | 124,696 | 1/2 | 113,619 | 1/2 | 102,542 | 1/2 | 91,465 | 1/2 | 80,387 | 1/2 | 69,310 | 1/2 | 58,233 |
| 3/4 | 3/4 | 3/4 | 146,350 | 3/4 | 135,543 | 3/4 | 124,465 | 3/4 | 113,388 | 3/4 | 102,311 | 3/4 | 91,234 | 3/4 | 80,157 | 3/4 | 69,080 | 3/4 | 58,002 |
| 3 | | 3 | 146,225 | 3 | 135,312 | 3 | 124,235 | 3 | 113,157 | 3 | 102,080 | 3 | 91,003 | 3 | 79,926 | 3 | 68,849 | 3 | 57,772 |
| 1/4 | 1/4 | 1/4 | 146,030 | 1/4 | 135,081 | 1/4 | 124,004 | 1/4 | 112,927 | 1/4 | 101,849 | 1/4 | 90,772 | 1/4 | 79,695 | 1/4 | 68,618 | 1/4 | 57,541 |
| 1/2 | 1/2 | 1/2 | 145,835 | 1/2 | 134,850 | 1/2 | 123,773 | 1/2 | 112,696 | 1/2 | 101,619 | 1/2 | 90,542 | 1/2 | 79,464 | 1/2 | 68,387 | 1/2 | 57,310 |
| 3/4 | 3/4 | 3/4 | 145,639 | 3/4 | 134,619 | 3/4 | 123,542 | 3/4 | 112,465 | 3/4 | 101,388 | 3/4 | 90,311 | 3/4 | 79,234 | 3/4 | 68,156 | 3/4 | 57,079 |
| 4 | | 4 | 145,444 | 4 | 134,389 | 4 | 123,311 | 4 | 112,234 | 4 | 101,157 | 4 | 90,080 | 4 | 79,003 | 4 | 67,926 | 4 | 56,849 |
| 1/4 | 1/4 | 1/4 | 145,218 | 1/4 | 134,158 | 1/4 | 123,081 | 1/4 | 112,004 | 1/4 | 100,926 | 1/4 | 89,849 | 1/4 | 78,772 | 1/4 | 67,695 | 1/4 | 56,618 |
| 1/2 | 1/2 | 1/2 | 144,992 | 1/2 | 133,927 | 1/2 | 122,850 | 1/2 | 111,773 | 1/2 | 100,696 | 1/2 | 89,618 | 1/2 | 78,541 | 1/2 | 67,464 | 1/2 | 56,387 |
| 3/4 | 3/4 | 3/4 | 144,766 | 3/4 | 133,696 | 3/4 | 122,619 | 3/4 | 111,542 | 3/4 | 100,465 | 3/4 | 89,388 | 3/4 | 78,311 | 3/4 | 67,233 | 3/4 | 56,156 |
| 5 | | 5 | 144,540 | 5 | 133,466 | 5 | 122,388 | 5 | 111,311 | 5 | 100,234 | 5 | 89,157 | 5 | 78,080 | 5 | 67,003 | 5 | 55,925 |
| 1/4 | 1/4 | 1/4 | 144,310 | 1/4 | 133,235 | 1/4 | 122,158 | 1/4 | 111,080 | 1/4 | 100,003 | 1/4 | 88,926 | 1/4 | 77,849 | 1/4 | 66,772 | 1/4 | 55,695 |
| 1/2 | 1/2 | 1/2 | 144,080 | 1/2 | 133,004 | 1/2 | 121,927 | 1/2 | 110,850 | 1/2 | 99,773 | 1/2 | 88,695 | 1/2 | 77,618 | 1/2 | 66,541 | 1/2 | 55,464 |
| 3/4 | 3/4 | 3/4 | 143,849 | 3/4 | 132,773 | 3/4 | 121,696 | 3/4 | 110,619 | 3/4 | 99,542 | 3/4 | 88,465 | 3/4 | 77,387 | 3/4 | 66,310 | 3/4 | 55,233 |
| 6 | | 6 | 143,619 | 6 | 132,542 | 6 | 121,465 | 6 | 110,388 | 6 | 99,311 | 6 | 88,234 | 6 | 77,157 | 6 | 66,079 | 6 | 55,002 |
| 1/4 | 1/4 | 1/4 | 143,389 | 1/4 | 132,312 | 1/4 | 121,235 | 1/4 | 110,157 | 1/4 | 99,080 | 1/4 | 88,003 | 1/4 | 76,926 | 1/4 | 65,849 | 1/4 | 54,772 |
| 1/2 | 1/2 | 1/2 | 143,158 | 1/2 | 132,081 | 1/2 | 121,004 | 1/2 | 109,927 | 1/2 | 98,849 | 1/2 | 87,772 | 1/2 | 76,695 | 1/2 | 65,618 | 1/2 | 54,541 |
| 3/4 | 3/4 | 3/4 | 142,927 | 3/4 | 131,850 | 3/4 | 120,773 | 3/4 | 109,696 | 3/4 | 98,619 | 3/4 | 87,541 | 3/4 | 76,464 | 3/4 | 65,387 | 3/4 | 54,310 |
| 7 | | 7 | 142,696 | 7 | 131,619 | 7 | 120,542 | 7 | 109,465 | 7 | 98,388 | 7 | 87,311 | 7 | 76,234 | 7 | 65,156 | 7 | 54,079 |
| 1/4 | 1/4 | 1/4 | 142,466 | 1/4 | 131,389 | 1/4 | 120,311 | 1/4 | 109,234 | 1/4 | 98,157 | 1/4 | 87,080 | 1/4 | 76,003 | 1/4 | 64,926 | 1/4 | 53,848 |
| 1/2 | 1/2 | 1/2 | 142,235 | 1/2 | 131,158 | 1/2 | 120,081 | 1/2 | 109,003 | 1/2 | 97,926 | 1/2 | 86,849 | 1/2 | 75,772 | 1/2 | 64,695 | 1/2 | 53,618 |
| 3/4 | 3/4 | 3/4 | 142,004 | 3/4 | 130,927 | 3/4 | 119,850 | 3/4 | 108,773 | 3/4 | 97,696 | 3/4 | 86,618 | 3/4 | 75,541 | 3/4 | 64,464 | 3/4 | 53,387 |
| 8 | | 8 | 141,773 | 8 | 130,696 | 8 | 119,619 | 8 | 108,542 | 8 | 97,465 | 8 | 86,388 | 8 | 75,310 | 8 | 64,233 | 8 | 53,156 |
| 1/4 | 1/4 | 1/4 | 141,543 | 1/4 | 130,465 | 1/4 | 119,388 | 1/4 | 108,311 | 1/4 | 97,234 | 1/4 | 86,157 | 1/4 | 75,080 | 1/4 | 64,003 | 1/4 | 52,925 |
| 1/2 | 1/2 | 1/2 | 141,312 | 1/2 | 130,235 | 1/2 | 119,158 | 1/2 | 108,080 | 1/2 | 97,003 | 1/2 | 85,926 | 1/2 | 74,849 | 1/2 | 63,772 | 1/2 | 52,695 |
| 3/4 | 3/4 | 3/4 | 141,081 | 3/4 | 130,004 | 3/4 | 118,927 | 3/4 | 107,850 | 3/4 | 96,772 | 3/4 | 85,695 | 3/4 | 74,618 | 3/4 | 63,541 | 3/4 | 52,464 |
| 9 | | 9 | 140,850 | 9 | 129,773 | 9 | 118,696 | 9 | 107,619 | 9 | 96,542 | 9 | 85,465 | 9 | 74,387 | 9 | 63,310 | 9 | 52,233 |
| 1/4 | 1/4 | 1/4 | 140,620 | 1/4 | 129,542 | 1/4 | 118,465 | 1/4 | 107,388 | 1/4 | 96,311 | 1/4 | 85,234 | 1/4 | 74,157 | 1/4 | 63,079 | 1/4 | 52,002 |
| 1/2 | 1/2 | 1/2 | 140,389 | 1/2 | 129,312 | 1/2 | 118,234 | 1/2 | 107,157 | 1/2 | 96,080 | 1/2 | 85,003 | 1/2 | 73,926 | 1/2 | 62,849 | 1/2 | 51,772 |
| 3/4 | 3/4 | 3/4 | 140,158 | 3/4 | 129,081 | 3/4 | 118,004 | 3/4 | 106,927 | 3/4 | 95,849 | 3/4 | 84,772 | 3/4 | 73,695 | 3/4 | 62,618 | 3/4 | 51,541 |
| 10 | | 10 | 139,927 | 10 | 128,850 | 10 | 117,773 | 10 | 106,696 | 10 | 95,619 | 10 | 84,541 | 10 | 73,464 | 10 | 62,387 | 10 | 51,310 |
| 1/4 | 1/4 | 1/4 | 139,696 | 1/4 | 128,619 | 1/4 | 117,542 | 1/4 | 106,465 | 1/4 | 95,388 | 1/4 | 84,311 | 1/4 | 73,233 | 1/4 | 62,156 | 1/4 | 51,079 |
| 1/2 | 1/2 | 1/2 | 139,466 | 1/2 | 128,389 | 1/2 | 117,311 | 1/2 | 106,234 | 1/2 | 95,157 | 1/2 | 84,080 | 1/2 | 73,003 | 1/2 | 61,926 | 1/2 | 50,848 |
| 3/4 | 3/4 | 3/4 | 139,235 | 3/4 | 128,158 | 3/4 | 117,081 | 3/4 | 106,003 | 3/4 | 94,926 | 3/4 | 83,849 | 3/4 | 72,772 | 3/4 | 61,695 | 3/4 | 50,618 |
| 11 | | 11 | 139,004 | 11 | 127,927 | 11 | 116,850 | 11 | 105,773 | 11 | 94,695 | 11 | 83,618 | 11 | 72,541 | 11 | 61,464 | 11 | 50,387 |
| 1/4 | 1/4 | 1/4 | 138,773 | 1/4 | 127,696 | 1/4 | 116,619 | 1/4 | 105,542 | 1/4 | 94,465 | 1/4 | 83,388 | 1/4 | 72,310 | 1/4 | 61,233 | 1/4 | 50,156 |
| 1/2 | 1/2 | 1/2 | 138,543 | 1/2 | 127,465 | 1/2 | 116,388 | 1/2 | 105,311 | 1/2 | 94,234 | 1/2 | 83,157 | 1/2 | 72,080 | 1/2 | 61,002 | 1/2 | 49,925 |
| 3/4 | 3/4 | 3/4 | 138,312 | 3/4 | 127,235 | 3/4 | 116,157 | 3/4 | 105,080 | 3/4 | 94,003 | 3/4 | 82,926 | 3/4 | 71,849 | 3/4 | 60,772 | 3/4 | 49,695 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "IB 1065"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-07"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 49,464 | 0 | 38,387 | 0 | 27,527 | 0 | 16,485 | 0 | 5,409 | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 49,233 | 1/4 | 38,156 | 1/4 | 27,303 | 1/4 | 16,254 | 1/4 | 5,179 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 49,002 | 1/2 | 37,925 | 1/2 | 27,078 | 1/2 | 16,023 | 1/2 | 4,949 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 48,771 | 3/4 | 37,694 | 3/4 | 26,854 | 3/4 | 15,793 | 3/4 | 4,718 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 48,541 | 1 | 37,464 | 1 | 26,629 | 1 | 15,562 | 1 | 4,488 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 48,310 | 1/4 | 37,233 | 1/4 | 26,401 | 1/4 | 15,331 | 1/4 | 4,259 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 48,079 | 1/2 | 37,002 | 1/2 | 26,172 | 1/2 | 15,100 | 1/2 | 4,029 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 47,848 | 3/4 | 36,771 | 3/4 | 25,944 | 3/4 | 14,870 | 3/4 | 3,799 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 47,618 | 2 | 36,540 | 2 | 25,716 | 2 | 14,639 | 2 | 3,570 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/4 | 47,387 | 1/4 | 36,310 | 1/4 | 25,485 | 1/4 | 14,408 | 1/4 | 3,341 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 47,156 | 1/2 | 36,079 | 1/2 | 25,254 | 1/2 | 14,177 | 1/2 | 3,113 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 46,925 | 3/4 | 35,848 | 3/4 | 25,023 | 3/4 | 13,947 | 3/4 | 2,884 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 46,694 | 3 | 35,617 | 3 | 24,793 | 3 | 13,716 | 3 | 2,656 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1/4 | 46,464 | 1/4 | 35,390 | 1/4 | 24,562 | 1/4 | 13,485 | 1/4 | 2,429 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 46,233 | 1/2 | 35,164 | 1/2 | 24,331 | 1/2 | 13,254 | 1/2 | 2,202 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 46,002 | 3/4 | 34,937 | 3/4 | 24,100 | 3/4 | 13,024 | 3/4 | 1,975 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 45,771 | 4 | 34,710 | 4 | 23,869 | 4 | 12,793 | 4 | 1,749 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1/4 | 45,541 | 1/4 | 34,485 | 1/4 | 23,639 | 1/4 | 12,562 | 1/4 | 1,544 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 45,310 | 1/2 | 34,261 | 1/2 | 23,408 | 1/2 | 12,331 | 1/2 | 1,339 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 45,079 | 3/4 | 34,036 | 3/4 | 23,177 | 3/4 | 12,100 | 3/4 | 1,134 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 44,848 | 5 | 33,812 | 5 | 22,946 | 5 | 11,870 | 5 | 930 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1/4 | 44,618 | 1/4 | 33,587 | 1/4 | 22,716 | 1/4 | 11,639 | 1/4 | 786 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 44,387 | 1/2 | 33,363 | 1/2 | 22,485 | 1/2 | 11,408 | 1/2 | 641 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 44,156 | 3/4 | 33,138 | 3/4 | 22,254 | 3/4 | 11,177 | 3/4 | 497 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 43,925 | 6 | 32,914 | 6 | 22,023 | 6 | 10,947 | 6 | 353 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1/4 | 43,694 | 1/4 | 32,689 | 1/4 | 21,793 | 1/4 | 10,716 | 1/4 | 286 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 43,464 | 1/2 | 32,465 | 1/2 | 21,562 | 1/2 | 10,485 | 1/2 | 219 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 43,233 | 3/4 | 32,241 | 3/4 | 21,331 | 3/4 | 10,254 | 3/4 | 151 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 43,002 | 7 | 32,016 | 7 | 21,100 | 7 | 10,024 | 7 | 84 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1/4 | 42,771 | 1/4 | 31,792 | 1/4 | 20,870 | 1/4 | 9,793 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 42,541 | 1/2 | 31,567 | 1/2 | 20,639 | 1/2 | 9,562 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 42,310 | 3/4 | 31,343 | 3/4 | 20,408 | 3/4 | 9,331 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 42,079 | 8 | 31,118 | 8 | 20,177 | 8 | 9,101 | 8 | | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1/4 | 41,848 | 1/4 | 30,894 | 1/4 | 19,946 | 1/4 | 8,870 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 41,617 | 1/2 | 30,669 | 1/2 | 19,716 | 1/2 | 8,639 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 41,387 | 3/4 | 30,445 | 3/4 | 19,485 | 3/4 | 8,408 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 41,156 | 9 | 30,220 | 9 | 19,254 | 9 | 8,177 | 9 | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1/4 | 40,925 | 1/4 | 29,996 | 1/4 | 19,023 | 1/4 | 7,947 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 40,694 | 1/2 | 29,772 | 1/2 | 18,793 | 1/2 | 7,716 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 40,464 | 3/4 | 29,547 | 3/4 | 18,562 | 3/4 | 7,485 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 40,233 | 10 | 29,323 | 10 | 18,331 | 10 | 7,254 | 10 | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1/4 | 40,002 | 1/4 | 29,098 | 1/4 | 18,100 | 1/4 | 7,024 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 39,771 | 1/2 | 28,874 | 1/2 | 17,870 | 1/2 | 6,793 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 39,540 | 3/4 | 28,649 | 3/4 | 17,639 | 3/4 | 6,562 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 39,310 | 11 | 28,425 | 11 | 17,408 | 11 | 6,332 | 11 | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1/4 | 39,079 | 1/4 | 28,200 | 1/4 | 17,177 | 1/4 | 6,101 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 38,848 | 1/2 | 27,976 | 1/2 | 16,947 | 1/2 | 5,870 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 38,617 | 3/4 | 27,751 | 3/4 | 16,716 | 3/4 | 5,640 | 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: 09/05/2013 SW
CALCULATED: 09/06/2013 CL
PRINTED: 09/06/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2013

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



BARGE "IB 1065"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-05 3/4"

| 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 | 145,566 | 0 | 135,708 | 0 | 124,748 | 0 | 113,788 | 0 | 102,829 | 0 | 91,869 | 0 | 80,909 | 0 | 69,949 | 0 | 58,990 |
| 1/4 | 1/4 | 1/4 | 145,511 | 1/4 | 135,479 | 1/4 | 124,520 | 1/4 | 113,560 | 1/4 | 102,600 | 1/4 | 91,640 | 1/4 | 80,681 | 1/4 | 69,721 | 1/4 | 58,761 |
| 1/2 | 1/2 | 1/2 | 145,456 | 1/2 | 135,251 | 1/2 | 124,291 | 1/2 | 113,332 | 1/2 | 102,372 | 1/2 | 91,412 | 1/2 | 80,452 | 1/2 | 69,493 | 1/2 | 58,533 |
| 3/4 | 3/4 | 3/4 | 145,402 | 3/4 | 135,023 | 3/4 | 124,063 | 3/4 | 113,103 | 3/4 | 102,144 | 3/4 | 91,184 | 3/4 | 80,224 | 3/4 | 69,264 | 3/4 | 58,305 |
| 1 | | 1 | 145,278 | 1 | 134,794 | 1 | 123,835 | 1 | 112,875 | 1 | 101,915 | 1 | 90,956 | 1 | 79,996 | 1 | 69,036 | 1 | 58,076 |
| 1/4 | 1/4 | 1/4 | 145,154 | 1/4 | 134,566 | 1/4 | 123,606 | 1/4 | 112,647 | 1/4 | 101,687 | 1/4 | 90,727 | 1/4 | 79,767 | 1/4 | 68,808 | 1/4 | 57,848 |
| 1/2 | 1/2 | 1/2 | 145,031 | 1/2 | 134,338 | 1/2 | 123,378 | 1/2 | 112,418 | 1/2 | 101,459 | 1/2 | 90,499 | 1/2 | 79,539 | 1/2 | 68,579 | 1/2 | 57,620 |
| 3/4 | 3/4 | 3/4 | 144,907 | 3/4 | 134,109 | 3/4 | 123,150 | 3/4 | 112,190 | 3/4 | 101,230 | 3/4 | 90,271 | 3/4 | 79,311 | 3/4 | 68,351 | 3/4 | 57,391 |
| 2 | | 2 | 144,714 | 2 | 133,881 | 2 | 122,921 | 2 | 111,962 | 2 | 101,002 | 2 | 90,042 | 2 | 79,082 | 2 | 68,123 | 2 | 57,163 |
| 1/4 | 1/4 | 1/4 | 144,521 | 1/4 | 133,653 | 1/4 | 122,693 | 1/4 | 111,733 | 1/4 | 100,774 | 1/4 | 89,814 | 1/4 | 78,854 | 1/4 | 67,894 | 1/4 | 56,935 |
| 1/2 | 1/2 | 1/2 | 144,328 | 1/2 | 133,424 | 1/2 | 122,465 | 1/2 | 111,505 | 1/2 | 100,545 | 1/2 | 89,586 | 1/2 | 78,626 | 1/2 | 67,666 | 1/2 | 56,706 |
| 3/4 | 3/4 | 3/4 | 144,135 | 3/4 | 133,196 | 3/4 | 122,236 | 3/4 | 111,277 | 3/4 | 100,317 | 3/4 | 89,357 | 3/4 | 78,397 | 3/4 | 67,438 | 3/4 | 56,478 |
| 3 | | 3 | 143,911 | 3 | 132,968 | 3 | 122,008 | 3 | 111,048 | 3 | 100,089 | 3 | 89,129 | 3 | 78,169 | 3 | 67,209 | 3 | 56,250 |
| 1/4 | 1/4 | 1/4 | 143,687 | 1/4 | 132,739 | 1/4 | 121,780 | 1/4 | 110,820 | 1/4 | 99,860 | 1/4 | 88,901 | 1/4 | 77,941 | 1/4 | 66,981 | 1/4 | 56,021 |
| 1/2 | 1/2 | 1/2 | 143,464 | 1/2 | 132,511 | 1/2 | 121,551 | 1/2 | 110,592 | 1/2 | 99,632 | 1/2 | 88,672 | 1/2 | 77,713 | 1/2 | 66,753 | 1/2 | 55,793 |
| 3/4 | 3/4 | 3/4 | 143,240 | 3/4 | 132,283 | 3/4 | 121,323 | 3/4 | 110,363 | 3/4 | 99,404 | 3/4 | 88,444 | 3/4 | 77,484 | 3/4 | 66,524 | 3/4 | 55,565 |
| 4 | | 4 | 143,012 | 4 | 132,054 | 4 | 121,095 | 4 | 110,135 | 4 | 99,175 | 4 | 88,216 | 4 | 77,256 | 4 | 66,296 | 4 | 55,336 |
| 1/4 | 1/4 | 1/4 | 142,784 | 1/4 | 131,826 | 1/4 | 120,866 | 1/4 | 109,907 | 1/4 | 98,947 | 1/4 | 87,987 | 1/4 | 77,028 | 1/4 | 66,068 | 1/4 | 55,108 |
| 1/2 | 1/2 | 1/2 | 142,557 | 1/2 | 131,598 | 1/2 | 120,638 | 1/2 | 109,678 | 1/2 | 98,719 | 1/2 | 87,759 | 1/2 | 76,799 | 1/2 | 65,839 | 1/2 | 54,880 |
| 3/4 | 3/4 | 3/4 | 142,329 | 3/4 | 131,370 | 3/4 | 120,410 | 3/4 | 109,450 | 3/4 | 98,490 | 3/4 | 87,531 | 3/4 | 76,571 | 3/4 | 65,611 | 3/4 | 54,651 |
| 5 | | 5 | 142,101 | 5 | 131,141 | 5 | 120,181 | 5 | 109,222 | 5 | 98,262 | 5 | 87,302 | 5 | 76,343 | 5 | 65,383 | 5 | 54,423 |
| 1/4 | 1/4 | 1/4 | 141,872 | 1/4 | 130,913 | 1/4 | 119,953 | 1/4 | 108,993 | 1/4 | 98,034 | 1/4 | 87,074 | 1/4 | 76,114 | 1/4 | 65,154 | 1/4 | 54,195 |
| 1/2 | 1/2 | 1/2 | 141,644 | 1/2 | 130,685 | 1/2 | 119,725 | 1/2 | 108,765 | 1/2 | 97,805 | 1/2 | 86,846 | 1/2 | 75,886 | 1/2 | 64,926 | 1/2 | 53,966 |
| 3/4 | 3/4 | 3/4 | 141,416 | 3/4 | 130,456 | 3/4 | 119,496 | 3/4 | 108,537 | 3/4 | 97,577 | 3/4 | 86,617 | 3/4 | 75,658 | 3/4 | 64,698 | 3/4 | 53,738 |
| 6 | | 6 | 141,188 | 6 | 130,228 | 6 | 119,268 | 6 | 108,308 | 6 | 97,349 | 6 | 86,389 | 6 | 75,429 | 6 | 64,470 | 6 | 53,510 |
| 1/4 | 1/4 | 1/4 | 140,959 | 1/4 | 130,000 | 1/4 | 119,040 | 1/4 | 108,080 | 1/4 | 97,120 | 1/4 | 86,161 | 1/4 | 75,201 | 1/4 | 64,241 | 1/4 | 53,281 |
| 1/2 | 1/2 | 1/2 | 140,731 | 1/2 | 129,771 | 1/2 | 118,811 | 1/2 | 107,852 | 1/2 | 96,892 | 1/2 | 85,932 | 1/2 | 74,973 | 1/2 | 64,013 | 1/2 | 53,053 |
| 3/4 | 3/4 | 3/4 | 140,503 | 3/4 | 129,543 | 3/4 | 118,583 | 3/4 | 107,623 | 3/4 | 96,664 | 3/4 | 85,704 | 3/4 | 74,744 | 3/4 | 63,785 | 3/4 | 52,825 |
| 7 | | 7 | 140,274 | 7 | 129,315 | 7 | 118,355 | 7 | 107,395 | 7 | 96,435 | 7 | 85,476 | 7 | 74,516 | 7 | 63,556 | 7 | 52,596 |
| 1/4 | 1/4 | 1/4 | 140,046 | 1/4 | 129,086 | 1/4 | 118,126 | 1/4 | 107,167 | 1/4 | 96,207 | 1/4 | 85,247 | 1/4 | 74,288 | 1/4 | 63,328 | 1/4 | 52,368 |
| 1/2 | 1/2 | 1/2 | 139,818 | 1/2 | 128,858 | 1/2 | 117,898 | 1/2 | 106,938 | 1/2 | 95,979 | 1/2 | 85,019 | 1/2 | 74,059 | 1/2 | 63,100 | 1/2 | 52,140 |
| 3/4 | 3/4 | 3/4 | 139,589 | 3/4 | 128,630 | 3/4 | 117,670 | 3/4 | 106,710 | 3/4 | 95,750 | 3/4 | 84,791 | 3/4 | 73,831 | 3/4 | 62,871 | 3/4 | 51,911 |
| 8 | | 8 | 139,361 | 8 | 128,401 | 8 | 117,442 | 8 | 106,482 | 8 | 95,522 | 8 | 84,562 | 8 | 73,603 | 8 | 62,643 | 8 | 51,683 |
| 1/4 | 1/4 | 1/4 | 139,133 | 1/4 | 128,173 | 1/4 | 117,213 | 1/4 | 106,253 | 1/4 | 95,294 | 1/4 | 84,334 | 1/4 | 73,374 | 1/4 | 62,415 | 1/4 | 51,455 |
| 1/2 | 1/2 | 1/2 | 138,904 | 1/2 | 127,945 | 1/2 | 116,985 | 1/2 | 106,025 | 1/2 | 95,065 | 1/2 | 84,106 | 1/2 | 73,146 | 1/2 | 62,186 | 1/2 | 51,227 |
| 3/4 | 3/4 | 3/4 | 138,676 | 3/4 | 127,716 | 3/4 | 116,757 | 3/4 | 105,797 | 3/4 | 94,837 | 3/4 | 83,877 | 3/4 | 72,918 | 3/4 | 61,958 | 3/4 | 50,998 |
| 9 | | 9 | 138,448 | 9 | 127,488 | 9 | 116,528 | 9 | 105,568 | 9 | 94,609 | 9 | 83,649 | 9 | 72,689 | 9 | 61,730 | 9 | 50,770 |
| 1/4 | 1/4 | 1/4 | 138,219 | 1/4 | 127,260 | 1/4 | 116,300 | 1/4 | 105,340 | 1/4 | 94,380 | 1/4 | 83,421 | 1/4 | 72,461 | 1/4 | 61,501 | 1/4 | 50,542 |
| 1/2 | 1/2 | 1/2 | 137,991 | 1/2 | 127,031 | 1/2 | 116,072 | 1/2 | 105,112 | 1/2 | 94,152 | 1/2 | 83,192 | 1/2 | 72,233 | 1/2 | 61,273 | 1/2 | 50,313 |
| 3/4 | 3/4 | 3/4 | 137,763 | 3/4 | 126,803 | 3/4 | 115,843 | 3/4 | 104,883 | 3/4 | 93,924 | 3/4 | 82,964 | 3/4 | 72,004 | 3/4 | 61,045 | 3/4 | 50,085 |
| 10 | | 10 | 137,534 | 10 | 126,575 | 10 | 115,615 | 10 | 104,655 | 10 | 93,695 | 10 | 82,736 | 10 | 71,776 | 10 | 60,816 | 10 | 49,857 |
| 1/4 | 1/4 | 1/4 | 137,306 | 1/4 | 126,346 | 1/4 | 115,387 | 1/4 | 104,427 | 1/4 | 93,467 | 1/4 | 82,507 | 1/4 | 71,548 | 1/4 | 60,588 | 1/4 | 49,628 |
| 1/2 | 1/2 | 1/2 | 137,078 | 1/2 | 126,118 | 1/2 | 115,158 | 1/2 | 104,199 | 1/2 | 93,239 | 1/2 | 82,279 | 1/2 | 71,319 | 1/2 | 60,360 | 1/2 | 49,400 |
| 3/4 | 3/4 | 3/4 | 136,849 | 3/4 | 125,890 | 3/4 | 114,930 | 3/4 | 103,970 | 3/4 | 93,010 | 3/4 | 82,051 | 3/4 | 71,091 | 3/4 | 60,131 | 3/4 | 49,172 |
| 11 | | 11 | 136,621 | 11 | 125,661 | 11 | 114,702 | 11 | 103,742 | 11 | 92,782 | 11 | 81,822 | 11 | 70,863 | 11 | 59,903 | 11 | 48,943 |
| 1/4 | 1/4 | 1/4 | 136,393 | 1/4 | 125,433 | 1/4 | 114,473 | 1/4 | 103,514 | 1/4 | 92,554 | 1/4 | 81,594 | 1/4 | 70,634 | 1/4 | 59,675 | 1/4 | 48,715 |
| 1/2 | 1/2 | 1/2 | 136,164 | 1/2 | 125,205 | 1/2 | 114,245 | 1/2 | 103,285 | 1/2 | 92,325 | 1/2 | 81,366 | 1/2 | 70,406 | 1/2 | 59,446 | 1/2 | 48,487 |
| 3/4 | 3/4 | 3/4 | 145,620 | 3/4 | 135,936 | 3/4 | 124,976 | 3/4 | 114,017 | 3/4 | 103,057 | 3/4 | 92,097 | 3/4 | 81,137 | 3/4 | 70,178 | 3/4 | 48,258 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "IB 1065"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-05 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 | 48,030 | 0 | 37,070 | 0 | 26,128 | 0 | 15,169 | 0 | 4,214 | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 47,802 | 1/4 | 36,842 | 1/4 | 25,900 | 1/4 | 14,941 | 1/4 | 3,987 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 47,573 | 1/2 | 36,614 | 1/2 | 25,671 | 1/2 | 14,712 | 1/2 | 3,759 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 47,345 | 3/4 | 36,385 | 3/4 | 25,443 | 3/4 | 14,484 | 3/4 | 3,532 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 47,117 | 1 | 36,157 | 1 | 25,215 | 1 | 14,256 | 1 | 3,306 | 1 | | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 46,888 | 1/4 | 35,929 | 1/4 | 24,987 | 1/4 | 14,027 | 1/4 | 3,080 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 46,660 | 1/2 | 35,700 | 1/2 | 24,758 | 1/2 | 13,799 | 1/2 | 2,854 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 46,432 | 3/4 | 35,472 | 3/4 | 24,530 | 3/4 | 13,571 | 3/4 | 2,628 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 46,203 | 2 | 35,244 | 2 | 24,302 | 2 | 13,342 | 2 | 2,403 | 2 | | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 45,975 | 1/4 | 35,016 | 1/4 | 24,073 | 1/4 | 13,114 | 1/4 | 2,179 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 45,747 | 1/2 | 34,788 | 1/2 | 23,845 | 1/2 | 12,886 | 1/2 | 1,955 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 45,518 | 3/4 | 34,560 | 3/4 | 23,617 | 3/4 | 12,657 | 3/4 | 1,730 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 45,290 | 3 | 34,332 | 3 | 23,388 | 3 | 12,429 | 3 | 1,528 | 3 | | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 45,062 | 1/4 | 34,104 | 1/4 | 23,160 | 1/4 | 12,201 | 1/4 | 1,325 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 44,833 | 1/2 | 33,876 | 1/2 | 22,932 | 1/2 | 11,972 | 1/2 | 1,123 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 44,605 | 3/4 | 33,648 | 3/4 | 22,703 | 3/4 | 11,744 | 3/4 | 920 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 44,377 | 4 | 33,420 | 4 | 22,475 | 4 | 11,516 | 4 | 777 | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 44,148 | 1/4 | 33,192 | 1/4 | 22,247 | 1/4 | 11,287 | 1/4 | 635 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 43,920 | 1/2 | 32,964 | 1/2 | 22,018 | 1/2 | 11,059 | 1/2 | 492 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 43,692 | 3/4 | 32,736 | 3/4 | 21,790 | 3/4 | 10,831 | 3/4 | 350 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 43,463 | 5 | 32,508 | 5 | 21,562 | 5 | 10,602 | 5 | 283 | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 43,235 | 1/4 | 32,281 | 1/4 | 21,333 | 1/4 | 10,374 | 1/4 | 217 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 43,007 | 1/2 | 32,053 | 1/2 | 21,105 | 1/2 | 10,146 | 1/2 | 150 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 42,778 | 3/4 | 31,825 | 3/4 | 20,877 | 3/4 | 9,918 | 3/4 | 83 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 42,550 | 6 | 31,597 | 6 | 20,649 | 6 | 9,689 | 6 | | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 42,322 | 1/4 | 31,369 | 1/4 | 20,420 | 1/4 | 9,461 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 42,093 | 1/2 | 31,141 | 1/2 | 20,192 | 1/2 | 9,233 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 41,865 | 3/4 | 30,913 | 3/4 | 19,964 | 3/4 | 9,004 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 41,637 | 7 | 30,685 | 7 | 19,735 | 7 | 8,776 | 7 | | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 41,408 | 1/4 | 30,458 | 1/4 | 19,507 | 1/4 | 8,548 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 41,180 | 1/2 | 30,230 | 1/2 | 19,279 | 1/2 | 8,319 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 40,952 | 3/4 | 30,002 | 3/4 | 19,050 | 3/4 | 8,091 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 40,723 | 8 | 29,774 | 8 | 18,822 | 8 | 7,863 | 8 | | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 40,495 | 1/4 | 29,546 | 1/4 | 18,594 | 1/4 | 7,634 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 40,267 | 1/2 | 29,318 | 1/2 | 18,365 | 1/2 | 7,406 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 40,038 | 3/4 | 29,090 | 3/4 | 18,137 | 3/4 | 7,178 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 39,810 | 9 | 28,862 | 9 | 17,909 | 9 | 6,949 | 9 | | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 39,582 | 1/4 | 28,635 | 1/4 | 17,680 | 1/4 | 6,721 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 39,353 | 1/2 | 28,407 | 1/2 | 17,452 | 1/2 | 6,493 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 39,125 | 3/4 | 28,179 | 3/4 | 17,224 | 3/4 | 6,265 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 38,897 | 10 | 27,951 | 10 | 16,995 | 10 | 6,036 | 10 | | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 38,668 | 1/4 | 27,723 | 1/4 | 16,767 | 1/4 | 5,808 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 38,440 | 1/2 | 27,495 | 1/2 | 16,539 | 1/2 | 5,580 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 38,212 | 3/4 | 27,267 | 3/4 | 16,310 | 3/4 | 5,352 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 37,984 | 11 | 27,039 | 11 | 16,082 | 11 | 5,124 | 11 | | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 37,755 | 1/4 | 26,812 | 1/4 | 15,854 | 1/4 | 4,896 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 37,527 | 1/2 | 26,584 | 1/2 | 15,626 | 1/2 | 4,669 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 37,299 | 3/4 | 26,356 | 3/4 | 15,397 | 3/4 | 4,441 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/05/2013 SW
CALCULATED: 09/06/2013 CL
PRINTED: 09/06/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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