



# BARGE "HSM 3041"

## ULLAGE TRIM TABLE 8" GAUGE HATCH

|        | 1 FT.      |              | 2 FT.      |              | 3 FT.      |              | 4 FT.      |              | 5 FT.      |              | 6 FT.      |              |
|--------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|
|        | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> |
| 1 PORT | - 00-1/8   | 00-1/8       | - 00-1/8   | 00-1/8       | - 00-1/4   | 00-1/4       | - 00-1/4   | 00-1/4       | - 00-3/8   | 00-3/8       | - 00-3/8   | 00-3/8       |
| 1 STBD | - 00-1/8   | 00-1/8       | - 00-1/8   | 00-1/8       | - 00-1/4   | 00-1/4       | - 00-1/4   | 00-1/4       | - 00-3/8   | 00-3/8       | - 00-3/8   | 00-3/8       |
| 2 PORT | - 00-1/8   | 00-1/8       | - 00-1/8   | 00-1/8       | - 00-1/4   | 00-1/4       | - 00-1/4   | 00-1/4       | - 00-3/8   | 00-3/8       | - 00-3/8   | 00-3/8       |
| 2 STBD | - 00-1/8   | 00-1/8       | - 00-1/8   | 00-1/8       | - 00-1/4   | 00-1/4       | - 00-1/4   | 00-1/4       | - 00-3/8   | 00-3/8       | - 00-3/8   | 00-3/8       |
| 3 PORT | - 00-1/8   | 00-1/8       | - 00-1/4   | 00-1/4       | - 00-1/4   | 00-1/4       | - 00-3/8   | 00-3/8       | - 00-1/2   | 00-1/2       | - 00-5/8   | 00-5/8       |
| 3 STBD | - 00-1/8   | 00-1/8       | - 00-1/4   | 00-1/4       | - 00-1/4   | 00-1/4       | - 00-3/8   | 00-3/8       | - 00-1/2   | 00-1/2       | - 00-5/8   | 00-5/8       |

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 1'-00"  
 AFT DRAFT = 4'-00"  
 DIFF. = 3'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 238'-06"

February 26, 2020

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "HSM 3041"

## ULLAGE TRIM TABLE "MMC" GAUGE

|        | 1 FT.      |              | 2 FT.      |              | 3 FT.      |              | 4 FT.      |              | 5 FT.      |              | 6 FT.      |              |
|--------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|
|        | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> |
| 1 PORT | - 00-0/8   | 00-0/8       | - 00-0/8   | 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       |
| 1 STBD | - 00-0/8   | 00-0/8       | - 00-0/8   | 00-0/8       | - 00-1/8   | 00-1/8       | - 00-1/8   | 00-1/8       | - 00-1/8   | 00-1/8       | - 00-1/8   | 00-1/8       |
| 2 PORT | - 00-0/8   | 00-0/8       | - 00-0/8   | 00-0/8       | - 00-0/8   | 00-0/8       | - 00-0/8   | 00-0/8       | - 00-0/8   | 00-0/8       | - 00-1/8   | 00-1/8       |
| 2 STBD | - 00-0/8   | 00-0/8       | - 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       |
| 3 PORT | - 00-0/8   | 00-0/8       | - 00-1/8   | 00-1/8       | - 00-1/8   | 00-1/8       | - 00-1/4   | 00-1/4       | - 00-1/4   | 00-1/4       | - 00-3/8   | 00-3/8       |
| 3 STBD | - 00-0/8   | 00-0/8       | - 00-1/8   | 00-1/8       | - 00-1/8   | 00-1/8       | - 00-1/4   | 00-1/4       | - 00-1/4   | 00-1/4       | - 00-3/8   | 00-3/8       |

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 1'-00"  
 AFT DRAFT = 4'-00"  
 DIFF. = 3'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 238'-06"

February 26, 2020

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# BARGE "HSM 3041"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 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   | 79,839 | 0   | 64,793 | 0   | 49,847 | 0   | 34,805 | 0   | 19,758 | 0   | 5,527  | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 79,526 | 1/4 | 64,480 | 1/4 | 49,534 | 1/4 | 34,491 | 1/4 | 19,445 | 1/4 | 5,252  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 79,212 | 1/2 | 64,168 | 1/2 | 49,222 | 1/2 | 34,178 | 1/2 | 19,132 | 1/2 | 4,981  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 78,899 | 3/4 | 63,855 | 3/4 | 48,909 | 3/4 | 33,864 | 3/4 | 18,818 | 3/4 | 4,710  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 78,585 | 1   | 63,543 | 1   | 48,596 | 1   | 33,551 | 1   | 18,505 | 1   | 4,439  | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 78,272 | 1/4 | 63,231 | 1/4 | 48,284 | 1/4 | 33,237 | 1/4 | 18,191 | 1/4 | 4,168  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 77,958 | 1/2 | 62,920 | 1/2 | 47,970 | 1/2 | 32,924 | 1/2 | 17,879 | 1/2 | 3,901  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 77,645 | 3/4 | 62,609 | 3/4 | 47,657 | 3/4 | 32,610 | 3/4 | 17,566 | 3/4 | 3,634  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 77,332 | 2   | 62,297 | 2   | 47,343 | 2   | 32,297 | 2   | 17,254 | 2   | 3,367  | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 77,018 | 1/4 | 61,986 | 1/4 | 47,030 | 1/4 | 31,984 | 1/4 | 16,941 | 1/4 | 3,100  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 76,705 | 1/2 | 61,675 | 1/2 | 46,716 | 1/2 | 31,670 | 1/2 | 16,632 | 1/2 | 2,838  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 76,391 | 3/4 | 61,364 | 3/4 | 46,403 | 3/4 | 31,357 | 3/4 | 16,322 | 3/4 | 2,575  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 76,078 | 3   | 61,053 | 3   | 46,089 | 3   | 31,043 | 3   | 16,012 | 3   | 2,313  | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 75,764 | 1/4 | 60,741 | 1/4 | 45,776 | 1/4 | 30,730 | 1/4 | 15,703 | 1/4 | 2,051  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 75,451 | 1/2 | 60,430 | 1/2 | 45,462 | 1/2 | 30,416 | 1/2 | 15,397 | 1/2 | 1,812  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 75,137 | 3/4 | 60,119 | 3/4 | 45,149 | 3/4 | 30,103 | 3/4 | 15,091 | 3/4 | 1,573  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 74,824 | 4   | 59,808 | 4   | 44,835 | 4   | 29,789 | 4   | 14,786 | 4   | 1,334  | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 74,510 | 1/4 | 59,497 | 1/4 | 44,522 | 1/4 | 29,476 | 1/4 | 14,480 | 1/4 | 1,095  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 74,197 | 1/2 | 59,186 | 1/2 | 44,209 | 1/2 | 29,162 | 1/2 | 14,178 | 1/2 | 917    | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 73,883 | 3/4 | 58,875 | 3/4 | 43,895 | 3/4 | 28,849 | 3/4 | 13,876 | 3/4 | 740    | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 73,570 | 5   | 58,564 | 5   | 43,582 | 5   | 28,535 | 5   | 13,574 | 5   | 563    | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 73,256 | 1/4 | 58,253 | 1/4 | 43,268 | 1/4 | 28,222 | 1/4 | 13,272 | 1/4 | 386    | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 72,943 | 1/2 | 57,941 | 1/2 | 42,955 | 1/2 | 27,909 | 1/2 | 12,974 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 72,629 | 3/4 | 57,630 | 3/4 | 42,641 | 3/4 | 27,595 | 3/4 | 12,676 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 72,316 | 6   | 57,319 | 6   | 42,328 | 6   | 27,282 | 6   | 12,378 | 6   |        | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 72,003 | 1/4 | 57,008 | 1/4 | 42,014 | 1/4 | 26,968 | 1/4 | 12,080 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 71,689 | 1/2 | 56,697 | 1/2 | 41,701 | 1/2 | 26,655 | 1/2 | 11,786 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 71,376 | 3/4 | 56,386 | 3/4 | 41,387 | 3/4 | 26,341 | 3/4 | 11,492 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 71,062 | 7   | 56,075 | 7   | 41,074 | 7   | 26,028 | 7   | 11,198 | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 70,749 | 1/4 | 55,764 | 1/4 | 40,760 | 1/4 | 25,714 | 1/4 | 10,903 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 70,435 | 1/2 | 55,453 | 1/2 | 40,447 | 1/2 | 25,401 | 1/2 | 10,613 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 70,122 | 3/4 | 55,142 | 3/4 | 40,134 | 3/4 | 25,087 | 3/4 | 10,323 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 69,808 | 8   | 54,831 | 8   | 39,820 | 8   | 24,774 | 8   | 10,033 | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 69,495 | 1/4 | 54,519 | 1/4 | 39,507 | 1/4 | 24,460 | 1/4 | 9,742  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 69,181 | 1/2 | 54,208 | 1/2 | 39,193 | 1/2 | 24,147 | 1/2 | 9,456  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 68,868 | 3/4 | 53,897 | 3/4 | 38,880 | 3/4 | 23,834 | 3/4 | 9,169  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 68,554 | 9   | 53,586 | 9   | 38,566 | 9   | 23,520 | 9   | 8,883  | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 68,241 | 1/4 | 53,275 | 1/4 | 38,253 | 1/4 | 23,207 | 1/4 | 8,596  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 67,927 | 1/2 | 52,964 | 1/2 | 37,939 | 1/2 | 22,893 | 1/2 | 8,314  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 67,614 | 3/4 | 52,652 | 3/4 | 37,626 | 3/4 | 22,580 | 3/4 | 8,031  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 67,300 | 10  | 52,341 | 10  | 37,312 | 10  | 22,266 | 10  | 7,749  | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 66,987 | 1/4 | 52,030 | 1/4 | 36,999 | 1/4 | 21,953 | 1/4 | 7,466  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 66,674 | 1/2 | 51,718 | 1/2 | 36,685 | 1/2 | 21,639 | 1/2 | 7,187  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 66,360 | 3/4 | 51,406 | 3/4 | 36,372 | 3/4 | 21,326 | 3/4 | 6,909  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 66,047 | 11  | 51,094 | 11  | 36,059 | 11  | 21,012 | 11  | 6,630  | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 65,733 | 1/4 | 50,783 | 1/4 | 35,745 | 1/4 | 20,699 | 1/4 | 6,351  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 65,420 | 1/2 | 50,471 | 1/2 | 35,432 | 1/2 | 20,385 | 1/2 | 6,076  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 65,107 | 3/4 | 50,159 | 3/4 | 35,118 | 3/4 | 20,072 | 3/4 | 5,801  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/25/2020 CL  
CALCULATED: 02/25/2020 CL  
PRINTED: 02/26/2020 CL

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "HSM 3041"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/4"

| IN  | 0 FT. | IN  | 1 FT. | IN  | 2 FT.   | IN  | 3 FT.   | IN  | 4 FT.   | IN  | 5 FT.   | IN  | 6 FT.   | IN  | 7 FT.   | IN  | 8 FT.   | IN  | 9 FT.   |
|-----|-------|-----|-------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|
| 0   |       | 0   |       | 0   | 200,193 | 0   | 185,198 | 0   | 170,187 | 0   | 155,147 | 0   | 140,107 | 0   | 125,067 | 0   | 110,027 | 0   | 94,981  |
| 1/4 |       | 1/4 |       | 1/4 | 199,882 | 1/4 | 184,886 | 1/4 | 169,873 | 1/4 | 154,833 | 1/4 | 139,793 | 1/4 | 124,753 | 1/4 | 109,714 | 1/4 | 94,668  |
| 1/2 |       | 1/2 |       | 1/2 | 199,570 | 1/2 | 184,574 | 1/2 | 169,560 | 1/2 | 154,520 | 1/2 | 139,480 | 1/2 | 124,440 | 1/2 | 109,400 | 1/2 | 94,355  |
| 3/4 |       | 3/4 |       | 3/4 | 199,257 | 3/4 | 184,261 | 3/4 | 169,247 | 3/4 | 154,207 | 3/4 | 139,167 | 3/4 | 124,127 | 3/4 | 109,087 | 3/4 | 94,041  |
| 1   |       | 1   |       | 1   | 198,945 | 1   | 183,949 | 1   | 168,933 | 1   | 153,893 | 1   | 138,853 | 1   | 123,813 | 1   | 108,774 | 1   | 93,728  |
| 1/4 |       | 1/4 |       | 1/4 | 198,632 | 1/4 | 183,636 | 1/4 | 168,620 | 1/4 | 153,580 | 1/4 | 138,540 | 1/4 | 123,500 | 1/4 | 108,460 | 1/4 | 93,414  |
| 1/2 |       | 1/2 |       | 1/2 | 198,320 | 1/2 | 183,324 | 1/2 | 168,307 | 1/2 | 153,267 | 1/2 | 138,226 | 1/2 | 123,187 | 1/2 | 108,147 | 1/2 | 93,101  |
| 3/4 |       | 3/4 |       | 3/4 | 198,008 | 3/4 | 183,011 | 3/4 | 167,993 | 3/4 | 152,953 | 3/4 | 137,913 | 3/4 | 122,873 | 3/4 | 107,833 | 3/4 | 92,787  |
| 2   |       | 2   |       | 2   | 197,695 | 2   | 182,699 | 2   | 167,680 | 2   | 152,640 | 2   | 137,600 | 2   | 122,560 | 2   | 107,520 | 2   | 92,474  |
| 1/4 |       | 1/4 |       | 1/4 | 211,327 | 1/4 | 197,383 | 1/4 | 182,387 | 1/4 | 167,367 | 1/4 | 152,327 | 1/4 | 137,286 | 1/4 | 122,247 | 1/4 | 107,207 |
| 1/2 |       | 1/2 |       | 1/2 | 211,147 | 1/2 | 197,070 | 1/2 | 182,074 | 1/2 | 167,053 | 1/2 | 152,013 | 1/2 | 136,973 | 1/2 | 121,933 | 1/2 | 106,893 |
| 3/4 |       | 3/4 |       | 3/4 | 210,967 | 3/4 | 196,758 | 3/4 | 181,762 | 3/4 | 166,740 | 3/4 | 151,700 | 3/4 | 136,660 | 3/4 | 121,620 | 3/4 | 106,580 |
| 3   |       | 3   |       | 3   | 210,787 | 3   | 196,445 | 3   | 181,449 | 3   | 166,427 | 3   | 151,387 | 3   | 136,347 | 3   | 121,307 | 3   | 106,266 |
| 1/4 |       | 1/4 |       | 1/4 | 210,608 | 1/4 | 196,133 | 1/4 | 181,137 | 1/4 | 166,113 | 1/4 | 151,073 | 1/4 | 136,033 | 1/4 | 120,993 | 1/4 | 105,953 |
| 1/2 |       | 1/2 |       | 1/2 | 210,376 | 1/2 | 195,821 | 1/2 | 180,824 | 1/2 | 165,800 | 1/2 | 150,760 | 1/2 | 135,720 | 1/2 | 120,680 | 1/2 | 105,639 |
| 3/4 |       | 3/4 |       | 3/4 | 210,144 | 3/4 | 195,508 | 3/4 | 180,512 | 3/4 | 165,487 | 3/4 | 150,447 | 3/4 | 135,407 | 3/4 | 120,367 | 3/4 | 105,326 |
| 4   |       | 4   |       | 4   | 209,912 | 4   | 195,196 | 4   | 180,200 | 4   | 165,173 | 4   | 150,133 | 4   | 135,093 | 4   | 120,053 | 4   | 105,012 |
| 1/4 |       | 1/4 |       | 1/4 | 209,679 | 1/4 | 194,883 | 1/4 | 179,887 | 1/4 | 164,860 | 1/4 | 149,820 | 1/4 | 134,780 | 1/4 | 119,740 | 1/4 | 104,699 |
| 1/2 |       | 1/2 |       | 1/2 | 209,399 | 1/2 | 194,571 | 1/2 | 179,575 | 1/2 | 164,547 | 1/2 | 149,507 | 1/2 | 134,467 | 1/2 | 119,427 | 1/2 | 104,385 |
| 3/4 |       | 3/4 |       | 3/4 | 209,118 | 3/4 | 194,259 | 3/4 | 179,262 | 3/4 | 164,233 | 3/4 | 149,193 | 3/4 | 134,153 | 3/4 | 119,113 | 3/4 | 104,072 |
| 5   |       | 5   |       | 5   | 208,838 | 5   | 193,946 | 5   | 178,950 | 5   | 163,920 | 5   | 148,880 | 5   | 133,840 | 5   | 118,800 | 5   | 103,758 |
| 1/4 |       | 1/4 |       | 1/4 | 208,557 | 1/4 | 193,634 | 1/4 | 178,638 | 1/4 | 163,607 | 1/4 | 148,567 | 1/4 | 133,527 | 1/4 | 118,487 | 1/4 | 103,445 |
| 1/2 |       | 1/2 |       | 1/2 | 208,251 | 1/2 | 193,321 | 1/2 | 178,325 | 1/2 | 163,293 | 1/2 | 148,253 | 1/2 | 133,213 | 1/2 | 118,173 | 1/2 | 103,132 |
| 3/4 |       | 3/4 |       | 3/4 | 207,945 | 3/4 | 193,009 | 3/4 | 178,013 | 3/4 | 162,980 | 3/4 | 147,940 | 3/4 | 132,900 | 3/4 | 117,860 | 3/4 | 102,818 |
| 6   |       | 6   |       | 6   | 207,639 | 6   | 192,696 | 6   | 177,700 | 6   | 162,667 | 6   | 147,627 | 6   | 132,587 | 6   | 117,547 | 6   | 102,505 |
| 1/4 |       | 1/4 |       | 1/4 | 207,333 | 1/4 | 192,384 | 1/4 | 177,388 | 1/4 | 162,353 | 1/4 | 147,313 | 1/4 | 132,273 | 1/4 | 117,233 | 1/4 | 102,191 |
| 1/2 |       | 1/2 |       | 1/2 | 207,023 | 1/2 | 192,072 | 1/2 | 177,075 | 1/2 | 162,040 | 1/2 | 147,000 | 1/2 | 131,960 | 1/2 | 116,920 | 1/2 | 101,878 |
| 3/4 |       | 3/4 |       | 3/4 | 206,713 | 3/4 | 191,759 | 3/4 | 176,763 | 3/4 | 161,727 | 3/4 | 146,687 | 3/4 | 131,647 | 3/4 | 116,607 | 3/4 | 101,564 |
| 7   |       | 7   |       | 7   | 206,403 | 7   | 191,447 | 7   | 176,451 | 7   | 161,413 | 7   | 146,373 | 7   | 131,333 | 7   | 116,293 | 7   | 101,251 |
| 1/4 |       | 1/4 |       | 1/4 | 206,093 | 1/4 | 191,134 | 1/4 | 176,138 | 1/4 | 161,100 | 1/4 | 146,060 | 1/4 | 131,020 | 1/4 | 115,980 | 1/4 | 100,937 |
| 1/2 |       | 1/2 |       | 1/2 | 205,783 | 1/2 | 190,822 | 1/2 | 175,825 | 1/2 | 160,787 | 1/2 | 145,747 | 1/2 | 130,707 | 1/2 | 115,667 | 1/2 | 100,624 |
| 3/4 |       | 3/4 |       | 3/4 | 205,472 | 3/4 | 190,510 | 3/4 | 175,512 | 3/4 | 160,473 | 3/4 | 145,433 | 3/4 | 130,393 | 3/4 | 115,353 | 3/4 | 100,310 |
| 8   |       | 8   |       | 8   | 205,162 | 8   | 190,197 | 8   | 175,200 | 8   | 160,160 | 8   | 145,120 | 8   | 130,080 | 8   | 115,040 | 8   | 99,997  |
| 1/4 |       | 1/4 |       | 1/4 | 204,852 | 1/4 | 189,885 | 1/4 | 174,887 | 1/4 | 159,847 | 1/4 | 144,807 | 1/4 | 129,767 | 1/4 | 114,727 | 1/4 | 99,683  |
| 1/2 |       | 1/2 |       | 1/2 | 204,541 | 1/2 | 189,572 | 1/2 | 174,573 | 1/2 | 159,533 | 1/2 | 144,493 | 1/2 | 129,453 | 1/2 | 114,413 | 1/2 | 99,370  |
| 3/4 |       | 3/4 |       | 3/4 | 204,231 | 3/4 | 189,260 | 3/4 | 174,260 | 3/4 | 159,220 | 3/4 | 144,180 | 3/4 | 129,140 | 3/4 | 114,100 | 3/4 | 99,057  |
| 9   |       | 9   |       | 9   | 203,920 | 9   | 188,947 | 9   | 173,947 | 9   | 158,907 | 9   | 143,867 | 9   | 128,827 | 9   | 113,787 | 9   | 98,743  |
| 1/4 |       | 1/4 |       | 1/4 | 203,610 | 1/4 | 188,635 | 1/4 | 173,633 | 1/4 | 158,593 | 1/4 | 143,553 | 1/4 | 128,513 | 1/4 | 113,473 | 1/4 | 98,430  |
| 1/2 |       | 1/2 |       | 1/2 | 203,300 | 1/2 | 188,323 | 1/2 | 173,320 | 1/2 | 158,280 | 1/2 | 143,240 | 1/2 | 128,200 | 1/2 | 113,160 | 1/2 | 98,116  |
| 3/4 |       | 3/4 |       | 3/4 | 202,989 | 3/4 | 188,010 | 3/4 | 173,007 | 3/4 | 157,967 | 3/4 | 142,927 | 3/4 | 127,887 | 3/4 | 112,847 | 3/4 | 97,803  |
| 10  |       | 10  |       | 10  | 202,679 | 10  | 187,698 | 10  | 172,693 | 10  | 157,653 | 10  | 142,613 | 10  | 127,573 | 10  | 112,533 | 10  | 97,489  |
| 1/4 |       | 1/4 |       | 1/4 | 202,369 | 1/4 | 187,385 | 1/4 | 172,380 | 1/4 | 157,340 | 1/4 | 142,300 | 1/4 | 127,260 | 1/4 | 112,220 | 1/4 | 97,176  |
| 1/2 |       | 1/2 |       | 1/2 | 202,058 | 1/2 | 187,073 | 1/2 | 172,067 | 1/2 | 157,027 | 1/2 | 141,987 | 1/2 | 126,947 | 1/2 | 111,907 | 1/2 | 96,862  |
| 3/4 |       | 3/4 |       | 3/4 | 201,748 | 3/4 | 186,760 | 3/4 | 171,753 | 3/4 | 156,713 | 3/4 | 141,673 | 3/4 | 126,633 | 3/4 | 111,593 | 3/4 | 96,549  |
| 11  |       | 11  |       | 11  | 201,438 | 11  | 186,448 | 11  | 171,440 | 11  | 156,400 | 11  | 141,360 | 11  | 126,320 | 11  | 111,280 | 11  | 96,235  |
| 1/4 |       | 1/4 |       | 1/4 | 201,128 | 1/4 | 186,136 | 1/4 | 171,127 | 1/4 | 156,087 | 1/4 | 141,047 | 1/4 | 126,007 | 1/4 | 110,967 | 1/4 | 95,922  |
| 1/2 |       | 1/2 |       | 1/2 | 200,816 | 1/2 | 185,823 | 1/2 | 170,813 | 1/2 | 155,773 | 1/2 | 140,733 | 1/2 | 125,693 | 1/2 | 110,653 | 1/2 | 95,608  |
| 3/4 |       | 3/4 |       | 3/4 | 200,505 | 3/4 | 185,511 | 3/4 | 170,500 | 3/4 | 155,460 | 3/4 | 140,420 | 3/4 | 125,380 | 3/4 | 110,340 | 3/4 | 95,295  |

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 OR 8" HATCH.

GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092

Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "HSM 3041"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 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   | 79,935 | 0   | 64,889 | 0   | 49,850 | 0   | 34,804 | 0   | 19,758 | 0   | 5,527  | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 79,622 | 1/4 | 64,575 | 1/4 | 49,536 | 1/4 | 34,491 | 1/4 | 19,445 | 1/4 | 5,252  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 79,308 | 1/2 | 64,262 | 1/2 | 49,223 | 1/2 | 34,177 | 1/2 | 19,131 | 1/2 | 4,981  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 78,995 | 3/4 | 63,948 | 3/4 | 48,910 | 3/4 | 33,864 | 3/4 | 18,818 | 3/4 | 4,710  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 78,681 | 1   | 63,635 | 1   | 48,596 | 1   | 33,550 | 1   | 18,504 | 1   | 4,439  | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 78,368 | 1/4 | 63,322 | 1/4 | 48,283 | 1/4 | 33,237 | 1/4 | 18,191 | 1/4 | 4,168  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 78,054 | 1/2 | 63,008 | 1/2 | 47,969 | 1/2 | 32,923 | 1/2 | 17,878 | 1/2 | 3,901  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 77,741 | 3/4 | 62,695 | 3/4 | 47,656 | 3/4 | 32,610 | 3/4 | 17,566 | 3/4 | 3,634  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 77,427 | 2   | 62,381 | 2   | 47,342 | 2   | 32,296 | 2   | 17,253 | 2   | 3,367  | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 77,114 | 1/4 | 62,068 | 1/4 | 47,029 | 1/4 | 31,983 | 1/4 | 16,941 | 1/4 | 3,100  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 76,800 | 1/2 | 61,755 | 1/2 | 46,715 | 1/2 | 31,670 | 1/2 | 16,631 | 1/2 | 2,838  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 76,487 | 3/4 | 61,441 | 3/4 | 46,402 | 3/4 | 31,356 | 3/4 | 16,322 | 3/4 | 2,576  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 76,174 | 3   | 61,128 | 3   | 46,088 | 3   | 31,043 | 3   | 16,012 | 3   | 2,313  | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 75,860 | 1/4 | 60,815 | 1/4 | 45,775 | 1/4 | 30,729 | 1/4 | 15,703 | 1/4 | 2,051  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 75,547 | 1/2 | 60,501 | 1/2 | 45,462 | 1/2 | 30,416 | 1/2 | 15,397 | 1/2 | 1,812  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 75,233 | 3/4 | 60,188 | 3/4 | 45,148 | 3/4 | 30,102 | 3/4 | 15,091 | 3/4 | 1,573  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 74,920 | 4   | 59,875 | 4   | 44,835 | 4   | 29,789 | 4   | 14,785 | 4   | 1,334  | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 74,606 | 1/4 | 59,562 | 1/4 | 44,521 | 1/4 | 29,475 | 1/4 | 14,480 | 1/4 | 1,095  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 74,293 | 1/2 | 59,249 | 1/2 | 44,208 | 1/2 | 29,162 | 1/2 | 14,178 | 1/2 | 918    | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 73,979 | 3/4 | 58,935 | 3/4 | 43,894 | 3/4 | 28,848 | 3/4 | 13,876 | 3/4 | 740    | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 73,666 | 5   | 58,622 | 5   | 43,581 | 5   | 28,535 | 5   | 13,574 | 5   | 563    | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 73,352 | 1/4 | 58,309 | 1/4 | 43,267 | 1/4 | 28,222 | 1/4 | 13,272 | 1/4 | 386    | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 73,039 | 1/2 | 57,996 | 1/2 | 42,954 | 1/2 | 27,908 | 1/2 | 12,974 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 72,725 | 3/4 | 57,682 | 3/4 | 42,640 | 3/4 | 27,595 | 3/4 | 12,676 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 72,412 | 6   | 57,369 | 6   | 42,327 | 6   | 27,281 | 6   | 12,378 | 6   |        | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 72,099 | 1/4 | 57,056 | 1/4 | 42,014 | 1/4 | 26,968 | 1/4 | 12,080 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 71,785 | 1/2 | 56,743 | 1/2 | 41,700 | 1/2 | 26,654 | 1/2 | 11,786 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 71,472 | 3/4 | 56,429 | 3/4 | 41,387 | 3/4 | 26,341 | 3/4 | 11,492 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 71,158 | 7   | 56,116 | 7   | 41,073 | 7   | 26,027 | 7   | 11,198 | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 70,845 | 1/4 | 55,803 | 1/4 | 40,760 | 1/4 | 25,714 | 1/4 | 10,903 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 70,531 | 1/2 | 55,490 | 1/2 | 40,446 | 1/2 | 25,400 | 1/2 | 10,613 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 70,218 | 3/4 | 55,176 | 3/4 | 40,133 | 3/4 | 25,087 | 3/4 | 10,323 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 69,904 | 8   | 54,863 | 8   | 39,819 | 8   | 24,774 | 8   | 10,032 | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 69,591 | 1/4 | 54,550 | 1/4 | 39,506 | 1/4 | 24,460 | 1/4 | 9,742  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 69,277 | 1/2 | 54,237 | 1/2 | 39,192 | 1/2 | 24,147 | 1/2 | 9,456  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 68,964 | 3/4 | 53,924 | 3/4 | 38,879 | 3/4 | 23,833 | 3/4 | 9,169  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 68,650 | 9   | 53,610 | 9   | 38,566 | 9   | 23,520 | 9   | 8,883  | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 68,337 | 1/4 | 53,297 | 1/4 | 38,252 | 1/4 | 23,206 | 1/4 | 8,596  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 68,023 | 1/2 | 52,984 | 1/2 | 37,939 | 1/2 | 22,893 | 1/2 | 8,314  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 67,710 | 3/4 | 52,670 | 3/4 | 37,625 | 3/4 | 22,579 | 3/4 | 8,031  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 67,397 | 10  | 52,357 | 10  | 37,312 | 10  | 22,266 | 10  | 7,749  | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 67,083 | 1/4 | 52,044 | 1/4 | 36,998 | 1/4 | 21,952 | 1/4 | 7,466  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 66,770 | 1/2 | 51,731 | 1/2 | 36,685 | 1/2 | 21,639 | 1/2 | 7,187  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 66,456 | 3/4 | 51,417 | 3/4 | 36,371 | 3/4 | 21,325 | 3/4 | 6,909  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 66,143 | 11  | 51,104 | 11  | 36,058 | 11  | 21,012 | 11  | 6,630  | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 65,829 | 1/4 | 50,790 | 1/4 | 35,744 | 1/4 | 20,699 | 1/4 | 6,351  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 65,516 | 1/2 | 50,477 | 1/2 | 35,431 | 1/2 | 20,385 | 1/2 | 6,076  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 65,202 | 3/4 | 50,163 | 3/4 | 35,118 | 3/4 | 20,072 | 3/4 | 5,801  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/25/2020 CL  
CALCULATED: 02/25/2020 CL  
PRINTED: 02/26/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2020

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



# BARGE "HSM 3041"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/2"

| IN  | 0 FT. | IN  | 1 FT.   | IN  | 2 FT.   | IN  | 3 FT.   | IN  | 4 FT.   | IN  | 5 FT.   | IN  | 6 FT.   | IN  | 7 FT.   | IN  | 8 FT.   | IN  | 9 FT.  |
|-----|-------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|--------|
| 0   |       | 0   |         | 0   | 202,246 | 0   | 187,231 | 0   | 172,195 | 0   | 157,125 | 0   | 142,055 | 0   | 126,984 | 0   | 111,914 | 0   | 96,838 |
| 1/4 |       | 1/4 |         | 1/4 | 201,935 | 1/4 | 186,918 | 1/4 | 171,881 | 1/4 | 156,811 | 1/4 | 141,741 | 1/4 | 126,671 | 1/4 | 111,600 | 1/4 | 96,524 |
| 1/2 |       | 1/2 |         | 1/2 | 201,624 | 1/2 | 186,605 | 1/2 | 171,567 | 1/2 | 156,497 | 1/2 | 141,427 | 1/2 | 126,357 | 1/2 | 111,287 | 1/2 | 96,210 |
| 3/4 |       | 3/4 |         | 3/4 | 201,311 | 3/4 | 186,292 | 3/4 | 171,253 | 3/4 | 156,183 | 3/4 | 141,113 | 3/4 | 126,043 | 3/4 | 110,973 | 3/4 | 95,896 |
| 1   |       | 1   |         | 1   | 200,998 | 1   | 185,979 | 1   | 170,939 | 1   | 155,869 | 1   | 140,799 | 1   | 125,729 | 1   | 110,659 | 1   | 95,582 |
| 1/4 |       | 1/4 |         | 1/4 | 200,685 | 1/4 | 185,666 | 1/4 | 170,625 | 1/4 | 155,555 | 1/4 | 140,485 | 1/4 | 125,415 | 1/4 | 110,345 | 1/4 | 95,267 |
| 1/2 |       | 1/2 |         | 1/2 | 200,372 | 1/2 | 185,353 | 1/2 | 170,311 | 1/2 | 155,241 | 1/2 | 140,171 | 1/2 | 125,101 | 1/2 | 110,031 | 1/2 | 94,953 |
| 3/4 |       | 3/4 |         | 3/4 | 200,059 | 3/4 | 185,040 | 3/4 | 169,997 | 3/4 | 154,927 | 3/4 | 139,857 | 3/4 | 124,787 | 3/4 | 109,717 | 3/4 | 94,639 |
| 2   |       | 2   |         | 2   | 199,746 | 2   | 184,727 | 2   | 169,683 | 2   | 154,613 | 2   | 139,543 | 2   | 124,473 | 2   | 109,403 | 2   | 94,325 |
| 1/4 |       | 1/4 |         | 1/4 | 199,433 | 1/4 | 184,415 | 1/4 | 169,369 | 1/4 | 154,299 | 1/4 | 139,229 | 1/4 | 124,159 | 1/4 | 109,089 | 1/4 | 94,011 |
| 1/2 |       | 1/2 | 213,050 | 1/2 | 199,121 | 1/2 | 184,102 | 1/2 | 169,055 | 1/2 | 153,985 | 1/2 | 138,915 | 1/2 | 123,845 | 1/2 | 108,775 | 1/2 | 93,697 |
| 3/4 |       | 3/4 | 212,871 | 3/4 | 198,808 | 3/4 | 183,789 | 3/4 | 168,741 | 3/4 | 153,671 | 3/4 | 138,601 | 3/4 | 123,531 | 3/4 | 108,460 | 3/4 | 93,383 |
| 3   |       | 3   | 212,692 | 3   | 198,495 | 3   | 183,476 | 3   | 168,427 | 3   | 153,357 | 3   | 138,287 | 3   | 123,217 | 3   | 108,146 | 3   | 93,069 |
| 1/4 |       | 1/4 | 212,512 | 1/4 | 198,182 | 1/4 | 183,163 | 1/4 | 168,113 | 1/4 | 153,043 | 1/4 | 137,973 | 1/4 | 122,903 | 1/4 | 107,832 | 1/4 | 92,755 |
| 1/2 |       | 1/2 | 212,333 | 1/2 | 197,869 | 1/2 | 182,850 | 1/2 | 167,799 | 1/2 | 152,729 | 1/2 | 137,659 | 1/2 | 122,589 | 1/2 | 107,518 | 1/2 | 92,440 |
| 3/4 |       | 3/4 | 212,102 | 3/4 | 197,556 | 3/4 | 182,537 | 3/4 | 167,485 | 3/4 | 152,415 | 3/4 | 137,345 | 3/4 | 122,275 | 3/4 | 107,204 | 3/4 | 92,126 |
| 4   |       | 4   | 211,871 | 4   | 197,243 | 4   | 182,224 | 4   | 167,171 | 4   | 152,101 | 4   | 137,031 | 4   | 121,961 | 4   | 106,890 | 4   | 91,812 |
| 1/4 |       | 1/4 | 211,639 | 1/4 | 196,930 | 1/4 | 181,911 | 1/4 | 166,857 | 1/4 | 151,787 | 1/4 | 136,717 | 1/4 | 121,647 | 1/4 | 106,576 | 1/4 | 91,498 |
| 1/2 |       | 1/2 | 211,408 | 1/2 | 196,617 | 1/2 | 181,598 | 1/2 | 166,543 | 1/2 | 151,473 | 1/2 | 136,403 | 1/2 | 121,333 | 1/2 | 106,262 | 1/2 | 91,184 |
| 3/4 |       | 3/4 | 211,128 | 3/4 | 196,305 | 3/4 | 181,286 | 3/4 | 166,229 | 3/4 | 151,159 | 3/4 | 136,089 | 3/4 | 121,019 | 3/4 | 105,947 | 3/4 | 90,870 |
| 5   |       | 5   | 210,848 | 5   | 195,992 | 5   | 180,973 | 5   | 165,915 | 5   | 150,845 | 5   | 135,775 | 5   | 120,705 | 5   | 105,633 | 5   | 90,556 |
| 1/4 |       | 1/4 | 210,568 | 1/4 | 195,679 | 1/4 | 180,660 | 1/4 | 165,601 | 1/4 | 150,531 | 1/4 | 135,461 | 1/4 | 120,391 | 1/4 | 105,319 | 1/4 | 90,242 |
| 1/2 |       | 1/2 | 210,288 | 1/2 | 195,366 | 1/2 | 180,347 | 1/2 | 165,288 | 1/2 | 150,217 | 1/2 | 135,147 | 1/2 | 120,077 | 1/2 | 105,005 | 1/2 | 89,927 |
| 3/4 |       | 3/4 | 209,982 | 3/4 | 195,053 | 3/4 | 180,034 | 3/4 | 164,974 | 3/4 | 149,904 | 3/4 | 134,833 | 3/4 | 119,763 | 3/4 | 104,691 | 3/4 | 89,613 |
| 6   |       | 6   | 209,676 | 6   | 194,740 | 6   | 179,721 | 6   | 164,660 | 6   | 149,590 | 6   | 134,519 | 6   | 119,449 | 6   | 104,377 | 6   | 89,299 |
| 1/4 |       | 1/4 | 209,371 | 1/4 | 194,427 | 1/4 | 179,408 | 1/4 | 164,346 | 1/4 | 149,276 | 1/4 | 134,206 | 1/4 | 119,135 | 1/4 | 104,063 | 1/4 | 88,985 |
| 1/2 |       | 1/2 | 209,065 | 1/2 | 194,114 | 1/2 | 179,095 | 1/2 | 164,032 | 1/2 | 148,962 | 1/2 | 133,892 | 1/2 | 118,822 | 1/2 | 103,749 | 1/2 | 88,671 |
| 3/4 |       | 3/4 | 208,755 | 3/4 | 193,801 | 3/4 | 178,782 | 3/4 | 163,718 | 3/4 | 148,648 | 3/4 | 133,578 | 3/4 | 118,508 | 3/4 | 103,435 | 3/4 | 88,357 |
| 7   |       | 7   | 208,446 | 7   | 193,488 | 7   | 178,470 | 7   | 163,404 | 7   | 148,334 | 7   | 133,264 | 7   | 118,194 | 7   | 103,120 | 7   | 88,043 |
| 1/4 |       | 1/4 | 208,136 | 1/4 | 193,176 | 1/4 | 178,157 | 1/4 | 163,090 | 1/4 | 148,020 | 1/4 | 132,950 | 1/4 | 117,880 | 1/4 | 102,806 | 1/4 | 87,729 |
| 1/2 |       | 1/2 | 207,827 | 1/2 | 192,863 | 1/2 | 177,844 | 1/2 | 162,776 | 1/2 | 147,706 | 1/2 | 132,636 | 1/2 | 117,566 | 1/2 | 102,492 | 1/2 | 87,415 |
| 3/4 |       | 3/4 | 207,517 | 3/4 | 192,550 | 3/4 | 177,530 | 3/4 | 162,462 | 3/4 | 147,392 | 3/4 | 132,322 | 3/4 | 117,252 | 3/4 | 102,178 | 3/4 | 87,100 |
| 8   |       | 8   | 207,207 | 8   | 192,237 | 8   | 177,217 | 8   | 162,148 | 8   | 147,078 | 8   | 132,008 | 8   | 116,938 | 8   | 101,864 | 8   | 86,786 |
| 1/4 |       | 1/4 | 206,897 | 1/4 | 191,924 | 1/4 | 176,903 | 1/4 | 161,834 | 1/4 | 146,764 | 1/4 | 131,694 | 1/4 | 116,624 | 1/4 | 101,550 | 1/4 | 86,472 |
| 1/2 |       | 1/2 | 206,588 | 1/2 | 191,611 | 1/2 | 176,590 | 1/2 | 161,520 | 1/2 | 146,450 | 1/2 | 131,380 | 1/2 | 116,310 | 1/2 | 101,236 | 1/2 | 86,158 |
| 3/4 |       | 3/4 | 206,278 | 3/4 | 191,298 | 3/4 | 176,276 | 3/4 | 161,206 | 3/4 | 146,136 | 3/4 | 131,066 | 3/4 | 115,996 | 3/4 | 100,922 | 3/4 | 85,844 |
| 9   |       | 9   | 205,968 | 9   | 190,985 | 9   | 175,962 | 9   | 160,892 | 9   | 145,822 | 9   | 130,752 | 9   | 115,682 | 9   | 100,607 | 9   | 85,530 |
| 1/4 |       | 1/4 | 205,658 | 1/4 | 190,672 | 1/4 | 175,648 | 1/4 | 160,578 | 1/4 | 145,508 | 1/4 | 130,438 | 1/4 | 115,368 | 1/4 | 100,293 | 1/4 | 85,216 |
| 1/2 |       | 1/2 | 205,348 | 1/2 | 190,360 | 1/2 | 175,334 | 1/2 | 160,264 | 1/2 | 145,194 | 1/2 | 130,124 | 1/2 | 115,054 | 1/2 | 99,979  | 1/2 | 84,902 |
| 3/4 |       | 3/4 | 205,038 | 3/4 | 190,047 | 3/4 | 175,020 | 3/4 | 159,950 | 3/4 | 144,880 | 3/4 | 129,810 | 3/4 | 114,740 | 3/4 | 99,665  | 3/4 | 84,587 |
| 10  |       | 10  | 204,728 | 10  | 189,734 | 10  | 174,706 | 10  | 159,636 | 10  | 144,566 | 10  | 129,496 | 10  | 114,426 | 10  | 99,351  | 10  | 84,273 |
| 1/4 |       | 1/4 | 204,418 | 1/4 | 189,421 | 1/4 | 174,392 | 1/4 | 159,322 | 1/4 | 144,252 | 1/4 | 129,182 | 1/4 | 114,112 | 1/4 | 99,037  | 1/4 | 83,959 |
| 1/2 |       | 1/2 | 204,108 | 1/2 | 189,108 | 1/2 | 174,078 | 1/2 | 159,008 | 1/2 | 143,938 | 1/2 | 128,868 | 1/2 | 113,798 | 1/2 | 98,723  | 1/2 | 83,645 |
| 3/4 |       | 3/4 | 203,798 | 3/4 | 188,795 | 3/4 | 173,764 | 3/4 | 158,694 | 3/4 | 143,624 | 3/4 | 128,554 | 3/4 | 113,484 | 3/4 | 98,409  | 3/4 | 83,331 |
| 11  |       | 11  | 203,489 | 11  | 188,482 | 11  | 173,450 | 11  | 158,380 | 11  | 143,310 | 11  | 128,240 | 11  | 113,170 | 11  | 98,095  | 11  | 83,017 |
| 1/4 |       | 1/4 | 203,179 | 1/4 | 188,169 | 1/4 | 173,137 | 1/4 | 158,066 | 1/4 | 142,996 | 1/4 | 127,926 | 1/4 | 112,856 | 1/4 | 97,780  | 1/4 | 82,703 |
| 1/2 |       | 1/2 | 202,869 | 1/2 | 187,856 | 1/2 | 172,823 | 1/2 | 157,752 | 1/2 | 142,682 | 1/2 | 127,612 | 1/2 | 112,542 | 1/2 | 97,466  | 1/2 | 82,389 |
| 3/4 |       | 3/4 | 202,558 | 3/4 | 187,543 | 3/4 | 172,509 | 3/4 | 157,439 | 3/4 | 142,368 | 3/4 | 127,298 | 3/4 | 112,228 | 3/4 | 97,152  | 3/4 | 82,075 |

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 OR 8" HATCH.  
 GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD.  
 GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 41'-09" FORWARD OF AFT BULKHEAD

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "HSM 3041"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/2"

| IN  | 10 FT. | IN  | 11 FT. | IN  | 12 FT. | IN  | 13 FT. | IN  | 14 FT. | IN  | 15 FT. | IN  | 16 FT. | IN  | 17 FT. | IN  | 18 FT. | IN  | 19 FT. |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0   | 81,760 | 0   | 66,683 | 0   | 52,123 | 0   | 37,647 | 0   | 22,619 | 0   | 7,542  | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 81,446 | 1/4 | 66,369 | 1/4 | 51,821 | 1/4 | 37,344 | 1/4 | 22,305 | 1/4 | 7,228  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 81,132 | 1/2 | 66,055 | 1/2 | 51,519 | 1/2 | 37,042 | 1/2 | 21,991 | 1/2 | 6,914  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 80,818 | 3/4 | 65,746 | 3/4 | 51,217 | 3/4 | 36,734 | 3/4 | 21,677 | 3/4 | 6,599  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 80,504 | 1   | 65,438 | 1   | 50,915 | 1   | 36,426 | 1   | 21,362 | 1   | 6,285  | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 80,190 | 1/4 | 65,130 | 1/4 | 50,613 | 1/4 | 36,117 | 1/4 | 21,048 | 1/4 | 5,971  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 79,876 | 1/2 | 64,822 | 1/2 | 50,311 | 1/2 | 35,809 | 1/2 | 20,734 | 1/2 | 5,657  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 79,562 | 3/4 | 64,519 | 3/4 | 50,009 | 3/4 | 35,495 | 3/4 | 20,420 | 3/4 | 5,343  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 79,248 | 2   | 64,217 | 2   | 49,707 | 2   | 35,181 | 2   | 20,106 | 2   | 5,030  | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 78,933 | 1/4 | 63,915 | 1/4 | 49,406 | 1/4 | 34,867 | 1/4 | 19,792 | 1/4 | 4,716  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 78,619 | 1/2 | 63,612 | 1/2 | 49,104 | 1/2 | 34,553 | 1/2 | 19,478 | 1/2 | 4,402  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 78,305 | 3/4 | 63,310 | 3/4 | 48,803 | 3/4 | 34,239 | 3/4 | 19,164 | 3/4 | 4,089  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 77,991 | 3   | 63,008 | 3   | 48,501 | 3   | 33,924 | 3   | 18,850 | 3   | 3,776  | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 77,677 | 1/4 | 62,705 | 1/4 | 48,200 | 1/4 | 33,610 | 1/4 | 18,536 | 1/4 | 3,462  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 77,363 | 1/2 | 62,403 | 1/2 | 47,898 | 1/2 | 33,296 | 1/2 | 18,221 | 1/2 | 3,149  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 77,049 | 3/4 | 62,101 | 3/4 | 47,597 | 3/4 | 32,982 | 3/4 | 17,907 | 3/4 | 2,856  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 76,735 | 4   | 61,798 | 4   | 47,295 | 4   | 32,668 | 4   | 17,593 | 4   | 2,562  | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 76,420 | 1/4 | 61,496 | 1/4 | 46,994 | 1/4 | 32,354 | 1/4 | 17,279 | 1/4 | 2,268  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 76,106 | 1/2 | 61,194 | 1/2 | 46,692 | 1/2 | 32,040 | 1/2 | 16,965 | 1/2 | 1,975  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 75,792 | 3/4 | 60,891 | 3/4 | 46,391 | 3/4 | 31,726 | 3/4 | 16,651 | 3/4 | 1,739  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 75,478 | 5   | 60,589 | 5   | 46,090 | 5   | 31,412 | 5   | 16,337 | 5   | 1,503  | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 75,164 | 1/4 | 60,287 | 1/4 | 45,788 | 1/4 | 31,098 | 1/4 | 16,023 | 1/4 | 1,268  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 74,850 | 1/2 | 59,984 | 1/2 | 45,487 | 1/2 | 30,783 | 1/2 | 15,709 | 1/2 | 1,032  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 74,536 | 3/4 | 59,682 | 3/4 | 45,185 | 3/4 | 30,469 | 3/4 | 15,394 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 74,222 | 6   | 59,380 | 6   | 44,884 | 6   | 30,155 | 6   | 15,080 | 6   |        | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 73,908 | 1/4 | 59,077 | 1/4 | 44,583 | 1/4 | 29,841 | 1/4 | 14,766 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 73,593 | 1/2 | 58,775 | 1/2 | 44,281 | 1/2 | 29,527 | 1/2 | 14,452 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 73,279 | 3/4 | 58,473 | 3/4 | 43,980 | 3/4 | 29,213 | 3/4 | 14,138 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 72,965 | 7   | 58,170 | 7   | 43,678 | 7   | 28,899 | 7   | 13,824 | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 72,651 | 1/4 | 57,868 | 1/4 | 43,377 | 1/4 | 28,586 | 1/4 | 13,510 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 72,337 | 1/2 | 57,565 | 1/2 | 43,076 | 1/2 | 28,272 | 1/2 | 13,196 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 72,023 | 3/4 | 57,263 | 3/4 | 42,774 | 3/4 | 27,958 | 3/4 | 12,882 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 71,709 | 8   | 56,961 | 8   | 42,473 | 8   | 27,644 | 8   | 12,567 | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 71,395 | 1/4 | 56,658 | 1/4 | 42,171 | 1/4 | 27,330 | 1/4 | 12,253 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 71,080 | 1/2 | 56,356 | 1/2 | 41,870 | 1/2 | 27,016 | 1/2 | 11,939 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 70,766 | 3/4 | 56,054 | 3/4 | 41,569 | 3/4 | 26,702 | 3/4 | 11,625 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 70,452 | 9   | 55,751 | 9   | 41,267 | 9   | 26,388 | 9   | 11,311 | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 70,138 | 1/4 | 55,449 | 1/4 | 40,966 | 1/4 | 26,074 | 1/4 | 10,997 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 69,824 | 1/2 | 55,147 | 1/2 | 40,664 | 1/2 | 25,760 | 1/2 | 10,683 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 69,510 | 3/4 | 54,844 | 3/4 | 40,363 | 3/4 | 25,446 | 3/4 | 10,369 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 69,196 | 10  | 54,542 | 10  | 40,062 | 10  | 25,132 | 10  | 10,055 | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 68,882 | 1/4 | 54,240 | 1/4 | 39,760 | 1/4 | 24,818 | 1/4 | 9,741  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 68,568 | 1/2 | 53,937 | 1/2 | 39,459 | 1/2 | 24,504 | 1/2 | 9,426  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 68,253 | 3/4 | 53,635 | 3/4 | 39,157 | 3/4 | 24,189 | 3/4 | 9,112  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 67,939 | 11  | 53,333 | 11  | 38,855 | 11  | 23,875 | 11  | 8,798  | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 67,625 | 1/4 | 53,030 | 1/4 | 38,553 | 1/4 | 23,561 | 1/4 | 8,484  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 67,311 | 1/2 | 52,728 | 1/2 | 38,251 | 1/2 | 23,247 | 1/2 | 8,170  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 66,997 | 3/4 | 52,426 | 3/4 | 37,949 | 3/4 | 22,933 | 3/4 | 7,856  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/25/2020 CL  
CALCULATED: 02/25/2020 CL  
PRINTED: 02/26/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2020

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







# BARGE "HSM 3041"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

| 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   | 82,284 | 0   | 67,203 | 0   | 52,122 | 0   | 37,076 | 0   | 21,997 | 0   | 6,916  | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 81,970 | 1/4 | 66,889 | 1/4 | 51,808 | 1/4 | 36,762 | 1/4 | 21,683 | 1/4 | 6,601  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 81,656 | 1/2 | 66,574 | 1/2 | 51,494 | 1/2 | 36,447 | 1/2 | 21,368 | 1/2 | 6,287  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 81,342 | 3/4 | 66,260 | 3/4 | 51,180 | 3/4 | 36,133 | 3/4 | 21,054 | 3/4 | 5,973  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 81,027 | 1   | 65,946 | 1   | 50,866 | 1   | 35,819 | 1   | 20,740 | 1   | 5,659  | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 80,713 | 1/4 | 65,632 | 1/4 | 50,553 | 1/4 | 35,505 | 1/4 | 20,426 | 1/4 | 5,345  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 80,399 | 1/2 | 65,318 | 1/2 | 50,239 | 1/2 | 35,191 | 1/2 | 20,112 | 1/2 | 5,031  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 80,085 | 3/4 | 65,003 | 3/4 | 49,926 | 3/4 | 34,876 | 3/4 | 19,797 | 3/4 | 4,717  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 79,771 | 2   | 64,689 | 2   | 49,612 | 2   | 34,562 | 2   | 19,483 | 2   | 4,403  | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 79,456 | 1/4 | 64,375 | 1/4 | 49,299 | 1/4 | 34,248 | 1/4 | 19,169 | 1/4 | 4,090  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 79,142 | 1/2 | 64,061 | 1/2 | 48,986 | 1/2 | 33,934 | 1/2 | 18,855 | 1/2 | 3,777  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 78,828 | 3/4 | 63,747 | 3/4 | 48,672 | 3/4 | 33,620 | 3/4 | 18,541 | 3/4 | 3,464  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 78,514 | 3   | 63,433 | 3   | 48,359 | 3   | 33,305 | 3   | 18,226 | 3   | 3,150  | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 78,200 | 1/4 | 63,118 | 1/4 | 48,046 | 1/4 | 32,991 | 1/4 | 17,912 | 1/4 | 2,837  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 77,885 | 1/2 | 62,804 | 1/2 | 47,732 | 1/2 | 32,677 | 1/2 | 17,598 | 1/2 | 2,523  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 77,571 | 3/4 | 62,490 | 3/4 | 47,419 | 3/4 | 32,363 | 3/4 | 17,284 | 3/4 | 2,209  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 77,257 | 4   | 62,176 | 4   | 47,106 | 4   | 32,049 | 4   | 16,970 | 4   | 1,895  | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 76,943 | 1/4 | 61,862 | 1/4 | 46,792 | 1/4 | 31,734 | 1/4 | 16,656 | 1/4 | 1,740  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 76,629 | 1/2 | 61,547 | 1/2 | 46,479 | 1/2 | 31,420 | 1/2 | 16,341 | 1/2 | 1,504  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 76,314 | 3/4 | 61,233 | 3/4 | 46,166 | 3/4 | 31,106 | 3/4 | 16,027 | 3/4 | 1,268  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 76,000 | 5   | 60,919 | 5   | 45,853 | 5   | 30,792 | 5   | 15,713 | 5   | 1,033  | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 75,686 | 1/4 | 60,605 | 1/4 | 45,539 | 1/4 | 30,478 | 1/4 | 15,399 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 75,372 | 1/2 | 60,291 | 1/2 | 45,226 | 1/2 | 30,164 | 1/2 | 15,085 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 75,058 | 3/4 | 59,976 | 3/4 | 44,913 | 3/4 | 29,850 | 3/4 | 14,770 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 74,743 | 6   | 59,662 | 6   | 44,600 | 6   | 29,535 | 6   | 14,456 | 6   |        | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 74,429 | 1/4 | 59,348 | 1/4 | 44,286 | 1/4 | 29,221 | 1/4 | 14,142 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 74,115 | 1/2 | 59,034 | 1/2 | 43,973 | 1/2 | 28,907 | 1/2 | 13,828 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 73,801 | 3/4 | 58,720 | 3/4 | 43,660 | 3/4 | 28,593 | 3/4 | 13,514 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 73,487 | 7   | 58,405 | 7   | 43,347 | 7   | 28,279 | 7   | 13,199 | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 73,173 | 1/4 | 58,091 | 1/4 | 43,033 | 1/4 | 27,966 | 1/4 | 12,885 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 72,858 | 1/2 | 57,777 | 1/2 | 42,720 | 1/2 | 27,652 | 1/2 | 12,571 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 72,544 | 3/4 | 57,463 | 3/4 | 42,407 | 3/4 | 27,338 | 3/4 | 12,257 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 72,230 | 8   | 57,149 | 8   | 42,094 | 8   | 27,024 | 8   | 11,943 | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 71,916 | 1/4 | 56,834 | 1/4 | 41,780 | 1/4 | 26,709 | 1/4 | 11,628 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 71,602 | 1/2 | 56,520 | 1/2 | 41,467 | 1/2 | 26,395 | 1/2 | 11,314 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 71,287 | 3/4 | 56,206 | 3/4 | 41,154 | 3/4 | 26,081 | 3/4 | 11,000 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 70,973 | 9   | 55,892 | 9   | 40,840 | 9   | 25,767 | 9   | 10,686 | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 70,659 | 1/4 | 55,578 | 1/4 | 40,527 | 1/4 | 25,453 | 1/4 | 10,372 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 70,345 | 1/2 | 55,264 | 1/2 | 40,214 | 1/2 | 25,139 | 1/2 | 10,057 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 70,031 | 3/4 | 54,949 | 3/4 | 39,901 | 3/4 | 24,825 | 3/4 | 9,743  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 69,716 | 10  | 54,635 | 10  | 39,587 | 10  | 24,510 | 10  | 9,429  | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 69,402 | 1/4 | 54,321 | 1/4 | 39,274 | 1/4 | 24,196 | 1/4 | 9,115  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 69,088 | 1/2 | 54,007 | 1/2 | 38,960 | 1/2 | 23,882 | 1/2 | 8,801  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 68,774 | 3/4 | 53,693 | 3/4 | 38,646 | 3/4 | 23,568 | 3/4 | 8,487  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 68,460 | 11  | 53,378 | 11  | 38,332 | 11  | 23,254 | 11  | 8,172  | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 68,145 | 1/4 | 53,064 | 1/4 | 38,018 | 1/4 | 22,939 | 1/4 | 7,858  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 67,831 | 1/2 | 52,750 | 1/2 | 37,704 | 1/2 | 22,625 | 1/2 | 7,544  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 67,517 | 3/4 | 52,436 | 3/4 | 37,390 | 3/4 | 22,311 | 3/4 | 7,230  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/25/2020 CL  
CALCULATED: 02/25/2020 CL  
PRINTED: 02/26/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2020

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





# BARGE "HSM 3041"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

| 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   | 81,112 | 0   | 66,192 | 0   | 51,450 | 0   | 36,867 | 0   | 21,890 | 0   | 6,886  | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 80,800 | 1/4 | 65,882 | 1/4 | 51,148 | 1/4 | 36,558 | 1/4 | 21,577 | 1/4 | 6,574  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 80,488 | 1/2 | 65,571 | 1/2 | 50,845 | 1/2 | 36,250 | 1/2 | 21,265 | 1/2 | 6,261  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 80,175 | 3/4 | 65,261 | 3/4 | 50,543 | 3/4 | 35,942 | 3/4 | 20,952 | 3/4 | 5,949  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 79,863 | 1   | 64,951 | 1   | 50,240 | 1   | 35,633 | 1   | 20,640 | 1   | 5,636  | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 79,550 | 1/4 | 64,640 | 1/4 | 49,937 | 1/4 | 35,321 | 1/4 | 20,327 | 1/4 | 5,323  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 79,238 | 1/2 | 64,330 | 1/2 | 49,635 | 1/2 | 35,010 | 1/2 | 20,015 | 1/2 | 5,011  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 78,926 | 3/4 | 64,019 | 3/4 | 49,332 | 3/4 | 34,698 | 3/4 | 19,702 | 3/4 | 4,698  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 78,613 | 2   | 63,709 | 2   | 49,030 | 2   | 34,386 | 2   | 19,390 | 2   | 4,386  | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 78,302 | 1/4 | 63,398 | 1/4 | 48,727 | 1/4 | 34,073 | 1/4 | 19,078 | 1/4 | 4,074  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 77,990 | 1/2 | 63,086 | 1/2 | 48,424 | 1/2 | 33,761 | 1/2 | 18,765 | 1/2 | 3,762  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 77,679 | 3/4 | 62,775 | 3/4 | 48,122 | 3/4 | 33,448 | 3/4 | 18,453 | 3/4 | 3,450  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 77,368 | 3   | 62,464 | 3   | 47,819 | 3   | 33,136 | 3   | 18,140 | 3   | 3,138  | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 77,057 | 1/4 | 62,152 | 1/4 | 47,517 | 1/4 | 32,823 | 1/4 | 17,828 | 1/4 | 2,845  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 76,747 | 1/2 | 61,840 | 1/2 | 47,215 | 1/2 | 32,511 | 1/2 | 17,515 | 1/2 | 2,552  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 76,436 | 3/4 | 61,528 | 3/4 | 46,913 | 3/4 | 32,199 | 3/4 | 17,203 | 3/4 | 2,260  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 76,126 | 4   | 61,215 | 4   | 46,611 | 4   | 31,886 | 4   | 16,890 | 4   | 1,967  | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 75,815 | 1/4 | 60,903 | 1/4 | 46,309 | 1/4 | 31,574 | 1/4 | 16,578 | 1/4 | 1,733  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 75,505 | 1/2 | 60,591 | 1/2 | 46,007 | 1/2 | 31,261 | 1/2 | 16,265 | 1/2 | 1,498  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 75,195 | 3/4 | 60,279 | 3/4 | 45,705 | 3/4 | 30,949 | 3/4 | 15,953 | 3/4 | 1,263  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 74,884 | 5   | 59,967 | 5   | 45,403 | 5   | 30,636 | 5   | 15,641 | 5   | 1,029  | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 74,574 | 1/4 | 59,658 | 1/4 | 45,100 | 1/4 | 30,324 | 1/4 | 15,328 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 74,263 | 1/2 | 59,349 | 1/2 | 44,796 | 1/2 | 30,012 | 1/2 | 15,016 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 73,953 | 3/4 | 59,040 | 3/4 | 44,493 | 3/4 | 29,699 | 3/4 | 14,703 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 73,642 | 6   | 58,731 | 6   | 44,189 | 6   | 29,387 | 6   | 14,391 | 6   |        | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 73,332 | 1/4 | 58,426 | 1/4 | 43,884 | 1/4 | 29,075 | 1/4 | 14,078 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 73,022 | 1/2 | 58,120 | 1/2 | 43,579 | 1/2 | 28,762 | 1/2 | 13,766 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 72,711 | 3/4 | 57,814 | 3/4 | 43,274 | 3/4 | 28,450 | 3/4 | 13,453 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 72,401 | 7   | 57,508 | 7   | 42,969 | 7   | 28,138 | 7   | 13,141 | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 72,090 | 1/4 | 57,204 | 1/4 | 42,664 | 1/4 | 27,825 | 1/4 | 12,828 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 71,780 | 1/2 | 56,900 | 1/2 | 42,359 | 1/2 | 27,513 | 1/2 | 12,516 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 71,469 | 3/4 | 56,596 | 3/4 | 42,054 | 3/4 | 27,201 | 3/4 | 12,204 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 71,159 | 8   | 56,292 | 8   | 41,749 | 8   | 26,889 | 8   | 11,891 | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 70,849 | 1/4 | 55,989 | 1/4 | 41,443 | 1/4 | 26,576 | 1/4 | 11,578 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 70,538 | 1/2 | 55,687 | 1/2 | 41,138 | 1/2 | 26,264 | 1/2 | 11,266 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 70,228 | 3/4 | 55,384 | 3/4 | 40,833 | 3/4 | 25,951 | 3/4 | 10,953 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 69,917 | 9   | 55,081 | 9   | 40,528 | 9   | 25,639 | 9   | 10,640 | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 69,607 | 1/4 | 54,779 | 1/4 | 40,223 | 1/4 | 25,327 | 1/4 | 10,327 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 69,296 | 1/2 | 54,476 | 1/2 | 39,918 | 1/2 | 25,014 | 1/2 | 10,014 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 68,986 | 3/4 | 54,174 | 3/4 | 39,613 | 3/4 | 24,702 | 3/4 | 9,701  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 68,676 | 10  | 53,871 | 10  | 39,308 | 10  | 24,389 | 10  | 9,389  | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 68,365 | 1/4 | 53,568 | 1/4 | 39,002 | 1/4 | 24,077 | 1/4 | 9,076  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 68,055 | 1/2 | 53,266 | 1/2 | 38,697 | 1/2 | 23,764 | 1/2 | 8,763  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 67,744 | 3/4 | 52,963 | 3/4 | 38,392 | 3/4 | 23,452 | 3/4 | 8,450  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 67,434 | 11  | 52,661 | 11  | 38,087 | 11  | 23,139 | 11  | 8,137  | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 67,124 | 1/4 | 52,358 | 1/4 | 37,782 | 1/4 | 22,827 | 1/4 | 7,824  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 66,813 | 1/2 | 52,055 | 1/2 | 37,477 | 1/2 | 22,515 | 1/2 | 7,512  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 66,503 | 3/4 | 51,753 | 3/4 | 37,172 | 3/4 | 22,202 | 3/4 | 7,199  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/25/2020 CL  
CALCULATED: 02/25/2020 CL  
PRINTED: 02/26/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2020

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





# BARGE "HSM 3041"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-04 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   | 81,698 | 0   | 66,670 | 0   | 51,643 | 0   | 36,630 | 0   | 21,605 | 0   | 6,578  | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 81,385 | 1/4 | 66,357 | 1/4 | 51,329 | 1/4 | 36,318 | 1/4 | 21,292 | 1/4 | 6,265  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 81,072 | 1/2 | 66,044 | 1/2 | 51,016 | 1/2 | 36,005 | 1/2 | 20,979 | 1/2 | 5,952  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 80,759 | 3/4 | 65,731 | 3/4 | 50,703 | 3/4 | 35,692 | 3/4 | 20,666 | 3/4 | 5,639  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 80,446 | 1   | 65,418 | 1   | 50,390 | 1   | 35,380 | 1   | 20,353 | 1   | 5,326  | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 80,133 | 1/4 | 65,105 | 1/4 | 50,077 | 1/4 | 35,067 | 1/4 | 20,040 | 1/4 | 5,013  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 79,820 | 1/2 | 64,792 | 1/2 | 49,764 | 1/2 | 34,754 | 1/2 | 19,727 | 1/2 | 4,700  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 79,507 | 3/4 | 64,479 | 3/4 | 49,451 | 3/4 | 34,441 | 3/4 | 19,414 | 3/4 | 4,387  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 79,194 | 2   | 64,166 | 2   | 49,138 | 2   | 34,128 | 2   | 19,101 | 2   | 4,075  | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 78,881 | 1/4 | 63,853 | 1/4 | 48,825 | 1/4 | 33,815 | 1/4 | 18,788 | 1/4 | 3,763  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 78,567 | 1/2 | 63,540 | 1/2 | 48,512 | 1/2 | 33,502 | 1/2 | 18,474 | 1/2 | 3,451  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 78,254 | 3/4 | 63,227 | 3/4 | 48,199 | 3/4 | 33,189 | 3/4 | 18,161 | 3/4 | 3,139  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 77,941 | 3   | 62,913 | 3   | 47,886 | 3   | 32,876 | 3   | 17,848 | 3   | 2,846  | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 77,628 | 1/4 | 62,600 | 1/4 | 47,573 | 1/4 | 32,563 | 1/4 | 17,535 | 1/4 | 2,554  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 77,315 | 1/2 | 62,287 | 1/2 | 47,260 | 1/2 | 32,250 | 1/2 | 17,222 | 1/2 | 2,261  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 77,002 | 3/4 | 61,974 | 3/4 | 46,947 | 3/4 | 31,937 | 3/4 | 16,909 | 3/4 | 1,968  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 76,689 | 4   | 61,661 | 4   | 46,634 | 4   | 31,623 | 4   | 16,596 | 4   | 1,733  | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 76,376 | 1/4 | 61,348 | 1/4 | 46,321 | 1/4 | 31,310 | 1/4 | 16,283 | 1/4 | 1,499  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 76,063 | 1/2 | 61,035 | 1/2 | 46,008 | 1/2 | 30,997 | 1/2 | 15,970 | 1/2 | 1,264  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 75,750 | 3/4 | 60,722 | 3/4 | 45,696 | 3/4 | 30,684 | 3/4 | 15,657 | 3/4 | 1,029  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 75,437 | 5   | 60,409 | 5   | 45,383 | 5   | 30,371 | 5   | 15,344 | 5   |        | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 75,124 | 1/4 | 60,096 | 1/4 | 45,070 | 1/4 | 30,058 | 1/4 | 15,031 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 74,810 | 1/2 | 59,783 | 1/2 | 44,757 | 1/2 | 29,745 | 1/2 | 14,718 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 74,497 | 3/4 | 59,470 | 3/4 | 44,445 | 3/4 | 29,432 | 3/4 | 14,405 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 74,184 | 6   | 59,156 | 6   | 44,132 | 6   | 29,119 | 6   | 14,092 | 6   |        | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 73,871 | 1/4 | 58,843 | 1/4 | 43,820 | 1/4 | 28,806 | 1/4 | 13,778 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 73,558 | 1/2 | 58,530 | 1/2 | 43,507 | 1/2 | 28,493 | 1/2 | 13,465 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 73,245 | 3/4 | 58,217 | 3/4 | 43,194 | 3/4 | 28,180 | 3/4 | 13,152 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 72,932 | 7   | 57,904 | 7   | 42,882 | 7   | 27,867 | 7   | 12,839 | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 72,619 | 1/4 | 57,591 | 1/4 | 42,569 | 1/4 | 27,554 | 1/4 | 12,526 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 72,306 | 1/2 | 57,278 | 1/2 | 42,257 | 1/2 | 27,240 | 1/2 | 12,213 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 71,993 | 3/4 | 56,965 | 3/4 | 41,944 | 3/4 | 26,927 | 3/4 | 11,900 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 71,680 | 8   | 56,652 | 8   | 41,632 | 8   | 26,614 | 8   | 11,587 | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 71,367 | 1/4 | 56,339 | 1/4 | 41,319 | 1/4 | 26,301 | 1/4 | 11,274 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 71,054 | 1/2 | 56,026 | 1/2 | 41,006 | 1/2 | 25,988 | 1/2 | 10,961 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 70,740 | 3/4 | 55,713 | 3/4 | 40,694 | 3/4 | 25,675 | 3/4 | 10,648 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 70,427 | 9   | 55,399 | 9   | 40,381 | 9   | 25,362 | 9   | 10,335 | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 70,114 | 1/4 | 55,086 | 1/4 | 40,069 | 1/4 | 25,049 | 1/4 | 10,022 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 69,801 | 1/2 | 54,773 | 1/2 | 39,756 | 1/2 | 24,736 | 1/2 | 9,709  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 69,488 | 3/4 | 54,460 | 3/4 | 39,443 | 3/4 | 24,423 | 3/4 | 9,395  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 69,175 | 10  | 54,147 | 10  | 39,131 | 10  | 24,110 | 10  | 9,082  | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 68,862 | 1/4 | 53,834 | 1/4 | 38,818 | 1/4 | 23,797 | 1/4 | 8,769  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 68,549 | 1/2 | 53,521 | 1/2 | 38,506 | 1/2 | 23,484 | 1/2 | 8,456  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 68,236 | 3/4 | 53,208 | 3/4 | 38,193 | 3/4 | 23,171 | 3/4 | 8,143  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 67,923 | 11  | 52,895 | 11  | 37,881 | 11  | 22,857 | 11  | 7,830  | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 67,610 | 1/4 | 52,582 | 1/4 | 37,568 | 1/4 | 22,544 | 1/4 | 7,517  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 67,297 | 1/2 | 52,269 | 1/2 | 37,255 | 1/2 | 22,231 | 1/2 | 7,204  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 66,983 | 3/4 | 51,956 | 3/4 | 36,943 | 3/4 | 21,918 | 3/4 | 6,891  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/25/2020 CL  
CALCULATED: 02/25/2020 CL  
PRINTED: 02/26/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2020

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



# BARGE "HSM 3041"

## PORT SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-07"

| 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     | 4,234 | 0     | 3,079 | 0     | 1,925 | 0     | 770   | 0     |     | 0     |     | 0     |     | 0     |     |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 4,210 | 1/4   | 3,054 | 1/4   | 1,901 | 1/4   | 746   | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 4,185 | 1/2   | 3,030 | 1/2   | 1,877 | 1/2   | 722   | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 4,161 | 3/4   | 3,006 | 3/4   | 1,853 | 3/4   | 698   | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 1     | 1   | 1     | 1   | 1     | 4,137 | 1     | 2,982 | 1     | 1,829 | 1     | 674   | 1     | 1   | 1     | 1   | 1     | 1   | 1     | 1   |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 4,113 | 1/4   | 2,958 | 1/4   | 1,805 | 1/4   | 650   | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 4,089 | 1/2   | 2,934 | 1/2   | 1,780 | 1/2   | 626   | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 4,065 | 3/4   | 2,910 | 3/4   | 1,756 | 3/4   | 602   | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 2     | 2   | 2     | 2   | 2     | 5,140 | 2     | 4,041 | 2     | 2,886 | 2     | 1,732 | 2     | 2   | 2     | 2   | 2     | 2   | 2     | 2   |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 5,128 | 1/4   | 4,017 | 1/4   | 2,862 | 1/4   | 1,708 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 5,117 | 1/2   | 3,993 | 1/2   | 2,838 | 1/2   | 1,684 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 5,105 | 3/4   | 3,969 | 3/4   | 2,814 | 3/4   | 1,660 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 3     | 3   | 3     | 3   | 3     | 5,093 | 3     | 3,945 | 3     | 2,790 | 3     | 1,636 | 3     | 3   | 3     | 3   | 3     | 3   | 3     | 3   |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 5,070 | 1/4   | 3,921 | 1/4   | 2,766 | 1/4   | 1,612 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 5,046 | 1/2   | 3,897 | 1/2   | 2,742 | 1/2   | 1,588 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 5,023 | 3/4   | 3,873 | 3/4   | 2,718 | 3/4   | 1,564 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 4     | 4   | 4     | 4   | 4     | 4,999 | 4     | 3,849 | 4     | 2,694 | 4     | 1,540 | 4     | 4   | 4     | 4   | 4     | 4   | 4     | 4   |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 4,975 | 1/4   | 3,825 | 1/4   | 2,670 | 1/4   | 1,516 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 4,952 | 1/2   | 3,800 | 1/2   | 2,646 | 1/2   | 1,492 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 4,928 | 3/4   | 3,776 | 3/4   | 2,622 | 3/4   | 1,468 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 5     | 5   | 5     | 5   | 5     | 4,904 | 5     | 3,752 | 5     | 2,597 | 5     | 1,444 | 5     | 5   | 5     | 5   | 5     | 5   | 5     | 5   |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 4,881 | 1/4   | 3,728 | 1/4   | 2,574 | 1/4   | 1,419 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 4,857 | 1/2   | 3,704 | 1/2   | 2,550 | 1/2   | 1,395 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 4,833 | 3/4   | 3,680 | 3/4   | 2,526 | 3/4   | 1,371 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 6     | 6   | 6     | 6   | 6     | 4,810 | 6     | 3,656 | 6     | 2,502 | 6     | 1,347 | 6     | 6   | 6     | 6   | 6     | 6   | 6     | 6   |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 4,786 | 1/4   | 3,632 | 1/4   | 2,478 | 1/4   | 1,323 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 4,762 | 1/2   | 3,608 | 1/2   | 2,454 | 1/2   | 1,299 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 4,739 | 3/4   | 3,584 | 3/4   | 2,430 | 3/4   | 1,275 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 7     | 7   | 7     | 7   | 7     | 4,715 | 7     | 3,560 | 7     | 2,406 | 7     | 1,251 | 7     | 7   | 7     | 7   | 7     | 7   | 7     | 7   |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 4,691 | 1/4   | 3,536 | 1/4   | 2,382 | 1/4   | 1,227 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 4,667 | 1/2   | 3,512 | 1/2   | 2,358 | 1/2   | 1,203 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 4,643 | 3/4   | 3,488 | 3/4   | 2,334 | 3/4   | 1,179 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 8     | 8   | 8     | 8   | 8     | 4,619 | 8     | 3,464 | 8     | 2,310 | 8     | 1,155 | 8     | 8   | 8     | 8   | 8     | 8   | 8     | 8   |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 4,595 | 1/4   | 3,440 | 1/4   | 2,286 | 1/4   | 1,131 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 4,570 | 1/2   | 3,415 | 1/2   | 2,262 | 1/2   | 1,107 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 4,546 | 3/4   | 3,391 | 3/4   | 2,238 | 3/4   | 1,083 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 9     | 9   | 9     | 9   | 9     | 4,522 | 9     | 3,367 | 9     | 2,214 | 9     | 1,059 | 9     | 9   | 9     | 9   | 9     | 9   | 9     | 9   |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 4,498 | 1/4   | 3,343 | 1/4   | 2,190 | 1/4   | 1,035 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 4,474 | 1/2   | 3,319 | 1/2   | 2,165 | 1/2   | 1,011 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 4,450 | 3/4   | 3,295 | 3/4   | 2,141 | 3/4   | 987   | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 10    | 10  | 10    | 10  | 10    | 4,426 | 10    | 3,271 | 10    | 2,117 | 10    | 963   | 10    | 10  | 10    | 10  | 10    | 10  | 10    | 10  |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 4,402 | 1/4   | 3,247 | 1/4   | 2,093 | 1/4   | 938   | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 4,378 | 1/2   | 3,223 | 1/2   | 2,069 | 1/2   | 914   | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 4,354 | 3/4   | 3,199 | 3/4   | 2,045 | 3/4   | 890   | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 11    | 11  | 11    | 11  | 11    | 4,330 | 11    | 3,175 | 11    | 2,021 | 11    | 866   | 11    | 11  | 11    | 11  | 11    | 11  | 11    | 11  |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 4,306 | 1/4   | 3,151 | 1/4   | 1,997 | 1/4   | 842   | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 4,282 | 1/2   | 3,127 | 1/2   | 1,973 | 1/2   | 818   | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 4,258 | 3/4   | 3,103 | 3/4   | 1,949 | 3/4   | 794   | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |

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 AT GAUGE POINT.

STRAPPED: 02/25/2020 CL  
CALCULATED: 02/25/2020 CL  
PRINTED: 02/26/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2020

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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





# BARGE "HSM 3041"

## STBD SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-07"

| 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     | 4,234 | 0     | 3,079 | 0     | 1,925 | 0     | 770 | 0     |     | 0     |     | 0     |     | 0     |     |
| 1/4   | 1/4 | 1/4   | 1/4   | 1/4   | 4,210 | 1/4   | 3,054 | 1/4   | 1,901 | 1/4   | 746 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 1/2   | 1/2   | 4,185 | 1/2   | 3,030 | 1/2   | 1,877 | 1/2   | 722 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 3/4   | 3/4   | 4,161 | 3/4   | 3,006 | 3/4   | 1,853 | 3/4   | 698 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 1     | 1   | 1     | 1     | 1     | 4,137 | 1     | 2,982 | 1     | 1,829 | 1     | 674 | 1     | 1   | 1     | 1   | 1     | 1   | 1     | 1   |
| 1/4   | 1/4 | 1/4   | 1/4   | 1/4   | 4,113 | 1/4   | 2,958 | 1/4   | 1,805 | 1/4   | 650 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 1/2   | 1/2   | 4,089 | 1/2   | 2,934 | 1/2   | 1,780 | 1/2   | 626 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 3/4   | 3/4   | 4,065 | 3/4   | 2,910 | 3/4   | 1,756 | 3/4   | 602 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 2     | 2   | 2     | 5,140 | 2     | 4,041 | 2     | 2,886 | 2     | 1,732 | 2     | 578 | 2     | 2   | 2     | 2   | 2     | 2   | 2     | 2   |
| 1/4   | 1/4 | 1/4   | 5,128 | 1/4   | 4,017 | 1/4   | 2,862 | 1/4   | 1,708 | 1/4   | 553 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 5,117 | 1/2   | 3,993 | 1/2   | 2,838 | 1/2   | 1,684 | 1/2   | 529 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 5,105 | 3/4   | 3,969 | 3/4   | 2,814 | 3/4   | 1,660 | 3/4   | 505 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 3     | 3   | 3     | 5,093 | 3     | 3,945 | 3     | 2,790 | 3     | 1,636 | 3     | 481 | 3     | 3   | 3     | 3   | 3     | 3   | 3     | 3   |
| 1/4   | 1/4 | 1/4   | 5,070 | 1/4   | 3,921 | 1/4   | 2,766 | 1/4   | 1,612 | 1/4   | 457 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 5,046 | 1/2   | 3,897 | 1/2   | 2,742 | 1/2   | 1,588 | 1/2   | 433 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 5,023 | 3/4   | 3,873 | 3/4   | 2,718 | 3/4   | 1,564 | 3/4   | 409 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 4     | 4   | 4     | 4,999 | 4     | 3,849 | 4     | 2,694 | 4     | 1,540 | 4     | 385 | 4     | 4   | 4     | 4   | 4     | 4   | 4     | 4   |
| 1/4   | 1/4 | 1/4   | 4,975 | 1/4   | 3,825 | 1/4   | 2,670 | 1/4   | 1,516 | 1/4   | 361 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 4,952 | 1/2   | 3,800 | 1/2   | 2,646 | 1/2   | 1,492 | 1/2   | 337 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 4,928 | 3/4   | 3,776 | 3/4   | 2,622 | 3/4   | 1,468 | 3/4   | 313 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 5     | 5   | 5     | 4,904 | 5     | 3,752 | 5     | 2,597 | 5     | 1,444 | 5     | 289 | 5     | 5   | 5     | 5   | 5     | 5   | 5     | 5   |
| 1/4   | 1/4 | 1/4   | 4,881 | 1/4   | 3,728 | 1/4   | 2,574 | 1/4   | 1,419 | 1/4   | 265 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 4,857 | 1/2   | 3,704 | 1/2   | 2,550 | 1/2   | 1,395 | 1/2   | 241 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 4,833 | 3/4   | 3,680 | 3/4   | 2,526 | 3/4   | 1,371 | 3/4   | 217 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 6     | 6   | 6     | 4,810 | 6     | 3,656 | 6     | 2,502 | 6     | 1,347 | 6     | 193 | 6     | 6   | 6     | 6   | 6     | 6   | 6     | 6   |
| 1/4   | 1/4 | 1/4   | 4,786 | 1/4   | 3,632 | 1/4   | 2,478 | 1/4   | 1,323 | 1/4   | 168 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 4,762 | 1/2   | 3,608 | 1/2   | 2,454 | 1/2   | 1,299 | 1/2   | 144 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 4,739 | 3/4   | 3,584 | 3/4   | 2,430 | 3/4   | 1,275 | 3/4   | 120 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 7     | 7   | 7     | 4,715 | 7     | 3,560 | 7     | 2,406 | 7     | 1,251 | 7     | 96  | 7     | 7   | 7     | 7   | 7     | 7   | 7     | 7   |
| 1/4   | 1/4 | 1/4   | 4,691 | 1/4   | 3,536 | 1/4   | 2,382 | 1/4   | 1,227 | 1/4   | 72  | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 4,667 | 1/2   | 3,512 | 1/2   | 2,358 | 1/2   | 1,203 | 1/2   | 48  | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 4,643 | 3/4   | 3,488 | 3/4   | 2,334 | 3/4   | 1,179 | 3/4   | 24  | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 8     | 8   | 8     | 4,619 | 8     | 3,464 | 8     | 2,310 | 8     | 1,155 | 8     | 0   | 8     | 8   | 8     | 8   | 8     | 8   | 8     | 8   |
| 1/4   | 1/4 | 1/4   | 4,595 | 1/4   | 3,440 | 1/4   | 2,286 | 1/4   | 1,131 | 1/4   | 0   | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 4,570 | 1/2   | 3,415 | 1/2   | 2,262 | 1/2   | 1,107 | 1/2   | 0   | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 4,546 | 3/4   | 3,391 | 3/4   | 2,238 | 3/4   | 1,083 | 3/4   | 0   | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 9     | 9   | 9     | 4,522 | 9     | 3,367 | 9     | 2,214 | 9     | 1,059 | 9     | 0   | 9     | 9   | 9     | 9   | 9     | 9   | 9     | 9   |
| 1/4   | 1/4 | 1/4   | 4,498 | 1/4   | 3,343 | 1/4   | 2,190 | 1/4   | 1,035 | 1/4   | 0   | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 4,474 | 1/2   | 3,319 | 1/2   | 2,165 | 1/2   | 1,011 | 1/2   | 0   | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 4,450 | 3/4   | 3,295 | 3/4   | 2,141 | 3/4   | 987   | 3/4   | 0   | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 10    | 10  | 10    | 4,426 | 10    | 3,271 | 10    | 2,117 | 10    | 963   | 10    | 0   | 10    | 10  | 10    | 10  | 10    | 10  | 10    | 10  |
| 1/4   | 1/4 | 1/4   | 4,402 | 1/4   | 3,247 | 1/4   | 2,093 | 1/4   | 938   | 1/4   | 0   | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 4,378 | 1/2   | 3,223 | 1/2   | 2,069 | 1/2   | 914   | 1/2   | 0   | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 4,354 | 3/4   | 3,199 | 3/4   | 2,045 | 3/4   | 890   | 3/4   | 0   | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |
| 11    | 11  | 11    | 4,330 | 11    | 3,175 | 11    | 2,021 | 11    | 866   | 11    | 0   | 11    | 11  | 11    | 11  | 11    | 11  | 11    | 11  |
| 1/4   | 1/4 | 1/4   | 4,306 | 1/4   | 3,151 | 1/4   | 1,997 | 1/4   | 842   | 1/4   | 0   | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 |
| 1/2   | 1/2 | 1/2   | 4,282 | 1/2   | 3,127 | 1/2   | 1,973 | 1/2   | 818   | 1/2   | 0   | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 |
| 3/4   | 3/4 | 3/4   | 4,258 | 3/4   | 3,103 | 3/4   | 1,949 | 3/4   | 794   | 3/4   | 0   | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 |

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 AT GAUGE POINT.

STRAPPED: 02/25/2020 CL  
CALCULATED: 02/25/2020 CL  
PRINTED: 02/26/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2020

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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