# BARGE "KIRBY 27774"

INNAGE TRIM TABLE

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

**(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 5 PORT IS 00-1/8"**
**FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 5 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/8"**

**LENGTH BETWEEN DRAFT MARKS: 254'-09"**

**May 10, 2010**


**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**

**http://www.pmacorp.net**

# BARGE "KIRBY 27774"

INNAGE TRIM TABLE

| | 7 FT. | | 8 FT. | | 9 FT. | | 10 FT. | | 11 FT. | | 12 FT. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **BOW** | **STERN** | **BOW** | **STERN** | **BOW** | **STERN** | **BOW** | **STERN** | **BOW** | **STERN** | **BOW** | **STERN** |
| **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 | 00-0/8 | - 00-0/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 |
| **2 PORT** | - 00-1/8 | 00-1/8 | - 00-1/4 | 00-1/4 | - 00-1/4 | 00-1/4 | - 00-1/4 | 00-1/4 | - 00-1/4 | 00-1/4 | - 00-1/4 | 00-1/4 |
| **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 | - 00-1/4 | 00-1/4 | - 00-1/4 | 00-1/4 |
| **3 PORT** | - 00-1/2 | 00-1/2 | - 00-1/2 | 00-1/2 | - 00-5/8 | 00-5/8 | - 00-5/8 | 00-5/8 | - 00-3/4 | 00-3/4 | - 00-3/4 | 00-3/4 |
| **3 STBD** | - 00-1/2 | 00-1/2 | - 00-1/2 | 00-1/2 | - 00-5/8 | 00-5/8 | - 00-5/8 | 00-5/8 | - 00-3/4 | 00-3/4 | - 00-3/4 | 00-3/4 |
| **4 PORT** | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/4 | 00-1/4 |
| **4 STBD** | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/4 | 00-1/4 |
| **5 PORT** | - 00-1/2 | 00-1/2 | - 00-1/2 | 00-1/2 | - 00-5/8 | 00-5/8 | - 00-5/8 | 00-5/8 | - 00-3/4 | 00-3/4 | - 00-3/4 | 00-3/4 |
| **5 STBD** | 00-3/4 | - 00-3/4 | 00-7/8 | - 00-7/8 | 01-0/8 | - 01-0/8 | 01-1/8 | - 01-1/8 | 01-1/4 | - 01-1/4 | 01-3/8 | - 01-3/8 |

**(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 5 PORT IS 00-1/8"**
**FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 5 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/8"**

**LENGTH BETWEEN DRAFT MARKS: 254'-09"**

**May 10, 2010**


**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**

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# BARGE "KIRBY 27774"

## 1 PORT

### INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

| IN | 0 FT. | IN | 0 FT. | IN | 1 FT. | IN | 1 FT. | IN | 2 FT. | IN | 2 FT. | IN | 3 FT. | IN | 3 FT. | IN | 4 FT. | IN | 4 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 13.48 | 6 | 104.70 | 0 | 201.22 | 6 | 297.74 | 0 | 394.42 | 6 | 491.10 | 0 | 587.79 | 6 | 684.47 | 0 | 781.15 | 6 | 877.83 |
| 1/8 | 14.99 | 1/8 | 106.71 | 1/8 | 203.23 | 1/8 | 299.76 | 1/8 | 396.44 | 1/8 | 493.12 | 1/8 | 589.80 | 1/8 | 686.48 | 1/8 | 783.16 | 1/8 | 879.85 |
| 1/4 | 16.50 | 1/4 | 108.73 | 1/4 | 205.24 | 1/4 | 301.77 | 1/4 | 398.45 | 1/4 | 495.13 | 1/4 | 591.81 | 1/4 | 688.50 | 1/4 | 785.18 | 1/4 | 881.86 |
| 3/8 | 18.01 | 3/8 | 110.74 | 3/8 | 207.25 | 3/8 | 303.78 | 3/8 | 400.47 | 3/8 | 497.15 | 3/8 | 593.83 | 3/8 | 690.51 | 3/8 | 787.19 | 3/8 | 883.87 |
| 1/2 | 19.52 | 1/2 | 112.76 | 1/2 | 209.26 | 1/2 | 305.80 | 1/2 | 402.48 | 1/2 | 499.16 | 1/2 | 595.84 | 1/2 | 692.52 | 1/2 | 789.21 | 1/2 | 885.89 |
| 5/8 | 21.03 | 5/8 | 114.77 | 5/8 | 211.26 | 5/8 | 307.81 | 5/8 | 404.49 | 5/8 | 501.18 | 5/8 | 597.86 | 5/8 | 694.54 | 5/8 | 791.22 | 5/8 | 887.90 |
| 3/4 | 22.54 | 3/4 | 116.78 | 3/4 | 213.27 | 3/4 | 309.83 | 3/4 | 406.51 | 3/4 | 503.19 | 3/4 | 599.87 | 3/4 | 696.55 | 3/4 | 793.23 | 3/4 | 889.92 |
| 7/8 | 24.05 | 7/8 | 118.80 | 7/8 | 215.28 | 7/8 | 311.84 | 7/8 | 408.52 | 7/8 | 505.20 | 7/8 | 601.89 | 7/8 | 698.57 | 7/8 | 795.25 | 7/8 | 891.93 |
| 1 | 25.56 | 7 | 120.81 | 1 | 217.29 | 7 | 313.86 | 1 | 410.54 | 7 | 507.22 | 1 | 603.90 | 7 | 700.58 | 1 | 797.26 | 7 | 893.94 |
| 1/8 | 27.43 | 1/8 | 122.82 | 1/8 | 219.30 | 1/8 | 315.87 | 1/8 | 412.55 | 1/8 | 509.23 | 1/8 | 605.91 | 1/8 | 702.60 | 1/8 | 799.28 | 1/8 | 895.96 |
| 1/4 | 29.31 | 1/4 | 124.83 | 1/4 | 221.31 | 1/4 | 317.88 | 1/4 | 414.57 | 1/4 | 511.25 | 1/4 | 607.93 | 1/4 | 704.61 | 1/4 | 801.29 | 1/4 | 897.97 |
| 3/8 | 31.18 | 3/8 | 126.85 | 3/8 | 223.32 | 3/8 | 319.90 | 3/8 | 416.58 | 3/8 | 513.26 | 3/8 | 609.94 | 3/8 | 706.62 | 3/8 | 803.31 | 3/8 | 899.99 |
| 1/2 | 33.06 | 1/2 | 128.86 | 1/2 | 225.33 | 1/2 | 321.91 | 1/2 | 418.59 | 1/2 | 515.28 | 1/2 | 611.96 | 1/2 | 708.64 | 1/2 | 805.32 | 1/2 | 902.00 |
| 5/8 | 34.93 | 5/8 | 130.87 | 5/8 | 227.34 | 5/8 | 323.93 | 5/8 | 420.61 | 5/8 | 517.29 | 5/8 | 613.97 | 5/8 | 710.65 | 5/8 | 807.33 | 5/8 | 904.02 |
| 3/4 | 36.81 | 3/4 | 132.89 | 3/4 | 229.35 | 3/4 | 325.94 | 3/4 | 422.62 | 3/4 | 519.30 | 3/4 | 615.99 | 3/4 | 712.67 | 3/4 | 809.35 | 3/4 | 906.03 |
| 7/8 | 38.68 | 7/8 | 134.90 | 7/8 | 231.36 | 7/8 | 327.95 | 7/8 | 424.64 | 7/8 | 521.32 | 7/8 | 618.00 | 7/8 | 714.68 | 7/8 | 811.36 | 7/8 | 908.04 |
| 2 | 40.56 | 8 | 136.91 | 2 | 233.37 | 8 | 329.97 | 2 | 426.65 | 8 | 523.33 | 2 | 620.01 | 8 | 716.70 | 2 | 813.38 | 8 | 910.06 |
| 1/8 | 42.55 | 1/8 | 138.92 | 1/8 | 235.38 | 1/8 | 331.98 | 1/8 | 428.66 | 1/8 | 525.35 | 1/8 | 622.03 | 1/8 | 718.71 | 1/8 | 815.39 | 1/8 | 912.07 |
| 1/4 | 44.55 | 1/4 | 140.93 | 1/4 | 237.39 | 1/4 | 334.00 | 1/4 | 430.68 | 1/4 | 527.36 | 1/4 | 624.04 | 1/4 | 720.72 | 1/4 | 817.41 | 1/4 | 914.09 |
| 3/8 | 46.54 | 3/8 | 142.94 | 3/8 | 239.40 | 3/8 | 336.01 | 3/8 | 432.69 | 3/8 | 529.37 | 3/8 | 626.06 | 3/8 | 722.74 | 3/8 | 819.42 | 3/8 | 916.10 |
| 1/2 | 48.54 | 1/2 | 144.95 | 1/2 | 241.40 | 1/2 | 338.03 | 1/2 | 434.71 | 1/2 | 531.39 | 1/2 | 628.07 | 1/2 | 724.75 | 1/2 | 821.43 | 1/2 | 918.12 |
| 5/8 | 50.53 | 5/8 | 146.96 | 5/8 | 243.41 | 5/8 | 340.04 | 5/8 | 436.72 | 5/8 | 533.40 | 5/8 | 630.08 | 5/8 | 726.77 | 5/8 | 823.45 | 5/8 | 920.13 |
| 3/4 | 52.53 | 3/4 | 148.97 | 3/4 | 245.42 | 3/4 | 342.05 | 3/4 | 438.74 | 3/4 | 535.42 | 3/4 | 632.10 | 3/4 | 728.78 | 3/4 | 825.46 | 3/4 | 922.14 |
| 7/8 | 54.52 | 7/8 | 150.98 | 7/8 | 247.43 | 7/8 | 344.07 | 7/8 | 440.75 | 7/8 | 537.43 | 7/8 | 634.11 | 7/8 | 730.79 | 7/8 | 827.48 | 7/8 | 924.16 |
| 3 | 56.52 | 9 | 153.00 | 3 | 249.44 | 9 | 346.08 | 3 | 442.76 | 9 | 539.45 | 3 | 636.13 | 9 | 732.81 | 3 | 829.49 | 9 | 926.17 |
| 1/8 | 58.52 | 1/8 | 155.00 | 1/8 | 251.45 | 1/8 | 348.10 | 1/8 | 444.78 | 1/8 | 541.46 | 1/8 | 638.14 | 1/8 | 734.82 | 1/8 | 831.50 | 1/8 | 928.19 |
| 1/4 | 60.52 | 1/4 | 157.01 | 1/4 | 253.46 | 1/4 | 350.11 | 1/4 | 446.79 | 1/4 | 543.47 | 1/4 | 640.16 | 1/4 | 736.84 | 1/4 | 833.52 | 1/4 | 930.20 |
| 3/8 | 62.53 | 3/8 | 159.02 | 3/8 | 255.47 | 3/8 | 352.12 | 3/8 | 448.81 | 3/8 | 545.49 | 3/8 | 642.17 | 3/8 | 738.85 | 3/8 | 835.53 | 3/8 | 932.21 |
| 1/2 | 64.53 | 1/2 | 161.03 | 1/2 | 257.48 | 1/2 | 354.14 | 1/2 | 450.82 | 1/2 | 547.50 | 1/2 | 644.18 | 1/2 | 740.87 | 1/2 | 837.55 | 1/2 | 934.23 |
| 5/8 | 66.53 | 5/8 | 163.04 | 5/8 | 259.49 | 5/8 | 356.15 | 5/8 | 452.83 | 5/8 | 549.52 | 5/8 | 646.20 | 5/8 | 742.88 | 5/8 | 839.56 | 5/8 | 936.24 |
| 3/4 | 68.54 | 3/4 | 165.05 | 3/4 | 261.50 | 3/4 | 358.17 | 3/4 | 454.85 | 3/4 | 551.53 | 3/4 | 648.21 | 3/4 | 744.89 | 3/4 | 841.58 | 3/4 | 938.26 |
| 7/8 | 70.54 | 7/8 | 167.06 | 7/8 | 263.51 | 7/8 | 360.18 | 7/8 | 456.86 | 7/8 | 553.54 | 7/8 | 650.23 | 7/8 | 746.91 | 7/8 | 843.59 | 7/8 | 940.27 |
| 4 | 72.54 | 10 | 169.07 | 4 | 265.52 | 10 | 362.20 | 4 | 458.88 | 10 | 555.56 | 4 | 652.24 | 10 | 748.92 | 4 | 845.60 | 10 | 942.29 |
| 1/8 | 74.55 | 1/8 | 171.08 | 1/8 | 267.54 | 1/8 | 364.21 | 1/8 | 460.89 | 1/8 | 557.57 | 1/8 | 654.25 | 1/8 | 750.94 | 1/8 | 847.62 | 1/8 | 944.30 |
| 1/4 | 76.56 | 1/4 | 173.09 | 1/4 | 269.55 | 1/4 | 366.22 | 1/4 | 462.91 | 1/4 | 559.59 | 1/4 | 656.27 | 1/4 | 752.95 | 1/4 | 849.63 | 1/4 | 946.31 |
| 3/8 | 78.57 | 3/8 | 175.10 | 3/8 | 271.56 | 3/8 | 368.24 | 3/8 | 464.92 | 3/8 | 561.60 | 3/8 | 658.28 | 3/8 | 754.96 | 3/8 | 851.65 | 3/8 | 948.33 |
| 1/2 | 80.58 | 1/2 | 177.11 | 1/2 | 273.58 | 1/2 | 370.25 | 1/2 | 466.93 | 1/2 | 563.62 | 1/2 | 660.30 | 1/2 | 756.98 | 1/2 | 853.66 | 1/2 | 950.34 |
| 5/8 | 82.58 | 5/8 | 179.12 | 5/8 | 275.59 | 5/8 | 372.27 | 5/8 | 468.95 | 5/8 | 565.63 | 5/8 | 662.31 | 5/8 | 758.99 | 5/8 | 855.67 | 5/8 | 952.36 |
| 3/4 | 84.59 | 3/4 | 181.13 | 3/4 | 277.60 | 3/4 | 374.28 | 3/4 | 470.96 | 3/4 | 567.64 | 3/4 | 664.33 | 3/4 | 761.01 | 3/4 | 857.69 | 3/4 | 954.37 |
| 7/8 | 86.60 | 7/8 | 183.13 | 7/8 | 279.62 | 7/8 | 376.30 | 7/8 | 472.98 | 7/8 | 569.66 | 7/8 | 666.34 | 7/8 | 763.02 | 7/8 | 859.70 | 7/8 | 956.38 |
| 5 | 88.61 | 11 | 185.14 | 5 | 281.63 | 11 | 378.31 | 5 | 474.99 | 11 | 571.67 | 5 | 668.35 | 11 | 765.04 | 5 | 861.72 | 11 | 958.40 |
| 1/8 | 90.62 | 1/8 | 187.15 | 1/8 | 283.64 | 1/8 | 380.32 | 1/8 | 477.01 | 1/8 | 573.69 | 1/8 | 670.37 | 1/8 | 767.05 | 1/8 | 863.73 | 1/8 | 960.41 |
| 1/4 | 92.63 | 1/4 | 189.16 | 1/4 | 285.66 | 1/4 | 382.34 | 1/4 | 479.02 | 1/4 | 575.70 | 1/4 | 672.38 | 1/4 | 769.06 | 1/4 | 865.75 | 1/4 | 962.43 |
| 3/8 | 94.64 | 3/8 | 191.17 | 3/8 | 287.67 | 3/8 | 384.35 | 3/8 | 481.03 | 3/8 | 577.72 | 3/8 | 674.40 | 3/8 | 771.08 | 3/8 | 867.76 | 3/8 | 964.44 |
| 1/2 | 96.66 | 1/2 | 193.18 | 1/2 | 289.68 | 1/2 | 386.37 | 1/2 | 483.05 | 1/2 | 579.73 | 1/2 | 676.41 | 1/2 | 773.09 | 1/2 | 869.77 | 1/2 | 966.46 |
| 5/8 | 98.67 | 5/8 | 195.19 | 5/8 | 291.70 | 5/8 | 388.38 | 5/8 | 485.06 | 5/8 | 581.74 | 5/8 | 678.43 | 5/8 | 775.11 | 5/8 | 871.79 | 5/8 | 968.47 |
| 3/4 | 100.68 | 3/4 | 197.20 | 3/4 | 293.71 | 3/4 | 390.39 | 3/4 | 487.08 | 3/4 | 583.76 | 3/4 | 680.44 | 3/4 | 777.12 | 3/4 | 873.80 | 3/4 | 970.48 |
| 7/8 | 102.69 | 7/8 | 199.21 | 7/8 | 295.73 | 7/8 | 392.41 | 7/8 | 489.09 | 7/8 | 585.77 | 7/8 | 682.45 | 7/8 | 779.14 | 7/8 | 875.82 | 7/8 | 972.50 |

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE

GAUGE POINT: (MANUAL) LOCATED 11'-10" OFF CENTERLINE AND 23'-00" 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 "KIRBY 27774"

## 1 PORT

### INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

| IN | 5 FT. | IN | 5 FT. | IN | 6 FT. | IN | 6 FT. | IN | 7 FT. | IN | 7 FT. | IN | 8 FT. | IN | 8 FT. | IN | 9 FT. | IN | 9 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 974.51 | 6 | 1,071.19 | 0 | 1,167.88 | 6 | 1,264.56 | 0 | 1,361.24 | 6 | 1,457.92 | 0 | 1,554.58 | 6 | 1,651.23 | 0 | 1,747.89 | 6 | 1,844.55 |
| 1/8 | 976.53 | 1/8 | 1,073.21 | 1/8 | 1,169.89 | 1/8 | 1,266.57 | 1/8 | 1,363.25 | 1/8 | 1,459.93 | 1/8 | 1,556.59 | 1/8 | 1,653.25 | 1/8 | 1,749.90 | 1/8 | 1,846.56 |
| 1/4 | 978.54 | 1/4 | 1,075.22 | 1/4 | 1,171.90 | 1/4 | 1,268.59 | 1/4 | 1,365.27 | 1/4 | 1,461.94 | 1/4 | 1,558.60 | 1/4 | 1,655.26 | 1/4 | 1,751.92 | 1/4 | 1,848.58 |
| 3/8 | 980.56 | 3/8 | 1,077.24 | 3/8 | 1,173.92 | 3/8 | 1,270.60 | 3/8 | 1,367.28 | 3/8 | 1,463.96 | 3/8 | 1,560.62 | 3/8 | 1,657.27 | 3/8 | 1,753.93 | 3/8 | 1,850.59 |
| 1/2 | 982.57 | 1/2 | 1,079.25 | 1/2 | 1,175.93 | 1/2 | 1,272.61 | 1/2 | 1,369.30 | 1/2 | 1,465.97 | 1/2 | 1,562.63 | 1/2 | 1,659.29 | 1/2 | 1,755.95 | 1/2 | 1,852.60 |
| 5/8 | 984.58 | 5/8 | 1,081.27 | 5/8 | 1,177.95 | 5/8 | 1,274.63 | 5/8 | 1,371.31 | 5/8 | 1,467.99 | 5/8 | 1,564.64 | 5/8 | 1,661.30 | 5/8 | 1,757.96 | 5/8 | 1,854.62 |
| 3/4 | 986.60 | 3/4 | 1,083.28 | 3/4 | 1,179.96 | 3/4 | 1,276.64 | 3/4 | 1,373.32 | 3/4 | 1,470.00 | 3/4 | 1,566.66 | 3/4 | 1,663.31 | 3/4 | 1,759.97 | 3/4 | 1,856.63 |
| 7/8 | 988.61 | 7/8 | 1,085.29 | 7/8 | 1,181.98 | 7/8 | 1,278.66 | 7/8 | 1,375.34 | 7/8 | 1,472.01 | 7/8 | 1,568.67 | 7/8 | 1,665.33 | 7/8 | 1,761.99 | 7/8 | 1,858.64 |
| 1 | 990.63 | 7 | 1,087.31 | 1 | 1,183.99 | 7 | 1,280.67 | 1 | 1,377.35 | 7 | 1,474.03 | 1 | 1,570.68 | 7 | 1,667.34 | 1 | 1,764.00 | 7 | 1,860.66 |
| 1/8 | 992.64 | 1/8 | 1,089.32 | 1/8 | 1,186.00 | 1/8 | 1,282.69 | 1/8 | 1,379.37 | 1/8 | 1,476.04 | 1/8 | 1,572.70 | 1/8 | 1,669.36 | 1/8 | 1,766.01 | 1/8 | 1,862.67 |
| 1/4 | 994.65 | 1/4 | 1,091.34 | 1/4 | 1,188.02 | 1/4 | 1,284.70 | 1/4 | 1,381.38 | 1/4 | 1,478.05 | 1/4 | 1,574.71 | 1/4 | 1,671.37 | 1/4 | 1,768.03 | 1/4 | 1,864.68 |
| 3/8 | 996.67 | 3/8 | 1,093.35 | 3/8 | 1,190.03 | 3/8 | 1,286.71 | 3/8 | 1,383.40 | 3/8 | 1,480.07 | 3/8 | 1,576.73 | 3/8 | 1,673.38 | 3/8 | 1,770.04 | 3/8 | 1,866.70 |
| 1/2 | 998.68 | 1/2 | 1,095.36 | 1/2 | 1,192.05 | 1/2 | 1,288.73 | 1/2 | 1,385.41 | 1/2 | 1,482.08 | 1/2 | 1,578.74 | 1/2 | 1,675.40 | 1/2 | 1,772.05 | 1/2 | 1,868.71 |
| 5/8 | 1,000.70 | 5/8 | 1,097.38 | 5/8 | 1,194.06 | 5/8 | 1,290.74 | 5/8 | 1,387.42 | 5/8 | 1,484.10 | 5/8 | 1,580.75 | 5/8 | 1,677.41 | 5/8 | 1,774.07 | 5/8 | 1,870.73 |
| 3/4 | 1,002.71 | 3/4 | 1,099.39 | 3/4 | 1,196.07 | 3/4 | 1,292.76 | 3/4 | 1,389.44 | 3/4 | 1,486.11 | 3/4 | 1,582.77 | 3/4 | 1,679.42 | 3/4 | 1,776.08 | 3/4 | 1,872.74 |
| 7/8 | 1,004.73 | 7/8 | 1,101.41 | 7/8 | 1,198.09 | 7/8 | 1,294.77 | 7/8 | 1,391.45 | 7/8 | 1,488.12 | 7/8 | 1,584.78 | 7/8 | 1,681.44 | 7/8 | 1,778.10 | 7/8 | 1,874.75 |
| 2 | 1,006.74 | 8 | 1,103.42 | 2 | 1,200.10 | 8 | 1,296.78 | 2 | 1,393.47 | 8 | 1,490.14 | 2 | 1,586.79 | 8 | 1,683.45 | 2 | 1,780.11 | 8 | 1,876.77 |
| 1/8 | 1,008.75 | 1/8 | 1,105.44 | 1/8 | 1,202.12 | 1/8 | 1,298.80 | 1/8 | 1,395.48 | 1/8 | 1,492.15 | 1/8 | 1,588.81 | 1/8 | 1,685.47 | 1/8 | 1,782.12 | 1/8 | 1,878.78 |
| 1/4 | 1,010.77 | 1/4 | 1,107.45 | 1/4 | 1,204.13 | 1/4 | 1,300.81 | 1/4 | 1,397.49 | 1/4 | 1,494.16 | 1/4 | 1,590.82 | 1/4 | 1,687.48 | 1/4 | 1,784.14 | 1/4 | 1,880.79 |
| 3/8 | 1,012.78 | 3/8 | 1,109.46 | 3/8 | 1,206.15 | 3/8 | 1,302.83 | 3/8 | 1,399.51 | 3/8 | 1,496.18 | 3/8 | 1,592.84 | 3/8 | 1,689.49 | 3/8 | 1,786.15 | 3/8 | 1,882.81 |
| 1/2 | 1,014.80 | 1/2 | 1,111.48 | 1/2 | 1,208.16 | 1/2 | 1,304.84 | 1/2 | 1,401.52 | 1/2 | 1,498.19 | 1/2 | 1,594.85 | 1/2 | 1,691.51 | 1/2 | 1,788.16 | 1/2 | 1,884.82 |
| 5/8 | 1,016.81 | 5/8 | 1,113.49 | 5/8 | 1,210.17 | 5/8 | 1,306.86 | 5/8 | 1,403.54 | 5/8 | 1,500.21 | 5/8 | 1,596.86 | 5/8 | 1,693.52 | 5/8 | 1,790.18 | 5/8 | 1,886.84 |
| 3/4 | 1,018.83 | 3/4 | 1,115.51 | 3/4 | 1,212.19 | 3/4 | 1,308.87 | 3/4 | 1,405.55 | 3/4 | 1,502.22 | 3/4 | 1,598.88 | 3/4 | 1,695.53 | 3/4 | 1,792.19 | 3/4 | 1,888.85 |
| 7/8 | 1,020.84 | 7/8 | 1,117.52 | 7/8 | 1,214.20 | 7/8 | 1,310.88 | 7/8 | 1,407.57 | 7/8 | 1,504.23 | 7/8 | 1,600.89 | 7/8 | 1,697.55 | 7/8 | 1,794.21 | 7/8 | 1,890.86 |
| 3 | 1,022.85 | 9 | 1,119.54 | 3 | 1,216.22 | 9 | 1,312.90 | 3 | 1,409.58 | 9 | 1,506.25 | 3 | 1,602.90 | 9 | 1,699.56 | 3 | 1,796.22 | 9 | 1,892.88 |
| 1/8 | 1,024.87 | 1/8 | 1,121.55 | 1/8 | 1,218.23 | 1/8 | 1,314.91 | 1/8 | 1,411.59 | 1/8 | 1,508.26 | 1/8 | 1,604.92 | 1/8 | 1,701.58 | 1/8 | 1,798.23 | 1/8 | 1,894.89 |
| 1/4 | 1,026.88 | 1/4 | 1,123.56 | 1/4 | 1,220.25 | 1/4 | 1,316.93 | 1/4 | 1,413.61 | 1/4 | 1,510.27 | 1/4 | 1,606.93 | 1/4 | 1,703.59 | 1/4 | 1,800.25 | 1/4 | 1,896.90 |
| 3/8 | 1,028.90 | 3/8 | 1,125.58 | 3/8 | 1,222.26 | 3/8 | 1,318.94 | 3/8 | 1,415.62 | 3/8 | 1,512.29 | 3/8 | 1,608.95 | 3/8 | 1,705.60 | 3/8 | 1,802.26 | 3/8 | 1,898.92 |
| 1/2 | 1,030.91 | 1/2 | 1,127.59 | 1/2 | 1,224.27 | 1/2 | 1,320.96 | 1/2 | 1,417.64 | 1/2 | 1,514.30 | 1/2 | 1,610.96 | 1/2 | 1,707.62 | 1/2 | 1,804.27 | 1/2 | 1,900.93 |
| 5/8 | 1,032.92 | 5/8 | 1,129.61 | 5/8 | 1,226.29 | 5/8 | 1,322.97 | 5/8 | 1,419.65 | 5/8 | 1,516.31 | 5/8 | 1,612.97 | 5/8 | 1,709.63 | 5/8 | 1,806.29 | 5/8 | 1,902.95 |
| 3/4 | 1,034.94 | 3/4 | 1,131.62 | 3/4 | 1,228.30 | 3/4 | 1,324.98 | 3/4 | 1,421.67 | 3/4 | 1,518.33 | 3/4 | 1,614.99 | 3/4 | 1,711.64 | 3/4 | 1,808.30 | 3/4 | 1,904.96 |
| 7/8 | 1,036.95 | 7/8 | 1,133.63 | 7/8 | 1,230.32 | 7/8 | 1,327.00 | 7/8 | 1,423.68 | 7/8 | 1,520.34 | 7/8 | 1,617.00 | 7/8 | 1,713.66 | 7/8 | 1,810.32 | 7/8 | 1,906.97 |
| 4 | 1,038.97 | 10 | 1,135.65 | 4 | 1,232.33 | 10 | 1,329.01 | 4 | 1,425.70 | 10 | 1,522.36 | 4 | 1,619.01 | 10 | 1,715.67 | 4 | 1,812.33 | 10 | 1,908.99 |
| 1/8 | 1,040.98 | 1/8 | 1,137.66 | 1/8 | 1,234.34 | 1/8 | 1,331.03 | 1/8 | 1,427.71 | 1/8 | 1,524.37 | 1/8 | 1,621.03 | 1/8 | 1,717.68 | 1/8 | 1,814.34 | 1/8 | 1,911.00 |
| 1/4 | 1,043.00 | 1/4 | 1,139.68 | 1/4 | 1,236.36 | 1/4 | 1,333.04 | 1/4 | 1,429.73 | 1/4 | 1,526.38 | 1/4 | 1,623.04 | 1/4 | 1,719.70 | 1/4 | 1,816.36 | 1/4 | 1,913.01 |
| 3/8 | 1,045.01 | 3/8 | 1,141.69 | 3/8 | 1,238.37 | 3/8 | 1,335.05 | 3/8 | 1,431.74 | 3/8 | 1,528.40 | 3/8 | 1,625.05 | 3/8 | 1,721.71 | 3/8 | 1,818.37 | 3/8 | 1,915.03 |
| 1/2 | 1,047.02 | 1/2 | 1,143.71 | 1/2 | 1,240.39 | 1/2 | 1,337.07 | 1/2 | 1,433.75 | 1/2 | 1,530.41 | 1/2 | 1,627.07 | 1/2 | 1,723.73 | 1/2 | 1,820.38 | 1/2 | 1,917.04 |
| 5/8 | 1,049.04 | 5/8 | 1,145.72 | 5/8 | 1,242.40 | 5/8 | 1,339.08 | 5/8 | 1,435.77 | 5/8 | 1,532.42 | 5/8 | 1,629.08 | 5/8 | 1,725.74 | 5/8 | 1,822.40 | 5/8 | 1,919.05 |
| 3/4 | 1,051.05 | 3/4 | 1,147.73 | 3/4 | 1,244.42 | 3/4 | 1,341.10 | 3/4 | 1,437.78 | 3/4 | 1,534.44 | 3/4 | 1,631.10 | 3/4 | 1,727.75 | 3/4 | 1,824.41 | 3/4 | 1,921.07 |
| 7/8 | 1,053.07 | 7/8 | 1,149.75 | 7/8 | 1,246.43 | 7/8 | 1,343.11 | 7/8 | 1,439.79 | 7/8 | 1,536.45 | 7/8 | 1,633.11 | 7/8 | 1,729.77 | 7/8 | 1,826.42 | 7/8 | 1,923.08 |
| 5 | 1,055.08 | 11 | 1,151.76 | 5 | 1,248.44 | 11 | 1,345.13 | 5 | 1,441.81 | 11 | 1,538.47 | 5 | 1,635.12 | 11 | 1,731.78 | 5 | 1,828.44 | 11 | 1,925.10 |
| 1/8 | 1,057.09 | 1/8 | 1,153.78 | 1/8 | 1,250.46 | 1/8 | 1,347.14 | 1/8 | 1,443.82 | 1/8 | 1,540.48 | 1/8 | 1,637.14 | 1/8 | 1,733.79 | 1/8 | 1,830.45 | 1/8 | 1,927.11 |
| 1/4 | 1,059.11 | 1/4 | 1,155.79 | 1/4 | 1,252.47 | 1/4 | 1,349.15 | 1/4 | 1,445.84 | 1/4 | 1,542.49 | 1/4 | 1,639.15 | 1/4 | 1,735.81 | 1/4 | 1,832.47 | 1/4 | 1,929.12 |
| 3/8 | 1,061.12 | 3/8 | 1,157.80 | 3/8 | 1,254.49 | 3/8 | 1,351.17 | 3/8 | 1,447.85 | 3/8 | 1,544.51 | 3/8 | 1,641.16 | 3/8 | 1,737.82 | 3/8 | 1,834.48 | 3/8 | 1,931.14 |
| 1/2 | 1,063.14 | 1/2 | 1,159.82 | 1/2 | 1,256.50 | 1/2 | 1,353.18 | 1/2 | 1,449.86 | 1/2 | 1,546.52 | 1/2 | 1,643.18 | 1/2 | 1,739.84 | 1/2 | 1,836.49 | 1/2 | 1,933.15 |
| 5/8 | 1,065.15 | 5/8 | 1,161.83 | 5/8 | 1,258.51 | 5/8 | 1,355.20 | 5/8 | 1,451.88 | 5/8 | 1,548.53 | 5/8 | 1,645.19 | 5/8 | 1,741.85 | 5/8 | 1,838.51 | 5/8 | 1,935.16 |
| 3/4 | 1,067.17 | 3/4 | 1,163.85 | 3/4 | 1,260.53 | 3/4 | 1,357.21 | 3/4 | 1,453.89 | 3/4 | 1,550.55 | 3/4 | 1,647.21 | 3/4 | 1,743.86 | 3/4 | 1,840.52 | 3/4 | 1,937.18 |
| 7/8 | 1,069.18 | 7/8 | 1,165.86 | 7/8 | 1,262.54 | 7/8 | 1,359.22 | 7/8 | 1,455.90 | 7/8 | 1,552.56 | 7/8 | 1,649.22 | 7/8 | 1,745.88 | 7/8 | 1,842.53 | 7/8 | 1,939.19 |

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**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
P.O. Box 2092
Pearland, Texas 77588
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# BARGE "KIRBY 27774"

## 1 PORT

### INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

| IN | 10 FT. | IN | 10 FT. | IN | 11 FT. | IN | 11 FT. | IN | 12 FT. | IN | 12 FT. | IN | 13 FT. | IN | 13 FT. | IN | 14 FT. | IN | 14 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 1,941.21 | 6 | 2,037.75 | 0 | 2,133.64 | 6 | 2,229.51 | 0 | 2,325.38 | 6 | 2,420.43 | 0 | | 6 | | 0 | | 6 | |
| 1/8 | 1,943.22 | 1/8 | 2,039.75 | 1/8 | 2,135.64 | 1/8 | 2,231.51 | 1/8 | 2,327.37 | 1/8 | 2,422.22 | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 1,945.23 | 1/4 | 2,041.75 | 1/4 | 2,137.63 | 1/4 | 2,233.50 | 1/4 | 2,329.37 | 1/4 | 2,424.01 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 1,947.25 | 3/8 | 2,043.75 | 3/8 | 2,139.63 | 3/8 | 2,235.50 | 3/8 | 2,331.36 | 3/8 | 2,425.80 | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 1,949.26 | 1/2 | 2,045.75 | 1/2 | 2,141.63 | 1/2 | 2,237.50 | 1/2 | 2,333.36 | 1/2 | 2,427.59 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 1,951.27 | 5/8 | 2,047.75 | 5/8 | 2,143.62 | 5/8 | 2,239.50 | 5/8 | 2,335.35 | 5/8 | 2,429.38 | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 1,953.29 | 3/4 | 2,049.75 | 3/4 | 2,145.62 | 3/4 | 2,241.49 | 3/4 | 2,337.35 | 3/4 | 2,431.17 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 1,955.30 | 7/8 | 2,051.75 | 7/8 | 2,147.62 | 7/8 | 2,243.49 | 7/8 | 2,339.34 | 7/8 | 2,432.96 | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 1 | 1,957.32 | 7 | 2,053.75 | 1 | 2,149.62 | 7 | 2,245.49 | 1 | 2,341.34 | 7 | 2,434.75 | 1 | | 7 | | 1 | | 7 | |
| 1/8 | 1,959.33 | 1/8 | 2,055.74 | 1/8 | 2,151.61 | 1/8 | 2,247.48 | 1/8 | 2,343.32 | 1/8 | 2,436.23 | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 1,961.34 | 1/4 | 2,057.74 | 1/4 | 2,153.61 | 1/4 | 2,249.48 | 1/4 | 2,345.31 | 1/4 | 2,437.71 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 1,963.35 | 3/8 | 2,059.74 | 3/8 | 2,155.61 | 3/8 | 2,251.48 | 3/8 | 2,347.29 | 3/8 | 2,439.19 | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 1,965.37 | 1/2 | 2,061.74 | 1/2 | 2,157.61 | 1/2 | 2,253.48 | 1/2 | 2,349.28 | 1/2 | 2,440.67 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 1,967.38 | 5/8 | 2,063.73 | 5/8 | 2,159.60 | 5/8 | 2,255.47 | 5/8 | 2,351.27 | 5/8 | 2,442.15 | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 1,969.39 | 3/4 | 2,065.73 | 3/4 | 2,161.60 | 3/4 | 2,257.47 | 3/4 | 2,353.25 | 3/4 | 2,443.63 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 1,971.41 | 7/8 | 2,067.73 | 7/8 | 2,163.60 | 7/8 | 2,259.47 | 7/8 | 2,355.24 | 7/8 | 2,445.11 | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 2 | 1,973.42 | 8 | 2,069.72 | 2 | 2,165.60 | 8 | 2,261.47 | 2 | 2,357.23 | 8 | 2,446.58 | 2 | | 8 | | 2 | | 8 | |
| 1/8 | 1,975.43 | 1/8 | 2,071.72 | 1/8 | 2,167.59 | 1/8 | 2,263.46 | 1/8 | 2,359.21 | 1/8 | 2,447.73 | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 1,977.44 | 1/4 | 2,073.72 | 1/4 | 2,169.59 | 1/4 | 2,265.46 | 1/4 | 2,361.19 | 1/4 | 2,448.87 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 1,979.45 | 3/8 | 2,075.72 | 3/8 | 2,171.59 | 3/8 | 2,267.46 | 3/8 | 2,363.17 | 3/8 | 2,450.01 | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 1,981.46 | 1/2 | 2,077.71 | 1/2 | 2,173.58 | 1/2 | 2,269.45 | 1/2 | 2,365.16 | 1/2 | 2,451.16 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 1,983.47 | 5/8 | 2,079.71 | 5/8 | 2,175.58 | 5/8 | 2,271.45 | 5/8 | 2,367.14 | 5/8 | 2,452.30 | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 1,985.49 | 3/4 | 2,081.71 | 3/4 | 2,177.58 | 3/4 | 2,273.45 | 3/4 | 2,369.12 | 3/4 | 2,453.44 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 1,987.50 | 7/8 | 2,083.71 | 7/8 | 2,179.58 | 7/8 | 2,275.45 | 7/8 | 2,371.11 | 7/8 | 2,454.59 | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 3 | 1,989.51 | 9 | 2,085.70 | 3 | 2,181.57 | 9 | 2,277.44 | 3 | 2,373.09 | 9 | 2,455.73 | 3 | | 9 | | 3 | | 9 | |
| 1/8 | 1,991.52 | 1/8 | 2,087.70 | 1/8 | 2,183.57 | 1/8 | 2,279.44 | 1/8 | 2,375.07 | 1/8 | | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 1,993.53 | 1/4 | 2,089.70 | 1/4 | 2,185.57 | 1/4 | 2,281.44 | 1/4 | 2,377.05 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 1,995.54 | 3/8 | 2,091.70 | 3/8 | 2,187.57 | 3/8 | 2,283.44 | 3/8 | 2,379.03 | 3/8 | | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 1,997.55 | 1/2 | 2,093.69 | 1/2 | 2,189.56 | 1/2 | 2,285.43 | 1/2 | 2,381.02 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 1,999.57 | 5/8 | 2,095.69 | 5/8 | 2,191.56 | 5/8 | 2,287.43 | 5/8 | 2,383.00 | 5/8 | | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 2,001.58 | 3/4 | 2,097.69 | 3/4 | 2,193.56 | 3/4 | 2,289.43 | 3/4 | 2,384.98 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 2,003.59 | 7/8 | 2,099.68 | 7/8 | 2,195.55 | 7/8 | 2,291.42 | 7/8 | 2,386.96 | 7/8 | | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 4 | 2,005.60 | 10 | 2,101.68 | 4 | 2,197.55 | 10 | 2,293.42 | 4 | 2,388.95 | 10 | | 4 | | 10 | | 4 | | 10 | |
| 1/8 | 2,007.61 | 1/8 | 2,103.68 | 1/8 | 2,199.55 | 1/8 | 2,295.42 | 1/8 | 2,390.92 | 1/8 | | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 2,009.62 | 1/4 | 2,105.68 | 1/4 | 2,201.55 | 1/4 | 2,297.42 | 1/4 | 2,392.90 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 2,011.63 | 3/8 | 2,107.67 | 3/8 | 2,203.54 | 3/8 | 2,299.41 | 3/8 | 2,394.88 | 3/8 | | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 2,013.64 | 1/2 | 2,109.67 | 1/2 | 2,205.54 | 1/2 | 2,301.41 | 1/2 | 2,396.86 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 2,015.66 | 5/8 | 2,111.67 | 5/8 | 2,207.54 | 5/8 | 2,303.41 | 5/8 | 2,398.84 | 5/8 | | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 2,017.67 | 3/4 | 2,113.67 | 3/4 | 2,209.54 | 3/4 | 2,305.41 | 3/4 | 2,400.82 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 2,019.68 | 7/8 | 2,115.66 | 7/8 | 2,211.53 | 7/8 | 2,307.40 | 7/8 | 2,402.80 | 7/8 | | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 5 | 2,021.69 | 11 | 2,117.66 | 5 | 2,213.53 | 11 | 2,309.40 | 5 | 2,404.78 | 11 | | 5 | | 11 | | 5 | | 11 | |
| 1/8 | 2,023.70 | 1/8 | 2,119.66 | 1/8 | 2,215.53 | 1/8 | 2,311.40 | 1/8 | 2,406.74 | 1/8 | | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 2,025.70 | 1/4 | 2,121.65 | 1/4 | 2,217.52 | 1/4 | 2,313.40 | 1/4 | 2,408.69 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 2,027.71 | 3/8 | 2,123.65 | 3/8 | 2,219.52 | 3/8 | 2,315.39 | 3/8 | 2,410.65 | 3/8 | | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 2,029.72 | 1/2 | 2,125.65 | 1/2 | 2,221.52 | 1/2 | 2,317.39 | 1/2 | 2,412.60 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 2,031.72 | 5/8 | 2,127.65 | 5/8 | 2,223.52 | 5/8 | 2,319.39 | 5/8 | 2,414.56 | 5/8 | | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 2,033.73 | 3/4 | 2,129.64 | 3/4 | 2,225.51 | 3/4 | 2,321.38 | 3/4 | 2,416.52 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 2,035.74 | 7/8 | 2,131.64 | 7/8 | 2,227.51 | 7/8 | 2,323.38 | 7/8 | 2,418.47 | 7/8 | | 7/8 | | 7/8 | | 7/8 | | 7/8 | |

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REPRINTED: 12/09/2009 SW

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PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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# BARGE "KIRBY 27774"

## 1 STBD

### INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 5/8"

| IN | 0 FT. | IN | 0 FT. | IN | 1 FT. | IN | 1 FT. | IN | 2 FT. | IN | 2 FT. | IN | 3 FT. | IN | 3 FT. | IN | 4 FT. | IN | 4 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 13.63 | 6 | 104.79 | 0 | 201.39 | 6 | 298.00 | 0 | 394.61 | 6 | 491.22 | 0 | 587.83 | 6 | 684.44 | 0 | 781.05 | 6 | 877.66 |
| 1/8 | 15.14 | 1/8 | 106.80 | 1/8 | 203.41 | 1/8 | 300.02 | 1/8 | 396.63 | 1/8 | 493.24 | 1/8 | 589.85 | 1/8 | 686.46 | 1/8 | 783.06 | 1/8 | 879.67 |
| 1/4 | 16.65 | 1/4 | 108.82 | 1/4 | 205.42 | 1/4 | 302.03 | 1/4 | 398.64 | 1/4 | 495.25 | 1/4 | 591.86 | 1/4 | 688.47 | 1/4 | 785.08 | 1/4 | 881.69 |
| 3/8 | 18.16 | 3/8 | 110.83 | 3/8 | 207.43 | 3/8 | 304.04 | 3/8 | 400.65 | 3/8 | 497.26 | 3/8 | 593.87 | 3/8 | 690.48 | 3/8 | 787.09 | 3/8 | 883.70 |
| 1/2 | 19.67 | 1/2 | 112.84 | 1/2 | 209.45 | 1/2 | 306.06 | 1/2 | 402.66 | 1/2 | 499.27 | 1/2 | 595.88 | 1/2 | 692.49 | 1/2 | 789.10 | 1/2 | 885.71 |
| 5/8 | 21.18 | 5/8 | 114.85 | 5/8 | 211.46 | 5/8 | 308.07 | 5/8 | 404.68 | 5/8 | 501.29 | 5/8 | 597.90 | 5/8 | 694.51 | 5/8 | 791.12 | 5/8 | 887.73 |
| 3/4 | 22.69 | 3/4 | 116.86 | 3/4 | 213.47 | 3/4 | 310.08 | 3/4 | 406.69 | 3/4 | 503.30 | 3/4 | 599.91 | 3/4 | 696.52 | 3/4 | 793.13 | 3/4 | 889.74 |
| 7/8 | 24.20 | 7/8 | 118.88 | 7/8 | 215.48 | 7/8 | 312.09 | 7/8 | 408.70 | 7/8 | 505.31 | 7/8 | 601.92 | 7/8 | 698.53 | 7/8 | 795.14 | 7/8 | 891.75 |
| 1 | 25.70 | 7 | 120.89 | 1 | 217.50 | 7 | 314.11 | 1 | 410.72 | 7 | 507.33 | 1 | 603.93 | 7 | 700.54 | 1 | 797.15 | 7 | 893.76 |
| 1/8 | 27.58 | 1/8 | 122.90 | 1/8 | 219.51 | 1/8 | 316.12 | 1/8 | 412.73 | 1/8 | 509.34 | 1/8 | 605.95 | 1/8 | 702.56 | 1/8 | 799.17 | 1/8 | 895.78 |
| 1/4 | 29.45 | 1/4 | 124.91 | 1/4 | 221.52 | 1/4 | 318.13 | 1/4 | 414.74 | 1/4 | 511.35 | 1/4 | 607.96 | 1/4 | 704.57 | 1/4 | 801.18 | 1/4 | 897.79 |
| 3/8 | 31.33 | 3/8 | 126.93 | 3/8 | 223.53 | 3/8 | 320.14 | 3/8 | 416.75 | 3/8 | 513.36 | 3/8 | 609.97 | 3/8 | 706.58 | 3/8 | 803.19 | 3/8 | 899.80 |
| 1/2 | 33.20 | 1/2 | 128.94 | 1/2 | 225.55 | 1/2 | 322.16 | 1/2 | 418.77 | 1/2 | 515.38 | 1/2 | 611.99 | 1/2 | 708.60 | 1/2 | 805.20 | 1/2 | 901.81 |
| 5/8 | 35.07 | 5/8 | 130.95 | 5/8 | 227.56 | 5/8 | 324.17 | 5/8 | 420.78 | 5/8 | 517.39 | 5/8 | 614.00 | 5/8 | 710.61 | 5/8 | 807.22 | 5/8 | 903.83 |
| 3/4 | 36.95 | 3/4 | 132.96 | 3/4 | 229.57 | 3/4 | 326.18 | 3/4 | 422.79 | 3/4 | 519.40 | 3/4 | 616.01 | 3/4 | 712.62 | 3/4 | 809.23 | 3/4 | 905.84 |
| 7/8 | 38.82 | 7/8 | 134.98 | 7/8 | 231.59 | 7/8 | 328.19 | 7/8 | 424.80 | 7/8 | 521.41 | 7/8 | 618.02 | 7/8 | 714.63 | 7/8 | 811.24 | 7/8 | 907.85 |
| 2 | 40.69 | 8 | 136.99 | 2 | 233.60 | 8 | 330.21 | 2 | 426.82 | 8 | 523.43 | 2 | 620.04 | 8 | 716.65 | 2 | 813.26 | 8 | 909.87 |
| 1/8 | 42.69 | 1/8 | 139.00 | 1/8 | 235.61 | 1/8 | 332.22 | 1/8 | 428.83 | 1/8 | 525.44 | 1/8 | 622.05 | 1/8 | 718.66 | 1/8 | 815.27 | 1/8 | 911.88 |
| 1/4 | 44.68 | 1/4 | 141.01 | 1/4 | 237.62 | 1/4 | 334.23 | 1/4 | 430.84 | 1/4 | 527.45 | 1/4 | 624.06 | 1/4 | 720.67 | 1/4 | 817.28 | 1/4 | 913.89 |
| 3/8 | 46.67 | 3/8 | 143.03 | 3/8 | 239.64 | 3/8 | 336.25 | 3/8 | 432.86 | 3/8 | 529.46 | 3/8 | 626.07 | 3/8 | 722.68 | 3/8 | 819.29 | 3/8 | 915.90 |
| 1/2 | 48.67 | 1/2 | 145.04 | 1/2 | 241.65 | 1/2 | 338.26 | 1/2 | 434.87 | 1/2 | 531.48 | 1/2 | 628.09 | 1/2 | 724.70 | 1/2 | 821.31 | 1/2 | 917.92 |
| 5/8 | 50.66 | 5/8 | 147.05 | 5/8 | 243.66 | 5/8 | 340.27 | 5/8 | 436.88 | 5/8 | 533.49 | 5/8 | 630.10 | 5/8 | 726.71 | 5/8 | 823.32 | 5/8 | 919.93 |
| 3/4 | 52.65 | 3/4 | 149.07 | 3/4 | 245.67 | 3/4 | 342.28 | 3/4 | 438.89 | 3/4 | 535.50 | 3/4 | 632.11 | 3/4 | 728.72 | 3/4 | 825.33 | 3/4 | 921.94 |
| 7/8 | 54.65 | 7/8 | 151.08 | 7/8 | 247.69 | 7/8 | 344.30 | 7/8 | 440.91 | 7/8 | 537.52 | 7/8 | 634.13 | 7/8 | 730.73 | 7/8 | 827.34 | 7/8 | 923.95 |
| 3 | 56.64 | 9 | 153.09 | 3 | 249.70 | 9 | 346.31 | 3 | 442.92 | 9 | 539.53 | 3 | 636.14 | 9 | 732.75 | 3 | 829.36 | 9 | 925.97 |
| 1/8 | 58.64 | 1/8 | 155.10 | 1/8 | 251.71 | 1/8 | 348.32 | 1/8 | 444.93 | 1/8 | 541.54 | 1/8 | 638.15 | 1/8 | 734.76 | 1/8 | 831.37 | 1/8 | 927.98 |
| 1/4 | 60.64 | 1/4 | 157.12 | 1/4 | 253.72 | 1/4 | 350.33 | 1/4 | 446.94 | 1/4 | 543.55 | 1/4 | 640.16 | 1/4 | 736.77 | 1/4 | 833.38 | 1/4 | 929.99 |
| 3/8 | 62.64 | 3/8 | 159.13 | 3/8 | 255.74 | 3/8 | 352.35 | 3/8 | 448.96 | 3/8 | 545.57 | 3/8 | 642.18 | 3/8 | 738.79 | 3/8 | 835.40 | 3/8 | 932.00 |
| 1/2 | 64.65 | 1/2 | 161.14 | 1/2 | 257.75 | 1/2 | 354.36 | 1/2 | 450.97 | 1/2 | 547.58 | 1/2 | 644.19 | 1/2 | 740.80 | 1/2 | 837.41 | 1/2 | 934.02 |
| 5/8 | 66.65 | 5/8 | 163.15 | 5/8 | 259.76 | 5/8 | 356.37 | 5/8 | 452.98 | 5/8 | 549.59 | 5/8 | 646.20 | 5/8 | 742.81 | 5/8 | 839.42 | 5/8 | 936.03 |
| 3/4 | 68.65 | 3/4 | 165.17 | 3/4 | 261.78 | 3/4 | 358.39 | 3/4 | 454.99 | 3/4 | 551.60 | 3/4 | 648.21 | 3/4 | 744.82 | 3/4 | 841.43 | 3/4 | 938.04 |
| 7/8 | 70.65 | 7/8 | 167.18 | 7/8 | 263.79 | 7/8 | 360.40 | 7/8 | 457.01 | 7/8 | 553.62 | 7/8 | 650.23 | 7/8 | 746.84 | 7/8 | 843.45 | 7/8 | 940.06 |
| 4 | 72.65 | 10 | 169.19 | 4 | 265.80 | 10 | 362.41 | 4 | 459.02 | 10 | 555.63 | 4 | 652.24 | 10 | 748.85 | 4 | 845.46 | 10 | 942.07 |
| 1/8 | 74.66 | 1/8 | 171.20 | 1/8 | 267.81 | 1/8 | 364.42 | 1/8 | 461.03 | 1/8 | 557.64 | 1/8 | 654.25 | 1/8 | 750.86 | 1/8 | 847.47 | 1/8 | 944.08 |
| 1/4 | 76.67 | 1/4 | 173.22 | 1/4 | 269.83 | 1/4 | 366.44 | 1/4 | 463.05 | 1/4 | 559.66 | 1/4 | 656.26 | 1/4 | 752.87 | 1/4 | 849.48 | 1/4 | 946.09 |
| 3/8 | 78.67 | 3/8 | 175.23 | 3/8 | 271.84 | 3/8 | 368.45 | 3/8 | 465.06 | 3/8 | 561.67 | 3/8 | 658.28 | 3/8 | 754.89 | 3/8 | 851.50 | 3/8 | 948.11 |
| 1/2 | 80.68 | 1/2 | 177.24 | 1/2 | 273.85 | 1/2 | 370.46 | 1/2 | 467.07 | 1/2 | 563.68 | 1/2 | 660.29 | 1/2 | 756.90 | 1/2 | 853.51 | 1/2 | 950.12 |
| 5/8 | 82.69 | 5/8 | 179.26 | 5/8 | 275.86 | 5/8 | 372.47 | 5/8 | 469.08 | 5/8 | 565.69 | 5/8 | 662.30 | 5/8 | 758.91 | 5/8 | 855.52 | 5/8 | 952.13 |
| 3/4 | 84.70 | 3/4 | 181.27 | 3/4 | 277.88 | 3/4 | 374.49 | 3/4 | 471.10 | 3/4 | 567.71 | 3/4 | 664.32 | 3/4 | 760.93 | 3/4 | 857.53 | 3/4 | 954.14 |
| 7/8 | 86.70 | 7/8 | 183.28 | 7/8 | 279.89 | 7/8 | 376.50 | 7/8 | 473.11 | 7/8 | 569.72 | 7/8 | 666.33 | 7/8 | 762.94 | 7/8 | 859.55 | 7/8 | 956.16 |
| 5 | 88.71 | 11 | 185.29 | 5 | 281.90 | 11 | 378.51 | 5 | 475.12 | 11 | 571.73 | 5 | 668.34 | 11 | 764.95 | 5 | 861.56 | 11 | 958.17 |
| 1/8 | 90.72 | 1/8 | 187.31 | 1/8 | 283.92 | 1/8 | 380.52 | 1/8 | 477.13 | 1/8 | 573.74 | 1/8 | 670.35 | 1/8 | 766.96 | 1/8 | 863.57 | 1/8 | 960.18 |
| 1/4 | 92.73 | 1/4 | 189.32 | 1/4 | 285.93 | 1/4 | 382.54 | 1/4 | 479.15 | 1/4 | 575.76 | 1/4 | 672.37 | 1/4 | 768.98 | 1/4 | 865.59 | 1/4 | 962.20 |
| 3/8 | 94.74 | 3/8 | 191.33 | 3/8 | 287.94 | 3/8 | 384.55 | 3/8 | 481.16 | 3/8 | 577.77 | 3/8 | 674.38 | 3/8 | 770.99 | 3/8 | 867.60 | 3/8 | 964.21 |
| 1/2 | 96.75 | 1/2 | 193.34 | 1/2 | 289.95 | 1/2 | 386.56 | 1/2 | 483.17 | 1/2 | 579.78 | 1/2 | 676.39 | 1/2 | 773.00 | 1/2 | 869.61 | 1/2 | 966.22 |
| 5/8 | 98.76 | 5/8 | 195.36 | 5/8 | 291.97 | 5/8 | 388.58 | 5/8 | 485.19 | 5/8 | 581.79 | 5/8 | 678.40 | 5/8 | 775.01 | 5/8 | 871.62 | 5/8 | 968.23 |
| 3/4 | 100.77 | 3/4 | 197.37 | 3/4 | 293.98 | 3/4 | 390.59 | 3/4 | 487.20 | 3/4 | 583.81 | 3/4 | 680.42 | 3/4 | 777.03 | 3/4 | 873.64 | 3/4 | 970.25 |
| 7/8 | 102.78 | 7/8 | 199.38 | 7/8 | 295.99 | 7/8 | 392.60 | 7/8 | 489.21 | 7/8 | 585.82 | 7/8 | 682.43 | 7/8 | 779.04 | 7/8 | 875.65 | 7/8 | 972.26 |

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE

GAUGE POINT: (MANUAL) LOCATED 11'-10" OFF CENTERLINE AND 23'-00" 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 "KIRBY 27774"

## 1 STBD

### INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 5/8"

| IN | 5 FT. | IN | 5 FT. | IN | 6 FT. | IN | 6 FT. | IN | 7 FT. | IN | 7 FT. | IN | 8 FT. | IN | 8 FT. | IN | 9 FT. | IN | 9 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 974.27 | 6 | 1,070.85 | 0 | 1,167.45 | 6 | 1,264.06 | 0 | 1,360.66 | 6 | 1,457.27 | 0 | 1,553.85 | 6 | 1,650.43 | 0 | 1,747.01 | 6 | 1,843.59 |
| 1/8 | 976.28 | 1/8 | 1,072.86 | 1/8 | 1,169.47 | 1/8 | 1,266.07 | 1/8 | 1,362.68 | 1/8 | 1,459.28 | 1/8 | 1,555.86 | 1/8 | 1,652.44 | 1/8 | 1,749.03 | 1/8 | 1,845.61 |
| 1/4 | 978.29 | 1/4 | 1,074.87 | 1/4 | 1,171.48 | 1/4 | 1,268.08 | 1/4 | 1,364.69 | 1/4 | 1,461.29 | 1/4 | 1,557.88 | 1/4 | 1,654.46 | 1/4 | 1,751.04 | 1/4 | 1,847.62 |
| 3/8 | 980.30 | 3/8 | 1,076.89 | 3/8 | 1,173.49 | 3/8 | 1,270.10 | 3/8 | 1,366.70 | 3/8 | 1,463.31 | 3/8 | 1,559.89 | 3/8 | 1,656.47 | 3/8 | 1,753.05 | 3/8 | 1,849.63 |
| 1/2 | 982.31 | 1/2 | 1,078.90 | 1/2 | 1,175.50 | 1/2 | 1,272.11 | 1/2 | 1,368.71 | 1/2 | 1,465.32 | 1/2 | 1,561.90 | 1/2 | 1,658.48 | 1/2 | 1,755.06 | 1/2 | 1,851.64 |
| 5/8 | 984.32 | 5/8 | 1,080.91 | 5/8 | 1,177.52 | 5/8 | 1,274.12 | 5/8 | 1,370.73 | 5/8 | 1,467.33 | 5/8 | 1,563.91 | 5/8 | 1,660.49 | 5/8 | 1,757.07 | 5/8 | 1,853.65 |
| 3/4 | 986.33 | 3/4 | 1,082.92 | 3/4 | 1,179.53 | 3/4 | 1,276.13 | 3/4 | 1,372.74 | 3/4 | 1,469.34 | 3/4 | 1,565.92 | 3/4 | 1,662.50 | 3/4 | 1,759.09 | 3/4 | 1,855.67 |
| 7/8 | 988.34 | 7/8 | 1,084.94 | 7/8 | 1,181.54 | 7/8 | 1,278.15 | 7/8 | 1,374.75 | 7/8 | 1,471.36 | 7/8 | 1,567.94 | 7/8 | 1,664.52 | 7/8 | 1,761.10 | 7/8 | 1,857.68 |
| 1 | 990.34 | 7 | 1,086.95 | 1 | 1,183.55 | 7 | 1,280.16 | 1 | 1,376.76 | 7 | 1,473.37 | 1 | 1,569.95 | 7 | 1,666.53 | 1 | 1,763.11 | 7 | 1,859.69 |
| 1/8 | 992.36 | 1/8 | 1,088.96 | 1/8 | 1,185.57 | 1/8 | 1,282.17 | 1/8 | 1,378.78 | 1/8 | 1,475.38 | 1/8 | 1,571.96 | 1/8 | 1,668.54 | 1/8 | 1,765.12 | 1/8 | 1,861.70 |
| 1/4 | 994.37 | 1/4 | 1,090.97 | 1/4 | 1,187.58 | 1/4 | 1,284.18 | 1/4 | 1,380.79 | 1/4 | 1,477.39 | 1/4 | 1,573.97 | 1/4 | 1,670.55 | 1/4 | 1,767.13 | 1/4 | 1,863.71 |
| 3/8 | 996.38 | 3/8 | 1,092.99 | 3/8 | 1,189.59 | 3/8 | 1,286.20 | 3/8 | 1,382.80 | 3/8 | 1,479.40 | 3/8 | 1,575.98 | 3/8 | 1,672.57 | 3/8 | 1,769.15 | 3/8 | 1,865.73 |
| 1/2 | 998.39 | 1/2 | 1,095.00 | 1/2 | 1,191.60 | 1/2 | 1,288.21 | 1/2 | 1,384.81 | 1/2 | 1,481.42 | 1/2 | 1,578.00 | 1/2 | 1,674.58 | 1/2 | 1,771.16 | 1/2 | 1,867.74 |
| 5/8 | 1,000.41 | 5/8 | 1,097.01 | 5/8 | 1,193.62 | 5/8 | 1,290.22 | 5/8 | 1,386.83 | 5/8 | 1,483.43 | 5/8 | 1,580.01 | 5/8 | 1,676.59 | 5/8 | 1,773.17 | 5/8 | 1,869.75 |
| 3/4 | 1,002.42 | 3/4 | 1,099.02 | 3/4 | 1,195.63 | 3/4 | 1,292.23 | 3/4 | 1,388.84 | 3/4 | 1,485.44 | 3/4 | 1,582.02 | 3/4 | 1,678.60 | 3/4 | 1,775.18 | 3/4 | 1,871.76 |
| 7/8 | 1,004.43 | 7/8 | 1,101.04 | 7/8 | 1,197.64 | 7/8 | 1,294.25 | 7/8 | 1,390.85 | 7/8 | 1,487.45 | 7/8 | 1,584.03 | 7/8 | 1,680.61 | 7/8 | 1,777.19 | 7/8 | 1,873.78 |
| 2 | 1,006.45 | 8 | 1,103.05 | 2 | 1,199.65 | 8 | 1,296.26 | 2 | 1,392.86 | 8 | 1,489.46 | 2 | 1,586.05 | 8 | 1,682.63 | 2 | 1,779.21 | 8 | 1,875.79 |
| 1/8 | 1,008.46 | 1/8 | 1,105.06 | 1/8 | 1,201.67 | 1/8 | 1,298.27 | 1/8 | 1,394.88 | 1/8 | 1,491.48 | 1/8 | 1,588.06 | 1/8 | 1,684.64 | 1/8 | 1,781.22 | 1/8 | 1,877.80 |
| 1/4 | 1,010.47 | 1/4 | 1,107.08 | 1/4 | 1,203.68 | 1/4 | 1,300.28 | 1/4 | 1,396.89 | 1/4 | 1,493.49 | 1/4 | 1,590.07 | 1/4 | 1,686.65 | 1/4 | 1,783.23 | 1/4 | 1,879.81 |
| 3/8 | 1,012.48 | 3/8 | 1,109.09 | 3/8 | 1,205.69 | 3/8 | 1,302.30 | 3/8 | 1,398.90 | 3/8 | 1,495.50 | 3/8 | 1,592.08 | 3/8 | 1,688.66 | 3/8 | 1,785.24 | 3/8 | 1,881.82 |
| 1/2 | 1,014.50 | 1/2 | 1,111.10 | 1/2 | 1,207.71 | 1/2 | 1,304.31 | 1/2 | 1,400.91 | 1/2 | 1,497.51 | 1/2 | 1,594.09 | 1/2 | 1,690.67 | 1/2 | 1,787.26 | 1/2 | 1,883.84 |
| 5/8 | 1,016.51 | 5/8 | 1,113.11 | 5/8 | 1,209.72 | 5/8 | 1,306.32 | 5/8 | 1,402.93 | 5/8 | 1,499.52 | 5/8 | 1,596.11 | 5/8 | 1,692.69 | 5/8 | 1,789.27 | 5/8 | 1,885.85 |
| 3/4 | 1,018.52 | 3/4 | 1,115.13 | 3/4 | 1,211.73 | 3/4 | 1,308.34 | 3/4 | 1,404.94 | 3/4 | 1,501.54 | 3/4 | 1,598.12 | 3/4 | 1,694.70 | 3/4 | 1,791.28 | 3/4 | 1,887.86 |
| 7/8 | 1,020.53 | 7/8 | 1,117.14 | 7/8 | 1,213.74 | 7/8 | 1,310.35 | 7/8 | 1,406.95 | 7/8 | 1,503.55 | 7/8 | 1,600.13 | 7/8 | 1,696.71 | 7/8 | 1,793.29 | 7/8 | 1,889.87 |
| 3 | 1,022.55 | 9 | 1,119.15 | 3 | 1,215.76 | 9 | 1,312.36 | 3 | 1,408.97 | 9 | 1,505.56 | 3 | 1,602.14 | 9 | 1,698.72 | 3 | 1,795.30 | 9 | 1,891.88 |
| 1/8 | 1,024.56 | 1/8 | 1,121.16 | 1/8 | 1,217.77 | 1/8 | 1,314.37 | 1/8 | 1,410.98 | 1/8 | 1,507.57 | 1/8 | 1,604.15 | 1/8 | 1,700.73 | 1/8 | 1,797.32 | 1/8 | 1,893.90 |
| 1/4 | 1,026.57 | 1/4 | 1,123.18 | 1/4 | 1,219.78 | 1/4 | 1,316.39 | 1/4 | 1,412.99 | 1/4 | 1,509.59 | 1/4 | 1,606.17 | 1/4 | 1,702.75 | 1/4 | 1,799.33 | 1/4 | 1,895.91 |
| 3/8 | 1,028.58 | 3/8 | 1,125.19 | 3/8 | 1,221.79 | 3/8 | 1,318.40 | 3/8 | 1,415.01 | 3/8 | 1,511.60 | 3/8 | 1,608.18 | 3/8 | 1,704.76 | 3/8 | 1,801.34 | 3/8 | 1,897.92 |
| 1/2 | 1,030.60 | 1/2 | 1,127.20 | 1/2 | 1,223.81 | 1/2 | 1,320.41 | 1/2 | 1,417.02 | 1/2 | 1,513.61 | 1/2 | 1,610.19 | 1/2 | 1,706.77 | 1/2 | 1,803.35 | 1/2 | 1,899.93 |
| 5/8 | 1,032.61 | 5/8 | 1,129.21 | 5/8 | 1,225.82 | 5/8 | 1,322.42 | 5/8 | 1,419.04 | 5/8 | 1,515.62 | 5/8 | 1,612.20 | 5/8 | 1,708.78 | 5/8 | 1,805.36 | 5/8 | 1,901.94 |
| 3/4 | 1,034.62 | 3/4 | 1,131.23 | 3/4 | 1,227.83 | 3/4 | 1,324.44 | 3/4 | 1,421.05 | 3/4 | 1,517.63 | 3/4 | 1,614.21 | 3/4 | 1,710.80 | 3/4 | 1,807.38 | 3/4 | 1,903.96 |
| 7/8 | 1,036.63 | 7/8 | 1,133.24 | 7/8 | 1,229.84 | 7/8 | 1,326.45 | 7/8 | 1,423.06 | 7/8 | 1,519.65 | 7/8 | 1,616.23 | 7/8 | 1,712.81 | 7/8 | 1,809.39 | 7/8 | 1,905.97 |
| 4 | 1,038.65 | 10 | 1,135.25 | 4 | 1,231.86 | 10 | 1,328.46 | 4 | 1,425.08 | 10 | 1,521.66 | 4 | 1,618.24 | 10 | 1,714.82 | 4 | 1,811.40 | 10 | 1,907.98 |
| 1/8 | 1,040.66 | 1/8 | 1,137.26 | 1/8 | 1,233.87 | 1/8 | 1,330.47 | 1/8 | 1,427.09 | 1/8 | 1,523.67 | 1/8 | 1,620.25 | 1/8 | 1,716.83 | 1/8 | 1,813.41 | 1/8 | 1,909.99 |
| 1/4 | 1,042.67 | 1/4 | 1,139.28 | 1/4 | 1,235.88 | 1/4 | 1,332.49 | 1/4 | 1,429.10 | 1/4 | 1,525.68 | 1/4 | 1,622.26 | 1/4 | 1,718.84 | 1/4 | 1,815.42 | 1/4 | 1,912.01 |
| 3/8 | 1,044.68 | 3/8 | 1,141.29 | 3/8 | 1,237.89 | 3/8 | 1,334.50 | 3/8 | 1,431.11 | 3/8 | 1,527.69 | 3/8 | 1,624.27 | 3/8 | 1,720.86 | 3/8 | 1,817.44 | 3/8 | 1,914.02 |
| 1/2 | 1,046.70 | 1/2 | 1,143.30 | 1/2 | 1,239.91 | 1/2 | 1,336.51 | 1/2 | 1,433.13 | 1/2 | 1,529.71 | 1/2 | 1,626.29 | 1/2 | 1,722.87 | 1/2 | 1,819.45 | 1/2 | 1,916.03 |
| 5/8 | 1,048.71 | 5/8 | 1,145.31 | 5/8 | 1,241.92 | 5/8 | 1,338.52 | 5/8 | 1,435.14 | 5/8 | 1,531.72 | 5/8 | 1,628.30 | 5/8 | 1,724.88 | 5/8 | 1,821.46 | 5/8 | 1,918.04 |
| 3/4 | 1,050.72 | 3/4 | 1,147.33 | 3/4 | 1,243.93 | 3/4 | 1,340.54 | 3/4 | 1,437.15 | 3/4 | 1,533.73 | 3/4 | 1,630.31 | 3/4 | 1,726.89 | 3/4 | 1,823.47 | 3/4 | 1,920.05 |
| 7/8 | 1,052.73 | 7/8 | 1,149.34 | 7/8 | 1,245.94 | 7/8 | 1,342.55 | 7/8 | 1,439.16 | 7/8 | 1,535.74 | 7/8 | 1,632.32 | 7/8 | 1,728.90 | 7/8 | 1,825.48 | 7/8 | 1,922.07 |
| 5 | 1,054.75 | 11 | 1,151.35 | 5 | 1,247.96 | 11 | 1,344.56 | 5 | 1,441.17 | 11 | 1,537.75 | 5 | 1,634.34 | 11 | 1,730.92 | 5 | 1,827.50 | 11 | 1,924.08 |
| 1/8 | 1,056.76 | 1/8 | 1,153.36 | 1/8 | 1,249.97 | 1/8 | 1,346.57 | 1/8 | 1,443.19 | 1/8 | 1,539.77 | 1/8 | 1,636.35 | 1/8 | 1,732.93 | 1/8 | 1,829.51 | 1/8 | 1,926.09 |
| 1/4 | 1,058.77 | 1/4 | 1,155.38 | 1/4 | 1,251.98 | 1/4 | 1,348.59 | 1/4 | 1,445.20 | 1/4 | 1,541.78 | 1/4 | 1,638.36 | 1/4 | 1,734.94 | 1/4 | 1,831.52 | 1/4 | 1,928.10 |
| 3/8 | 1,060.79 | 3/8 | 1,157.39 | 3/8 | 1,253.99 | 3/8 | 1,350.60 | 3/8 | 1,447.21 | 3/8 | 1,543.79 | 3/8 | 1,640.37 | 3/8 | 1,736.95 | 3/8 | 1,833.53 | 3/8 | 1,930.11 |
| 1/2 | 1,062.80 | 1/2 | 1,159.40 | 1/2 | 1,256.01 | 1/2 | 1,352.61 | 1/2 | 1,449.22 | 1/2 | 1,545.80 | 1/2 | 1,642.38 | 1/2 | 1,738.96 | 1/2 | 1,835.55 | 1/2 | 1,932.13 |
| 5/8 | 1,064.81 | 5/8 | 1,161.42 | 5/8 | 1,258.02 | 5/8 | 1,354.62 | 5/8 | 1,451.23 | 5/8 | 1,547.82 | 5/8 | 1,644.40 | 5/8 | 1,740.98 | 5/8 | 1,837.56 | 5/8 | 1,934.14 |
| 3/4 | 1,066.82 | 3/4 | 1,163.43 | 3/4 | 1,260.03 | 3/4 | 1,356.64 | 3/4 | 1,453.25 | 3/4 | 1,549.83 | 3/4 | 1,646.41 | 3/4 | 1,742.99 | 3/4 | 1,839.57 | 3/4 | 1,936.15 |
| 7/8 | 1,068.84 | 7/8 | 1,165.44 | 7/8 | 1,262.05 | 7/8 | 1,358.65 | 7/8 | 1,455.26 | 7/8 | 1,551.84 | 7/8 | 1,648.42 | 7/8 | 1,745.00 | 7/8 | 1,841.58 | 7/8 | 1,938.16 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.


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

# BARGE "KIRBY 27774"

## 1 STBD

### INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 5/8"

| IN | 10 FT. | IN | 10 FT. | IN | 11 FT. | IN | 11 FT. | IN | 12 FT. | IN | 12 FT. | IN | 13 FT. | IN | 13 FT. | IN | 14 FT. | IN | 14 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 1,940.17 | 6 | 2,036.65 | 0 | 2,132.47 | 6 | 2,228.27 | 0 | 2,324.07 | 6 | 2,419.03 | 0 | | 6 | | 0 | | 6 | |
| 1/8 | 1,942.19 | 1/8 | 2,038.65 | 1/8 | 2,134.47 | 1/8 | 2,230.27 | 1/8 | 2,326.06 | 1/8 | 2,420.82 | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 1,944.20 | 1/4 | 2,040.65 | 1/4 | 2,136.46 | 1/4 | 2,232.26 | 1/4 | 2,328.05 | 1/4 | 2,422.61 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 1,946.21 | 3/8 | 2,042.65 | 3/8 | 2,138.46 | 3/8 | 2,234.26 | 3/8 | 2,330.05 | 3/8 | 2,424.40 | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 1,948.22 | 1/2 | 2,044.65 | 1/2 | 2,140.46 | 1/2 | 2,236.25 | 1/2 | 2,332.04 | 1/2 | 2,426.19 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 1,950.24 | 5/8 | 2,046.65 | 5/8 | 2,142.45 | 5/8 | 2,238.25 | 5/8 | 2,334.03 | 5/8 | 2,427.98 | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 1,952.25 | 3/4 | 2,048.64 | 3/4 | 2,144.45 | 3/4 | 2,240.25 | 3/4 | 2,336.02 | 3/4 | 2,429.77 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 1,954.26 | 7/8 | 2,050.64 | 7/8 | 2,146.44 | 7/8 | 2,242.24 | 7/8 | 2,338.01 | 7/8 | 2,431.55 | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 1 | 1,956.27 | 7 | 2,052.64 | 1 | 2,148.44 | 7 | 2,244.24 | 1 | 2,340.01 | 7 | 2,433.34 | 1 | | 7 | | 1 | | 7 | |
| 1/8 | 1,958.28 | 1/8 | 2,054.64 | 1/8 | 2,150.44 | 1/8 | 2,246.23 | 1/8 | 2,341.99 | 1/8 | 2,434.82 | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 1,960.30 | 1/4 | 2,056.63 | 1/4 | 2,152.43 | 1/4 | 2,248.23 | 1/4 | 2,343.98 | 1/4 | 2,436.30 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 1,962.31 | 3/8 | 2,058.63 | 3/8 | 2,154.43 | 3/8 | 2,250.23 | 3/8 | 2,345.96 | 3/8 | 2,437.78 | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 1,964.32 | 1/2 | 2,060.62 | 1/2 | 2,156.42 | 1/2 | 2,252.22 | 1/2 | 2,347.95 | 1/2 | 2,439.26 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 1,966.34 | 5/8 | 2,062.62 | 5/8 | 2,158.42 | 5/8 | 2,254.22 | 5/8 | 2,349.93 | 5/8 | 2,440.73 | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 1,968.35 | 3/4 | 2,064.62 | 3/4 | 2,160.41 | 3/4 | 2,256.21 | 3/4 | 2,351.91 | 3/4 | 2,442.21 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 1,970.36 | 7/8 | 2,066.61 | 7/8 | 2,162.41 | 7/8 | 2,258.21 | 7/8 | 2,353.90 | 7/8 | 2,443.69 | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 2 | 1,972.38 | 8 | 2,068.61 | 2 | 2,164.41 | 8 | 2,260.20 | 2 | 2,355.88 | 8 | 2,445.17 | 2 | | 8 | | 2 | | 8 | |
| 1/8 | 1,974.39 | 1/8 | 2,070.60 | 1/8 | 2,166.40 | 1/8 | 2,262.20 | 1/8 | 2,357.87 | 1/8 | 2,446.31 | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 1,976.39 | 1/4 | 2,072.60 | 1/4 | 2,168.40 | 1/4 | 2,264.20 | 1/4 | 2,359.85 | 1/4 | 2,447.45 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 1,978.40 | 3/8 | 2,074.59 | 3/8 | 2,170.39 | 3/8 | 2,266.19 | 3/8 | 2,361.83 | 3/8 | 2,448.59 | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 1,980.41 | 1/2 | 2,076.59 | 1/2 | 2,172.39 | 1/2 | 2,268.19 | 1/2 | 2,363.81 | 1/2 | 2,449.74 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 1,982.42 | 5/8 | 2,078.59 | 5/8 | 2,174.38 | 5/8 | 2,270.18 | 5/8 | 2,365.79 | 5/8 | 2,450.88 | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 1,984.43 | 3/4 | 2,080.58 | 3/4 | 2,176.38 | 3/4 | 2,272.18 | 3/4 | 2,367.77 | 3/4 | 2,452.02 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 1,986.44 | 7/8 | 2,082.58 | 7/8 | 2,178.38 | 7/8 | 2,274.17 | 7/8 | 2,369.75 | 7/8 | 2,453.16 | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 3 | 1,988.45 | 9 | 2,084.57 | 3 | 2,180.37 | 9 | 2,276.17 | 3 | 2,371.73 | 9 | 2,454.31 | 3 | | 9 | | 3 | | 9 | |
| 1/8 | 1,990.46 | 1/8 | 2,086.57 | 1/8 | 2,182.37 | 1/8 | 2,278.17 | 1/8 | 2,373.71 | 1/8 | | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 1,992.47 | 1/4 | 2,088.57 | 1/4 | 2,184.36 | 1/4 | 2,280.16 | 1/4 | 2,375.69 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 1,994.48 | 3/8 | 2,090.56 | 3/8 | 2,186.36 | 3/8 | 2,282.16 | 3/8 | 2,377.67 | 3/8 | | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 1,996.49 | 1/2 | 2,092.56 | 1/2 | 2,188.36 | 1/2 | 2,284.15 | 1/2 | 2,379.65 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 1,998.50 | 5/8 | 2,094.55 | 5/8 | 2,190.35 | 5/8 | 2,286.15 | 5/8 | 2,381.64 | 5/8 | | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 2,000.51 | 3/4 | 2,096.55 | 3/4 | 2,192.35 | 3/4 | 2,288.15 | 3/4 | 2,383.62 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 2,002.52 | 7/8 | 2,098.54 | 7/8 | 2,194.34 | 7/8 | 2,290.14 | 7/8 | 2,385.60 | 7/8 | | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 4 | 2,004.53 | 10 | 2,100.54 | 4 | 2,196.34 | 10 | 2,292.14 | 4 | 2,387.58 | 10 | | 4 | | 10 | | 4 | | 10 | |
| 1/8 | 2,006.54 | 1/8 | 2,102.54 | 1/8 | 2,198.33 | 1/8 | 2,294.13 | 1/8 | 2,389.55 | 1/8 | | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 2,008.55 | 1/4 | 2,104.53 | 1/4 | 2,200.33 | 1/4 | 2,296.13 | 1/4 | 2,391.53 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 2,010.56 | 3/8 | 2,106.53 | 3/8 | 2,202.33 | 3/8 | 2,298.12 | 3/8 | 2,393.51 | 3/8 | | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 2,012.57 | 1/2 | 2,108.52 | 1/2 | 2,204.32 | 1/2 | 2,300.12 | 1/2 | 2,395.49 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 2,014.58 | 5/8 | 2,110.52 | 5/8 | 2,206.32 | 5/8 | 2,302.12 | 5/8 | 2,397.46 | 5/8 | | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 2,016.59 | 3/4 | 2,112.52 | 3/4 | 2,208.31 | 3/4 | 2,304.11 | 3/4 | 2,399.44 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 2,018.60 | 7/8 | 2,114.51 | 7/8 | 2,210.31 | 7/8 | 2,306.11 | 7/8 | 2,401.42 | 7/8 | | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 5 | 2,020.61 | 11 | 2,116.51 | 5 | 2,212.31 | 11 | 2,308.10 | 5 | 2,403.40 | 11 | | 5 | | 11 | | 5 | | 11 | |
| 1/8 | 2,022.61 | 1/8 | 2,118.50 | 1/8 | 2,214.30 | 1/8 | 2,310.10 | 1/8 | 2,405.35 | 1/8 | | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 2,024.62 | 1/4 | 2,120.50 | 1/4 | 2,216.30 | 1/4 | 2,312.10 | 1/4 | 2,407.31 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 2,026.63 | 3/8 | 2,122.49 | 3/8 | 2,218.29 | 3/8 | 2,314.09 | 3/8 | 2,409.26 | 3/8 | | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 2,028.63 | 1/2 | 2,124.49 | 1/2 | 2,220.29 | 1/2 | 2,316.09 | 1/2 | 2,411.21 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 2,030.64 | 5/8 | 2,126.49 | 5/8 | 2,222.28 | 5/8 | 2,318.08 | 5/8 | 2,413.17 | 5/8 | | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 2,032.64 | 3/4 | 2,128.48 | 3/4 | 2,224.28 | 3/4 | 2,320.08 | 3/4 | 2,415.12 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 2,034.65 | 7/8 | 2,130.48 | 7/8 | 2,226.28 | 7/8 | 2,322.07 | 7/8 | 2,417.08 | 7/8 | | 7/8 | | 7/8 | | 7/8 | | 7/8 | |

STRAPPED: 09/17/2009 CL - SW
RECALCULATED: 12/04/2009 CL
REPRINTED: 12/09/2009 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2009

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

# BARGE "KIRBY 27774"

## 2 PORT

### INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09 3/4"

| IN | 0 FT. | IN | 0 FT. | IN | 1 FT. | IN | 1 FT. | IN | 2 FT. | IN | 2 FT. | IN | 3 FT. | IN | 3 FT. | IN | 4 FT. | IN | 4 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 13.48 | 6 | 104.04 | 0 | 196.46 | 6 | 289.73 | 0 | 386.43 | 6 | 483.14 | 0 | 579.84 | 6 | 676.55 | 0 | 773.26 | 6 | 869.96 |
| 1/8 | 14.99 | 1/8 | 105.97 | 1/8 | 198.38 | 1/8 | 291.74 | 1/8 | 388.45 | 1/8 | 485.15 | 1/8 | 581.86 | 1/8 | 678.56 | 1/8 | 775.27 | 1/8 | 871.98 |
| 1/4 | 16.50 | 1/4 | 107.89 | 1/4 | 200.30 | 1/4 | 293.76 | 1/4 | 390.46 | 1/4 | 487.17 | 1/4 | 583.87 | 1/4 | 680.58 | 1/4 | 777.29 | 1/4 | 873.99 |
| 3/8 | 18.02 | 3/8 | 109.82 | 3/8 | 202.23 | 3/8 | 295.77 | 3/8 | 392.48 | 3/8 | 489.18 | 3/8 | 585.89 | 3/8 | 682.59 | 3/8 | 779.30 | 3/8 | 876.01 |
| 1/2 | 19.53 | 1/2 | 111.75 | 1/2 | 204.15 | 1/2 | 297.79 | 1/2 | 394.49 | 1/2 | 491.20 | 1/2 | 587.90 | 1/2 | 684.61 | 1/2 | 781.31 | 1/2 | 878.02 |
| 5/8 | 21.04 | 5/8 | 113.68 | 5/8 | 206.08 | 5/8 | 299.80 | 5/8 | 396.51 | 5/8 | 493.21 | 5/8 | 589.92 | 5/8 | 686.62 | 5/8 | 783.33 | 5/8 | 880.03 |
| 3/4 | 22.55 | 3/4 | 115.61 | 3/4 | 208.00 | 3/4 | 301.82 | 3/4 | 398.52 | 3/4 | 495.23 | 3/4 | 591.93 | 3/4 | 688.64 | 3/4 | 785.34 | 3/4 | 882.05 |
| 7/8 | 24.06 | 7/8 | 117.53 | 7/8 | 209.92 | 7/8 | 303.83 | 7/8 | 400.54 | 7/8 | 497.24 | 7/8 | 593.95 | 7/8 | 690.65 | 7/8 | 787.36 | 7/8 | 884.06 |
| 1 | 25.57 | 7 | 119.46 | 1 | 211.85 | 7 | 305.85 | 1 | 402.55 | 7 | 499.26 | 1 | 595.96 | 7 | 692.67 | 1 | 789.37 | 7 | 886.08 |
| 1/8 | 27.44 | 1/8 | 121.39 | 1/8 | 213.77 | 1/8 | 307.86 | 1/8 | 404.57 | 1/8 | 501.27 | 1/8 | 597.98 | 1/8 | 694.68 | 1/8 | 791.39 | 1/8 | 888.09 |
| 1/4 | 29.32 | 1/4 | 123.32 | 1/4 | 215.70 | 1/4 | 309.87 | 1/4 | 406.58 | 1/4 | 503.29 | 1/4 | 599.99 | 1/4 | 696.70 | 1/4 | 793.40 | 1/4 | 890.11 |
| 3/8 | 31.19 | 3/8 | 125.25 | 3/8 | 217.62 | 3/8 | 311.89 | 3/8 | 408.60 | 3/8 | 505.30 | 3/8 | 602.01 | 3/8 | 698.71 | 3/8 | 795.42 | 3/8 | 892.12 |
| 1/2 | 33.07 | 1/2 | 127.17 | 1/2 | 219.54 | 1/2 | 313.90 | 1/2 | 410.61 | 1/2 | 507.32 | 1/2 | 604.02 | 1/2 | 700.73 | 1/2 | 797.43 | 1/2 | 894.14 |
| 5/8 | 34.94 | 5/8 | 129.10 | 5/8 | 221.47 | 5/8 | 315.92 | 5/8 | 412.62 | 5/8 | 509.33 | 5/8 | 606.04 | 5/8 | 702.74 | 5/8 | 799.45 | 5/8 | 896.15 |
| 3/4 | 36.82 | 3/4 | 131.03 | 3/4 | 223.39 | 3/4 | 317.93 | 3/4 | 414.64 | 3/4 | 511.34 | 3/4 | 608.05 | 3/4 | 704.76 | 3/4 | 801.46 | 3/4 | 898.17 |
| 7/8 | 38.69 | 7/8 | 132.95 | 7/8 | 225.32 | 7/8 | 319.95 | 7/8 | 416.65 | 7/8 | 513.36 | 7/8 | 610.06 | 7/8 | 706.77 | 7/8 | 803.48 | 7/8 | 900.18 |
| 2 | 40.57 | 8 | 134.88 | 2 | 227.24 | 8 | 321.96 | 2 | 418.67 | 8 | 515.37 | 2 | 612.08 | 8 | 708.79 | 2 | 805.49 | 8 | 902.20 |
| 1/8 | 42.56 | 1/8 | 136.81 | 1/8 | 229.17 | 1/8 | 323.98 | 1/8 | 420.68 | 1/8 | 517.39 | 1/8 | 614.09 | 1/8 | 710.80 | 1/8 | 807.51 | 1/8 | 904.21 |
| 1/4 | 44.56 | 1/4 | 138.73 | 1/4 | 231.09 | 1/4 | 325.99 | 1/4 | 422.70 | 1/4 | 519.40 | 1/4 | 616.11 | 1/4 | 712.81 | 1/4 | 809.52 | 1/4 | 906.23 |
| 3/8 | 46.55 | 3/8 | 140.66 | 3/8 | 233.02 | 3/8 | 328.01 | 3/8 | 424.71 | 3/8 | 521.42 | 3/8 | 618.12 | 3/8 | 714.83 | 3/8 | 811.53 | 3/8 | 908.24 |
| 1/2 | 48.55 | 1/2 | 142.58 | 1/2 | 234.94 | 1/2 | 330.02 | 1/2 | 426.73 | 1/2 | 523.43 | 1/2 | 620.14 | 1/2 | 716.84 | 1/2 | 813.55 | 1/2 | 910.26 |
| 5/8 | 50.54 | 5/8 | 144.51 | 5/8 | 236.87 | 5/8 | 332.04 | 5/8 | 428.74 | 5/8 | 525.45 | 5/8 | 622.15 | 5/8 | 718.86 | 5/8 | 815.56 | 5/8 | 912.27 |
| 3/4 | 52.54 | 3/4 | 146.43 | 3/4 | 238.80 | 3/4 | 334.05 | 3/4 | 430.76 | 3/4 | 527.46 | 3/4 | 624.17 | 3/4 | 720.87 | 3/4 | 817.58 | 3/4 | 914.28 |
| 7/8 | 54.53 | 7/8 | 148.36 | 7/8 | 240.72 | 7/8 | 336.07 | 7/8 | 432.77 | 7/8 | 529.48 | 7/8 | 626.18 | 7/8 | 722.89 | 7/8 | 819.59 | 7/8 | 916.30 |
| 3 | 56.53 | 9 | 150.28 | 3 | 242.65 | 9 | 338.08 | 3 | 434.79 | 9 | 531.49 | 3 | 628.20 | 9 | 724.90 | 3 | 821.61 | 9 | 918.31 |
| 1/8 | 58.53 | 1/8 | 152.21 | 1/8 | 244.58 | 1/8 | 340.10 | 1/8 | 436.80 | 1/8 | 533.51 | 1/8 | 630.21 | 1/8 | 726.92 | 1/8 | 823.62 | 1/8 | 920.33 |
| 1/4 | 60.54 | 1/4 | 154.13 | 1/4 | 246.52 | 1/4 | 342.11 | 1/4 | 438.82 | 1/4 | 535.52 | 1/4 | 632.23 | 1/4 | 728.93 | 1/4 | 825.64 | 1/4 | 922.34 |
| 3/8 | 62.54 | 3/8 | 156.05 | 3/8 | 248.45 | 3/8 | 344.12 | 3/8 | 440.83 | 3/8 | 537.54 | 3/8 | 634.24 | 3/8 | 730.95 | 3/8 | 827.65 | 3/8 | 924.36 |
| 1/2 | 64.54 | 1/2 | 157.98 | 1/2 | 250.38 | 1/2 | 346.14 | 1/2 | 442.84 | 1/2 | 539.55 | 1/2 | 636.26 | 1/2 | 732.96 | 1/2 | 829.67 | 1/2 | 926.37 |
| 5/8 | 66.55 | 5/8 | 159.90 | 5/8 | 252.31 | 5/8 | 348.15 | 5/8 | 444.86 | 5/8 | 541.57 | 5/8 | 638.27 | 5/8 | 734.98 | 5/8 | 831.68 | 5/8 | 928.39 |
| 3/4 | 68.55 | 3/4 | 161.83 | 3/4 | 254.25 | 3/4 | 350.17 | 3/4 | 446.87 | 3/4 | 543.58 | 3/4 | 640.29 | 3/4 | 736.99 | 3/4 | 833.70 | 3/4 | 930.40 |
| 7/8 | 70.55 | 7/8 | 163.75 | 7/8 | 256.18 | 7/8 | 352.18 | 7/8 | 448.89 | 7/8 | 545.59 | 7/8 | 642.30 | 7/8 | 739.01 | 7/8 | 835.71 | 7/8 | 932.42 |
| 4 | 72.56 | 10 | 165.67 | 4 | 258.11 | 10 | 354.20 | 4 | 450.90 | 10 | 547.61 | 4 | 644.31 | 10 | 741.02 | 4 | 837.73 | 10 | 934.43 |
| 1/8 | 74.54 | 1/8 | 167.60 | 1/8 | 260.07 | 1/8 | 356.21 | 1/8 | 452.92 | 1/8 | 549.62 | 1/8 | 646.33 | 1/8 | 743.04 | 1/8 | 839.74 | 1/8 | 936.45 |
| 1/4 | 76.53 | 1/4 | 169.52 | 1/4 | 262.02 | 1/4 | 358.23 | 1/4 | 454.93 | 1/4 | 551.64 | 1/4 | 648.34 | 1/4 | 745.05 | 1/4 | 841.76 | 1/4 | 938.46 |
| 3/8 | 78.52 | 3/8 | 171.45 | 3/8 | 263.98 | 3/8 | 360.24 | 3/8 | 456.95 | 3/8 | 553.65 | 3/8 | 650.36 | 3/8 | 747.06 | 3/8 | 843.77 | 3/8 | 940.48 |
| 1/2 | 80.51 | 1/2 | 173.37 | 1/2 | 265.94 | 1/2 | 362.26 | 1/2 | 458.96 | 1/2 | 555.67 | 1/2 | 652.37 | 1/2 | 749.08 | 1/2 | 845.78 | 1/2 | 942.49 |
| 5/8 | 82.49 | 5/8 | 175.29 | 5/8 | 267.89 | 5/8 | 364.27 | 5/8 | 460.98 | 5/8 | 557.68 | 5/8 | 654.39 | 5/8 | 751.09 | 5/8 | 847.80 | 5/8 | 944.51 |
| 3/4 | 84.48 | 3/4 | 177.22 | 3/4 | 269.85 | 3/4 | 366.29 | 3/4 | 462.99 | 3/4 | 559.70 | 3/4 | 656.40 | 3/4 | 753.11 | 3/4 | 849.81 | 3/4 | 946.52 |
| 7/8 | 86.47 | 7/8 | 179.14 | 7/8 | 271.81 | 7/8 | 368.30 | 7/8 | 465.01 | 7/8 | 561.71 | 7/8 | 658.42 | 7/8 | 755.12 | 7/8 | 851.83 | 7/8 | 948.53 |
| 5 | 88.46 | 11 | 181.07 | 5 | 273.76 | 11 | 370.32 | 5 | 467.02 | 11 | 563.73 | 5 | 660.43 | 11 | 757.14 | 5 | 853.84 | 11 | 950.55 |
| 1/8 | 90.40 | 1/8 | 182.99 | 1/8 | 275.76 | 1/8 | 372.33 | 1/8 | 469.04 | 1/8 | 565.74 | 1/8 | 662.45 | 1/8 | 759.15 | 1/8 | 855.86 | 1/8 | 952.56 |
| 1/4 | 92.35 | 1/4 | 184.91 | 1/4 | 277.75 | 1/4 | 374.35 | 1/4 | 471.05 | 1/4 | 567.76 | 1/4 | 664.46 | 1/4 | 761.17 | 1/4 | 857.87 | 1/4 | 954.58 |
| 3/8 | 94.30 | 3/8 | 186.84 | 3/8 | 279.75 | 3/8 | 376.36 | 3/8 | 473.07 | 3/8 | 569.77 | 3/8 | 666.48 | 3/8 | 763.18 | 3/8 | 859.89 | 3/8 | 956.59 |
| 1/2 | 96.25 | 1/2 | 188.76 | 1/2 | 281.74 | 1/2 | 378.37 | 1/2 | 475.08 | 1/2 | 571.79 | 1/2 | 668.49 | 1/2 | 765.20 | 1/2 | 861.90 | 1/2 | 958.61 |
| 5/8 | 98.20 | 5/8 | 190.68 | 5/8 | 283.74 | 5/8 | 380.39 | 5/8 | 477.09 | 5/8 | 573.80 | 5/8 | 670.51 | 5/8 | 767.21 | 5/8 | 863.92 | 5/8 | 960.62 |
| 3/4 | 100.14 | 3/4 | 192.61 | 3/4 | 285.74 | 3/4 | 382.40 | 3/4 | 479.11 | 3/4 | 575.82 | 3/4 | 672.52 | 3/4 | 769.23 | 3/4 | 865.93 | 3/4 | 962.64 |
| 7/8 | 102.09 | 7/8 | 194.53 | 7/8 | 287.73 | 7/8 | 384.42 | 7/8 | 481.12 | 7/8 | 577.83 | 7/8 | 674.54 | 7/8 | 771.24 | 7/8 | 867.95 | 7/8 | 964.65 |

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE

GAUGE POINT: (MANUAL) LOCATED 10'-10" OFF CENTERLINE AND 23'-08" 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 "KIRBY 27774"

## 2 PORT
### INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09 3/4"

| IN | 5 FT. | IN | 5 FT. | IN | 6 FT. | IN | 6 FT. | IN | 7 FT. | IN | 7 FT. | IN | 8 FT. | IN | 8 FT. | IN | 9 FT. | IN | 9 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 966.67 | 6 | 1,063.37 | 0 | 1,160.08 | 6 | 1,256.78 | 0 | 1,353.49 | 6 | 1,450.16 | 0 | 1,546.85 | 6 | 1,643.53 | 0 | 1,740.21 | 6 | 1,836.89 |
| 1/8 | 968.68 | 1/8 | 1,065.39 | 1/8 | 1,162.09 | 1/8 | 1,258.80 | 1/8 | 1,355.50 | 1/8 | 1,452.18 | 1/8 | 1,548.86 | 1/8 | 1,645.54 | 1/8 | 1,742.22 | 1/8 | 1,838.90 |
| 1/4 | 970.70 | 1/4 | 1,067.40 | 1/4 | 1,164.11 | 1/4 | 1,260.81 | 1/4 | 1,357.52 | 1/4 | 1,454.19 | 1/4 | 1,550.87 | 1/4 | 1,647.56 | 1/4 | 1,744.24 | 1/4 | 1,840.92 |
| 3/8 | 972.71 | 3/8 | 1,069.42 | 3/8 | 1,166.12 | 3/8 | 1,262.83 | 3/8 | 1,359.53 | 3/8 | 1,456.21 | 3/8 | 1,552.89 | 3/8 | 1,649.57 | 3/8 | 1,746.25 | 3/8 | 1,842.93 |
| 1/2 | 974.73 | 1/2 | 1,071.43 | 1/2 | 1,168.14 | 1/2 | 1,264.84 | 1/2 | 1,361.55 | 1/2 | 1,458.22 | 1/2 | 1,554.90 | 1/2 | 1,651.58 | 1/2 | 1,748.27 | 1/2 | 1,844.95 |
| 5/8 | 976.74 | 5/8 | 1,073.45 | 5/8 | 1,170.15 | 5/8 | 1,266.86 | 5/8 | 1,363.56 | 5/8 | 1,460.23 | 5/8 | 1,556.92 | 5/8 | 1,653.60 | 5/8 | 1,750.28 | 5/8 | 1,846.96 |
| 3/4 | 978.76 | 3/4 | 1,075.46 | 3/4 | 1,172.17 | 3/4 | 1,268.87 | 3/4 | 1,365.58 | 3/4 | 1,462.25 | 3/4 | 1,558.93 | 3/4 | 1,655.61 | 3/4 | 1,752.29 | 3/4 | 1,848.98 |
| 7/8 | 980.77 | 7/8 | 1,077.48 | 7/8 | 1,174.18 | 7/8 | 1,270.89 | 7/8 | 1,367.59 | 7/8 | 1,464.26 | 7/8 | 1,560.94 | 7/8 | 1,657.63 | 7/8 | 1,754.31 | 7/8 | 1,850.99 |
| 1 | 982.78 | 7 | 1,079.49 | 1 | 1,176.20 | 7 | 1,272.90 | 1 | 1,369.61 | 7 | 1,466.28 | 1 | 1,562.96 | 7 | 1,659.64 | 1 | 1,756.32 | 7 | 1,853.00 |
| 1/8 | 984.80 | 1/8 | 1,081.50 | 1/8 | 1,178.21 | 1/8 | 1,274.92 | 1/8 | 1,371.62 | 1/8 | 1,468.29 | 1/8 | 1,564.97 | 1/8 | 1,661.65 | 1/8 | 1,758.34 | 1/8 | 1,855.02 |
| 1/4 | 986.81 | 1/4 | 1,083.52 | 1/4 | 1,180.23 | 1/4 | 1,276.93 | 1/4 | 1,373.64 | 1/4 | 1,470.31 | 1/4 | 1,566.99 | 1/4 | 1,663.67 | 1/4 | 1,760.35 | 1/4 | 1,857.03 |
| 3/8 | 988.83 | 3/8 | 1,085.53 | 3/8 | 1,182.24 | 3/8 | 1,278.95 | 3/8 | 1,375.65 | 3/8 | 1,472.32 | 3/8 | 1,569.00 | 3/8 | 1,665.68 | 3/8 | 1,762.36 | 3/8 | 1,859.05 |
| 1/2 | 990.84 | 1/2 | 1,087.55 | 1/2 | 1,184.25 | 1/2 | 1,280.96 | 1/2 | 1,377.67 | 1/2 | 1,474.33 | 1/2 | 1,571.02 | 1/2 | 1,667.70 | 1/2 | 1,764.38 | 1/2 | 1,861.06 |
| 5/8 | 992.86 | 5/8 | 1,089.56 | 5/8 | 1,186.27 | 5/8 | 1,282.97 | 5/8 | 1,379.68 | 5/8 | 1,476.35 | 5/8 | 1,573.03 | 5/8 | 1,669.71 | 5/8 | 1,766.39 | 5/8 | 1,863.07 |
| 3/4 | 994.87 | 3/4 | 1,091.58 | 3/4 | 1,188.28 | 3/4 | 1,284.99 | 3/4 | 1,381.70 | 3/4 | 1,478.36 | 3/4 | 1,575.04 | 3/4 | 1,671.73 | 3/4 | 1,768.41 | 3/4 | 1,865.09 |
| 7/8 | 996.89 | 7/8 | 1,093.59 | 7/8 | 1,190.30 | 7/8 | 1,287.00 | 7/8 | 1,383.71 | 7/8 | 1,480.38 | 7/8 | 1,577.06 | 7/8 | 1,673.74 | 7/8 | 1,770.42 | 7/8 | 1,867.10 |
| 2 | 998.90 | 8 | 1,095.61 | 2 | 1,192.31 | 8 | 1,289.02 | 2 | 1,385.72 | 8 | 1,482.39 | 2 | 1,579.07 | 8 | 1,675.75 | 2 | 1,772.44 | 8 | 1,869.12 |
| 1/8 | 1,000.92 | 1/8 | 1,097.62 | 1/8 | 1,194.33 | 1/8 | 1,291.03 | 1/8 | 1,387.74 | 1/8 | 1,484.41 | 1/8 | 1,581.09 | 1/8 | 1,677.77 | 1/8 | 1,774.45 | 1/8 | 1,871.13 |
| 1/4 | 1,002.93 | 1/4 | 1,099.64 | 1/4 | 1,196.34 | 1/4 | 1,293.05 | 1/4 | 1,389.75 | 1/4 | 1,486.42 | 1/4 | 1,583.10 | 1/4 | 1,679.78 | 1/4 | 1,776.46 | 1/4 | 1,873.15 |
| 3/8 | 1,004.95 | 3/8 | 1,101.65 | 3/8 | 1,198.36 | 3/8 | 1,295.06 | 3/8 | 1,391.77 | 3/8 | 1,488.43 | 3/8 | 1,585.12 | 3/8 | 1,681.80 | 3/8 | 1,778.48 | 3/8 | 1,875.16 |
| 1/2 | 1,006.96 | 1/2 | 1,103.67 | 1/2 | 1,200.37 | 1/2 | 1,297.08 | 1/2 | 1,393.78 | 1/2 | 1,490.45 | 1/2 | 1,587.13 | 1/2 | 1,683.81 | 1/2 | 1,780.49 | 1/2 | 1,877.17 |
| 5/8 | 1,008.98 | 5/8 | 1,105.68 | 5/8 | 1,202.39 | 5/8 | 1,299.09 | 5/8 | 1,395.80 | 5/8 | 1,492.46 | 5/8 | 1,589.14 | 5/8 | 1,685.83 | 5/8 | 1,782.51 | 5/8 | 1,879.19 |
| 3/4 | 1,010.99 | 3/4 | 1,107.70 | 3/4 | 1,204.40 | 3/4 | 1,301.11 | 3/4 | 1,397.81 | 3/4 | 1,494.48 | 3/4 | 1,591.16 | 3/4 | 1,687.84 | 3/4 | 1,784.52 | 3/4 | 1,881.20 |
| 7/8 | 1,013.00 | 7/8 | 1,109.71 | 7/8 | 1,206.42 | 7/8 | 1,303.12 | 7/8 | 1,399.83 | 7/8 | 1,496.49 | 7/8 | 1,593.17 | 7/8 | 1,689.85 | 7/8 | 1,786.54 | 7/8 | 1,883.22 |
| 3 | 1,015.02 | 9 | 1,111.73 | 3 | 1,208.43 | 9 | 1,305.14 | 3 | 1,401.84 | 9 | 1,498.50 | 3 | 1,595.19 | 9 | 1,691.87 | 3 | 1,788.55 | 9 | 1,885.23 |
| 1/8 | 1,017.03 | 1/8 | 1,113.74 | 1/8 | 1,210.45 | 1/8 | 1,307.15 | 1/8 | 1,403.85 | 1/8 | 1,500.52 | 1/8 | 1,597.20 | 1/8 | 1,693.88 | 1/8 | 1,790.56 | 1/8 | 1,887.25 |
| 1/4 | 1,019.05 | 1/4 | 1,115.75 | 1/4 | 1,212.46 | 1/4 | 1,309.17 | 1/4 | 1,405.87 | 1/4 | 1,502.53 | 1/4 | 1,599.21 | 1/4 | 1,695.90 | 1/4 | 1,792.58 | 1/4 | 1,889.26 |
| 3/8 | 1,021.06 | 3/8 | 1,117.77 | 3/8 | 1,214.47 | 3/8 | 1,311.18 | 3/8 | 1,407.88 | 3/8 | 1,504.55 | 3/8 | 1,601.23 | 3/8 | 1,697.91 | 3/8 | 1,794.59 | 3/8 | 1,891.27 |
| 1/2 | 1,023.08 | 1/2 | 1,119.78 | 1/2 | 1,216.49 | 1/2 | 1,313.20 | 1/2 | 1,409.89 | 1/2 | 1,506.56 | 1/2 | 1,603.24 | 1/2 | 1,699.92 | 1/2 | 1,796.61 | 1/2 | 1,893.29 |
| 5/8 | 1,025.09 | 5/8 | 1,121.80 | 5/8 | 1,218.50 | 5/8 | 1,315.21 | 5/8 | 1,411.90 | 5/8 | 1,508.58 | 5/8 | 1,605.26 | 5/8 | 1,701.94 | 5/8 | 1,798.62 | 5/8 | 1,895.30 |
| 3/4 | 1,027.11 | 3/4 | 1,123.81 | 3/4 | 1,220.52 | 3/4 | 1,317.22 | 3/4 | 1,413.91 | 3/4 | 1,510.59 | 3/4 | 1,607.27 | 3/4 | 1,703.95 | 3/4 | 1,800.63 | 3/4 | 1,897.32 |
| 7/8 | 1,029.12 | 7/8 | 1,125.83 | 7/8 | 1,222.53 | 7/8 | 1,319.24 | 7/8 | 1,415.92 | 7/8 | 1,512.60 | 7/8 | 1,609.29 | 7/8 | 1,705.97 | 7/8 | 1,802.65 | 7/8 | 1,899.33 |
| 4 | 1,031.14 | 10 | 1,127.84 | 4 | 1,224.55 | 10 | 1,321.25 | 4 | 1,417.94 | 10 | 1,514.62 | 4 | 1,611.30 | 10 | 1,707.98 | 4 | 1,804.66 | 10 | 1,901.34 |
| 1/8 | 1,033.15 | 1/8 | 1,129.86 | 1/8 | 1,226.56 | 1/8 | 1,323.27 | 1/8 | 1,419.95 | 1/8 | 1,516.63 | 1/8 | 1,613.31 | 1/8 | 1,710.00 | 1/8 | 1,806.68 | 1/8 | 1,903.36 |
| 1/4 | 1,035.17 | 1/4 | 1,131.87 | 1/4 | 1,228.58 | 1/4 | 1,325.28 | 1/4 | 1,421.96 | 1/4 | 1,518.65 | 1/4 | 1,615.33 | 1/4 | 1,712.01 | 1/4 | 1,808.69 | 1/4 | 1,905.37 |
| 3/8 | 1,037.18 | 3/8 | 1,133.89 | 3/8 | 1,230.59 | 3/8 | 1,327.30 | 3/8 | 1,423.98 | 3/8 | 1,520.66 | 3/8 | 1,617.34 | 3/8 | 1,714.02 | 3/8 | 1,810.71 | 3/8 | 1,907.39 |
| 1/2 | 1,039.20 | 1/2 | 1,135.90 | 1/2 | 1,232.61 | 1/2 | 1,329.31 | 1/2 | 1,425.99 | 1/2 | 1,522.67 | 1/2 | 1,619.36 | 1/2 | 1,716.04 | 1/2 | 1,812.72 | 1/2 | 1,909.40 |
| 5/8 | 1,041.21 | 5/8 | 1,137.92 | 5/8 | 1,234.62 | 5/8 | 1,331.33 | 5/8 | 1,428.01 | 5/8 | 1,524.69 | 5/8 | 1,621.37 | 5/8 | 1,718.05 | 5/8 | 1,814.73 | 5/8 | 1,911.42 |
| 3/4 | 1,043.23 | 3/4 | 1,139.93 | 3/4 | 1,236.64 | 3/4 | 1,333.34 | 3/4 | 1,430.02 | 3/4 | 1,526.70 | 3/4 | 1,623.38 | 3/4 | 1,720.07 | 3/4 | 1,816.75 | 3/4 | 1,913.43 |
| 7/8 | 1,045.24 | 7/8 | 1,141.95 | 7/8 | 1,238.65 | 7/8 | 1,335.36 | 7/8 | 1,432.04 | 7/8 | 1,528.72 | 7/8 | 1,625.40 | 7/8 | 1,722.08 | 7/8 | 1,818.76 | 7/8 | 1,915.44 |
| 5 | 1,047.25 | 11 | 1,143.96 | 5 | 1,240.67 | 11 | 1,337.37 | 5 | 1,434.05 | 11 | 1,530.73 | 5 | 1,627.41 | 11 | 1,724.09 | 5 | 1,820.78 | 11 | 1,917.46 |
| 1/8 | 1,049.27 | 1/8 | 1,145.98 | 1/8 | 1,242.68 | 1/8 | 1,339.39 | 1/8 | 1,436.06 | 1/8 | 1,532.75 | 1/8 | 1,629.43 | 1/8 | 1,726.11 | 1/8 | 1,822.79 | 1/8 | 1,919.47 |
| 1/4 | 1,051.28 | 1/4 | 1,147.99 | 1/4 | 1,244.70 | 1/4 | 1,341.40 | 1/4 | 1,438.08 | 1/4 | 1,534.76 | 1/4 | 1,631.44 | 1/4 | 1,728.12 | 1/4 | 1,824.80 | 1/4 | 1,921.49 |
| 3/8 | 1,053.30 | 3/8 | 1,150.00 | 3/8 | 1,246.71 | 3/8 | 1,343.42 | 3/8 | 1,440.09 | 3/8 | 1,536.77 | 3/8 | 1,633.46 | 3/8 | 1,730.14 | 3/8 | 1,826.82 | 3/8 | 1,923.50 |
| 1/2 | 1,055.31 | 1/2 | 1,152.02 | 1/2 | 1,248.72 | 1/2 | 1,345.43 | 1/2 | 1,442.11 | 1/2 | 1,538.79 | 1/2 | 1,635.47 | 1/2 | 1,732.15 | 1/2 | 1,828.83 | 1/2 | 1,925.51 |
| 5/8 | 1,057.33 | 5/8 | 1,154.03 | 5/8 | 1,250.74 | 5/8 | 1,347.45 | 5/8 | 1,444.12 | 5/8 | 1,540.80 | 5/8 | 1,637.48 | 5/8 | 1,734.17 | 5/8 | 1,830.85 | 5/8 | 1,927.53 |
| 3/4 | 1,059.34 | 3/4 | 1,156.05 | 3/4 | 1,252.75 | 3/4 | 1,349.46 | 3/4 | 1,446.14 | 3/4 | 1,542.82 | 3/4 | 1,639.50 | 3/4 | 1,736.18 | 3/4 | 1,832.86 | 3/4 | 1,929.54 |
| 7/8 | 1,061.36 | 7/8 | 1,158.06 | 7/8 | 1,254.77 | 7/8 | 1,351.47 | 7/8 | 1,448.15 | 7/8 | 1,544.83 | 7/8 | 1,641.51 | 7/8 | 1,738.19 | 7/8 | 1,834.88 | 7/8 | 1,931.56 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.


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# BARGE "KIRBY 27774"

## 2 PORT
### INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09 3/4"

| IN | 10 FT. | IN | 10 FT. | IN | 11 FT. | IN | 11 FT. | IN | 12 FT. | IN | 12 FT. | IN | 13 FT. | IN | 13 FT. | IN | 14 FT. | IN | 14 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 1,933.57 | 6 | 2,030.12 | 0 | 2,126.04 | 6 | 2,221.93 | 0 | 2,317.83 | 6 | 2,412.88 | 0 | | 6 | | 0 | | 6 | |
| 1/8 | 1,935.59 | 1/8 | 2,032.12 | 1/8 | 2,128.03 | 1/8 | 2,223.93 | 1/8 | 2,319.82 | 1/8 | 2,414.67 | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 1,937.60 | 1/4 | 2,034.12 | 1/4 | 2,130.03 | 1/4 | 2,225.93 | 1/4 | 2,321.81 | 1/4 | 2,416.46 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 1,939.61 | 3/8 | 2,036.12 | 3/8 | 2,132.03 | 3/8 | 2,227.92 | 3/8 | 2,323.81 | 3/8 | 2,418.25 | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 1,941.63 | 1/2 | 2,038.12 | 1/2 | 2,134.03 | 1/2 | 2,229.92 | 1/2 | 2,325.80 | 1/2 | 2,420.04 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 1,943.64 | 5/8 | 2,040.12 | 5/8 | 2,136.03 | 5/8 | 2,231.92 | 5/8 | 2,327.80 | 5/8 | 2,421.83 | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 1,945.66 | 3/4 | 2,042.12 | 3/4 | 2,138.02 | 3/4 | 2,233.92 | 3/4 | 2,329.79 | 3/4 | 2,423.62 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 1,947.67 | 7/8 | 2,044.12 | 7/8 | 2,140.02 | 7/8 | 2,235.92 | 7/8 | 2,331.78 | 7/8 | 2,425.42 | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 1 | 1,949.69 | 7 | 2,046.12 | 1 | 2,142.02 | 7 | 2,237.91 | 1 | 2,333.78 | 7 | 2,427.21 | 1 | | 7 | | 1 | | 7 | |
| 1/8 | 1,951.70 | 1/8 | 2,048.12 | 1/8 | 2,144.02 | 1/8 | 2,239.91 | 1/8 | 2,335.76 | 1/8 | 2,428.69 | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 1,953.71 | 1/4 | 2,050.12 | 1/4 | 2,146.01 | 1/4 | 2,241.91 | 1/4 | 2,337.75 | 1/4 | 2,430.16 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 1,955.72 | 3/8 | 2,052.12 | 3/8 | 2,148.01 | 3/8 | 2,243.91 | 3/8 | 2,339.74 | 3/8 | 2,431.64 | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 1,957.73 | 1/2 | 2,054.12 | 1/2 | 2,150.01 | 1/2 | 2,245.90 | 1/2 | 2,341.72 | 1/2 | 2,433.12 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 1,959.74 | 5/8 | 2,056.11 | 5/8 | 2,152.01 | 5/8 | 2,247.90 | 5/8 | 2,343.71 | 5/8 | 2,434.60 | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 1,961.76 | 3/4 | 2,058.11 | 3/4 | 2,154.01 | 3/4 | 2,249.90 | 3/4 | 2,345.70 | 3/4 | 2,436.08 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 1,963.77 | 7/8 | 2,060.11 | 7/8 | 2,156.00 | 7/8 | 2,251.90 | 7/8 | 2,347.68 | 7/8 | 2,437.56 | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 2 | 1,965.78 | 8 | 2,062.11 | 2 | 2,158.00 | 8 | 2,253.90 | 2 | 2,349.67 | 8 | 2,439.04 | 2 | | 8 | | 2 | | 8 | |
| 1/8 | 1,967.79 | 1/8 | 2,064.10 | 1/8 | 2,160.00 | 1/8 | 2,255.89 | 1/8 | 2,351.65 | 1/8 | 2,440.18 | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 1,969.80 | 1/4 | 2,066.10 | 1/4 | 2,162.00 | 1/4 | 2,257.89 | 1/4 | 2,353.64 | 1/4 | 2,441.33 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 1,971.81 | 3/8 | 2,068.10 | 3/8 | 2,163.99 | 3/8 | 2,259.89 | 3/8 | 2,355.62 | 3/8 | 2,442.47 | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 1,973.83 | 1/2 | 2,070.10 | 1/2 | 2,165.99 | 1/2 | 2,261.89 | 1/2 | 2,357.60 | 1/2 | 2,443.62 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 1,975.84 | 5/8 | 2,072.10 | 5/8 | 2,167.99 | 5/8 | 2,263.88 | 5/8 | 2,359.59 | 5/8 | 2,444.76 | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 1,977.85 | 3/4 | 2,074.09 | 3/4 | 2,169.99 | 3/4 | 2,265.88 | 3/4 | 2,361.57 | 3/4 | 2,445.90 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 1,979.86 | 7/8 | 2,076.09 | 7/8 | 2,171.99 | 7/8 | 2,267.88 | 7/8 | 2,363.55 | 7/8 | 2,447.05 | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 3 | 1,981.87 | 9 | 2,078.09 | 3 | 2,173.98 | 9 | 2,269.88 | 3 | 2,365.54 | 9 | 2,448.19 | 3 | | 9 | | 3 | | 9 | |
| 1/8 | 1,983.88 | 1/8 | 2,080.09 | 1/8 | 2,175.98 | 1/8 | 2,271.88 | 1/8 | 2,367.52 | 1/8 | 2,449.00 | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 1,985.90 | 1/4 | 2,082.08 | 1/4 | 2,177.98 | 1/4 | 2,273.87 | 1/4 | 2,369.50 | 1/4 | 2,449.81 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 1,987.91 | 3/8 | 2,084.08 | 3/8 | 2,179.98 | 3/8 | 2,275.87 | 3/8 | 2,371.48 | 3/8 | — | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 1,989.92 | 1/2 | 2,086.08 | 1/2 | 2,181.97 | 1/2 | 2,277.87 | 1/2 | 2,373.47 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 1,991.93 | 5/8 | 2,088.08 | 5/8 | 2,183.97 | 5/8 | 2,279.87 | 5/8 | 2,375.45 | 5/8 | | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 1,993.94 | 3/4 | 2,090.08 | 3/4 | 2,185.97 | 3/4 | 2,281.86 | 3/4 | 2,377.43 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 1,995.95 | 7/8 | 2,092.07 | 7/8 | 2,187.97 | 7/8 | 2,283.86 | 7/8 | 2,379.41 | 7/8 | | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 4 | 1,997.97 | 10 | 2,094.07 | 4 | 2,189.97 | 10 | 2,285.86 | 4 | 2,381.39 | 10 | | 4 | | 10 | | 4 | | 10 | |
| 1/8 | 1,999.98 | 1/8 | 2,096.07 | 1/8 | 2,191.96 | 1/8 | 2,287.86 | 1/8 | 2,383.37 | 1/8 | | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 2,001.99 | 1/4 | 2,098.07 | 1/4 | 2,193.96 | 1/4 | 2,289.86 | 1/4 | 2,385.35 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 2,004.00 | 3/8 | 2,100.07 | 3/8 | 2,195.96 | 3/8 | 2,291.85 | 3/8 | 2,387.33 | 3/8 | | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 2,006.01 | 1/2 | 2,102.06 | 1/2 | 2,197.96 | 1/2 | 2,293.85 | 1/2 | 2,389.31 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 2,008.02 | 5/8 | 2,104.06 | 5/8 | 2,199.96 | 5/8 | 2,295.85 | 5/8 | 2,391.29 | 5/8 | | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 2,010.04 | 3/4 | 2,106.06 | 3/4 | 2,201.95 | 3/4 | 2,297.85 | 3/4 | 2,393.27 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 2,012.05 | 7/8 | 2,108.06 | 7/8 | 2,203.95 | 7/8 | 2,299.85 | 7/8 | 2,395.25 | 7/8 | | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 5 | 2,014.06 | 11 | 2,110.05 | 5 | 2,205.95 | 11 | 2,301.84 | 5 | 2,397.23 | 11 | | 5 | | 11 | | 5 | | 11 | |
| 1/8 | 2,016.07 | 1/8 | 2,112.05 | 1/8 | 2,207.95 | 1/8 | 2,303.84 | 1/8 | 2,399.19 | 1/8 | | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 2,018.07 | 1/4 | 2,114.05 | 1/4 | 2,209.94 | 1/4 | 2,305.84 | 1/4 | 2,401.14 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 2,020.08 | 3/8 | 2,116.05 | 3/8 | 2,211.94 | 3/8 | 2,307.84 | 3/8 | 2,403.10 | 3/8 | | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 2,022.09 | 1/2 | 2,118.05 | 1/2 | 2,213.94 | 1/2 | 2,309.83 | 1/2 | 2,405.05 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 2,024.10 | 5/8 | 2,120.04 | 5/8 | 2,215.94 | 5/8 | 2,311.83 | 5/8 | 2,407.01 | 5/8 | | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 2,026.11 | 3/4 | 2,122.04 | 3/4 | 2,217.94 | 3/4 | 2,313.83 | 3/4 | 2,408.97 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 2,028.11 | 7/8 | 2,124.04 | 7/8 | 2,219.93 | 7/8 | 2,315.83 | 7/8 | 2,410.92 | 7/8 | | 7/8 | | 7/8 | | 7/8 | | 7/8 | |

STRAPPED: 09/17/2009 CL - SW
RECALCULATED: 12/04/2009 CL
REPRINTED: 12/09/2009 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2009

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

# BARGE "KIRBY 27774"

## 2 STBD

### INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09 1/2"

| IN | 0 FT. | IN | 0 FT. | IN | 1 FT. | IN | 1 FT. | IN | 2 FT. | IN | 2 FT. | IN | 3 FT. | IN | 3 FT. | IN | 4 FT. | IN | 4 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 13.49 | 6 | 104.77 | 0 | 201.25 | 6 | 297.71 | 0 | 394.45 | 6 | 491.20 | 0 | 587.95 | 6 | 684.69 | 0 | 781.44 | 6 | 878.19 |
| 1/8 | 15.00 | 1/8 | 106.79 | 1/8 | 203.26 | 1/8 | 299.72 | 1/8 | 396.46 | 1/8 | 493.21 | 1/8 | 589.96 | 1/8 | 686.71 | 1/8 | 783.46 | 1/8 | 880.21 |
| 1/4 | 16.51 | 1/4 | 108.80 | 1/4 | 205.27 | 1/4 | 301.74 | 1/4 | 398.48 | 1/4 | 495.23 | 1/4 | 591.98 | 1/4 | 688.73 | 1/4 | 785.47 | 1/4 | 882.22 |
| 3/8 | 18.02 | 3/8 | 110.82 | 3/8 | 207.28 | 3/8 | 303.75 | 3/8 | 400.50 | 3/8 | 497.24 | 3/8 | 593.99 | 3/8 | 690.74 | 3/8 | 787.49 | 3/8 | 884.24 |
| 1/2 | 19.53 | 1/2 | 112.83 | 1/2 | 209.28 | 1/2 | 305.77 | 1/2 | 402.51 | 1/2 | 499.26 | 1/2 | 596.01 | 1/2 | 692.76 | 1/2 | 789.51 | 1/2 | 886.25 |
| 5/8 | 21.05 | 5/8 | 114.85 | 5/8 | 211.29 | 5/8 | 307.78 | 5/8 | 404.53 | 5/8 | 501.28 | 5/8 | 598.02 | 5/8 | 694.77 | 5/8 | 791.52 | 5/8 | 888.27 |
| 3/4 | 22.56 | 3/4 | 116.86 | 3/4 | 213.30 | 3/4 | 309.79 | 3/4 | 406.54 | 3/4 | 503.29 | 3/4 | 600.04 | 3/4 | 696.79 | 3/4 | 793.54 | 3/4 | 890.29 |
| 7/8 | 24.07 | 7/8 | 118.88 | 7/8 | 215.31 | 7/8 | 311.81 | 7/8 | 408.56 | 7/8 | 505.31 | 7/8 | 602.05 | 7/8 | 698.80 | 7/8 | 795.55 | 7/8 | 892.30 |
| 1 | 25.58 | 7 | 120.89 | 1 | 217.31 | 7 | 313.82 | 1 | 410.57 | 7 | 507.32 | 1 | 604.07 | 7 | 700.82 | 1 | 797.57 | 7 | 894.32 |
| 1/8 | 27.45 | 1/8 | 122.90 | 1/8 | 219.32 | 1/8 | 315.84 | 1/8 | 412.59 | 1/8 | 509.34 | 1/8 | 606.09 | 1/8 | 702.83 | 1/8 | 799.58 | 1/8 | 896.33 |
| 1/4 | 29.33 | 1/4 | 124.92 | 1/4 | 221.33 | 1/4 | 317.86 | 1/4 | 414.60 | 1/4 | 511.35 | 1/4 | 608.10 | 1/4 | 704.85 | 1/4 | 801.60 | 1/4 | 898.35 |
| 3/8 | 31.21 | 3/8 | 126.93 | 3/8 | 223.34 | 3/8 | 319.87 | 3/8 | 416.62 | 3/8 | 513.37 | 3/8 | 610.12 | 3/8 | 706.87 | 3/8 | 803.61 | 3/8 | 900.36 |
| 1/2 | 33.08 | 1/2 | 128.94 | 1/2 | 225.34 | 1/2 | 321.89 | 1/2 | 418.64 | 1/2 | 515.38 | 1/2 | 612.13 | 1/2 | 708.88 | 1/2 | 805.63 | 1/2 | 902.38 |
| 5/8 | 34.96 | 5/8 | 130.96 | 5/8 | 227.35 | 5/8 | 323.90 | 5/8 | 420.65 | 5/8 | 517.40 | 5/8 | 614.15 | 5/8 | 710.90 | 5/8 | 807.65 | 5/8 | 904.39 |
| 3/4 | 36.83 | 3/4 | 132.97 | 3/4 | 229.36 | 3/4 | 325.92 | 3/4 | 422.67 | 3/4 | 519.42 | 3/4 | 616.16 | 3/4 | 712.91 | 3/4 | 809.66 | 3/4 | 906.41 |
| 7/8 | 38.71 | 7/8 | 134.98 | 7/8 | 231.37 | 7/8 | 327.93 | 7/8 | 424.68 | 7/8 | 521.43 | 7/8 | 618.18 | 7/8 | 714.93 | 7/8 | 811.68 | 7/8 | 908.43 |
| 2 | 40.59 | 8 | 137.00 | 2 | 233.37 | 8 | 329.95 | 2 | 426.70 | 8 | 523.45 | 2 | 620.20 | 8 | 716.94 | 2 | 813.69 | 8 | 910.44 |
| 1/8 | 42.58 | 1/8 | 139.01 | 1/8 | 235.38 | 1/8 | 331.96 | 1/8 | 428.71 | 1/8 | 525.46 | 1/8 | 622.21 | 1/8 | 718.96 | 1/8 | 815.71 | 1/8 | 912.46 |
| 1/4 | 44.58 | 1/4 | 141.02 | 1/4 | 237.39 | 1/4 | 333.98 | 1/4 | 430.73 | 1/4 | 527.48 | 1/4 | 624.23 | 1/4 | 720.98 | 1/4 | 817.72 | 1/4 | 914.47 |
| 3/8 | 46.57 | 3/8 | 143.03 | 3/8 | 239.40 | 3/8 | 336.00 | 3/8 | 432.74 | 3/8 | 529.49 | 3/8 | 626.24 | 3/8 | 722.99 | 3/8 | 819.74 | 3/8 | 916.49 |
| 1/2 | 48.57 | 1/2 | 145.04 | 1/2 | 241.40 | 1/2 | 338.01 | 1/2 | 434.76 | 1/2 | 531.51 | 1/2 | 628.26 | 1/2 | 725.01 | 1/2 | 821.76 | 1/2 | 918.50 |
| 5/8 | 50.57 | 5/8 | 147.05 | 5/8 | 243.41 | 5/8 | 340.03 | 5/8 | 436.78 | 5/8 | 533.52 | 5/8 | 630.27 | 5/8 | 727.02 | 5/8 | 823.77 | 5/8 | 920.52 |
| 3/4 | 52.56 | 3/4 | 149.06 | 3/4 | 245.42 | 3/4 | 342.04 | 3/4 | 438.79 | 3/4 | 535.54 | 3/4 | 632.29 | 3/4 | 729.04 | 3/4 | 825.79 | 3/4 | 922.54 |
| 7/8 | 54.56 | 7/8 | 151.07 | 7/8 | 247.43 | 7/8 | 344.06 | 7/8 | 440.81 | 7/8 | 537.56 | 7/8 | 634.30 | 7/8 | 731.05 | 7/8 | 827.80 | 7/8 | 924.55 |
| 3 | 56.55 | 9 | 153.07 | 3 | 249.43 | 9 | 346.07 | 3 | 442.82 | 9 | 539.57 | 3 | 636.32 | 9 | 733.07 | 3 | 829.82 | 9 | 926.57 |
| 1/8 | 58.56 | 1/8 | 155.08 | 1/8 | 251.44 | 1/8 | 348.09 | 1/8 | 444.84 | 1/8 | 541.59 | 1/8 | 638.34 | 1/8 | 735.08 | 1/8 | 831.83 | 1/8 | 928.58 |
| 1/4 | 60.56 | 1/4 | 157.09 | 1/4 | 253.45 | 1/4 | 350.11 | 1/4 | 446.85 | 1/4 | 543.60 | 1/4 | 640.35 | 1/4 | 737.10 | 1/4 | 833.85 | 1/4 | 930.60 |
| 3/8 | 62.57 | 3/8 | 159.10 | 3/8 | 255.46 | 3/8 | 352.12 | 3/8 | 448.87 | 3/8 | 545.62 | 3/8 | 642.37 | 3/8 | 739.12 | 3/8 | 835.86 | 3/8 | 932.61 |
| 1/2 | 64.57 | 1/2 | 161.10 | 1/2 | 257.47 | 1/2 | 354.14 | 1/2 | 450.89 | 1/2 | 547.63 | 1/2 | 644.38 | 1/2 | 741.13 | 1/2 | 837.88 | 1/2 | 934.63 |
| 5/8 | 66.58 | 5/8 | 163.11 | 5/8 | 259.48 | 5/8 | 356.15 | 5/8 | 452.90 | 5/8 | 549.65 | 5/8 | 646.40 | 5/8 | 743.15 | 5/8 | 839.90 | 5/8 | 936.64 |
| 3/4 | 68.58 | 3/4 | 165.12 | 3/4 | 261.49 | 3/4 | 358.17 | 3/4 | 454.92 | 3/4 | 551.66 | 3/4 | 648.41 | 3/4 | 745.16 | 3/4 | 841.91 | 3/4 | 938.66 |
| 7/8 | 70.59 | 7/8 | 167.13 | 7/8 | 263.50 | 7/8 | 360.18 | 7/8 | 456.93 | 7/8 | 553.68 | 7/8 | 650.43 | 7/8 | 747.18 | 7/8 | 843.93 | 7/8 | 940.68 |
| 4 | 72.59 | 10 | 169.13 | 4 | 265.51 | 10 | 362.20 | 4 | 458.95 | 10 | 555.70 | 4 | 652.44 | 10 | 749.19 | 4 | 845.94 | 10 | 942.69 |
| 1/8 | 74.60 | 1/8 | 171.14 | 1/8 | 267.52 | 1/8 | 364.21 | 1/8 | 460.96 | 1/8 | 557.71 | 1/8 | 654.46 | 1/8 | 751.21 | 1/8 | 847.96 | 1/8 | 944.71 |
| 1/4 | 76.61 | 1/4 | 173.15 | 1/4 | 269.53 | 1/4 | 366.23 | 1/4 | 462.98 | 1/4 | 559.73 | 1/4 | 656.48 | 1/4 | 753.22 | 1/4 | 849.97 | 1/4 | 946.72 |
| 3/8 | 78.62 | 3/8 | 175.16 | 3/8 | 271.54 | 3/8 | 368.25 | 3/8 | 464.99 | 3/8 | 561.74 | 3/8 | 658.49 | 3/8 | 755.24 | 3/8 | 851.99 | 3/8 | 948.74 |
| 1/2 | 80.63 | 1/2 | 177.16 | 1/2 | 273.55 | 1/2 | 370.26 | 1/2 | 467.01 | 1/2 | 563.76 | 1/2 | 660.51 | 1/2 | 757.26 | 1/2 | 854.00 | 1/2 | 950.75 |
| 5/8 | 82.64 | 5/8 | 179.17 | 5/8 | 275.57 | 5/8 | 372.28 | 5/8 | 469.03 | 5/8 | 565.77 | 5/8 | 662.52 | 5/8 | 759.27 | 5/8 | 856.02 | 5/8 | 952.77 |
| 3/4 | 84.65 | 3/4 | 181.18 | 3/4 | 277.58 | 3/4 | 374.29 | 3/4 | 471.04 | 3/4 | 567.79 | 3/4 | 664.54 | 3/4 | 761.29 | 3/4 | 858.04 | 3/4 | 954.78 |
| 7/8 | 86.66 | 7/8 | 183.19 | 7/8 | 279.59 | 7/8 | 376.31 | 7/8 | 473.06 | 7/8 | 569.81 | 7/8 | 666.55 | 7/8 | 763.30 | 7/8 | 860.05 | 7/8 | 956.80 |
| 5 | 88.67 | 11 | 185.19 | 5 | 281.60 | 11 | 378.32 | 5 | 475.07 | 11 | 571.82 | 5 | 668.57 | 11 | 765.32 | 5 | 862.07 | 11 | 958.82 |
| 1/8 | 90.68 | 1/8 | 187.20 | 1/8 | 283.61 | 1/8 | 380.34 | 1/8 | 477.09 | 1/8 | 573.84 | 1/8 | 670.59 | 1/8 | 767.33 | 1/8 | 864.08 | 1/8 | 960.83 |
| 1/4 | 92.69 | 1/4 | 189.21 | 1/4 | 285.63 | 1/4 | 382.35 | 1/4 | 479.10 | 1/4 | 575.85 | 1/4 | 672.60 | 1/4 | 769.35 | 1/4 | 866.10 | 1/4 | 962.85 |
| 3/8 | 94.71 | 3/8 | 191.22 | 3/8 | 287.64 | 3/8 | 384.37 | 3/8 | 481.12 | 3/8 | 577.87 | 3/8 | 674.62 | 3/8 | 771.37 | 3/8 | 868.11 | 3/8 | 964.86 |
| 1/2 | 96.72 | 1/2 | 193.22 | 1/2 | 289.65 | 1/2 | 386.39 | 1/2 | 483.13 | 1/2 | 579.88 | 1/2 | 676.63 | 1/2 | 773.38 | 1/2 | 870.13 | 1/2 | 966.88 |
| 5/8 | 98.73 | 5/8 | 195.23 | 5/8 | 291.67 | 5/8 | 388.40 | 5/8 | 485.15 | 5/8 | 581.90 | 5/8 | 678.65 | 5/8 | 775.40 | 5/8 | 872.15 | 5/8 | 968.89 |
| 3/4 | 100.75 | 3/4 | 197.24 | 3/4 | 293.68 | 3/4 | 390.42 | 3/4 | 487.17 | 3/4 | 583.91 | 3/4 | 680.66 | 3/4 | 777.41 | 3/4 | 874.16 | 3/4 | 970.91 |
| 7/8 | 102.76 | 7/8 | 199.25 | 7/8 | 295.69 | 7/8 | 392.43 | 7/8 | 489.18 | 7/8 | 585.93 | 7/8 | 682.68 | 7/8 | 779.43 | 7/8 | 876.18 | 7/8 | 972.93 |

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE

GAUGE POINT: (MANUAL) LOCATED 10'-10" OFF CENTERLINE AND 23'-08" 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 "KIRBY 27774"

## 2 STBD

### INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09 1/2"

| IN | 5 FT. | IN | 5 FT. | IN | 6 FT. | IN | 6 FT. | IN | 7 FT. | IN | 7 FT. | IN | 8 FT. | IN | 8 FT. | IN | 9 FT. | IN | 9 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 974.94 | 6 | 1,071.69 | 0 | 1,168.44 | 6 | 1,265.19 | 0 | 1,361.94 | 6 | 1,458.66 | 0 | 1,555.38 | 6 | 1,652.10 | 0 | 1,748.82 | 6 | 1,845.54 |
| 1/8 | 976.96 | 1/8 | 1,073.71 | 1/8 | 1,170.45 | 1/8 | 1,267.20 | 1/8 | 1,363.95 | 1/8 | 1,460.68 | 1/8 | 1,557.40 | 1/8 | 1,654.12 | 1/8 | 1,750.84 | 1/8 | 1,847.56 |
| 1/4 | 978.97 | 1/4 | 1,075.72 | 1/4 | 1,172.47 | 1/4 | 1,269.22 | 1/4 | 1,365.97 | 1/4 | 1,462.69 | 1/4 | 1,559.41 | 1/4 | 1,656.13 | 1/4 | 1,752.85 | 1/4 | 1,849.57 |
| 3/8 | 980.99 | 3/8 | 1,077.74 | 3/8 | 1,174.49 | 3/8 | 1,271.23 | 3/8 | 1,367.98 | 3/8 | 1,464.71 | 3/8 | 1,561.43 | 3/8 | 1,658.15 | 3/8 | 1,754.87 | 3/8 | 1,851.59 |
| 1/2 | 983.00 | 1/2 | 1,079.75 | 1/2 | 1,176.50 | 1/2 | 1,273.25 | 1/2 | 1,370.00 | 1/2 | 1,466.72 | 1/2 | 1,563.44 | 1/2 | 1,660.16 | 1/2 | 1,756.88 | 1/2 | 1,853.60 |
| 5/8 | 985.02 | 5/8 | 1,081.77 | 5/8 | 1,178.52 | 5/8 | 1,275.27 | 5/8 | 1,372.01 | 5/8 | 1,468.74 | 5/8 | 1,565.46 | 5/8 | 1,662.18 | 5/8 | 1,758.90 | 5/8 | 1,855.62 |
| 3/4 | 987.03 | 3/4 | 1,083.78 | 3/4 | 1,180.53 | 3/4 | 1,277.28 | 3/4 | 1,374.03 | 3/4 | 1,470.75 | 3/4 | 1,567.47 | 3/4 | 1,664.19 | 3/4 | 1,760.91 | 3/4 | 1,857.63 |
| 7/8 | 989.05 | 7/8 | 1,085.80 | 7/8 | 1,182.55 | 7/8 | 1,279.30 | 7/8 | 1,376.05 | 7/8 | 1,472.77 | 7/8 | 1,569.49 | 7/8 | 1,666.21 | 7/8 | 1,762.93 | 7/8 | 1,859.65 |
| 1 | 991.07 | 7 | 1,087.81 | 1 | 1,184.56 | 7 | 1,281.31 | 1 | 1,378.06 | 7 | 1,474.78 | 1 | 1,571.50 | 7 | 1,668.22 | 1 | 1,764.94 | 7 | 1,861.66 |
| 1/8 | 993.08 | 1/8 | 1,089.83 | 1/8 | 1,186.58 | 1/8 | 1,283.33 | 1/8 | 1,380.08 | 1/8 | 1,476.80 | 1/8 | 1,573.52 | 1/8 | 1,670.24 | 1/8 | 1,766.96 | 1/8 | 1,863.68 |
| 1/4 | 995.10 | 1/4 | 1,091.85 | 1/4 | 1,188.59 | 1/4 | 1,285.34 | 1/4 | 1,382.09 | 1/4 | 1,478.81 | 1/4 | 1,575.53 | 1/4 | 1,672.25 | 1/4 | 1,768.97 | 1/4 | 1,865.69 |
| 3/8 | 997.11 | 3/8 | 1,093.86 | 3/8 | 1,190.61 | 3/8 | 1,287.36 | 3/8 | 1,384.11 | 3/8 | 1,480.83 | 3/8 | 1,577.55 | 3/8 | 1,674.27 | 3/8 | 1,770.99 | 3/8 | 1,867.71 |
| 1/2 | 999.13 | 1/2 | 1,095.88 | 1/2 | 1,192.63 | 1/2 | 1,289.37 | 1/2 | 1,386.12 | 1/2 | 1,482.84 | 1/2 | 1,579.56 | 1/2 | 1,676.28 | 1/2 | 1,773.00 | 1/2 | 1,869.72 |
| 5/8 | 1,001.14 | 5/8 | 1,097.89 | 5/8 | 1,194.64 | 5/8 | 1,291.39 | 5/8 | 1,388.14 | 5/8 | 1,484.86 | 5/8 | 1,581.58 | 5/8 | 1,678.30 | 5/8 | 1,775.02 | 5/8 | 1,871.74 |
| 3/4 | 1,003.16 | 3/4 | 1,099.91 | 3/4 | 1,196.66 | 3/4 | 1,293.41 | 3/4 | 1,390.15 | 3/4 | 1,486.87 | 3/4 | 1,583.59 | 3/4 | 1,680.31 | 3/4 | 1,777.03 | 3/4 | 1,873.75 |
| 7/8 | 1,005.17 | 7/8 | 1,101.92 | 7/8 | 1,198.67 | 7/8 | 1,295.42 | 7/8 | 1,392.17 | 7/8 | 1,488.89 | 7/8 | 1,585.61 | 7/8 | 1,682.33 | 7/8 | 1,779.05 | 7/8 | 1,875.77 |
| 2 | 1,007.19 | 8 | 1,103.94 | 2 | 1,200.69 | 8 | 1,297.44 | 2 | 1,394.19 | 8 | 1,490.90 | 2 | 1,587.62 | 8 | 1,684.34 | 2 | 1,781.06 | 8 | 1,877.78 |
| 1/8 | 1,009.21 | 1/8 | 1,105.95 | 1/8 | 1,202.70 | 1/8 | 1,299.45 | 1/8 | 1,396.20 | 1/8 | 1,492.92 | 1/8 | 1,589.64 | 1/8 | 1,686.36 | 1/8 | 1,783.08 | 1/8 | 1,879.80 |
| 1/4 | 1,011.22 | 1/4 | 1,107.97 | 1/4 | 1,204.72 | 1/4 | 1,301.47 | 1/4 | 1,398.22 | 1/4 | 1,494.93 | 1/4 | 1,591.65 | 1/4 | 1,688.37 | 1/4 | 1,785.09 | 1/4 | 1,881.81 |
| 3/8 | 1,013.24 | 3/8 | 1,109.99 | 3/8 | 1,206.73 | 3/8 | 1,303.48 | 3/8 | 1,400.23 | 3/8 | 1,496.95 | 3/8 | 1,593.67 | 3/8 | 1,690.39 | 3/8 | 1,787.11 | 3/8 | 1,883.83 |
| 1/2 | 1,015.25 | 1/2 | 1,112.00 | 1/2 | 1,208.75 | 1/2 | 1,305.50 | 1/2 | 1,402.25 | 1/2 | 1,498.96 | 1/2 | 1,595.68 | 1/2 | 1,692.40 | 1/2 | 1,789.12 | 1/2 | 1,885.84 |
| 5/8 | 1,017.27 | 5/8 | 1,114.02 | 5/8 | 1,210.77 | 5/8 | 1,307.51 | 5/8 | 1,404.26 | 5/8 | 1,500.98 | 5/8 | 1,597.70 | 5/8 | 1,694.42 | 5/8 | 1,791.14 | 5/8 | 1,887.86 |
| 3/4 | 1,019.28 | 3/4 | 1,116.03 | 3/4 | 1,212.78 | 3/4 | 1,309.53 | 3/4 | 1,406.28 | 3/4 | 1,502.99 | 3/4 | 1,599.71 | 3/4 | 1,696.43 | 3/4 | 1,793.15 | 3/4 | 1,889.87 |
| 7/8 | 1,021.30 | 7/8 | 1,118.05 | 7/8 | 1,214.80 | 7/8 | 1,311.55 | 7/8 | 1,408.29 | 7/8 | 1,505.01 | 7/8 | 1,601.73 | 7/8 | 1,698.45 | 7/8 | 1,795.17 | 7/8 | 1,891.89 |
| 3 | 1,023.32 | 9 | 1,120.06 | 3 | 1,216.81 | 9 | 1,313.56 | 3 | 1,410.31 | 9 | 1,507.02 | 3 | 1,603.74 | 9 | 1,700.46 | 3 | 1,797.18 | 9 | 1,893.90 |
| 1/8 | 1,025.33 | 1/8 | 1,122.08 | 1/8 | 1,218.83 | 1/8 | 1,315.58 | 1/8 | 1,412.32 | 1/8 | 1,509.04 | 1/8 | 1,605.76 | 1/8 | 1,702.48 | 1/8 | 1,799.20 | 1/8 | 1,895.92 |
| 1/4 | 1,027.35 | 1/4 | 1,124.10 | 1/4 | 1,220.84 | 1/4 | 1,317.59 | 1/4 | 1,414.34 | 1/4 | 1,511.05 | 1/4 | 1,607.77 | 1/4 | 1,704.49 | 1/4 | 1,801.21 | 1/4 | 1,897.93 |
| 3/8 | 1,029.36 | 3/8 | 1,126.11 | 3/8 | 1,222.86 | 3/8 | 1,319.61 | 3/8 | 1,416.35 | 3/8 | 1,513.07 | 3/8 | 1,609.79 | 3/8 | 1,706.51 | 3/8 | 1,803.23 | 3/8 | 1,899.95 |
| 1/2 | 1,031.38 | 1/2 | 1,128.13 | 1/2 | 1,224.88 | 1/2 | 1,321.62 | 1/2 | 1,418.37 | 1/2 | 1,515.08 | 1/2 | 1,611.80 | 1/2 | 1,708.52 | 1/2 | 1,805.24 | 1/2 | 1,901.96 |
| 5/8 | 1,033.39 | 5/8 | 1,130.14 | 5/8 | 1,226.89 | 5/8 | 1,323.64 | 5/8 | 1,420.38 | 5/8 | 1,517.10 | 5/8 | 1,613.82 | 5/8 | 1,710.54 | 5/8 | 1,807.26 | 5/8 | 1,903.98 |
| 3/4 | 1,035.41 | 3/4 | 1,132.16 | 3/4 | 1,228.91 | 3/4 | 1,325.66 | 3/4 | 1,422.39 | 3/4 | 1,519.11 | 3/4 | 1,615.83 | 3/4 | 1,712.55 | 3/4 | 1,809.27 | 3/4 | 1,905.99 |
| 7/8 | 1,037.42 | 7/8 | 1,134.17 | 7/8 | 1,230.92 | 7/8 | 1,327.67 | 7/8 | 1,424.41 | 7/8 | 1,521.13 | 7/8 | 1,617.85 | 7/8 | 1,714.57 | 7/8 | 1,811.29 | 7/8 | 1,908.01 |
| 4 | 1,039.44 | 10 | 1,136.19 | 4 | 1,232.94 | 10 | 1,329.69 | 4 | 1,426.42 | 10 | 1,523.14 | 4 | 1,619.86 | 10 | 1,716.58 | 4 | 1,813.30 | 10 | 1,910.02 |
| 1/8 | 1,041.46 | 1/8 | 1,138.20 | 1/8 | 1,234.95 | 1/8 | 1,331.70 | 1/8 | 1,428.44 | 1/8 | 1,525.16 | 1/8 | 1,621.88 | 1/8 | 1,718.60 | 1/8 | 1,815.32 | 1/8 | 1,912.04 |
| 1/4 | 1,043.47 | 1/4 | 1,140.22 | 1/4 | 1,236.97 | 1/4 | 1,333.72 | 1/4 | 1,430.45 | 1/4 | 1,527.17 | 1/4 | 1,623.89 | 1/4 | 1,720.61 | 1/4 | 1,817.33 | 1/4 | 1,914.05 |
| 3/8 | 1,045.49 | 3/8 | 1,142.24 | 3/8 | 1,238.98 | 3/8 | 1,335.73 | 3/8 | 1,432.47 | 3/8 | 1,529.19 | 3/8 | 1,625.91 | 3/8 | 1,722.63 | 3/8 | 1,819.35 | 3/8 | 1,916.07 |
| 1/2 | 1,047.50 | 1/2 | 1,144.25 | 1/2 | 1,241.00 | 1/2 | 1,337.75 | 1/2 | 1,434.48 | 1/2 | 1,531.20 | 1/2 | 1,627.92 | 1/2 | 1,724.64 | 1/2 | 1,821.36 | 1/2 | 1,918.08 |
| 5/8 | 1,049.52 | 5/8 | 1,146.27 | 5/8 | 1,243.02 | 5/8 | 1,339.76 | 5/8 | 1,436.50 | 5/8 | 1,533.22 | 5/8 | 1,629.94 | 5/8 | 1,726.66 | 5/8 | 1,823.38 | 5/8 | 1,920.10 |
| 3/4 | 1,051.53 | 3/4 | 1,148.28 | 3/4 | 1,245.03 | 3/4 | 1,341.78 | 3/4 | 1,438.51 | 3/4 | 1,535.23 | 3/4 | 1,631.95 | 3/4 | 1,728.67 | 3/4 | 1,825.39 | 3/4 | 1,922.11 |
| 7/8 | 1,053.55 | 7/8 | 1,150.30 | 7/8 | 1,247.05 | 7/8 | 1,343.80 | 7/8 | 1,440.53 | 7/8 | 1,537.25 | 7/8 | 1,633.97 | 7/8 | 1,730.69 | 7/8 | 1,827.41 | 7/8 | 1,924.13 |
| 5 | 1,055.56 | 11 | 1,152.31 | 5 | 1,249.06 | 11 | 1,345.81 | 5 | 1,442.54 | 11 | 1,539.26 | 5 | 1,635.98 | 11 | 1,732.70 | 5 | 1,829.42 | 11 | 1,926.14 |
| 1/8 | 1,057.58 | 1/8 | 1,154.33 | 1/8 | 1,251.08 | 1/8 | 1,347.83 | 1/8 | 1,444.56 | 1/8 | 1,541.28 | 1/8 | 1,638.00 | 1/8 | 1,734.72 | 1/8 | 1,831.44 | 1/8 | 1,928.16 |
| 1/4 | 1,059.60 | 1/4 | 1,156.34 | 1/4 | 1,253.09 | 1/4 | 1,349.84 | 1/4 | 1,446.57 | 1/4 | 1,543.29 | 1/4 | 1,640.01 | 1/4 | 1,736.73 | 1/4 | 1,833.45 | 1/4 | 1,930.17 |
| 3/8 | 1,061.61 | 3/8 | 1,158.36 | 3/8 | 1,255.11 | 3/8 | 1,351.86 | 3/8 | 1,448.59 | 3/8 | 1,545.31 | 3/8 | 1,642.03 | 3/8 | 1,738.75 | 3/8 | 1,835.47 | 3/8 | 1,932.19 |
| 1/2 | 1,063.63 | 1/2 | 1,160.38 | 1/2 | 1,257.12 | 1/2 | 1,353.87 | 1/2 | 1,450.60 | 1/2 | 1,547.32 | 1/2 | 1,644.04 | 1/2 | 1,740.76 | 1/2 | 1,837.48 | 1/2 | 1,934.20 |
| 5/8 | 1,065.64 | 5/8 | 1,162.39 | 5/8 | 1,259.14 | 5/8 | 1,355.89 | 5/8 | 1,452.62 | 5/8 | 1,549.34 | 5/8 | 1,646.06 | 5/8 | 1,742.78 | 5/8 | 1,839.50 | 5/8 | 1,936.22 |
| 3/4 | 1,067.66 | 3/4 | 1,164.41 | 3/4 | 1,261.16 | 3/4 | 1,357.90 | 3/4 | 1,454.63 | 3/4 | 1,551.35 | 3/4 | 1,648.07 | 3/4 | 1,744.79 | 3/4 | 1,841.51 | 3/4 | 1,938.23 |
| 7/8 | 1,069.67 | 7/8 | 1,166.42 | 7/8 | 1,263.17 | 7/8 | 1,359.92 | 7/8 | 1,456.65 | 7/8 | 1,553.37 | 7/8 | 1,650.09 | 7/8 | 1,746.81 | 7/8 | 1,843.53 | 7/8 | 1,940.25 |

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# BARGE "KIRBY 27774"

## 2 STBD

### INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09 1/2"

| IN | 10 FT. | IN | 10 FT. | IN | 11 FT. | IN | 11 FT. | IN | 12 FT. | IN | 12 FT. | IN | 13 FT. | IN | 13 FT. | IN | 14 FT. | IN | 14 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 1,942.26 | 6 | 2,038.88 | 0 | 2,134.84 | 6 | 2,230.78 | 0 | 2,326.72 | 6 | 2,421.81 | 0 | | 6 | | 0 | | 6 | |
| 1/8 | 1,944.28 | 1/8 | 2,040.88 | 1/8 | 2,136.84 | 1/8 | 2,232.78 | 1/8 | 2,328.71 | 1/8 | 2,423.60 | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 1,946.29 | 1/4 | 2,042.88 | 1/4 | 2,138.84 | 1/4 | 2,234.78 | 1/4 | 2,330.71 | 1/4 | 2,425.40 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 1,948.31 | 3/8 | 2,044.88 | 3/8 | 2,140.84 | 3/8 | 2,236.77 | 3/8 | 2,332.70 | 3/8 | 2,427.19 | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 1,950.32 | 1/2 | 2,046.89 | 1/2 | 2,142.84 | 1/2 | 2,238.77 | 1/2 | 2,334.70 | 1/2 | 2,428.98 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 1,952.34 | 5/8 | 2,048.89 | 5/8 | 2,144.83 | 5/8 | 2,240.77 | 5/8 | 2,336.69 | 5/8 | 2,430.77 | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 1,954.35 | 3/4 | 2,050.89 | 3/4 | 2,146.83 | 3/4 | 2,242.77 | 3/4 | 2,338.69 | 3/4 | 2,432.56 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 1,956.37 | 7/8 | 2,052.89 | 7/8 | 2,148.83 | 7/8 | 2,244.77 | 7/8 | 2,340.68 | 7/8 | 2,434.35 | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 1 | 1,958.38 | 7 | 2,054.89 | 1 | 2,150.83 | 7 | 2,246.77 | 1 | 2,342.68 | 7 | 2,436.15 | 1 | | 7 | | 1 | | 7 | |
| 1/8 | 1,960.40 | 1/8 | 2,056.89 | 1/8 | 2,152.83 | 1/8 | 2,248.77 | 1/8 | 2,344.66 | 1/8 | 2,437.63 | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 1,962.41 | 1/4 | 2,058.89 | 1/4 | 2,154.83 | 1/4 | 2,250.76 | 1/4 | 2,346.65 | 1/4 | 2,439.11 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 1,964.43 | 3/8 | 2,060.89 | 3/8 | 2,156.83 | 3/8 | 2,252.76 | 3/8 | 2,348.64 | 3/8 | 2,440.59 | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 1,966.45 | 1/2 | 2,062.89 | 1/2 | 2,158.82 | 1/2 | 2,254.76 | 1/2 | 2,350.63 | 1/2 | 2,442.07 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 1,968.46 | 5/8 | 2,064.89 | 5/8 | 2,160.82 | 5/8 | 2,256.76 | 5/8 | 2,352.61 | 5/8 | 2,443.55 | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 1,970.48 | 3/4 | 2,066.88 | 3/4 | 2,162.82 | 3/4 | 2,258.76 | 3/4 | 2,354.60 | 3/4 | 2,445.03 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 1,972.49 | 7/8 | 2,068.88 | 7/8 | 2,164.82 | 7/8 | 2,260.76 | 7/8 | 2,356.59 | 7/8 | 2,446.51 | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 2 | 1,974.51 | 8 | 2,070.88 | 2 | 2,166.82 | 8 | 2,262.76 | 2 | 2,358.58 | 8 | 2,447.99 | 2 | | 8 | | 2 | | 8 | |
| 1/8 | 1,976.52 | 1/8 | 2,072.88 | 1/8 | 2,168.82 | 1/8 | 2,264.76 | 1/8 | 2,360.56 | 1/8 | 2,449.13 | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 1,978.54 | 1/4 | 2,074.88 | 1/4 | 2,170.82 | 1/4 | 2,266.75 | 1/4 | 2,362.54 | 1/4 | 2,450.27 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 1,980.55 | 3/8 | 2,076.88 | 3/8 | 2,172.82 | 3/8 | 2,268.75 | 3/8 | 2,364.53 | 3/8 | 2,451.42 | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 1,982.56 | 1/2 | 2,078.88 | 1/2 | 2,174.81 | 1/2 | 2,270.75 | 1/2 | 2,366.51 | 1/2 | 2,452.56 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 1,984.57 | 5/8 | 2,080.88 | 5/8 | 2,176.81 | 5/8 | 2,272.75 | 5/8 | 2,368.50 | 5/8 | 2,453.71 | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 1,986.59 | 3/4 | 2,082.87 | 3/4 | 2,178.81 | 3/4 | 2,274.75 | 3/4 | 2,370.48 | 3/4 | 2,454.85 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 1,988.60 | 7/8 | 2,084.87 | 7/8 | 2,180.81 | 7/8 | 2,276.75 | 7/8 | 2,372.46 | 7/8 | 2,456.00 | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 3 | 1,990.61 | 9 | 2,086.87 | 3 | 2,182.81 | 9 | 2,278.75 | 3 | 2,374.45 | 9 | 2,457.14 | 3 | | 9 | | 3 | | 9 | |
| 1/8 | 1,992.62 | 1/8 | 2,088.87 | 1/8 | 2,184.81 | 1/8 | 2,280.75 | 1/8 | 2,376.43 | 1/8 | 2,457.95 | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 1,994.64 | 1/4 | 2,090.87 | 1/4 | 2,186.81 | 1/4 | 2,282.74 | 1/4 | 2,378.41 | 1/4 | 2,458.76 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 1,996.65 | 3/8 | 2,092.87 | 3/8 | 2,188.81 | 3/8 | 2,284.74 | 3/8 | 2,380.40 | 3/8 | | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 1,998.66 | 1/2 | 2,094.87 | 1/2 | 2,190.80 | 1/2 | 2,286.74 | 1/2 | 2,382.38 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 2,000.67 | 5/8 | 2,096.86 | 5/8 | 2,192.80 | 5/8 | 2,288.74 | 5/8 | 2,384.36 | 5/8 | | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 2,002.69 | 3/4 | 2,098.86 | 3/4 | 2,194.80 | 3/4 | 2,290.74 | 3/4 | 2,386.35 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 2,004.70 | 7/8 | 2,100.86 | 7/8 | 2,196.80 | 7/8 | 2,292.74 | 7/8 | 2,388.33 | 7/8 | | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 4 | 2,006.71 | 10 | 2,102.86 | 4 | 2,198.80 | 10 | 2,294.74 | 4 | 2,390.31 | 10 | | 4 | | 10 | | 4 | | 10 | |
| 1/8 | 2,008.72 | 1/8 | 2,104.86 | 1/8 | 2,200.80 | 1/8 | 2,296.73 | 1/8 | 2,392.29 | 1/8 | | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 2,010.74 | 1/4 | 2,106.86 | 1/4 | 2,202.80 | 1/4 | 2,298.73 | 1/4 | 2,394.27 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 2,012.75 | 3/8 | 2,108.86 | 3/8 | 2,204.79 | 3/8 | 2,300.73 | 3/8 | 2,396.25 | 3/8 | | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 2,014.76 | 1/2 | 2,110.86 | 1/2 | 2,206.79 | 1/2 | 2,302.73 | 1/2 | 2,398.23 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 2,016.78 | 5/8 | 2,112.85 | 5/8 | 2,208.79 | 5/8 | 2,304.73 | 5/8 | 2,400.22 | 5/8 | | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 2,018.79 | 3/4 | 2,114.85 | 3/4 | 2,210.79 | 3/4 | 2,306.73 | 3/4 | 2,402.20 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 2,020.80 | 7/8 | 2,116.85 | 7/8 | 2,212.79 | 7/8 | 2,308.73 | 7/8 | 2,404.18 | 7/8 | | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 5 | 2,022.81 | 11 | 2,118.85 | 5 | 2,214.79 | 11 | 2,310.73 | 5 | 2,406.16 | 11 | | 5 | | 11 | | 5 | | 11 | |
| 1/8 | 2,024.82 | 1/8 | 2,120.85 | 1/8 | 2,216.79 | 1/8 | 2,312.72 | 1/8 | 2,408.11 | 1/8 | | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 2,026.83 | 1/4 | 2,122.85 | 1/4 | 2,218.79 | 1/4 | 2,314.72 | 1/4 | 2,410.07 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 2,028.84 | 3/8 | 2,124.85 | 3/8 | 2,220.78 | 3/8 | 2,316.72 | 3/8 | 2,412.03 | 3/8 | | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 2,030.85 | 1/2 | 2,126.85 | 1/2 | 2,222.78 | 1/2 | 2,318.72 | 1/2 | 2,413.98 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 2,032.86 | 5/8 | 2,128.84 | 5/8 | 2,224.78 | 5/8 | 2,320.72 | 5/8 | 2,415.94 | 5/8 | | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 2,034.86 | 3/4 | 2,130.84 | 3/4 | 2,226.78 | 3/4 | 2,322.72 | 3/4 | 2,417.90 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 2,036.87 | 7/8 | 2,132.84 | 7/8 | 2,228.78 | 7/8 | 2,324.72 | 7/8 | 2,419.86 | 7/8 | | 7/8 | | 7/8 | | 7/8 | | 7/8 | |

STRAPPED: 09/17/2009 CL - SW
RECALCULATED: 12/04/2009 CL
REPRINTED: 12/09/2009 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2009

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

# BARGE "KIRBY 27774"

## 3 PORT

### INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09 1/2"

| IN | 0 FT. | IN | 0 FT. | IN | 1 FT. | IN | 1 FT. | IN | 2 FT. | IN | 2 FT. | IN | 3 FT. | IN | 3 FT. | IN | 4 FT. | IN | 4 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 15.36 | 6 | 119.00 | 0 | 225.51 | 6 | 332.67 | 0 | 443.20 | 6 | 553.73 | 0 | 664.26 | 6 | 774.78 | 0 | 885.31 | 6 | 995.84 |
| 1/8 | 17.08 | 1/8 | 121.22 | 1/8 | 227.72 | 1/8 | 334.97 | 1/8 | 445.50 | 1/8 | 556.03 | 1/8 | 666.56 | 1/8 | 777.09 | 1/8 | 887.62 | 1/8 | 998.15 |
| 1/4 | 18.81 | 1/4 | 123.44 | 1/4 | 229.94 | 1/4 | 337.27 | 1/4 | 447.80 | 1/4 | 558.33 | 1/4 | 668.86 | 1/4 | 779.39 | 1/4 | 889.92 | 1/4 | 1,000.45 |
| 3/8 | 20.54 | 3/8 | 125.67 | 3/8 | 232.16 | 3/8 | 339.57 | 3/8 | 450.10 | 3/8 | 560.63 | 3/8 | 671.16 | 3/8 | 781.69 | 3/8 | 892.22 | 3/8 | 1,002.75 |
| 1/2 | 22.26 | 1/2 | 127.89 | 1/2 | 234.38 | 1/2 | 341.88 | 1/2 | 452.41 | 1/2 | 562.94 | 1/2 | 673.47 | 1/2 | 784.00 | 1/2 | 894.53 | 1/2 | 1,005.05 |
| 5/8 | 23.99 | 5/8 | 130.11 | 5/8 | 236.59 | 5/8 | 344.18 | 5/8 | 454.71 | 5/8 | 565.24 | 5/8 | 675.77 | 5/8 | 786.30 | 5/8 | 896.83 | 5/8 | 1,007.36 |
| 3/4 | 25.71 | 3/4 | 132.33 | 3/4 | 238.81 | 3/4 | 346.48 | 3/4 | 457.01 | 3/4 | 567.54 | 3/4 | 678.07 | 3/4 | 788.60 | 3/4 | 899.13 | 3/4 | 1,009.66 |
| 7/8 | 27.44 | 7/8 | 134.55 | 7/8 | 241.03 | 7/8 | 348.79 | 7/8 | 459.32 | 7/8 | 569.84 | 7/8 | 680.37 | 7/8 | 790.90 | 7/8 | 901.43 | 7/8 | 1,011.96 |
| 1 | 29.17 | 7 | 136.77 | 1 | 243.25 | 7 | 351.09 | 1 | 461.62 | 7 | 572.15 | 1 | 682.68 | 7 | 793.21 | 1 | 903.74 | 7 | 1,014.27 |
| 1/8 | 31.31 | 1/8 | 138.99 | 1/8 | 245.46 | 1/8 | 353.39 | 1/8 | 463.92 | 1/8 | 574.45 | 1/8 | 684.98 | 1/8 | 795.51 | 1/8 | 906.04 | 1/8 | 1,016.57 |
| 1/4 | 33.45 | 1/4 | 141.21 | 1/4 | 247.68 | 1/4 | 355.69 | 1/4 | 466.22 | 1/4 | 576.75 | 1/4 | 687.28 | 1/4 | 797.81 | 1/4 | 908.34 | 1/4 | 1,018.87 |
| 3/8 | 35.60 | 3/8 | 143.44 | 3/8 | 249.90 | 3/8 | 358.00 | 3/8 | 468.53 | 3/8 | 579.06 | 3/8 | 689.58 | 3/8 | 800.11 | 3/8 | 910.64 | 3/8 | 1,021.17 |
| 1/2 | 37.74 | 1/2 | 145.66 | 1/2 | 252.12 | 1/2 | 360.30 | 1/2 | 470.83 | 1/2 | 581.36 | 1/2 | 691.89 | 1/2 | 802.42 | 1/2 | 912.95 | 1/2 | 1,023.48 |
| 5/8 | 39.88 | 5/8 | 147.88 | 5/8 | 254.33 | 5/8 | 362.60 | 5/8 | 473.13 | 5/8 | 583.66 | 5/8 | 694.19 | 5/8 | 804.72 | 5/8 | 915.25 | 5/8 | 1,025.78 |
| 3/4 | 42.03 | 3/4 | 150.10 | 3/4 | 256.55 | 3/4 | 364.90 | 3/4 | 475.43 | 3/4 | 585.96 | 3/4 | 696.49 | 3/4 | 807.02 | 3/4 | 917.55 | 3/4 | 1,028.08 |
| 7/8 | 44.17 | 7/8 | 152.32 | 7/8 | 258.77 | 7/8 | 367.21 | 7/8 | 477.74 | 7/8 | 588.27 | 7/8 | 698.80 | 7/8 | 809.33 | 7/8 | 919.85 | 7/8 | 1,030.38 |
| 2 | 46.31 | 8 | 154.54 | 2 | 260.99 | 8 | 369.51 | 2 | 480.04 | 8 | 590.57 | 2 | 701.10 | 8 | 811.63 | 2 | 922.16 | 8 | 1,032.69 |
| 1/8 | 48.59 | 1/8 | 156.76 | 1/8 | 263.20 | 1/8 | 371.81 | 1/8 | 482.34 | 1/8 | 592.87 | 1/8 | 703.40 | 1/8 | 813.93 | 1/8 | 924.46 | 1/8 | 1,034.99 |
| 1/4 | 50.87 | 1/4 | 158.98 | 1/4 | 265.42 | 1/4 | 374.12 | 1/4 | 484.64 | 1/4 | 595.17 | 1/4 | 705.70 | 1/4 | 816.23 | 1/4 | 926.76 | 1/4 | 1,037.29 |
| 3/8 | 53.16 | 3/8 | 161.20 | 3/8 | 267.64 | 3/8 | 376.42 | 3/8 | 486.95 | 3/8 | 597.48 | 3/8 | 708.01 | 3/8 | 818.54 | 3/8 | 929.07 | 3/8 | 1,039.60 |
| 1/2 | 55.44 | 1/2 | 163.41 | 1/2 | 269.86 | 1/2 | 378.72 | 1/2 | 489.25 | 1/2 | 599.78 | 1/2 | 710.31 | 1/2 | 820.84 | 1/2 | 931.37 | 1/2 | 1,041.90 |
| 5/8 | 57.72 | 5/8 | 165.63 | 5/8 | 272.07 | 5/8 | 381.02 | 5/8 | 491.55 | 5/8 | 602.08 | 5/8 | 712.61 | 5/8 | 823.14 | 5/8 | 933.67 | 5/8 | 1,044.20 |
| 3/4 | 60.00 | 3/4 | 167.85 | 3/4 | 274.29 | 3/4 | 383.33 | 3/4 | 493.86 | 3/4 | 604.39 | 3/4 | 714.91 | 3/4 | 825.44 | 3/4 | 935.97 | 3/4 | 1,046.50 |
| 7/8 | 62.28 | 7/8 | 170.07 | 7/8 | 276.51 | 7/8 | 385.63 | 7/8 | 496.16 | 7/8 | 606.69 | 7/8 | 717.22 | 7/8 | 827.75 | 7/8 | 938.28 | 7/8 | 1,048.81 |
| 3 | 64.56 | 9 | 172.29 | 3 | 278.72 | 9 | 387.93 | 3 | 498.46 | 9 | 608.99 | 3 | 719.52 | 9 | 830.05 | 3 | 940.58 | 9 | 1,051.11 |
| 1/8 | 66.85 | 1/8 | 174.51 | 1/8 | 280.94 | 1/8 | 390.23 | 1/8 | 500.76 | 1/8 | 611.29 | 1/8 | 721.82 | 1/8 | 832.35 | 1/8 | 942.88 | 1/8 | 1,053.41 |
| 1/4 | 69.14 | 1/4 | 176.72 | 1/4 | 283.16 | 1/4 | 392.54 | 1/4 | 503.07 | 1/4 | 613.60 | 1/4 | 724.13 | 1/4 | 834.66 | 1/4 | 945.18 | 1/4 | 1,055.71 |
| 3/8 | 71.43 | 3/8 | 178.94 | 3/8 | 285.38 | 3/8 | 394.84 | 3/8 | 505.37 | 3/8 | 615.90 | 3/8 | 726.43 | 3/8 | 836.96 | 3/8 | 947.49 | 3/8 | 1,058.02 |
| 1/2 | 73.72 | 1/2 | 181.16 | 1/2 | 287.60 | 1/2 | 397.14 | 1/2 | 507.67 | 1/2 | 618.20 | 1/2 | 728.73 | 1/2 | 839.26 | 1/2 | 949.79 | 1/2 | 1,060.32 |
| 5/8 | 76.01 | 5/8 | 183.38 | 5/8 | 289.82 | 5/8 | 399.44 | 5/8 | 509.97 | 5/8 | 620.50 | 5/8 | 731.03 | 5/8 | 841.56 | 5/8 | 952.09 | 5/8 | 1,062.62 |
| 3/4 | 78.30 | 3/4 | 185.59 | 3/4 | 292.04 | 3/4 | 401.75 | 3/4 | 512.28 | 3/4 | 622.81 | 3/4 | 733.34 | 3/4 | 843.87 | 3/4 | 954.40 | 3/4 | 1,064.93 |
| 7/8 | 80.59 | 7/8 | 187.81 | 7/8 | 294.26 | 7/8 | 404.05 | 7/8 | 514.58 | 7/8 | 625.11 | 7/8 | 735.64 | 7/8 | 846.17 | 7/8 | 956.70 | 7/8 | 1,067.23 |
| 4 | 82.88 | 10 | 190.03 | 4 | 296.48 | 10 | 406.35 | 4 | 516.88 | 10 | 627.41 | 4 | 737.94 | 10 | 848.47 | 4 | 959.00 | 10 | 1,069.53 |
| 1/8 | 85.15 | 1/8 | 192.25 | 1/8 | 298.72 | 1/8 | 408.66 | 1/8 | 519.19 | 1/8 | 629.71 | 1/8 | 740.24 | 1/8 | 850.77 | 1/8 | 961.30 | 1/8 | 1,071.83 |
| 1/4 | 87.43 | 1/4 | 194.46 | 1/4 | 300.96 | 1/4 | 410.96 | 1/4 | 521.49 | 1/4 | 632.02 | 1/4 | 742.55 | 1/4 | 853.08 | 1/4 | 963.61 | 1/4 | 1,074.14 |
| 3/8 | 89.71 | 3/8 | 196.68 | 3/8 | 303.20 | 3/8 | 413.26 | 3/8 | 523.79 | 3/8 | 634.32 | 3/8 | 744.85 | 3/8 | 855.38 | 3/8 | 965.91 | 3/8 | 1,076.44 |
| 1/2 | 91.98 | 1/2 | 198.90 | 1/2 | 305.44 | 1/2 | 415.56 | 1/2 | 526.09 | 1/2 | 636.62 | 1/2 | 747.15 | 1/2 | 857.68 | 1/2 | 968.21 | 1/2 | 1,078.74 |
| 5/8 | 94.26 | 5/8 | 201.12 | 5/8 | 307.68 | 5/8 | 417.87 | 5/8 | 528.40 | 5/8 | 638.93 | 5/8 | 749.46 | 5/8 | 859.98 | 5/8 | 970.51 | 5/8 | 1,081.04 |
| 3/4 | 96.53 | 3/4 | 203.33 | 3/4 | 309.92 | 3/4 | 420.17 | 3/4 | 530.70 | 3/4 | 641.23 | 3/4 | 751.76 | 3/4 | 862.29 | 3/4 | 972.82 | 3/4 | 1,083.35 |
| 7/8 | 98.81 | 7/8 | 205.55 | 7/8 | 312.16 | 7/8 | 422.47 | 7/8 | 533.00 | 7/8 | 643.53 | 7/8 | 754.06 | 7/8 | 864.59 | 7/8 | 975.12 | 7/8 | 1,085.65 |
| 5 | 101.08 | 11 | 207.77 | 5 | 314.40 | 11 | 424.77 | 5 | 535.30 | 11 | 645.83 | 5 | 756.36 | 11 | 866.89 | 5 | 977.42 | 11 | 1,087.95 |
| 1/8 | 103.32 | 1/8 | 209.99 | 1/8 | 316.69 | 1/8 | 427.08 | 1/8 | 537.61 | 1/8 | 648.14 | 1/8 | 758.67 | 1/8 | 869.20 | 1/8 | 979.73 | 1/8 | 1,090.25 |
| 1/4 | 105.56 | 1/4 | 212.20 | 1/4 | 318.97 | 1/4 | 429.38 | 1/4 | 539.91 | 1/4 | 650.44 | 1/4 | 760.97 | 1/4 | 871.50 | 1/4 | 982.03 | 1/4 | 1,092.56 |
| 3/8 | 107.80 | 3/8 | 214.42 | 3/8 | 321.25 | 3/8 | 431.68 | 3/8 | 542.21 | 3/8 | 652.74 | 3/8 | 763.27 | 3/8 | 873.80 | 3/8 | 984.33 | 3/8 | 1,094.86 |
| 1/2 | 110.04 | 1/2 | 216.64 | 1/2 | 323.54 | 1/2 | 433.99 | 1/2 | 544.51 | 1/2 | 655.04 | 1/2 | 765.57 | 1/2 | 876.10 | 1/2 | 986.63 | 1/2 | 1,097.16 |
| 5/8 | 112.28 | 5/8 | 218.86 | 5/8 | 325.82 | 5/8 | 436.29 | 5/8 | 546.82 | 5/8 | 657.35 | 5/8 | 767.88 | 5/8 | 878.41 | 5/8 | 988.94 | 5/8 | 1,099.47 |
| 3/4 | 114.52 | 3/4 | 221.07 | 3/4 | 328.10 | 3/4 | 438.59 | 3/4 | 549.12 | 3/4 | 659.65 | 3/4 | 770.18 | 3/4 | 880.71 | 3/4 | 991.24 | 3/4 | 1,101.77 |
| 7/8 | 116.76 | 7/8 | 223.29 | 7/8 | 330.38 | 7/8 | 440.89 | 7/8 | 551.42 | 7/8 | 661.95 | 7/8 | 772.48 | 7/8 | 883.01 | 7/8 | 993.54 | 7/8 | 1,104.07 |

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE

GAUGE POINT: (MANUAL) LOCATED 10'-10" OFF CENTERLINE AND 27'-10" FORWARD OF AFT BULKHEAD

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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http://www.pmacorp.net

# BARGE "KIRBY 27774"

## 3 PORT

### INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09 1/2"

| IN | 5 FT. | IN | 5 FT. | IN | 6 FT. | IN | 6 FT. | IN | 7 FT. | IN | 7 FT. | IN | 8 FT. | IN | 8 FT. | IN | 9 FT. | IN | 9 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 1,106.37 | 6 | 1,216.90 | 0 | 1,327.43 | 6 | 1,437.96 | 0 | 1,548.49 | 6 | 1,659.03 | 0 | 1,769.53 | 6 | 1,880.03 | 0 | 1,990.53 | 6 | 2,101.03 |
| 1/8 | 1,108.68 | 1/8 | 1,219.21 | 1/8 | 1,329.74 | 1/8 | 1,440.27 | 1/8 | 1,550.79 | 1/8 | 1,661.33 | 1/8 | 1,771.83 | 1/8 | 1,882.33 | 1/8 | 1,992.84 | 1/8 | 2,103.34 |
| 1/4 | 1,110.98 | 1/4 | 1,221.51 | 1/4 | 1,332.04 | 1/4 | 1,442.57 | 1/4 | 1,553.10 | 1/4 | 1,663.63 | 1/4 | 1,774.14 | 1/4 | 1,884.64 | 1/4 | 1,995.14 | 1/4 | 2,105.64 |
| 3/8 | 1,113.28 | 3/8 | 1,223.81 | 3/8 | 1,334.34 | 3/8 | 1,444.87 | 3/8 | 1,555.40 | 3/8 | 1,665.94 | 3/8 | 1,776.44 | 3/8 | 1,886.94 | 3/8 | 1,997.44 | 3/8 | 2,107.94 |
| 1/2 | 1,115.58 | 1/2 | 1,226.11 | 1/2 | 1,336.64 | 1/2 | 1,447.17 | 1/2 | 1,557.70 | 1/2 | 1,668.24 | 1/2 | 1,778.74 | 1/2 | 1,889.24 | 1/2 | 1,999.74 | 1/2 | 2,110.24 |
| 5/8 | 1,117.89 | 5/8 | 1,228.42 | 5/8 | 1,338.95 | 5/8 | 1,449.48 | 5/8 | 1,560.01 | 5/8 | 1,670.54 | 5/8 | 1,781.04 | 5/8 | 1,891.54 | 5/8 | 2,002.04 | 5/8 | 2,112.54 |
| 3/4 | 1,120.19 | 3/4 | 1,230.72 | 3/4 | 1,341.25 | 3/4 | 1,451.78 | 3/4 | 1,562.31 | 3/4 | 1,672.84 | 3/4 | 1,783.34 | 3/4 | 1,893.84 | 3/4 | 2,004.35 | 3/4 | 2,114.85 |
| 7/8 | 1,122.49 | 7/8 | 1,233.02 | 7/8 | 1,343.55 | 7/8 | 1,454.08 | 7/8 | 1,564.61 | 7/8 | 1,675.15 | 7/8 | 1,785.65 | 7/8 | 1,896.15 | 7/8 | 2,006.65 | 7/8 | 2,117.15 |
| 1 | 1,124.80 | 7 | 1,235.32 | 1 | 1,345.85 | 7 | 1,456.38 | 1 | 1,566.91 | 7 | 1,677.45 | 1 | 1,787.95 | 7 | 1,898.45 | 1 | 2,008.95 | 7 | 2,119.45 |
| 1/8 | 1,127.10 | 1/8 | 1,237.63 | 1/8 | 1,348.16 | 1/8 | 1,458.69 | 1/8 | 1,569.22 | 1/8 | 1,679.75 | 1/8 | 1,790.25 | 1/8 | 1,900.75 | 1/8 | 2,011.25 | 1/8 | 2,121.75 |
| 1/4 | 1,129.40 | 1/4 | 1,239.93 | 1/4 | 1,350.46 | 1/4 | 1,460.99 | 1/4 | 1,571.52 | 1/4 | 1,682.05 | 1/4 | 1,792.55 | 1/4 | 1,903.05 | 1/4 | 2,013.55 | 1/4 | 2,124.05 |
| 3/8 | 1,131.70 | 3/8 | 1,242.23 | 3/8 | 1,352.76 | 3/8 | 1,463.29 | 3/8 | 1,573.82 | 3/8 | 1,684.35 | 3/8 | 1,794.85 | 3/8 | 1,905.36 | 3/8 | 2,015.86 | 3/8 | 2,126.36 |
| 1/2 | 1,134.01 | 1/2 | 1,244.54 | 1/2 | 1,355.07 | 1/2 | 1,465.59 | 1/2 | 1,576.12 | 1/2 | 1,686.66 | 1/2 | 1,797.16 | 1/2 | 1,907.66 | 1/2 | 2,018.16 | 1/2 | 2,128.66 |
| 5/8 | 1,136.31 | 5/8 | 1,246.84 | 5/8 | 1,357.37 | 5/8 | 1,467.90 | 5/8 | 1,578.43 | 5/8 | 1,688.96 | 5/8 | 1,799.46 | 5/8 | 1,909.96 | 5/8 | 2,020.46 | 5/8 | 2,130.96 |
| 3/4 | 1,138.61 | 3/4 | 1,249.14 | 3/4 | 1,359.67 | 3/4 | 1,470.20 | 3/4 | 1,580.73 | 3/4 | 1,691.26 | 3/4 | 1,801.76 | 3/4 | 1,912.26 | 3/4 | 2,022.76 | 3/4 | 2,133.26 |
| 7/8 | 1,140.91 | 7/8 | 1,251.44 | 7/8 | 1,361.97 | 7/8 | 1,472.50 | 7/8 | 1,583.03 | 7/8 | 1,693.56 | 7/8 | 1,804.06 | 7/8 | 1,914.56 | 7/8 | 2,025.06 | 7/8 | 2,135.57 |
| 2 | 1,143.22 | 8 | 1,253.75 | 2 | 1,364.28 | 8 | 1,474.81 | 2 | 1,585.34 | 8 | 1,695.86 | 2 | 1,806.36 | 8 | 1,916.87 | 2 | 2,027.37 | 8 | 2,137.87 |
| 1/8 | 1,145.52 | 1/8 | 1,256.05 | 1/8 | 1,366.58 | 1/8 | 1,477.11 | 1/8 | 1,587.64 | 1/8 | 1,698.17 | 1/8 | 1,808.67 | 1/8 | 1,919.17 | 1/8 | 2,029.67 | 1/8 | 2,140.17 |
| 1/4 | 1,147.82 | 1/4 | 1,258.35 | 1/4 | 1,368.88 | 1/4 | 1,479.41 | 1/4 | 1,589.94 | 1/4 | 1,700.47 | 1/4 | 1,810.97 | 1/4 | 1,921.47 | 1/4 | 2,031.97 | 1/4 | 2,142.47 |
| 3/8 | 1,150.12 | 3/8 | 1,260.65 | 3/8 | 1,371.18 | 3/8 | 1,481.71 | 3/8 | 1,592.24 | 3/8 | 1,702.77 | 3/8 | 1,813.27 | 3/8 | 1,923.77 | 3/8 | 2,034.27 | 3/8 | 2,144.77 |
| 1/2 | 1,152.43 | 1/2 | 1,262.96 | 1/2 | 1,373.49 | 1/2 | 1,484.02 | 1/2 | 1,594.55 | 1/2 | 1,705.07 | 1/2 | 1,815.57 | 1/2 | 1,926.07 | 1/2 | 2,036.57 | 1/2 | 2,147.08 |
| 5/8 | 1,154.73 | 5/8 | 1,265.26 | 5/8 | 1,375.79 | 5/8 | 1,486.32 | 5/8 | 1,596.85 | 5/8 | 1,707.37 | 5/8 | 1,817.88 | 5/8 | 1,928.38 | 5/8 | 2,038.88 | 5/8 | 2,149.38 |
| 3/4 | 1,157.03 | 3/4 | 1,267.56 | 3/4 | 1,378.09 | 3/4 | 1,488.62 | 3/4 | 1,599.15 | 3/4 | 1,709.68 | 3/4 | 1,820.18 | 3/4 | 1,930.68 | 3/4 | 2,041.18 | 3/4 | 2,151.68 |
| 7/8 | 1,159.34 | 7/8 | 1,269.87 | 7/8 | 1,380.39 | 7/8 | 1,490.92 | 7/8 | 1,601.45 | 7/8 | 1,711.98 | 7/8 | 1,822.48 | 7/8 | 1,932.98 | 7/8 | 2,043.48 | 7/8 | 2,153.98 |
| 3 | 1,161.64 | 9 | 1,272.17 | 3 | 1,382.70 | 9 | 1,493.23 | 3 | 1,603.76 | 9 | 1,714.28 | 3 | 1,824.78 | 9 | 1,935.28 | 3 | 2,045.78 | 9 | 2,156.28 |
| 1/8 | 1,163.94 | 1/8 | 1,274.47 | 1/8 | 1,385.00 | 1/8 | 1,495.53 | 1/8 | 1,606.06 | 1/8 | 1,716.58 | 1/8 | 1,827.08 | 1/8 | 1,937.58 | 1/8 | 2,048.09 | 1/8 | 2,158.59 |
| 1/4 | 1,166.24 | 1/4 | 1,276.77 | 1/4 | 1,387.30 | 1/4 | 1,497.83 | 1/4 | 1,608.37 | 1/4 | 1,718.89 | 1/4 | 1,829.39 | 1/4 | 1,939.89 | 1/4 | 2,050.39 | 1/4 | 2,160.89 |
| 3/8 | 1,168.55 | 3/8 | 1,279.08 | 3/8 | 1,389.61 | 3/8 | 1,500.14 | 3/8 | 1,610.67 | 3/8 | 1,721.19 | 3/8 | 1,831.69 | 3/8 | 1,942.19 | 3/8 | 2,052.69 | 3/8 | 2,163.19 |
| 1/2 | 1,170.85 | 1/2 | 1,281.38 | 1/2 | 1,391.91 | 1/2 | 1,502.44 | 1/2 | 1,612.98 | 1/2 | 1,723.49 | 1/2 | 1,833.99 | 1/2 | 1,944.49 | 1/2 | 2,054.99 | 1/2 | 2,165.49 |
| 5/8 | 1,173.15 | 5/8 | 1,283.68 | 5/8 | 1,394.21 | 5/8 | 1,504.74 | 5/8 | 1,615.28 | 5/8 | 1,725.79 | 5/8 | 1,836.29 | 5/8 | 1,946.79 | 5/8 | 2,057.29 | 5/8 | 2,167.79 |
| 3/4 | 1,175.45 | 3/4 | 1,285.98 | 3/4 | 1,396.51 | 3/4 | 1,507.04 | 3/4 | 1,617.59 | 3/4 | 1,728.09 | 3/4 | 1,838.59 | 3/4 | 1,949.10 | 3/4 | 2,059.60 | 3/4 | 2,170.10 |
| 7/8 | 1,177.76 | 7/8 | 1,288.29 | 7/8 | 1,398.82 | 7/8 | 1,509.35 | 7/8 | 1,619.89 | 7/8 | 1,730.40 | 7/8 | 1,840.90 | 7/8 | 1,951.40 | 7/8 | 2,061.90 | 7/8 | 2,172.40 |
| 4 | 1,180.06 | 10 | 1,290.59 | 4 | 1,401.12 | 10 | 1,511.65 | 4 | 1,622.20 | 10 | 1,732.70 | 4 | 1,843.20 | 10 | 1,953.70 | 4 | 2,064.20 | 10 | 2,174.70 |
| 1/8 | 1,182.36 | 1/8 | 1,292.89 | 1/8 | 1,403.42 | 1/8 | 1,513.95 | 1/8 | 1,624.50 | 1/8 | 1,735.00 | 1/8 | 1,845.50 | 1/8 | 1,956.00 | 1/8 | 2,066.50 | 1/8 | 2,177.00 |
| 1/4 | 1,184.67 | 1/4 | 1,295.20 | 1/4 | 1,405.72 | 1/4 | 1,516.25 | 1/4 | 1,626.80 | 1/4 | 1,737.30 | 1/4 | 1,847.80 | 1/4 | 1,958.30 | 1/4 | 2,068.80 | 1/4 | 2,179.31 |
| 3/8 | 1,186.97 | 3/8 | 1,297.50 | 3/8 | 1,408.03 | 3/8 | 1,518.56 | 3/8 | 1,629.10 | 3/8 | 1,739.60 | 3/8 | 1,850.10 | 3/8 | 1,960.61 | 3/8 | 2,071.11 | 3/8 | 2,181.61 |
| 1/2 | 1,189.27 | 1/2 | 1,299.80 | 1/2 | 1,410.33 | 1/2 | 1,520.86 | 1/2 | 1,631.41 | 1/2 | 1,741.91 | 1/2 | 1,852.41 | 1/2 | 1,962.91 | 1/2 | 2,073.41 | 1/2 | 2,183.91 |
| 5/8 | 1,191.57 | 5/8 | 1,302.10 | 5/8 | 1,412.63 | 5/8 | 1,523.16 | 5/8 | 1,633.71 | 5/8 | 1,744.21 | 5/8 | 1,854.71 | 5/8 | 1,965.21 | 5/8 | 2,075.71 | 5/8 | 2,186.21 |
| 3/4 | 1,193.88 | 3/4 | 1,304.41 | 3/4 | 1,414.94 | 3/4 | 1,525.47 | 3/4 | 1,636.01 | 3/4 | 1,746.51 | 3/4 | 1,857.01 | 3/4 | 1,967.51 | 3/4 | 2,078.01 | 3/4 | 2,188.51 |
| 7/8 | 1,196.18 | 7/8 | 1,306.71 | 7/8 | 1,417.24 | 7/8 | 1,527.77 | 7/8 | 1,638.31 | 7/8 | 1,748.81 | 7/8 | 1,859.31 | 7/8 | 1,969.81 | 7/8 | 2,080.31 | 7/8 | 2,190.82 |
| 5 | 1,198.48 | 11 | 1,309.01 | 5 | 1,419.54 | 11 | 1,530.07 | 5 | 1,640.61 | 11 | 1,751.11 | 5 | 1,861.62 | 11 | 1,972.12 | 5 | 2,082.62 | 11 | 2,193.12 |
| 1/8 | 1,200.78 | 1/8 | 1,311.31 | 1/8 | 1,421.84 | 1/8 | 1,532.37 | 1/8 | 1,642.92 | 1/8 | 1,753.42 | 1/8 | 1,863.92 | 1/8 | 1,974.42 | 1/8 | 2,084.92 | 1/8 | 2,195.42 |
| 1/4 | 1,203.09 | 1/4 | 1,313.62 | 1/4 | 1,424.15 | 1/4 | 1,534.68 | 1/4 | 1,645.22 | 1/4 | 1,755.72 | 1/4 | 1,866.22 | 1/4 | 1,976.72 | 1/4 | 2,087.22 | 1/4 | 2,197.72 |
| 3/8 | 1,205.39 | 3/8 | 1,315.92 | 3/8 | 1,426.45 | 3/8 | 1,536.98 | 3/8 | 1,647.52 | 3/8 | 1,758.02 | 3/8 | 1,868.52 | 3/8 | 1,979.02 | 3/8 | 2,089.52 | 3/8 | 2,200.02 |
| 1/2 | 1,207.69 | 1/2 | 1,318.22 | 1/2 | 1,428.75 | 1/2 | 1,539.28 | 1/2 | 1,649.82 | 1/2 | 1,760.32 | 1/2 | 1,870.82 | 1/2 | 1,981.32 | 1/2 | 2,091.83 | 1/2 | 2,202.33 |
| 5/8 | 1,210.00 | 5/8 | 1,320.52 | 5/8 | 1,431.05 | 5/8 | 1,541.58 | 5/8 | 1,652.12 | 5/8 | 1,762.62 | 5/8 | 1,873.13 | 5/8 | 1,983.63 | 5/8 | 2,094.13 | 5/8 | 2,204.63 |
| 3/4 | 1,212.30 | 3/4 | 1,322.83 | 3/4 | 1,433.36 | 3/4 | 1,543.89 | 3/4 | 1,654.43 | 3/4 | 1,764.93 | 3/4 | 1,875.43 | 3/4 | 1,985.93 | 3/4 | 2,096.43 | 3/4 | 2,206.93 |
| 7/8 | 1,214.60 | 7/8 | 1,325.13 | 7/8 | 1,435.66 | 7/8 | 1,546.19 | 7/8 | 1,656.73 | 7/8 | 1,767.23 | 7/8 | 1,877.73 | 7/8 | 1,988.23 | 7/8 | 2,098.73 | 7/8 | 2,209.23 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.


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

# BARGE "KIRBY 27774"

## 3 PORT

### INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09 1/2"

| IN | 10 FT. | IN | 10 FT. | IN | 11 FT. | IN | 11 FT. | IN | 12 FT. | IN | 12 FT. | IN | 13 FT. | IN | 13 FT. | IN | 14 FT. | IN | 14 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2,211.53 | 6 | 2,321.93 | 0 | 2,431.54 | 6 | 2,541.12 | 0 | 2,650.71 | 6 | 2,759.42 | 0 | | 6 | | 0 | | 6 | |
| 1/8 | 2,213.84 | 1/8 | 2,324.21 | 1/8 | 2,433.82 | 1/8 | 2,543.41 | 1/8 | 2,652.99 | 1/8 | 2,761.47 | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 2,216.14 | 1/4 | 2,326.50 | 1/4 | 2,436.10 | 1/4 | 2,545.69 | 1/4 | 2,655.27 | 1/4 | 2,763.52 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 2,218.44 | 3/8 | 2,328.79 | 3/8 | 2,438.39 | 3/8 | 2,547.97 | 3/8 | 2,657.55 | 3/8 | 2,765.57 | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 2,220.74 | 1/2 | 2,331.07 | 1/2 | 2,440.67 | 1/2 | 2,550.25 | 1/2 | 2,659.83 | 1/2 | 2,767.62 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 2,223.04 | 5/8 | 2,333.36 | 5/8 | 2,442.95 | 5/8 | 2,552.54 | 5/8 | 2,662.11 | 5/8 | 2,769.67 | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 2,225.35 | 3/4 | 2,335.65 | 3/4 | 2,445.24 | 3/4 | 2,554.82 | 3/4 | 2,664.39 | 3/4 | 2,771.71 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 2,227.65 | 7/8 | 2,337.93 | 7/8 | 2,447.52 | 7/8 | 2,557.10 | 7/8 | 2,666.67 | 7/8 | 2,773.76 | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 1 | 2,229.95 | 7 | 2,340.22 | 1 | 2,449.80 | 7 | 2,559.39 | 1 | 2,668.95 | 7 | 2,775.81 | 1 | | 7 | | 1 | | 7 | |
| 1/8 | 2,232.25 | 1/8 | 2,342.50 | 1/8 | 2,452.09 | 1/8 | 2,561.67 | 1/8 | 2,671.22 | 1/8 | 2,777.50 | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 2,234.56 | 1/4 | 2,344.78 | 1/4 | 2,454.37 | 1/4 | 2,563.95 | 1/4 | 2,673.49 | 1/4 | 2,779.20 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 2,236.86 | 3/8 | 2,347.07 | 3/8 | 2,456.65 | 3/8 | 2,566.24 | 3/8 | 2,675.76 | 3/8 | 2,780.89 | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 2,239.16 | 1/2 | 2,349.35 | 1/2 | 2,458.93 | 1/2 | 2,568.52 | 1/2 | 2,678.04 | 1/2 | 2,782.58 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 2,241.46 | 5/8 | 2,351.63 | 5/8 | 2,461.22 | 5/8 | 2,570.80 | 5/8 | 2,680.31 | 5/8 | 2,784.28 | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 2,243.77 | 3/4 | 2,353.92 | 3/4 | 2,463.50 | 3/4 | 2,573.08 | 3/4 | 2,682.58 | 3/4 | 2,785.97 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 2,246.07 | 7/8 | 2,356.20 | 7/8 | 2,465.78 | 7/8 | 2,575.37 | 7/8 | 2,684.85 | 7/8 | 2,787.66 | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 2 | 2,248.37 | 8 | 2,358.48 | 2 | 2,468.07 | 8 | 2,577.65 | 2 | 2,687.12 | 8 | 2,789.35 | 2 | | 8 | | 2 | | 8 | |
| 1/8 | 2,250.67 | 1/8 | 2,360.77 | 1/8 | 2,470.35 | 1/8 | 2,579.93 | 1/8 | 2,689.39 | 1/8 | 2,790.66 | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 2,252.97 | 1/4 | 2,363.05 | 1/4 | 2,472.63 | 1/4 | 2,582.22 | 1/4 | 2,691.66 | 1/4 | 2,791.97 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 2,255.27 | 3/8 | 2,365.33 | 3/8 | 2,474.92 | 3/8 | 2,584.50 | 3/8 | 2,693.93 | 3/8 | 2,793.28 | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 2,257.57 | 1/2 | 2,367.61 | 1/2 | 2,477.20 | 1/2 | 2,586.78 | 1/2 | 2,696.20 | 1/2 | 2,794.59 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 2,259.87 | 5/8 | 2,369.90 | 5/8 | 2,479.48 | 5/8 | 2,589.07 | 5/8 | 2,698.47 | 5/8 | 2,795.90 | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 2,262.17 | 3/4 | 2,372.18 | 3/4 | 2,481.76 | 3/4 | 2,591.35 | 3/4 | 2,700.73 | 3/4 | 2,797.21 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 2,264.47 | 7/8 | 2,374.46 | 7/8 | 2,484.05 | 7/8 | 2,593.63 | 7/8 | 2,703.00 | 7/8 | 2,798.52 | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 3 | 2,266.77 | 9 | 2,376.75 | 3 | 2,486.33 | 9 | 2,595.91 | 3 | 2,705.27 | 9 | 2,799.82 | 3 | | 9 | | 3 | | 9 | |
| 1/8 | 2,269.07 | 1/8 | 2,379.03 | 1/8 | 2,488.61 | 1/8 | 2,598.20 | 1/8 | 2,707.54 | 1/8 | 2,800.75 | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 2,271.37 | 1/4 | 2,381.31 | 1/4 | 2,490.90 | 1/4 | 2,600.48 | 1/4 | 2,709.81 | 1/4 | 2,801.67 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 2,273.67 | 3/8 | 2,383.60 | 3/8 | 2,493.18 | 3/8 | 2,602.76 | 3/8 | 2,712.07 | 3/8 | | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 2,275.97 | 1/2 | 2,385.88 | 1/2 | 2,495.46 | 1/2 | 2,605.05 | 1/2 | 2,714.34 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 2,278.27 | 5/8 | 2,388.16 | 5/8 | 2,497.75 | 5/8 | 2,607.33 | 5/8 | 2,716.61 | 5/8 | | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 2,280.57 | 3/4 | 2,390.44 | 3/4 | 2,500.03 | 3/4 | 2,609.61 | 3/4 | 2,718.87 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 2,282.87 | 7/8 | 2,392.73 | 7/8 | 2,502.31 | 7/8 | 2,611.90 | 7/8 | 2,721.14 | 7/8 | | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 4 | 2,285.17 | 10 | 2,395.01 | 4 | 2,504.59 | 10 | 2,614.18 | 4 | 2,723.41 | 10 | | 4 | | 10 | | 4 | | 10 | |
| 1/8 | 2,287.47 | 1/8 | 2,397.29 | 1/8 | 2,506.88 | 1/8 | 2,616.46 | 1/8 | 2,725.67 | 1/8 | | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 2,289.77 | 1/4 | 2,399.58 | 1/4 | 2,509.16 | 1/4 | 2,618.74 | 1/4 | 2,727.94 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 2,292.07 | 3/8 | 2,401.86 | 3/8 | 2,511.44 | 3/8 | 2,621.03 | 3/8 | 2,730.20 | 3/8 | | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 2,294.37 | 1/2 | 2,404.14 | 1/2 | 2,513.73 | 1/2 | 2,623.31 | 1/2 | 2,732.47 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 2,296.67 | 5/8 | 2,406.43 | 5/8 | 2,516.01 | 5/8 | 2,625.59 | 5/8 | 2,734.73 | 5/8 | | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 2,298.97 | 3/4 | 2,408.71 | 3/4 | 2,518.29 | 3/4 | 2,627.88 | 3/4 | 2,736.99 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 2,301.27 | 7/8 | 2,410.99 | 7/8 | 2,520.58 | 7/8 | 2,630.16 | 7/8 | 2,739.26 | 7/8 | | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 5 | 2,303.57 | 11 | 2,413.27 | 5 | 2,522.86 | 11 | 2,632.44 | 5 | 2,741.52 | 11 | | 5 | | 11 | | 5 | | 11 | |
| 1/8 | 2,305.86 | 1/8 | 2,415.56 | 1/8 | 2,525.14 | 1/8 | 2,634.73 | 1/8 | 2,743.76 | 1/8 | | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 2,308.16 | 1/4 | 2,417.84 | 1/4 | 2,527.42 | 1/4 | 2,637.01 | 1/4 | 2,746.00 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 2,310.45 | 3/8 | 2,420.12 | 3/8 | 2,529.71 | 3/8 | 2,639.29 | 3/8 | 2,748.24 | 3/8 | | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 2,312.75 | 1/2 | 2,422.41 | 1/2 | 2,531.99 | 1/2 | 2,641.57 | 1/2 | 2,750.47 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 2,315.04 | 5/8 | 2,424.69 | 5/8 | 2,534.27 | 5/8 | 2,643.86 | 5/8 | 2,752.71 | 5/8 | | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 2,317.34 | 3/4 | 2,426.97 | 3/4 | 2,536.56 | 3/4 | 2,646.14 | 3/4 | 2,754.95 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 2,319.63 | 7/8 | 2,429.26 | 7/8 | 2,538.84 | 7/8 | 2,648.42 | 7/8 | 2,757.19 | 7/8 | | 7/8 | | 7/8 | | 7/8 | | 7/8 | |

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RECALCULATED: 12/04/2009 CL
REPRINTED: 12/09/2009 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2009

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

# BARGE "KIRBY 27774"

## 3 STBD

### INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09 1/2"

| IN | 0 FT. | IN | 0 FT. | IN | 1 FT. | IN | 1 FT. | IN | 2 FT. | IN | 2 FT. | IN | 3 FT. | IN | 3 FT. | IN | 4 FT. | IN | 4 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 15.35 | 6 | 119.57 | 0 | 229.87 | 6 | 340.18 | 0 | 450.65 | 6 | 561.12 | 0 | 671.58 | 6 | 782.05 | 0 | 892.52 | 6 | 1,002.99 |
| 1/8 | 17.07 | 1/8 | 121.87 | 1/8 | 232.17 | 1/8 | 342.48 | 1/8 | 452.95 | 1/8 | 563.42 | 1/8 | 673.89 | 1/8 | 784.35 | 1/8 | 894.82 | 1/8 | 1,005.29 |
| 1/4 | 18.80 | 1/4 | 124.18 | 1/4 | 234.47 | 1/4 | 344.79 | 1/4 | 455.25 | 1/4 | 565.72 | 1/4 | 676.19 | 1/4 | 786.65 | 1/4 | 897.12 | 1/4 | 1,007.59 |
| 3/8 | 20.52 | 3/8 | 126.48 | 3/8 | 236.76 | 3/8 | 347.09 | 3/8 | 457.55 | 3/8 | 568.02 | 3/8 | 678.49 | 3/8 | 788.96 | 3/8 | 899.42 | 3/8 | 1,009.89 |
| 1/2 | 22.25 | 1/2 | 128.78 | 1/2 | 239.06 | 1/2 | 349.39 | 1/2 | 459.86 | 1/2 | 570.32 | 1/2 | 680.79 | 1/2 | 791.26 | 1/2 | 901.72 | 1/2 | 1,012.19 |
| 5/8 | 23.97 | 5/8 | 131.08 | 5/8 | 241.35 | 5/8 | 351.69 | 5/8 | 462.16 | 5/8 | 572.62 | 5/8 | 683.09 | 5/8 | 793.56 | 5/8 | 904.03 | 5/8 | 1,014.49 |
| 3/4 | 25.70 | 3/4 | 133.38 | 3/4 | 243.65 | 3/4 | 353.99 | 3/4 | 464.46 | 3/4 | 574.93 | 3/4 | 685.39 | 3/4 | 795.86 | 3/4 | 906.33 | 3/4 | 1,016.79 |
| 7/8 | 27.42 | 7/8 | 135.68 | 7/8 | 245.95 | 7/8 | 356.29 | 7/8 | 466.76 | 7/8 | 577.23 | 7/8 | 687.69 | 7/8 | 798.16 | 7/8 | 908.63 | 7/8 | 1,019.10 |
| 1 | 29.15 | 7 | 137.98 | 1 | 248.24 | 7 | 358.59 | 1 | 469.06 | 7 | 579.53 | 1 | 690.00 | 7 | 800.46 | 1 | 910.93 | 7 | 1,021.40 |
| 1/8 | 31.29 | 1/8 | 140.28 | 1/8 | 250.54 | 1/8 | 360.89 | 1/8 | 471.36 | 1/8 | 581.83 | 1/8 | 692.30 | 1/8 | 802.76 | 1/8 | 913.23 | 1/8 | 1,023.70 |
| 1/4 | 33.43 | 1/4 | 142.58 | 1/4 | 252.84 | 1/4 | 363.20 | 1/4 | 473.66 | 1/4 | 584.13 | 1/4 | 694.60 | 1/4 | 805.07 | 1/4 | 915.53 | 1/4 | 1,026.00 |
| 3/8 | 35.58 | 3/8 | 144.88 | 3/8 | 255.13 | 3/8 | 365.50 | 3/8 | 475.96 | 3/8 | 586.43 | 3/8 | 696.90 | 3/8 | 807.37 | 3/8 | 917.83 | 3/8 | 1,028.30 |
| 1/2 | 37.72 | 1/2 | 147.18 | 1/2 | 257.43 | 1/2 | 367.80 | 1/2 | 478.27 | 1/2 | 588.73 | 1/2 | 699.20 | 1/2 | 809.67 | 1/2 | 920.14 | 1/2 | 1,030.60 |
| 5/8 | 39.86 | 5/8 | 149.48 | 5/8 | 259.73 | 5/8 | 370.10 | 5/8 | 480.57 | 5/8 | 591.03 | 5/8 | 701.50 | 5/8 | 811.97 | 5/8 | 922.44 | 5/8 | 1,032.90 |
| 3/4 | 42.00 | 3/4 | 151.78 | 3/4 | 262.02 | 3/4 | 372.40 | 3/4 | 482.87 | 3/4 | 593.34 | 3/4 | 703.80 | 3/4 | 814.27 | 3/4 | 924.74 | 3/4 | 1,035.21 |
| 7/8 | 44.14 | 7/8 | 154.08 | 7/8 | 264.32 | 7/8 | 374.70 | 7/8 | 485.17 | 7/8 | 595.64 | 7/8 | 706.10 | 7/8 | 816.57 | 7/8 | 927.04 | 7/8 | 1,037.51 |
| 2 | 46.29 | 8 | 156.38 | 2 | 266.62 | 8 | 377.00 | 2 | 487.47 | 8 | 597.94 | 2 | 708.41 | 8 | 818.87 | 2 | 929.34 | 8 | 1,039.81 |
| 1/8 | 48.57 | 1/8 | 158.68 | 1/8 | 268.91 | 1/8 | 379.31 | 1/8 | 489.77 | 1/8 | 600.24 | 1/8 | 710.71 | 1/8 | 821.17 | 1/8 | 931.64 | 1/8 | 1,042.11 |
| 1/4 | 50.84 | 1/4 | 160.97 | 1/4 | 271.21 | 1/4 | 381.61 | 1/4 | 492.07 | 1/4 | 602.54 | 1/4 | 713.01 | 1/4 | 823.48 | 1/4 | 933.94 | 1/4 | 1,044.41 |
| 3/8 | 53.12 | 3/8 | 163.27 | 3/8 | 273.50 | 3/8 | 383.91 | 3/8 | 494.38 | 3/8 | 604.84 | 3/8 | 715.31 | 3/8 | 825.78 | 3/8 | 936.24 | 3/8 | 1,046.71 |
| 1/2 | 55.40 | 1/2 | 165.57 | 1/2 | 275.80 | 1/2 | 386.21 | 1/2 | 496.68 | 1/2 | 607.14 | 1/2 | 717.61 | 1/2 | 828.08 | 1/2 | 938.55 | 1/2 | 1,049.01 |
| 5/8 | 57.68 | 5/8 | 167.87 | 5/8 | 278.10 | 5/8 | 388.51 | 5/8 | 498.98 | 5/8 | 609.45 | 5/8 | 719.91 | 5/8 | 830.38 | 5/8 | 940.85 | 5/8 | 1,051.31 |
| 3/4 | 59.96 | 3/4 | 170.16 | 3/4 | 280.39 | 3/4 | 390.81 | 3/4 | 501.28 | 3/4 | 611.75 | 3/4 | 722.21 | 3/4 | 832.68 | 3/4 | 943.15 | 3/4 | 1,053.62 |
| 7/8 | 62.24 | 7/8 | 172.46 | 7/8 | 282.69 | 7/8 | 393.11 | 7/8 | 503.58 | 7/8 | 614.05 | 7/8 | 724.52 | 7/8 | 834.98 | 7/8 | 945.45 | 7/8 | 1,055.92 |
| 3 | 64.52 | 9 | 174.76 | 3 | 284.99 | 9 | 395.42 | 3 | 505.88 | 9 | 616.35 | 3 | 726.82 | 9 | 837.28 | 3 | 947.75 | 9 | 1,058.22 |
| 1/8 | 66.81 | 1/8 | 177.06 | 1/8 | 287.28 | 1/8 | 397.72 | 1/8 | 508.18 | 1/8 | 618.65 | 1/8 | 729.12 | 1/8 | 839.59 | 1/8 | 950.05 | 1/8 | 1,060.52 |
| 1/4 | 69.10 | 1/4 | 179.35 | 1/4 | 289.58 | 1/4 | 400.02 | 1/4 | 510.49 | 1/4 | 620.95 | 1/4 | 731.42 | 1/4 | 841.89 | 1/4 | 952.35 | 1/4 | 1,062.82 |
| 3/8 | 71.38 | 3/8 | 181.65 | 3/8 | 291.88 | 3/8 | 402.32 | 3/8 | 512.79 | 3/8 | 623.25 | 3/8 | 733.72 | 3/8 | 844.19 | 3/8 | 954.66 | 3/8 | 1,065.12 |
| 1/2 | 73.67 | 1/2 | 183.94 | 1/2 | 294.18 | 1/2 | 404.62 | 1/2 | 515.09 | 1/2 | 625.56 | 1/2 | 736.02 | 1/2 | 846.49 | 1/2 | 956.96 | 1/2 | 1,067.42 |
| 5/8 | 75.96 | 5/8 | 186.24 | 5/8 | 296.48 | 5/8 | 406.92 | 5/8 | 517.39 | 5/8 | 627.86 | 5/8 | 738.32 | 5/8 | 848.79 | 5/8 | 959.26 | 5/8 | 1,069.73 |
| 3/4 | 78.25 | 3/4 | 188.54 | 3/4 | 298.77 | 3/4 | 409.22 | 3/4 | 519.69 | 3/4 | 630.16 | 3/4 | 740.63 | 3/4 | 851.09 | 3/4 | 961.56 | 3/4 | 1,072.03 |
| 7/8 | 80.54 | 7/8 | 190.83 | 7/8 | 301.07 | 7/8 | 411.53 | 7/8 | 521.99 | 7/8 | 632.46 | 7/8 | 742.93 | 7/8 | 853.39 | 7/8 | 963.86 | 7/8 | 1,074.33 |
| 4 | 82.83 | 10 | 193.13 | 4 | 303.37 | 10 | 413.83 | 4 | 524.29 | 10 | 634.76 | 4 | 745.23 | 10 | 855.70 | 4 | 966.16 | 10 | 1,076.63 |
| 1/8 | 85.12 | 1/8 | 195.43 | 1/8 | 305.67 | 1/8 | 416.13 | 1/8 | 526.60 | 1/8 | 637.06 | 1/8 | 747.53 | 1/8 | 858.00 | 1/8 | 968.46 | 1/8 | 1,078.93 |
| 1/4 | 87.42 | 1/4 | 197.72 | 1/4 | 307.97 | 1/4 | 418.43 | 1/4 | 528.90 | 1/4 | 639.36 | 1/4 | 749.83 | 1/4 | 860.30 | 1/4 | 970.77 | 1/4 | 1,081.23 |
| 3/8 | 89.71 | 3/8 | 200.02 | 3/8 | 310.27 | 3/8 | 420.73 | 3/8 | 531.20 | 3/8 | 641.67 | 3/8 | 752.13 | 3/8 | 862.60 | 3/8 | 973.07 | 3/8 | 1,083.53 |
| 1/2 | 92.01 | 1/2 | 202.32 | 1/2 | 312.57 | 1/2 | 423.03 | 1/2 | 533.50 | 1/2 | 643.97 | 1/2 | 754.43 | 1/2 | 864.90 | 1/2 | 975.37 | 1/2 | 1,085.84 |
| 5/8 | 94.30 | 5/8 | 204.61 | 5/8 | 314.87 | 5/8 | 425.33 | 5/8 | 535.80 | 5/8 | 646.27 | 5/8 | 756.74 | 5/8 | 867.20 | 5/8 | 977.67 | 5/8 | 1,088.14 |
| 3/4 | 96.60 | 3/4 | 206.91 | 3/4 | 317.17 | 3/4 | 427.64 | 3/4 | 538.10 | 3/4 | 648.57 | 3/4 | 759.04 | 3/4 | 869.50 | 3/4 | 979.97 | 3/4 | 1,090.44 |
| 7/8 | 98.89 | 7/8 | 209.21 | 7/8 | 319.47 | 7/8 | 429.94 | 7/8 | 540.40 | 7/8 | 650.87 | 7/8 | 761.34 | 7/8 | 871.81 | 7/8 | 982.27 | 7/8 | 1,092.74 |
| 5 | 101.19 | 11 | 211.50 | 5 | 321.77 | 11 | 432.24 | 5 | 542.71 | 11 | 653.17 | 5 | 763.64 | 11 | 874.11 | 5 | 984.57 | 11 | 1,095.04 |
| 1/8 | 103.48 | 1/8 | 213.80 | 1/8 | 324.07 | 1/8 | 434.54 | 1/8 | 545.01 | 1/8 | 655.47 | 1/8 | 765.94 | 1/8 | 876.41 | 1/8 | 986.88 | 1/8 | 1,097.34 |
| 1/4 | 105.78 | 1/4 | 216.09 | 1/4 | 326.37 | 1/4 | 436.84 | 1/4 | 547.31 | 1/4 | 657.78 | 1/4 | 768.24 | 1/4 | 878.71 | 1/4 | 989.18 | 1/4 | 1,099.64 |
| 3/8 | 108.08 | 3/8 | 218.39 | 3/8 | 328.68 | 3/8 | 439.14 | 3/8 | 549.61 | 3/8 | 660.08 | 3/8 | 770.54 | 3/8 | 881.01 | 3/8 | 991.48 | 3/8 | 1,101.95 |
| 1/2 | 110.38 | 1/2 | 220.69 | 1/2 | 330.98 | 1/2 | 441.44 | 1/2 | 551.91 | 1/2 | 662.38 | 1/2 | 772.85 | 1/2 | 883.31 | 1/2 | 993.78 | 1/2 | 1,104.25 |
| 5/8 | 112.68 | 5/8 | 222.98 | 5/8 | 333.28 | 5/8 | 443.75 | 5/8 | 554.21 | 5/8 | 664.68 | 5/8 | 775.15 | 5/8 | 885.61 | 5/8 | 996.08 | 5/8 | 1,106.55 |
| 3/4 | 114.98 | 3/4 | 225.28 | 3/4 | 335.58 | 3/4 | 446.05 | 3/4 | 556.51 | 3/4 | 666.98 | 3/4 | 777.45 | 3/4 | 887.92 | 3/4 | 998.38 | 3/4 | 1,108.85 |
| 7/8 | 117.28 | 7/8 | 227.58 | 7/8 | 337.88 | 7/8 | 448.35 | 7/8 | 558.82 | 7/8 | 669.28 | 7/8 | 779.75 | 7/8 | 890.22 | 7/8 | 1,000.68 | 7/8 | 1,111.15 |

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE

GAUGE POINT: (MANUAL) LOCATED 10'-10" OFF CENTERLINE AND 27'-10" 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 "KIRBY 27774"

## 3 STBD

### INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09 1/2"

| IN | 5 FT. | IN | 5 FT. | IN | 6 FT. | IN | 6 FT. | IN | 7 FT. | IN | 7 FT. | IN | 8 FT. | IN | 8 FT. | IN | 9 FT. | IN | 9 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 1,113.45 | 6 | 1,223.92 | 0 | 1,334.39 | 6 | 1,444.85 | 0 | 1,555.32 | 6 | 1,665.77 | 0 | 1,776.21 | 6 | 1,886.65 | 0 | 1,997.08 | 6 | 2,107.52 |
| 1/8 | 1,115.75 | 1/8 | 1,226.22 | 1/8 | 1,336.69 | 1/8 | 1,447.16 | 1/8 | 1,557.62 | 1/8 | 1,668.07 | 1/8 | 1,778.51 | 1/8 | 1,888.95 | 1/8 | 1,999.39 | 1/8 | 2,109.82 |
| 1/4 | 1,118.06 | 1/4 | 1,228.52 | 1/4 | 1,338.99 | 1/4 | 1,449.46 | 1/4 | 1,559.92 | 1/4 | 1,670.37 | 1/4 | 1,780.81 | 1/4 | 1,891.25 | 1/4 | 2,001.69 | 1/4 | 2,112.12 |
| 3/8 | 1,120.36 | 3/8 | 1,230.82 | 3/8 | 1,341.29 | 3/8 | 1,451.76 | 3/8 | 1,562.23 | 3/8 | 1,672.67 | 3/8 | 1,783.11 | 3/8 | 1,893.55 | 3/8 | 2,003.99 | 3/8 | 2,114.43 |
| 1/2 | 1,122.66 | 1/2 | 1,233.13 | 1/2 | 1,343.59 | 1/2 | 1,454.06 | 1/2 | 1,564.53 | 1/2 | 1,674.97 | 1/2 | 1,785.41 | 1/2 | 1,895.85 | 1/2 | 2,006.29 | 1/2 | 2,116.73 |
| 5/8 | 1,124.96 | 5/8 | 1,235.43 | 5/8 | 1,345.89 | 5/8 | 1,456.36 | 5/8 | 1,566.83 | 5/8 | 1,677.27 | 5/8 | 1,787.71 | 5/8 | 1,898.15 | 5/8 | 2,008.59 | 5/8 | 2,119.03 |
| 3/4 | 1,127.26 | 3/4 | 1,237.73 | 3/4 | 1,348.20 | 3/4 | 1,458.66 | 3/4 | 1,569.13 | 3/4 | 1,679.57 | 3/4 | 1,790.01 | 3/4 | 1,900.45 | 3/4 | 2,010.89 | 3/4 | 2,121.33 |
| 7/8 | 1,129.56 | 7/8 | 1,240.03 | 7/8 | 1,350.50 | 7/8 | 1,460.96 | 7/8 | 1,571.43 | 7/8 | 1,681.88 | 7/8 | 1,792.31 | 7/8 | 1,902.75 | 7/8 | 2,013.19 | 7/8 | 2,123.63 |
| 1 | 1,131.86 | 7 | 1,242.33 | 1 | 1,352.80 | 7 | 1,463.27 | 1 | 1,573.73 | 7 | 1,684.18 | 1 | 1,794.61 | 7 | 1,905.05 | 1 | 2,015.49 | 7 | 2,125.93 |
| 1/8 | 1,134.17 | 1/8 | 1,244.63 | 1/8 | 1,355.10 | 1/8 | 1,465.57 | 1/8 | 1,576.03 | 1/8 | 1,686.48 | 1/8 | 1,796.92 | 1/8 | 1,907.35 | 1/8 | 2,017.79 | 1/8 | 2,128.23 |
| 1/4 | 1,136.47 | 1/4 | 1,246.93 | 1/4 | 1,357.40 | 1/4 | 1,467.87 | 1/4 | 1,578.34 | 1/4 | 1,688.78 | 1/4 | 1,799.22 | 1/4 | 1,909.65 | 1/4 | 2,020.09 | 1/4 | 2,130.53 |
| 3/8 | 1,138.77 | 3/8 | 1,249.24 | 3/8 | 1,359.70 | 3/8 | 1,470.17 | 3/8 | 1,580.64 | 3/8 | 1,691.08 | 3/8 | 1,801.52 | 3/8 | 1,911.96 | 3/8 | 2,022.39 | 3/8 | 2,132.83 |
| 1/2 | 1,141.07 | 1/2 | 1,251.54 | 1/2 | 1,362.00 | 1/2 | 1,472.47 | 1/2 | 1,582.94 | 1/2 | 1,693.38 | 1/2 | 1,803.82 | 1/2 | 1,914.26 | 1/2 | 2,024.69 | 1/2 | 2,135.13 |
| 5/8 | 1,143.37 | 5/8 | 1,253.84 | 5/8 | 1,364.31 | 5/8 | 1,474.77 | 5/8 | 1,585.24 | 5/8 | 1,695.68 | 5/8 | 1,806.12 | 5/8 | 1,916.56 | 5/8 | 2,027.00 | 5/8 | 2,137.43 |
| 3/4 | 1,145.67 | 3/4 | 1,256.14 | 3/4 | 1,366.61 | 3/4 | 1,477.07 | 3/4 | 1,587.54 | 3/4 | 1,697.98 | 3/4 | 1,808.42 | 3/4 | 1,918.86 | 3/4 | 2,029.30 | 3/4 | 2,139.73 |
| 7/8 | 1,147.97 | 7/8 | 1,258.44 | 7/8 | 1,368.91 | 7/8 | 1,479.38 | 7/8 | 1,589.84 | 7/8 | 1,700.28 | 7/8 | 1,810.72 | 7/8 | 1,921.16 | 7/8 | 2,031.60 | 7/8 | 2,142.04 |
| 2 | 1,150.28 | 8 | 1,260.74 | 2 | 1,371.21 | 8 | 1,481.68 | 2 | 1,592.14 | 8 | 1,702.58 | 2 | 1,813.02 | 8 | 1,923.46 | 2 | 2,033.90 | 8 | 2,144.34 |
| 1/8 | 1,152.58 | 1/8 | 1,263.04 | 1/8 | 1,373.51 | 1/8 | 1,483.98 | 1/8 | 1,594.45 | 1/8 | 1,704.88 | 1/8 | 1,815.32 | 1/8 | 1,925.76 | 1/8 | 2,036.20 | 1/8 | 2,146.64 |
| 1/4 | 1,154.88 | 1/4 | 1,265.35 | 1/4 | 1,375.81 | 1/4 | 1,486.28 | 1/4 | 1,596.75 | 1/4 | 1,707.18 | 1/4 | 1,817.62 | 1/4 | 1,928.06 | 1/4 | 2,038.50 | 1/4 | 2,148.94 |
| 3/8 | 1,157.18 | 3/8 | 1,267.65 | 3/8 | 1,378.11 | 3/8 | 1,488.58 | 3/8 | 1,599.05 | 3/8 | 1,709.48 | 3/8 | 1,819.92 | 3/8 | 1,930.36 | 3/8 | 2,040.80 | 3/8 | 2,151.24 |
| 1/2 | 1,159.48 | 1/2 | 1,269.95 | 1/2 | 1,380.42 | 1/2 | 1,490.88 | 1/2 | 1,601.35 | 1/2 | 1,711.79 | 1/2 | 1,822.22 | 1/2 | 1,932.66 | 1/2 | 2,043.10 | 1/2 | 2,153.54 |
| 5/8 | 1,161.78 | 5/8 | 1,272.25 | 5/8 | 1,382.72 | 5/8 | 1,493.18 | 5/8 | 1,603.65 | 5/8 | 1,714.09 | 5/8 | 1,824.52 | 5/8 | 1,934.96 | 5/8 | 2,045.40 | 5/8 | 2,155.84 |
| 3/4 | 1,164.08 | 3/4 | 1,274.55 | 3/4 | 1,385.02 | 3/4 | 1,495.49 | 3/4 | 1,605.95 | 3/4 | 1,716.39 | 3/4 | 1,826.83 | 3/4 | 1,937.26 | 3/4 | 2,047.70 | 3/4 | 2,158.14 |
| 7/8 | 1,166.38 | 7/8 | 1,276.85 | 7/8 | 1,387.32 | 7/8 | 1,497.79 | 7/8 | 1,608.25 | 7/8 | 1,718.69 | 7/8 | 1,829.13 | 7/8 | 1,939.56 | 7/8 | 2,050.00 | 7/8 | 2,160.44 |
| 3 | 1,168.69 | 9 | 1,279.15 | 3 | 1,389.62 | 9 | 1,500.09 | 3 | 1,610.56 | 9 | 1,720.99 | 3 | 1,831.43 | 9 | 1,941.87 | 3 | 2,052.30 | 9 | 2,162.74 |
| 1/8 | 1,170.99 | 1/8 | 1,281.45 | 1/8 | 1,391.92 | 1/8 | 1,502.39 | 1/8 | 1,612.86 | 1/8 | 1,723.29 | 1/8 | 1,833.73 | 1/8 | 1,944.17 | 1/8 | 2,054.60 | 1/8 | 2,165.04 |
| 1/4 | 1,173.29 | 1/4 | 1,283.76 | 1/4 | 1,394.22 | 1/4 | 1,504.69 | 1/4 | 1,615.16 | 1/4 | 1,725.59 | 1/4 | 1,836.03 | 1/4 | 1,946.47 | 1/4 | 2,056.91 | 1/4 | 2,167.34 |
| 3/8 | 1,175.59 | 3/8 | 1,286.06 | 3/8 | 1,396.52 | 3/8 | 1,506.99 | 3/8 | 1,617.46 | 3/8 | 1,727.89 | 3/8 | 1,838.33 | 3/8 | 1,948.77 | 3/8 | 2,059.21 | 3/8 | 2,169.64 |
| 1/2 | 1,177.89 | 1/2 | 1,288.36 | 1/2 | 1,398.83 | 1/2 | 1,509.29 | 1/2 | 1,619.76 | 1/2 | 1,730.19 | 1/2 | 1,840.63 | 1/2 | 1,951.07 | 1/2 | 2,061.51 | 1/2 | 2,171.95 |
| 5/8 | 1,180.19 | 5/8 | 1,290.66 | 5/8 | 1,401.13 | 5/8 | 1,511.59 | 5/8 | 1,622.06 | 5/8 | 1,732.49 | 5/8 | 1,842.93 | 5/8 | 1,953.37 | 5/8 | 2,063.81 | 5/8 | 2,174.25 |
| 3/4 | 1,182.49 | 3/4 | 1,292.96 | 3/4 | 1,403.43 | 3/4 | 1,513.90 | 3/4 | 1,624.36 | 3/4 | 1,734.79 | 3/4 | 1,845.23 | 3/4 | 1,955.67 | 3/4 | 2,066.11 | 3/4 | 2,176.55 |
| 7/8 | 1,184.80 | 7/8 | 1,295.26 | 7/8 | 1,405.73 | 7/8 | 1,516.20 | 7/8 | 1,626.66 | 7/8 | 1,737.09 | 7/8 | 1,847.53 | 7/8 | 1,957.97 | 7/8 | 2,068.41 | 7/8 | 2,178.85 |
| 4 | 1,187.10 | 10 | 1,297.56 | 4 | 1,408.03 | 10 | 1,518.50 | 4 | 1,628.96 | 10 | 1,739.40 | 4 | 1,849.83 | 10 | 1,960.27 | 4 | 2,070.71 | 10 | 2,181.15 |
| 1/8 | 1,189.40 | 1/8 | 1,299.87 | 1/8 | 1,410.33 | 1/8 | 1,520.80 | 1/8 | 1,631.26 | 1/8 | 1,741.70 | 1/8 | 1,852.13 | 1/8 | 1,962.57 | 1/8 | 2,073.01 | 1/8 | 2,183.45 |
| 1/4 | 1,191.70 | 1/4 | 1,302.17 | 1/4 | 1,412.63 | 1/4 | 1,523.10 | 1/4 | 1,633.56 | 1/4 | 1,744.00 | 1/4 | 1,854.44 | 1/4 | 1,964.87 | 1/4 | 2,075.31 | 1/4 | 2,185.75 |
| 3/8 | 1,194.00 | 3/8 | 1,304.47 | 3/8 | 1,414.94 | 3/8 | 1,525.40 | 3/8 | 1,635.86 | 3/8 | 1,746.30 | 3/8 | 1,856.74 | 3/8 | 1,967.17 | 3/8 | 2,077.61 | 3/8 | 2,188.05 |
| 1/2 | 1,196.30 | 1/2 | 1,306.77 | 1/2 | 1,417.24 | 1/2 | 1,527.70 | 1/2 | 1,638.16 | 1/2 | 1,748.60 | 1/2 | 1,859.04 | 1/2 | 1,969.48 | 1/2 | 2,079.91 | 1/2 | 2,190.35 |
| 5/8 | 1,198.60 | 5/8 | 1,309.07 | 5/8 | 1,419.54 | 5/8 | 1,530.01 | 5/8 | 1,640.46 | 5/8 | 1,750.90 | 5/8 | 1,861.34 | 5/8 | 1,971.78 | 5/8 | 2,082.21 | 5/8 | 2,192.65 |
| 3/4 | 1,200.91 | 3/4 | 1,311.37 | 3/4 | 1,421.84 | 3/4 | 1,532.31 | 3/4 | 1,642.76 | 3/4 | 1,753.20 | 3/4 | 1,863.64 | 3/4 | 1,974.08 | 3/4 | 2,084.52 | 3/4 | 2,194.95 |
| 7/8 | 1,203.21 | 7/8 | 1,313.67 | 7/8 | 1,424.14 | 7/8 | 1,534.61 | 7/8 | 1,645.06 | 7/8 | 1,755.50 | 7/8 | 1,865.94 | 7/8 | 1,976.38 | 7/8 | 2,086.82 | 7/8 | 2,197.25 |
| 5 | 1,205.51 | 11 | 1,315.98 | 5 | 1,426.44 | 11 | 1,536.91 | 5 | 1,647.36 | 11 | 1,757.80 | 5 | 1,868.24 | 11 | 1,978.68 | 5 | 2,089.12 | 11 | 2,199.56 |
| 1/8 | 1,207.81 | 1/8 | 1,318.28 | 1/8 | 1,428.74 | 1/8 | 1,539.21 | 1/8 | 1,649.66 | 1/8 | 1,760.10 | 1/8 | 1,870.54 | 1/8 | 1,980.98 | 1/8 | 2,091.42 | 1/8 | 2,201.86 |
| 1/4 | 1,210.11 | 1/4 | 1,320.58 | 1/4 | 1,431.05 | 1/4 | 1,541.51 | 1/4 | 1,651.96 | 1/4 | 1,762.40 | 1/4 | 1,872.84 | 1/4 | 1,983.28 | 1/4 | 2,093.72 | 1/4 | 2,204.16 |
| 3/8 | 1,212.41 | 3/8 | 1,322.88 | 3/8 | 1,433.35 | 3/8 | 1,543.81 | 3/8 | 1,654.27 | 3/8 | 1,764.70 | 3/8 | 1,875.14 | 3/8 | 1,985.58 | 3/8 | 2,096.02 | 3/8 | 2,206.46 |
| 1/2 | 1,214.71 | 1/2 | 1,325.18 | 1/2 | 1,435.65 | 1/2 | 1,546.12 | 1/2 | 1,656.57 | 1/2 | 1,767.00 | 1/2 | 1,877.44 | 1/2 | 1,987.88 | 1/2 | 2,098.32 | 1/2 | 2,208.76 |
| 5/8 | 1,217.02 | 5/8 | 1,327.48 | 5/8 | 1,437.95 | 5/8 | 1,548.42 | 5/8 | 1,658.87 | 5/8 | 1,769.31 | 5/8 | 1,879.74 | 5/8 | 1,990.18 | 5/8 | 2,100.62 | 5/8 | 2,211.06 |
| 3/4 | 1,219.32 | 3/4 | 1,329.78 | 3/4 | 1,440.25 | 3/4 | 1,550.72 | 3/4 | 1,661.17 | 3/4 | 1,771.61 | 3/4 | 1,882.04 | 3/4 | 1,992.48 | 3/4 | 2,102.92 | 3/4 | 2,213.36 |
| 7/8 | 1,221.62 | 7/8 | 1,332.09 | 7/8 | 1,442.55 | 7/8 | 1,553.02 | 7/8 | 1,663.47 | 7/8 | 1,773.91 | 7/8 | 1,884.35 | 7/8 | 1,994.78 | 7/8 | 2,105.22 | 7/8 | 2,215.66 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.


**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
P.O. Box 2092
Pearland, Texas 77588
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# BARGE "KIRBY 27774"

## 3 STBD

### INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09 1/2"

| IN | 10 FT. | IN | 10 FT. | IN | 11 FT. | IN | 11 FT. | IN | 12 FT. | IN | 12 FT. | IN | 13 FT. | IN | 13 FT. | IN | 14 FT. | IN | 14 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2,217.96 | 6 | 2,328.28 | 0 | 2,437.83 | 6 | 2,547.35 | 0 | 2,656.87 | 6 | 2,765.52 | 0 | | 6 | | 0 | | 6 | |
| 1/8 | 2,220.26 | 1/8 | 2,330.56 | 1/8 | 2,440.11 | 1/8 | 2,549.63 | 1/8 | 2,659.15 | 1/8 | 2,767.56 | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 2,222.56 | 1/4 | 2,332.85 | 1/4 | 2,442.39 | 1/4 | 2,551.91 | 1/4 | 2,661.43 | 1/4 | 2,769.61 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 2,224.86 | 3/8 | 2,335.13 | 3/8 | 2,444.67 | 3/8 | 2,554.19 | 3/8 | 2,663.70 | 3/8 | 2,771.66 | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 2,227.16 | 1/2 | 2,337.42 | 1/2 | 2,446.95 | 1/2 | 2,556.47 | 1/2 | 2,665.98 | 1/2 | 2,773.71 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 2,229.47 | 5/8 | 2,339.70 | 5/8 | 2,449.23 | 5/8 | 2,558.76 | 5/8 | 2,668.26 | 5/8 | 2,775.75 | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 2,231.77 | 3/4 | 2,341.99 | 3/4 | 2,451.52 | 3/4 | 2,561.04 | 3/4 | 2,670.54 | 3/4 | 2,777.80 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 2,234.07 | 7/8 | 2,344.27 | 7/8 | 2,453.80 | 7/8 | 2,563.32 | 7/8 | 2,672.82 | 7/8 | 2,779.85 | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 1 | 2,236.37 | 7 | 2,346.56 | 1 | 2,456.08 | 7 | 2,565.60 | 1 | 2,675.09 | 7 | 2,781.90 | 1 | | 7 | | 1 | | 7 | |
| 1/8 | 2,238.67 | 1/8 | 2,348.84 | 1/8 | 2,458.36 | 1/8 | 2,567.88 | 1/8 | 2,677.37 | 1/8 | 2,783.59 | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 2,240.97 | 1/4 | 2,351.12 | 1/4 | 2,460.64 | 1/4 | 2,570.16 | 1/4 | 2,679.64 | 1/4 | 2,785.28 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 2,243.27 | 3/8 | 2,353.40 | 3/8 | 2,462.92 | 3/8 | 2,572.45 | 3/8 | 2,681.91 | 3/8 | 2,786.97 | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 2,245.57 | 1/2 | 2,355.68 | 1/2 | 2,465.21 | 1/2 | 2,574.73 | 1/2 | 2,684.18 | 1/2 | 2,788.66 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 2,247.87 | 5/8 | 2,357.97 | 5/8 | 2,467.49 | 5/8 | 2,577.01 | 5/8 | 2,686.45 | 5/8 | 2,790.35 | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 2,250.17 | 3/4 | 2,360.25 | 3/4 | 2,469.77 | 3/4 | 2,579.29 | 3/4 | 2,688.72 | 3/4 | 2,792.05 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 2,252.47 | 7/8 | 2,362.53 | 7/8 | 2,472.05 | 7/8 | 2,581.57 | 7/8 | 2,690.99 | 7/8 | 2,793.74 | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 2 | 2,254.77 | 8 | 2,364.81 | 2 | 2,474.33 | 8 | 2,583.85 | 2 | 2,693.26 | 8 | 2,795.43 | 2 | | 8 | | 2 | | 8 | |
| 1/8 | 2,257.06 | 1/8 | 2,367.09 | 1/8 | 2,476.61 | 1/8 | 2,586.14 | 1/8 | 2,695.53 | 1/8 | 2,796.74 | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 2,259.36 | 1/4 | 2,369.37 | 1/4 | 2,478.90 | 1/4 | 2,588.42 | 1/4 | 2,697.79 | 1/4 | 2,798.05 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 2,261.66 | 3/8 | 2,371.66 | 3/8 | 2,481.18 | 3/8 | 2,590.70 | 3/8 | 2,700.06 | 3/8 | 2,799.35 | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 2,263.96 | 1/2 | 2,373.94 | 1/2 | 2,483.46 | 1/2 | 2,592.98 | 1/2 | 2,702.33 | 1/2 | 2,800.66 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 2,266.26 | 5/8 | 2,376.22 | 5/8 | 2,485.74 | 5/8 | 2,595.26 | 5/8 | 2,704.59 | 5/8 | 2,801.97 | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 2,268.56 | 3/4 | 2,378.50 | 3/4 | 2,488.02 | 3/4 | 2,597.54 | 3/4 | 2,706.86 | 3/4 | 2,803.28 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 2,270.85 | 7/8 | 2,380.78 | 7/8 | 2,490.30 | 7/8 | 2,599.83 | 7/8 | 2,709.13 | 7/8 | 2,804.59 | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 3 | 2,273.15 | 9 | 2,383.06 | 3 | 2,492.59 | 9 | 2,602.11 | 3 | 2,711.40 | 9 | 2,805.89 | 3 | | 9 | | 3 | | 9 | |
| 1/8 | 2,275.45 | 1/8 | 2,385.35 | 1/8 | 2,494.87 | 1/8 | 2,604.39 | 1/8 | 2,713.66 | 1/8 | 2,806.82 | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 2,277.75 | 1/4 | 2,387.63 | 1/4 | 2,497.15 | 1/4 | 2,606.67 | 1/4 | 2,715.93 | 1/4 | 2,807.74 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 2,280.05 | 3/8 | 2,389.91 | 3/8 | 2,499.43 | 3/8 | 2,608.95 | 3/8 | 2,718.19 | 3/8 | | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 2,282.35 | 1/2 | 2,392.19 | 1/2 | 2,501.71 | 1/2 | 2,611.23 | 1/2 | 2,720.46 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 2,284.64 | 5/8 | 2,394.47 | 5/8 | 2,503.99 | 5/8 | 2,613.52 | 5/8 | 2,722.73 | 5/8 | | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 2,286.94 | 3/4 | 2,396.75 | 3/4 | 2,506.28 | 3/4 | 2,615.80 | 3/4 | 2,724.99 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 2,289.24 | 7/8 | 2,399.04 | 7/8 | 2,508.56 | 7/8 | 2,618.08 | 7/8 | 2,727.26 | 7/8 | | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 4 | 2,291.54 | 10 | 2,401.32 | 4 | 2,510.84 | 10 | 2,620.36 | 4 | 2,729.52 | 10 | | 4 | | 10 | | 4 | | 10 | |
| 1/8 | 2,293.84 | 1/8 | 2,403.60 | 1/8 | 2,513.12 | 1/8 | 2,622.64 | 1/8 | 2,731.79 | 1/8 | | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 2,296.14 | 1/4 | 2,405.88 | 1/4 | 2,515.40 | 1/4 | 2,624.92 | 1/4 | 2,734.05 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 2,298.44 | 3/8 | 2,408.16 | 3/8 | 2,517.69 | 3/8 | 2,627.21 | 3/8 | 2,736.31 | 3/8 | | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 2,300.73 | 1/2 | 2,410.45 | 1/2 | 2,519.97 | 1/2 | 2,629.49 | 1/2 | 2,738.57 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 2,303.03 | 5/8 | 2,412.73 | 5/8 | 2,522.25 | 5/8 | 2,631.77 | 5/8 | 2,740.84 | 5/8 | | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 2,305.33 | 3/4 | 2,415.01 | 3/4 | 2,524.53 | 3/4 | 2,634.05 | 3/4 | 2,743.10 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 2,307.63 | 7/8 | 2,417.29 | 7/8 | 2,526.81 | 7/8 | 2,636.33 | 7/8 | 2,745.36 | 7/8 | | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 5 | 2,309.93 | 11 | 2,419.57 | 5 | 2,529.09 | 11 | 2,638.62 | 5 | 2,747.63 | 11 | | 5 | | 11 | | 5 | | 11 | |
| 1/8 | 2,312.22 | 1/8 | 2,421.85 | 1/8 | 2,531.38 | 1/8 | 2,640.90 | 1/8 | 2,749.86 | 1/8 | | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 2,314.51 | 1/4 | 2,424.14 | 1/4 | 2,533.66 | 1/4 | 2,643.18 | 1/4 | 2,752.10 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 2,316.81 | 3/8 | 2,426.42 | 3/8 | 2,535.94 | 3/8 | 2,645.46 | 3/8 | 2,754.33 | 3/8 | | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 2,319.10 | 1/2 | 2,428.70 | 1/2 | 2,538.22 | 1/2 | 2,647.74 | 1/2 | 2,756.57 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 2,321.40 | 5/8 | 2,430.98 | 5/8 | 2,540.50 | 5/8 | 2,650.02 | 5/8 | 2,758.81 | 5/8 | | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 2,323.69 | 3/4 | 2,433.26 | 3/4 | 2,542.78 | 3/4 | 2,652.31 | 3/4 | 2,761.04 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 2,325.98 | 7/8 | 2,435.54 | 7/8 | 2,545.07 | 7/8 | 2,654.59 | 7/8 | 2,763.28 | 7/8 | | 7/8 | | 7/8 | | 7/8 | | 7/8 | |

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CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2009

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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# BARGE "KIRBY 27774"

## 4 PORT
### INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09 1/2"

| IN | 0 FT. | IN | 0 FT. | IN | 1 FT. | IN | 1 FT. | IN | 2 FT. | IN | 2 FT. | IN | 3 FT. | IN | 3 FT. | IN | 4 FT. | IN | 4 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 13.48 | 6 | 103.97 | 0 | 196.32 | 6 | 289.52 | 0 | 386.16 | 6 | 482.80 | 0 | 579.44 | 6 | 676.08 | 0 | 772.72 | 6 | 869.35 |
| 1/8 | 14.99 | 1/8 | 105.89 | 1/8 | 198.24 | 1/8 | 291.54 | 1/8 | 388.17 | 1/8 | 484.81 | 1/8 | 581.45 | 1/8 | 678.09 | 1/8 | 774.73 | 1/8 | 871.37 |
| 1/4 | 16.49 | 1/4 | 107.82 | 1/4 | 200.16 | 1/4 | 293.55 | 1/4 | 390.19 | 1/4 | 486.83 | 1/4 | 583.46 | 1/4 | 680.10 | 1/4 | 776.74 | 1/4 | 873.38 |
| 3/8 | 18.00 | 3/8 | 109.75 | 3/8 | 202.09 | 3/8 | 295.56 | 3/8 | 392.20 | 3/8 | 488.84 | 3/8 | 585.48 | 3/8 | 682.12 | 3/8 | 778.75 | 3/8 | 875.39 |
| 1/2 | 19.51 | 1/2 | 111.67 | 1/2 | 204.01 | 1/2 | 297.58 | 1/2 | 394.21 | 1/2 | 490.85 | 1/2 | 587.49 | 1/2 | 684.13 | 1/2 | 780.77 | 1/2 | 877.41 |
| 5/8 | 21.02 | 5/8 | 113.60 | 5/8 | 205.93 | 5/8 | 299.59 | 5/8 | 396.23 | 5/8 | 492.87 | 5/8 | 589.50 | 5/8 | 686.14 | 5/8 | 782.78 | 5/8 | 879.42 |
| 3/4 | 22.53 | 3/4 | 115.53 | 3/4 | 207.85 | 3/4 | 301.60 | 3/4 | 398.24 | 3/4 | 494.88 | 3/4 | 591.52 | 3/4 | 688.16 | 3/4 | 784.79 | 3/4 | 881.43 |
| 7/8 | 24.04 | 7/8 | 117.45 | 7/8 | 209.78 | 7/8 | 303.62 | 7/8 | 400.25 | 7/8 | 496.89 | 7/8 | 593.53 | 7/8 | 690.17 | 7/8 | 786.81 | 7/8 | 883.45 |
| 1 | 25.55 | 7 | 119.38 | 1 | 211.70 | 7 | 305.63 | 1 | 402.27 | 7 | 498.91 | 1 | 595.54 | 7 | 692.18 | 1 | 788.82 | 7 | 885.46 |
| 1/8 | 27.42 | 1/8 | 121.31 | 1/8 | 213.62 | 1/8 | 307.64 | 1/8 | 404.28 | 1/8 | 500.92 | 1/8 | 597.56 | 1/8 | 694.20 | 1/8 | 790.83 | 1/8 | 887.47 |
| 1/4 | 29.30 | 1/4 | 123.23 | 1/4 | 215.54 | 1/4 | 309.66 | 1/4 | 406.29 | 1/4 | 502.93 | 1/4 | 599.57 | 1/4 | 696.21 | 1/4 | 792.85 | 1/4 | 889.49 |
| 3/8 | 31.17 | 3/8 | 125.16 | 3/8 | 217.47 | 3/8 | 311.67 | 3/8 | 408.31 | 3/8 | 504.95 | 3/8 | 601.58 | 3/8 | 698.22 | 3/8 | 794.86 | 3/8 | 891.50 |
| 1/2 | 33.05 | 1/2 | 127.09 | 1/2 | 219.39 | 1/2 | 313.68 | 1/2 | 410.32 | 1/2 | 506.96 | 1/2 | 603.60 | 1/2 | 700.24 | 1/2 | 796.87 | 1/2 | 893.51 |
| 5/8 | 34.92 | 5/8 | 129.01 | 5/8 | 221.31 | 5/8 | 315.70 | 5/8 | 412.33 | 5/8 | 508.97 | 5/8 | 605.61 | 5/8 | 702.25 | 5/8 | 798.89 | 5/8 | 895.53 |
| 3/4 | 36.79 | 3/4 | 130.94 | 3/4 | 223.23 | 3/4 | 317.71 | 3/4 | 414.35 | 3/4 | 510.99 | 3/4 | 607.62 | 3/4 | 704.26 | 3/4 | 800.90 | 3/4 | 897.54 |
| 7/8 | 38.67 | 7/8 | 132.86 | 7/8 | 225.16 | 7/8 | 319.72 | 7/8 | 416.36 | 7/8 | 513.00 | 7/8 | 609.64 | 7/8 | 706.28 | 7/8 | 802.91 | 7/8 | 899.55 |
| 2 | 40.54 | 8 | 134.79 | 2 | 227.08 | 8 | 321.74 | 2 | 418.37 | 8 | 515.01 | 2 | 611.65 | 8 | 708.29 | 2 | 804.93 | 8 | 901.57 |
| 1/8 | 42.54 | 1/8 | 136.71 | 1/8 | 229.00 | 1/8 | 323.75 | 1/8 | 420.39 | 1/8 | 517.03 | 1/8 | 613.66 | 1/8 | 710.30 | 1/8 | 806.94 | 1/8 | 903.58 |
| 1/4 | 44.53 | 1/4 | 138.64 | 1/4 | 230.93 | 1/4 | 325.76 | 1/4 | 422.40 | 1/4 | 519.04 | 1/4 | 615.68 | 1/4 | 712.32 | 1/4 | 808.95 | 1/4 | 905.59 |
| 3/8 | 46.52 | 3/8 | 140.56 | 3/8 | 232.85 | 3/8 | 327.78 | 3/8 | 424.41 | 3/8 | 521.05 | 3/8 | 617.69 | 3/8 | 714.33 | 3/8 | 810.97 | 3/8 | 907.61 |
| 1/2 | 48.52 | 1/2 | 142.48 | 1/2 | 234.78 | 1/2 | 329.79 | 1/2 | 426.43 | 1/2 | 523.07 | 1/2 | 619.70 | 1/2 | 716.34 | 1/2 | 812.98 | 1/2 | 909.62 |
| 5/8 | 50.51 | 5/8 | 144.41 | 5/8 | 236.70 | 5/8 | 331.80 | 5/8 | 428.44 | 5/8 | 525.08 | 5/8 | 621.72 | 5/8 | 718.36 | 5/8 | 814.99 | 5/8 | 911.63 |
| 3/4 | 52.50 | 3/4 | 146.33 | 3/4 | 238.63 | 3/4 | 333.82 | 3/4 | 430.45 | 3/4 | 527.09 | 3/4 | 623.73 | 3/4 | 720.37 | 3/4 | 817.01 | 3/4 | 913.65 |
| 7/8 | 54.50 | 7/8 | 148.26 | 7/8 | 240.55 | 7/8 | 335.83 | 7/8 | 432.47 | 7/8 | 529.11 | 7/8 | 625.74 | 7/8 | 722.38 | 7/8 | 819.02 | 7/8 | 915.66 |
| 3 | 56.49 | 9 | 150.18 | 3 | 242.48 | 9 | 337.84 | 3 | 434.48 | 9 | 531.12 | 3 | 627.76 | 9 | 724.40 | 3 | 821.03 | 9 | 917.67 |
| 1/8 | 58.49 | 1/8 | 152.10 | 1/8 | 244.41 | 1/8 | 339.86 | 1/8 | 436.49 | 1/8 | 533.13 | 1/8 | 629.77 | 1/8 | 726.41 | 1/8 | 823.05 | 1/8 | 919.69 |
| 1/4 | 60.50 | 1/4 | 154.02 | 1/4 | 246.34 | 1/4 | 341.87 | 1/4 | 438.51 | 1/4 | 535.15 | 1/4 | 631.78 | 1/4 | 728.42 | 1/4 | 825.06 | 1/4 | 921.70 |
| 3/8 | 62.50 | 3/8 | 155.95 | 3/8 | 248.27 | 3/8 | 343.88 | 3/8 | 440.52 | 3/8 | 537.16 | 3/8 | 633.80 | 3/8 | 730.44 | 3/8 | 827.07 | 3/8 | 923.71 |
| 1/2 | 64.50 | 1/2 | 157.87 | 1/2 | 250.20 | 1/2 | 345.90 | 1/2 | 442.53 | 1/2 | 539.17 | 1/2 | 635.81 | 1/2 | 732.45 | 1/2 | 829.09 | 1/2 | 925.73 |
| 5/8 | 66.50 | 5/8 | 159.79 | 5/8 | 252.14 | 5/8 | 347.91 | 5/8 | 444.55 | 5/8 | 541.19 | 5/8 | 637.82 | 5/8 | 734.46 | 5/8 | 831.10 | 5/8 | 927.74 |
| 3/4 | 68.50 | 3/4 | 161.71 | 3/4 | 254.07 | 3/4 | 349.92 | 3/4 | 446.56 | 3/4 | 543.20 | 3/4 | 639.84 | 3/4 | 736.48 | 3/4 | 833.11 | 3/4 | 929.75 |
| 7/8 | 70.51 | 7/8 | 163.64 | 7/8 | 256.00 | 7/8 | 351.94 | 7/8 | 448.57 | 7/8 | 545.21 | 7/8 | 641.85 | 7/8 | 738.49 | 7/8 | 835.13 | 7/8 | 931.77 |
| 4 | 72.51 | 10 | 165.56 | 4 | 257.93 | 10 | 353.95 | 4 | 450.59 | 10 | 547.23 | 4 | 643.86 | 10 | 740.50 | 4 | 837.14 | 10 | 933.78 |
| 1/8 | 74.50 | 1/8 | 167.48 | 1/8 | 259.88 | 1/8 | 355.96 | 1/8 | 452.60 | 1/8 | 549.24 | 1/8 | 645.88 | 1/8 | 742.52 | 1/8 | 839.15 | 1/8 | 935.79 |
| 1/4 | 76.48 | 1/4 | 169.40 | 1/4 | 261.84 | 1/4 | 357.98 | 1/4 | 454.61 | 1/4 | 551.25 | 1/4 | 647.89 | 1/4 | 744.53 | 1/4 | 841.17 | 1/4 | 937.81 |
| 3/8 | 78.47 | 3/8 | 171.33 | 3/8 | 263.79 | 3/8 | 359.99 | 3/8 | 456.63 | 3/8 | 553.27 | 3/8 | 649.90 | 3/8 | 746.54 | 3/8 | 843.18 | 3/8 | 939.82 |
| 1/2 | 80.45 | 1/2 | 173.25 | 1/2 | 265.75 | 1/2 | 362.00 | 1/2 | 458.64 | 1/2 | 555.28 | 1/2 | 651.92 | 1/2 | 748.56 | 1/2 | 845.19 | 1/2 | 941.83 |
| 5/8 | 82.44 | 5/8 | 175.17 | 5/8 | 267.70 | 5/8 | 364.02 | 5/8 | 460.65 | 5/8 | 557.29 | 5/8 | 653.93 | 5/8 | 750.57 | 5/8 | 847.21 | 5/8 | 943.85 |
| 3/4 | 84.43 | 3/4 | 177.09 | 3/4 | 269.66 | 3/4 | 366.03 | 3/4 | 462.67 | 3/4 | 559.31 | 3/4 | 655.94 | 3/4 | 752.58 | 3/4 | 849.22 | 3/4 | 945.86 |
| 7/8 | 86.41 | 7/8 | 179.02 | 7/8 | 271.61 | 7/8 | 368.04 | 7/8 | 464.68 | 7/8 | 561.32 | 7/8 | 657.96 | 7/8 | 754.60 | 7/8 | 851.23 | 7/8 | 947.87 |
| 5 | 88.40 | 11 | 180.94 | 5 | 273.57 | 11 | 370.06 | 5 | 466.69 | 11 | 563.33 | 5 | 659.97 | 11 | 756.61 | 5 | 853.25 | 11 | 949.89 |
| 1/8 | 90.34 | 1/8 | 182.86 | 1/8 | 275.56 | 1/8 | 372.07 | 1/8 | 468.71 | 1/8 | 565.35 | 1/8 | 661.98 | 1/8 | 758.62 | 1/8 | 855.26 | 1/8 | 951.90 |
| 1/4 | 92.29 | 1/4 | 184.78 | 1/4 | 277.56 | 1/4 | 374.08 | 1/4 | 470.72 | 1/4 | 567.36 | 1/4 | 664.00 | 1/4 | 760.64 | 1/4 | 857.27 | 1/4 | 953.91 |
| 3/8 | 94.24 | 3/8 | 186.71 | 3/8 | 279.55 | 3/8 | 376.10 | 3/8 | 472.73 | 3/8 | 569.37 | 3/8 | 666.01 | 3/8 | 762.65 | 3/8 | 859.29 | 3/8 | 955.93 |
| 1/2 | 96.18 | 1/2 | 188.63 | 1/2 | 281.55 | 1/2 | 378.11 | 1/2 | 474.75 | 1/2 | 571.39 | 1/2 | 668.02 | 1/2 | 764.66 | 1/2 | 861.30 | 1/2 | 957.94 |
| 5/8 | 98.13 | 5/8 | 190.55 | 5/8 | 283.54 | 5/8 | 380.12 | 5/8 | 476.76 | 5/8 | 573.40 | 5/8 | 670.04 | 5/8 | 766.68 | 5/8 | 863.31 | 5/8 | 959.95 |
| 3/4 | 100.08 | 3/4 | 192.47 | 3/4 | 285.53 | 3/4 | 382.13 | 3/4 | 478.77 | 3/4 | 575.41 | 3/4 | 672.05 | 3/4 | 768.69 | 3/4 | 865.33 | 3/4 | 961.97 |
| 7/8 | 102.02 | 7/8 | 194.40 | 7/8 | 287.53 | 7/8 | 384.15 | 7/8 | 480.79 | 7/8 | 577.43 | 7/8 | 674.06 | 7/8 | 770.70 | 7/8 | 867.34 | 7/8 | 963.98 |

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE
GAUGE POINT: (MANUAL) LOCATED 10'-10" OFF CENTERLINE AND 23'-06" FORWARD OF AFT BULKHEAD

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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# BARGE "KIRBY 27774"

## 4 PORT
### INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09 1/2"

| IN | 5 FT. | IN | 5 FT. | IN | 6 FT. | IN | 6 FT. | IN | 7 FT. | IN | 7 FT. | IN | 8 FT. | IN | 8 FT. | IN | 9 FT. | IN | 9 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 965.99 | 6 | 1,062.63 | 0 | 1,159.27 | 6 | 1,255.91 | 0 | 1,352.55 | 6 | 1,449.17 | 0 | 1,545.79 | 6 | 1,642.40 | 0 | 1,739.02 | 6 | 1,835.63 |
| 1/8 | 968.01 | 1/8 | 1,064.64 | 1/8 | 1,161.28 | 1/8 | 1,257.92 | 1/8 | 1,354.56 | 1/8 | 1,451.19 | 1/8 | 1,547.80 | 1/8 | 1,644.42 | 1/8 | 1,741.03 | 1/8 | 1,837.64 |
| 1/4 | 970.02 | 1/4 | 1,066.66 | 1/4 | 1,163.30 | 1/4 | 1,259.93 | 1/4 | 1,356.57 | 1/4 | 1,453.20 | 1/4 | 1,549.81 | 1/4 | 1,646.43 | 1/4 | 1,743.04 | 1/4 | 1,839.66 |
| 3/8 | 972.03 | 3/8 | 1,068.67 | 3/8 | 1,165.31 | 3/8 | 1,261.95 | 3/8 | 1,358.59 | 3/8 | 1,455.21 | 3/8 | 1,551.83 | 3/8 | 1,648.44 | 3/8 | 1,745.06 | 3/8 | 1,841.67 |
| 1/2 | 974.05 | 1/2 | 1,070.68 | 1/2 | 1,167.32 | 1/2 | 1,263.96 | 1/2 | 1,360.60 | 1/2 | 1,457.23 | 1/2 | 1,553.84 | 1/2 | 1,650.45 | 1/2 | 1,747.07 | 1/2 | 1,843.68 |
| 5/8 | 976.06 | 5/8 | 1,072.70 | 5/8 | 1,169.34 | 5/8 | 1,265.97 | 5/8 | 1,362.61 | 5/8 | 1,459.24 | 5/8 | 1,555.85 | 5/8 | 1,652.47 | 5/8 | 1,749.08 | 5/8 | 1,845.70 |
| 3/4 | 978.07 | 3/4 | 1,074.71 | 3/4 | 1,171.35 | 3/4 | 1,267.99 | 3/4 | 1,364.63 | 3/4 | 1,461.25 | 3/4 | 1,557.87 | 3/4 | 1,654.48 | 3/4 | 1,751.09 | 3/4 | 1,847.71 |
| 7/8 | 980.08 | 7/8 | 1,076.72 | 7/8 | 1,173.36 | 7/8 | 1,270.00 | 7/8 | 1,366.64 | 7/8 | 1,463.26 | 7/8 | 1,559.88 | 7/8 | 1,656.49 | 7/8 | 1,753.11 | 7/8 | 1,849.72 |
| 1 | 982.10 | 7 | 1,078.74 | 1 | 1,175.38 | 7 | 1,272.01 | 1 | 1,368.65 | 7 | 1,465.28 | 1 | 1,561.89 | 7 | 1,658.51 | 1 | 1,755.12 | 7 | 1,851.73 |
| 1/8 | 984.11 | 1/8 | 1,080.75 | 1/8 | 1,177.39 | 1/8 | 1,274.03 | 1/8 | 1,370.67 | 1/8 | 1,467.29 | 1/8 | 1,563.90 | 1/8 | 1,660.52 | 1/8 | 1,757.13 | 1/8 | 1,853.75 |
| 1/4 | 986.12 | 1/4 | 1,082.76 | 1/4 | 1,179.40 | 1/4 | 1,276.04 | 1/4 | 1,372.68 | 1/4 | 1,469.30 | 1/4 | 1,565.92 | 1/4 | 1,662.53 | 1/4 | 1,759.15 | 1/4 | 1,855.76 |
| 3/8 | 988.14 | 3/8 | 1,084.78 | 3/8 | 1,181.42 | 3/8 | 1,278.05 | 3/8 | 1,374.69 | 3/8 | 1,471.32 | 3/8 | 1,567.93 | 3/8 | 1,664.54 | 3/8 | 1,761.16 | 3/8 | 1,857.77 |
| 1/2 | 990.15 | 1/2 | 1,086.79 | 1/2 | 1,183.43 | 1/2 | 1,280.07 | 1/2 | 1,376.71 | 1/2 | 1,473.33 | 1/2 | 1,569.94 | 1/2 | 1,666.56 | 1/2 | 1,763.17 | 1/2 | 1,859.79 |
| 5/8 | 992.16 | 5/8 | 1,088.80 | 5/8 | 1,185.44 | 5/8 | 1,282.08 | 5/8 | 1,378.72 | 5/8 | 1,475.34 | 5/8 | 1,571.96 | 5/8 | 1,668.57 | 5/8 | 1,765.18 | 5/8 | 1,861.80 |
| 3/4 | 994.18 | 3/4 | 1,090.82 | 3/4 | 1,187.45 | 3/4 | 1,284.09 | 3/4 | 1,380.73 | 3/4 | 1,477.35 | 3/4 | 1,573.97 | 3/4 | 1,670.58 | 3/4 | 1,767.20 | 3/4 | 1,863.81 |
| 7/8 | 996.19 | 7/8 | 1,092.83 | 7/8 | 1,189.47 | 7/8 | 1,286.11 | 7/8 | 1,382.75 | 7/8 | 1,479.37 | 7/8 | 1,575.98 | 7/8 | 1,672.60 | 7/8 | 1,769.21 | 7/8 | 1,865.82 |
| 2 | 998.20 | 8 | 1,094.84 | 2 | 1,191.48 | 8 | 1,288.12 | 2 | 1,384.76 | 8 | 1,481.38 | 2 | 1,577.99 | 8 | 1,674.61 | 2 | 1,771.22 | 8 | 1,867.84 |
| 1/8 | 1,000.22 | 1/8 | 1,096.86 | 1/8 | 1,193.49 | 1/8 | 1,290.13 | 1/8 | 1,386.77 | 1/8 | 1,483.39 | 1/8 | 1,580.01 | 1/8 | 1,676.62 | 1/8 | 1,773.24 | 1/8 | 1,869.85 |
| 1/4 | 1,002.23 | 1/4 | 1,098.87 | 1/4 | 1,195.51 | 1/4 | 1,292.15 | 1/4 | 1,388.78 | 1/4 | 1,485.40 | 1/4 | 1,582.02 | 1/4 | 1,678.63 | 1/4 | 1,775.25 | 1/4 | 1,871.86 |
| 3/8 | 1,004.24 | 3/8 | 1,100.88 | 3/8 | 1,197.52 | 3/8 | 1,294.16 | 3/8 | 1,390.80 | 3/8 | 1,487.42 | 3/8 | 1,584.03 | 3/8 | 1,680.65 | 3/8 | 1,777.26 | 3/8 | 1,873.88 |
| 1/2 | 1,006.26 | 1/2 | 1,102.90 | 1/2 | 1,199.53 | 1/2 | 1,296.17 | 1/2 | 1,392.81 | 1/2 | 1,489.43 | 1/2 | 1,586.04 | 1/2 | 1,682.66 | 1/2 | 1,779.27 | 1/2 | 1,875.89 |
| 5/8 | 1,008.27 | 5/8 | 1,104.91 | 5/8 | 1,201.55 | 5/8 | 1,298.19 | 5/8 | 1,394.82 | 5/8 | 1,491.44 | 5/8 | 1,588.06 | 5/8 | 1,684.67 | 5/8 | 1,781.29 | 5/8 | 1,877.90 |
| 3/4 | 1,010.28 | 3/4 | 1,106.92 | 3/4 | 1,203.56 | 3/4 | 1,300.20 | 3/4 | 1,396.84 | 3/4 | 1,493.46 | 3/4 | 1,590.07 | 3/4 | 1,686.68 | 3/4 | 1,783.30 | 3/4 | 1,879.91 |
| 7/8 | 1,012.30 | 7/8 | 1,108.94 | 7/8 | 1,205.57 | 7/8 | 1,302.21 | 7/8 | 1,398.85 | 7/8 | 1,495.47 | 7/8 | 1,592.08 | 7/8 | 1,688.70 | 7/8 | 1,785.31 | 7/8 | 1,881.93 |
| 3 | 1,014.31 | 9 | 1,110.95 | 3 | 1,207.59 | 9 | 1,304.23 | 3 | 1,400.86 | 9 | 1,497.48 | 3 | 1,594.10 | 9 | 1,690.71 | 3 | 1,787.32 | 9 | 1,883.94 |
| 1/8 | 1,016.32 | 1/8 | 1,112.96 | 1/8 | 1,209.60 | 1/8 | 1,306.24 | 1/8 | 1,402.88 | 1/8 | 1,499.49 | 1/8 | 1,596.11 | 1/8 | 1,692.72 | 1/8 | 1,789.34 | 1/8 | 1,885.95 |
| 1/4 | 1,018.34 | 1/4 | 1,114.98 | 1/4 | 1,211.61 | 1/4 | 1,308.25 | 1/4 | 1,404.89 | 1/4 | 1,501.51 | 1/4 | 1,598.12 | 1/4 | 1,694.74 | 1/4 | 1,791.35 | 1/4 | 1,887.96 |
| 3/8 | 1,020.35 | 3/8 | 1,116.99 | 3/8 | 1,213.63 | 3/8 | 1,310.27 | 3/8 | 1,406.90 | 3/8 | 1,503.52 | 3/8 | 1,600.13 | 3/8 | 1,696.75 | 3/8 | 1,793.36 | 3/8 | 1,889.98 |
| 1/2 | 1,022.36 | 1/2 | 1,119.00 | 1/2 | 1,215.64 | 1/2 | 1,312.28 | 1/2 | 1,408.92 | 1/2 | 1,505.53 | 1/2 | 1,602.15 | 1/2 | 1,698.76 | 1/2 | 1,795.38 | 1/2 | 1,891.99 |
| 5/8 | 1,024.38 | 5/8 | 1,121.02 | 5/8 | 1,217.65 | 5/8 | 1,314.29 | 5/8 | 1,410.93 | 5/8 | 1,507.55 | 5/8 | 1,604.16 | 5/8 | 1,700.77 | 5/8 | 1,797.39 | 5/8 | 1,894.00 |
| 3/4 | 1,026.39 | 3/4 | 1,123.03 | 3/4 | 1,219.67 | 3/4 | 1,316.31 | 3/4 | 1,412.94 | 3/4 | 1,509.56 | 3/4 | 1,606.17 | 3/4 | 1,702.79 | 3/4 | 1,799.40 | 3/4 | 1,896.02 |
| 7/8 | 1,028.40 | 7/8 | 1,125.04 | 7/8 | 1,221.68 | 7/8 | 1,318.32 | 7/8 | 1,414.96 | 7/8 | 1,511.57 | 7/8 | 1,608.19 | 7/8 | 1,704.80 | 7/8 | 1,801.41 | 7/8 | 1,898.03 |
| 4 | 1,030.42 | 10 | 1,127.06 | 4 | 1,223.69 | 10 | 1,320.33 | 4 | 1,416.97 | 10 | 1,513.58 | 4 | 1,610.20 | 10 | 1,706.81 | 4 | 1,803.43 | 10 | 1,900.04 |
| 1/8 | 1,032.43 | 1/8 | 1,129.07 | 1/8 | 1,225.71 | 1/8 | 1,322.35 | 1/8 | 1,418.98 | 1/8 | 1,515.60 | 1/8 | 1,612.21 | 1/8 | 1,708.83 | 1/8 | 1,805.44 | 1/8 | 1,902.05 |
| 1/4 | 1,034.44 | 1/4 | 1,131.08 | 1/4 | 1,227.72 | 1/4 | 1,324.36 | 1/4 | 1,421.00 | 1/4 | 1,517.61 | 1/4 | 1,614.22 | 1/4 | 1,710.84 | 1/4 | 1,807.45 | 1/4 | 1,904.07 |
| 3/8 | 1,036.46 | 3/8 | 1,133.10 | 3/8 | 1,229.73 | 3/8 | 1,326.37 | 3/8 | 1,423.01 | 3/8 | 1,519.62 | 3/8 | 1,616.24 | 3/8 | 1,712.85 | 3/8 | 1,809.47 | 3/8 | 1,906.08 |
| 1/2 | 1,038.47 | 1/2 | 1,135.11 | 1/2 | 1,231.75 | 1/2 | 1,328.39 | 1/2 | 1,425.02 | 1/2 | 1,521.64 | 1/2 | 1,618.25 | 1/2 | 1,714.86 | 1/2 | 1,811.48 | 1/2 | 1,908.09 |
| 5/8 | 1,040.48 | 5/8 | 1,137.12 | 5/8 | 1,233.76 | 5/8 | 1,330.40 | 5/8 | 1,427.03 | 5/8 | 1,523.65 | 5/8 | 1,620.26 | 5/8 | 1,716.88 | 5/8 | 1,813.49 | 5/8 | 1,910.11 |
| 3/4 | 1,042.50 | 3/4 | 1,139.14 | 3/4 | 1,235.77 | 3/4 | 1,332.41 | 3/4 | 1,429.05 | 3/4 | 1,525.66 | 3/4 | 1,622.28 | 3/4 | 1,718.89 | 3/4 | 1,815.50 | 3/4 | 1,912.12 |
| 7/8 | 1,044.51 | 7/8 | 1,141.15 | 7/8 | 1,237.79 | 7/8 | 1,334.43 | 7/8 | 1,431.06 | 7/8 | 1,527.67 | 7/8 | 1,624.29 | 7/8 | 1,720.90 | 7/8 | 1,817.52 | 7/8 | 1,914.13 |
| 5 | 1,046.52 | 11 | 1,143.16 | 5 | 1,239.80 | 11 | 1,336.44 | 5 | 1,433.07 | 11 | 1,529.69 | 5 | 1,626.30 | 11 | 1,722.92 | 5 | 1,819.53 | 11 | 1,916.14 |
| 1/8 | 1,048.54 | 1/8 | 1,145.18 | 1/8 | 1,241.81 | 1/8 | 1,338.45 | 1/8 | 1,435.08 | 1/8 | 1,531.70 | 1/8 | 1,628.31 | 1/8 | 1,724.93 | 1/8 | 1,821.54 | 1/8 | 1,918.16 |
| 1/4 | 1,050.55 | 1/4 | 1,147.19 | 1/4 | 1,243.83 | 1/4 | 1,340.47 | 1/4 | 1,437.10 | 1/4 | 1,533.71 | 1/4 | 1,630.33 | 1/4 | 1,726.94 | 1/4 | 1,823.56 | 1/4 | 1,920.17 |
| 3/8 | 1,052.56 | 3/8 | 1,149.20 | 3/8 | 1,245.84 | 3/8 | 1,342.48 | 3/8 | 1,439.11 | 3/8 | 1,535.72 | 3/8 | 1,632.34 | 3/8 | 1,728.95 | 3/8 | 1,825.57 | 3/8 | 1,922.18 |
| 1/2 | 1,054.58 | 1/2 | 1,151.22 | 1/2 | 1,247.85 | 1/2 | 1,344.49 | 1/2 | 1,441.12 | 1/2 | 1,537.74 | 1/2 | 1,634.35 | 1/2 | 1,730.97 | 1/2 | 1,827.58 | 1/2 | 1,924.20 |
| 5/8 | 1,056.59 | 5/8 | 1,153.23 | 5/8 | 1,249.87 | 5/8 | 1,346.51 | 5/8 | 1,443.14 | 5/8 | 1,539.75 | 5/8 | 1,636.36 | 5/8 | 1,732.98 | 5/8 | 1,829.59 | 5/8 | 1,926.21 |
| 3/4 | 1,058.60 | 3/4 | 1,155.24 | 3/4 | 1,251.88 | 3/4 | 1,348.52 | 3/4 | 1,445.15 | 3/4 | 1,541.76 | 3/4 | 1,638.38 | 3/4 | 1,734.99 | 3/4 | 1,831.61 | 3/4 | 1,928.22 |
| 7/8 | 1,060.62 | 7/8 | 1,157.26 | 7/8 | 1,253.89 | 7/8 | 1,350.53 | 7/8 | 1,447.16 | 7/8 | 1,543.78 | 7/8 | 1,640.39 | 7/8 | 1,737.00 | 7/8 | 1,833.62 | 7/8 | 1,930.23 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.


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# BARGE "KIRBY 27774"

## 4 PORT

### INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09 1/2"

| IN | 10 FT. | IN | 10 FT. | IN | 11 FT. | IN | 11 FT. | IN | 12 FT. | IN | 12 FT. | IN | 13 FT. | IN | 13 FT. | IN | 14 FT. | IN | 14 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 1,932.25 | 6 | 2,028.74 | 0 | 2,124.59 | 6 | 2,220.42 | 0 | 2,316.24 | 6 | 2,411.24 | 0 | | 6 | | 0 | | 6 | |
| 1/8 | 1,934.26 | 1/8 | 2,030.74 | 1/8 | 2,126.58 | 1/8 | 2,222.41 | 1/8 | 2,318.24 | 1/8 | 2,413.03 | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 1,936.27 | 1/4 | 2,032.74 | 1/4 | 2,128.58 | 1/4 | 2,224.41 | 1/4 | 2,320.23 | 1/4 | 2,414.82 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 1,938.28 | 3/8 | 2,034.74 | 3/8 | 2,130.58 | 3/8 | 2,226.40 | 3/8 | 2,322.22 | 3/8 | 2,416.61 | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 1,940.30 | 1/2 | 2,036.74 | 1/2 | 2,132.57 | 1/2 | 2,228.40 | 1/2 | 2,324.21 | 1/2 | 2,418.40 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 1,942.31 | 5/8 | 2,038.73 | 5/8 | 2,134.57 | 5/8 | 2,230.40 | 5/8 | 2,326.21 | 5/8 | 2,420.19 | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 1,944.32 | 3/4 | 2,040.73 | 3/4 | 2,136.57 | 3/4 | 2,232.39 | 3/4 | 2,328.20 | 3/4 | 2,421.98 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 1,946.34 | 7/8 | 2,042.73 | 7/8 | 2,138.56 | 7/8 | 2,234.39 | 7/8 | 2,330.19 | 7/8 | 2,423.77 | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 1 | 1,948.35 | 7 | 2,044.73 | 1 | 2,140.56 | 7 | 2,236.39 | 1 | 2,332.19 | 7 | 2,425.56 | 1 | | 7 | | 1 | | 7 | |
| 1/8 | 1,950.36 | 1/8 | 2,046.73 | 1/8 | 2,142.56 | 1/8 | 2,238.38 | 1/8 | 2,334.17 | 1/8 | 2,427.04 | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 1,952.37 | 1/4 | 2,048.72 | 1/4 | 2,144.55 | 1/4 | 2,240.38 | 1/4 | 2,336.16 | 1/4 | 2,428.52 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 1,954.38 | 3/8 | 2,050.72 | 3/8 | 2,146.55 | 3/8 | 2,242.38 | 3/8 | 2,338.14 | 3/8 | 2,430.00 | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 1,956.39 | 1/2 | 2,052.72 | 1/2 | 2,148.54 | 1/2 | 2,244.37 | 1/2 | 2,340.13 | 1/2 | 2,431.47 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 1,958.41 | 5/8 | 2,054.71 | 5/8 | 2,150.54 | 5/8 | 2,246.37 | 5/8 | 2,342.11 | 5/8 | 2,432.95 | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 1,960.42 | 3/4 | 2,056.71 | 3/4 | 2,152.54 | 3/4 | 2,248.36 | 3/4 | 2,344.10 | 3/4 | 2,434.43 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 1,962.43 | 7/8 | 2,058.71 | 7/8 | 2,154.53 | 7/8 | 2,250.36 | 7/8 | 2,346.08 | 7/8 | 2,435.91 | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 2 | 1,964.44 | 8 | 2,060.70 | 2 | 2,156.53 | 8 | 2,252.36 | 2 | 2,348.07 | 8 | 2,437.39 | 2 | | 8 | | 2 | | 8 | |
| 1/8 | 1,966.45 | 1/8 | 2,062.70 | 1/8 | 2,158.53 | 1/8 | 2,254.35 | 1/8 | 2,350.05 | 1/8 | 2,438.53 | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 1,968.46 | 1/4 | 2,064.70 | 1/4 | 2,160.52 | 1/4 | 2,256.35 | 1/4 | 2,352.03 | 1/4 | 2,439.67 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 1,970.47 | 3/8 | 2,066.69 | 3/8 | 2,162.52 | 3/8 | 2,258.35 | 3/8 | 2,354.02 | 3/8 | 2,440.82 | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 1,972.48 | 1/2 | 2,068.69 | 1/2 | 2,164.52 | 1/2 | 2,260.34 | 1/2 | 2,356.00 | 1/2 | 2,441.96 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 1,974.49 | 5/8 | 2,070.69 | 5/8 | 2,166.51 | 5/8 | 2,262.34 | 5/8 | 2,357.98 | 5/8 | 2,443.10 | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 1,976.50 | 3/4 | 2,072.68 | 3/4 | 2,168.51 | 3/4 | 2,264.34 | 3/4 | 2,359.96 | 3/4 | 2,444.24 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 1,978.51 | 7/8 | 2,074.68 | 7/8 | 2,170.51 | 7/8 | 2,266.33 | 7/8 | 2,361.94 | 7/8 | 2,445.39 | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 3 | 1,980.52 | 9 | 2,076.67 | 3 | 2,172.50 | 9 | 2,268.33 | 3 | 2,363.92 | 9 | 2,446.53 | 3 | | 9 | | 3 | | 9 | |
| 1/8 | 1,982.53 | 1/8 | 2,078.67 | 1/8 | 2,174.50 | 1/8 | 2,270.33 | 1/8 | 2,365.91 | 1/8 | 2,447.34 | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 1,984.54 | 1/4 | 2,080.67 | 1/4 | 2,176.49 | 1/4 | 2,272.32 | 1/4 | 2,367.89 | 1/4 | 2,448.14 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 1,986.56 | 3/8 | 2,082.66 | 3/8 | 2,178.49 | 3/8 | 2,274.32 | 3/8 | 2,369.87 | 3/8 | | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 1,988.57 | 1/2 | 2,084.66 | 1/2 | 2,180.49 | 1/2 | 2,276.31 | 1/2 | 2,371.85 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 1,990.58 | 5/8 | 2,086.66 | 5/8 | 2,182.48 | 5/8 | 2,278.31 | 5/8 | 2,373.83 | 5/8 | | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 1,992.59 | 3/4 | 2,088.65 | 3/4 | 2,184.48 | 3/4 | 2,280.31 | 3/4 | 2,375.81 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 1,994.60 | 7/8 | 2,090.65 | 7/8 | 2,186.48 | 7/8 | 2,282.30 | 7/8 | 2,377.79 | 7/8 | | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 4 | 1,996.61 | 10 | 2,092.65 | 4 | 2,188.47 | 10 | 2,284.30 | 4 | 2,379.78 | 10 | | 4 | | 10 | | 4 | | 10 | |
| 1/8 | 1,998.62 | 1/8 | 2,094.64 | 1/8 | 2,190.47 | 1/8 | 2,286.30 | 1/8 | 2,381.75 | 1/8 | | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 2,000.63 | 1/4 | 2,096.64 | 1/4 | 2,192.47 | 1/4 | 2,288.29 | 1/4 | 2,383.73 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 2,002.64 | 3/8 | 2,098.63 | 3/8 | 2,194.46 | 3/8 | 2,290.29 | 3/8 | 2,385.71 | 3/8 | | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 2,004.65 | 1/2 | 2,100.63 | 1/2 | 2,196.46 | 1/2 | 2,292.29 | 1/2 | 2,387.69 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 2,006.66 | 5/8 | 2,102.63 | 5/8 | 2,198.45 | 5/8 | 2,294.28 | 5/8 | 2,389.67 | 5/8 | | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 2,008.67 | 3/4 | 2,104.62 | 3/4 | 2,200.45 | 3/4 | 2,296.28 | 3/4 | 2,391.65 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 2,010.68 | 7/8 | 2,106.62 | 7/8 | 2,202.45 | 7/8 | 2,298.27 | 7/8 | 2,393.63 | 7/8 | | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 5 | 2,012.69 | 11 | 2,108.62 | 5 | 2,204.44 | 11 | 2,300.27 | 5 | 2,395.60 | 11 | | 5 | | 11 | | 5 | | 11 | |
| 1/8 | 2,014.70 | 1/8 | 2,110.61 | 1/8 | 2,206.44 | 1/8 | 2,302.27 | 1/8 | 2,397.56 | 1/8 | | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 2,016.70 | 1/4 | 2,112.61 | 1/4 | 2,208.44 | 1/4 | 2,304.26 | 1/4 | 2,399.51 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 2,018.71 | 3/8 | 2,114.61 | 3/8 | 2,210.43 | 3/8 | 2,306.26 | 3/8 | 2,401.47 | 3/8 | | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 2,020.71 | 1/2 | 2,116.60 | 1/2 | 2,212.43 | 1/2 | 2,308.26 | 1/2 | 2,403.42 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 2,022.72 | 5/8 | 2,118.60 | 5/8 | 2,214.43 | 5/8 | 2,310.25 | 5/8 | 2,405.38 | 5/8 | | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 2,024.73 | 3/4 | 2,120.60 | 3/4 | 2,216.42 | 3/4 | 2,312.25 | 3/4 | 2,407.33 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 2,026.73 | 7/8 | 2,122.59 | 7/8 | 2,218.42 | 7/8 | 2,314.25 | 7/8 | 2,409.29 | 7/8 | | 7/8 | | 7/8 | | 7/8 | | 7/8 | |

STRAPPED: 09/17/2009 CL - SW
RECALCULATED: 12/04/2009 CL
REPRINTED: 12/09/2009 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2009

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

# BARGE "KIRBY 27774"

## 4 STBD

### INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09 1/2"

| IN | 0 FT. | IN | 0 FT. | IN | 1 FT. | IN | 1 FT. | IN | 2 FT. | IN | 2 FT. | IN | 3 FT. | IN | 3 FT. | IN | 4 FT. | IN | 4 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 13.48 | 6 | 104.68 | 0 | 201.07 | 6 | 297.44 | 0 | 394.09 | 6 | 490.76 | 0 | 587.42 | 6 | 684.08 | 0 | 780.74 | 6 | 877.41 |
| 1/8 | 14.99 | 1/8 | 106.69 | 1/8 | 203.08 | 1/8 | 299.45 | 1/8 | 396.11 | 1/8 | 492.77 | 1/8 | 589.43 | 1/8 | 686.09 | 1/8 | 782.76 | 1/8 | 879.42 |
| 1/4 | 16.50 | 1/4 | 108.70 | 1/4 | 205.09 | 1/4 | 301.46 | 1/4 | 398.12 | 1/4 | 494.78 | 1/4 | 591.45 | 1/4 | 688.11 | 1/4 | 784.77 | 1/4 | 881.43 |
| 3/8 | 18.01 | 3/8 | 110.72 | 3/8 | 207.09 | 3/8 | 303.48 | 3/8 | 400.14 | 3/8 | 496.80 | 3/8 | 593.46 | 3/8 | 690.12 | 3/8 | 786.78 | 3/8 | 883.45 |
| 1/2 | 19.52 | 1/2 | 112.73 | 1/2 | 209.10 | 1/2 | 305.49 | 1/2 | 402.15 | 1/2 | 498.81 | 1/2 | 595.47 | 1/2 | 692.14 | 1/2 | 788.80 | 1/2 | 885.46 |
| 5/8 | 21.03 | 5/8 | 114.74 | 5/8 | 211.10 | 5/8 | 307.50 | 5/8 | 404.16 | 5/8 | 500.83 | 5/8 | 597.49 | 5/8 | 694.15 | 5/8 | 790.81 | 5/8 | 887.47 |
| 3/4 | 22.54 | 3/4 | 116.76 | 3/4 | 213.11 | 3/4 | 309.52 | 3/4 | 406.18 | 3/4 | 502.84 | 3/4 | 599.50 | 3/4 | 696.16 | 3/4 | 792.83 | 3/4 | 889.49 |
| 7/8 | 24.05 | 7/8 | 118.77 | 7/8 | 215.11 | 7/8 | 311.53 | 7/8 | 408.19 | 7/8 | 504.85 | 7/8 | 601.52 | 7/8 | 698.18 | 7/8 | 794.84 | 7/8 | 891.50 |
| 1 | 25.55 | 7 | 120.78 | 1 | 217.12 | 7 | 313.54 | 1 | 410.20 | 7 | 506.87 | 1 | 603.53 | 7 | 700.19 | 1 | 796.85 | 7 | 893.52 |
| 1/8 | 27.43 | 1/8 | 122.79 | 1/8 | 219.13 | 1/8 | 315.56 | 1/8 | 412.22 | 1/8 | 508.88 | 1/8 | 605.54 | 1/8 | 702.21 | 1/8 | 798.87 | 1/8 | 895.53 |
| 1/4 | 29.30 | 1/4 | 124.81 | 1/4 | 221.13 | 1/4 | 317.57 | 1/4 | 414.23 | 1/4 | 510.89 | 1/4 | 607.56 | 1/4 | 704.22 | 1/4 | 800.88 | 1/4 | 897.54 |
| 3/8 | 31.18 | 3/8 | 126.82 | 3/8 | 223.14 | 3/8 | 319.58 | 3/8 | 416.25 | 3/8 | 512.91 | 3/8 | 609.57 | 3/8 | 706.23 | 3/8 | 802.90 | 3/8 | 899.56 |
| 1/2 | 33.05 | 1/2 | 128.83 | 1/2 | 225.14 | 1/2 | 321.60 | 1/2 | 418.26 | 1/2 | 514.92 | 1/2 | 611.58 | 1/2 | 708.25 | 1/2 | 804.91 | 1/2 | 901.57 |
| 5/8 | 34.93 | 5/8 | 130.84 | 5/8 | 227.15 | 5/8 | 323.61 | 5/8 | 420.27 | 5/8 | 516.94 | 5/8 | 613.60 | 5/8 | 710.26 | 5/8 | 806.92 | 5/8 | 903.59 |
| 3/4 | 36.80 | 3/4 | 132.85 | 3/4 | 229.15 | 3/4 | 325.62 | 3/4 | 422.29 | 3/4 | 518.95 | 3/4 | 615.61 | 3/4 | 712.27 | 3/4 | 808.94 | 3/4 | 905.60 |
| 7/8 | 38.68 | 7/8 | 134.86 | 7/8 | 231.16 | 7/8 | 327.64 | 7/8 | 424.30 | 7/8 | 520.96 | 7/8 | 617.63 | 7/8 | 714.29 | 7/8 | 810.95 | 7/8 | 907.61 |
| 2 | 40.55 | 8 | 136.87 | 2 | 233.17 | 8 | 329.65 | 2 | 426.31 | 8 | 522.98 | 2 | 619.64 | 8 | 716.30 | 2 | 812.96 | 8 | 909.63 |
| 1/8 | 42.54 | 1/8 | 138.88 | 1/8 | 235.17 | 1/8 | 331.67 | 1/8 | 428.33 | 1/8 | 524.99 | 1/8 | 621.65 | 1/8 | 718.32 | 1/8 | 814.98 | 1/8 | 911.64 |
| 1/4 | 44.54 | 1/4 | 140.89 | 1/4 | 237.18 | 1/4 | 333.68 | 1/4 | 430.34 | 1/4 | 527.00 | 1/4 | 623.67 | 1/4 | 720.33 | 1/4 | 816.99 | 1/4 | 913.65 |
| 3/8 | 46.53 | 3/8 | 142.90 | 3/8 | 239.18 | 3/8 | 335.69 | 3/8 | 432.36 | 3/8 | 529.02 | 3/8 | 625.68 | 3/8 | 722.34 | 3/8 | 819.01 | 3/8 | 915.67 |
| 1/2 | 48.53 | 1/2 | 144.91 | 1/2 | 241.19 | 1/2 | 337.71 | 1/2 | 434.37 | 1/2 | 531.03 | 1/2 | 627.69 | 1/2 | 724.36 | 1/2 | 821.02 | 1/2 | 917.68 |
| 5/8 | 50.52 | 5/8 | 146.91 | 5/8 | 243.19 | 5/8 | 339.72 | 5/8 | 436.38 | 5/8 | 533.05 | 5/8 | 629.71 | 5/8 | 726.37 | 5/8 | 823.03 | 5/8 | 919.70 |
| 3/4 | 52.52 | 3/4 | 148.92 | 3/4 | 245.20 | 3/4 | 341.74 | 3/4 | 438.40 | 3/4 | 535.06 | 3/4 | 631.72 | 3/4 | 728.38 | 3/4 | 825.05 | 3/4 | 921.71 |
| 7/8 | 54.51 | 7/8 | 150.93 | 7/8 | 247.21 | 7/8 | 343.75 | 7/8 | 440.41 | 7/8 | 537.07 | 7/8 | 633.74 | 7/8 | 730.40 | 7/8 | 827.06 | 7/8 | 923.72 |
| 3 | 56.50 | 9 | 152.94 | 3 | 249.21 | 9 | 345.76 | 3 | 442.43 | 9 | 539.09 | 3 | 635.75 | 9 | 732.41 | 3 | 829.07 | 9 | 925.74 |
| 1/8 | 58.51 | 1/8 | 154.94 | 1/8 | 251.22 | 1/8 | 347.78 | 1/8 | 444.44 | 1/8 | 541.10 | 1/8 | 637.76 | 1/8 | 734.43 | 1/8 | 831.09 | 1/8 | 927.75 |
| 1/4 | 60.51 | 1/4 | 156.95 | 1/4 | 253.23 | 1/4 | 349.79 | 1/4 | 446.45 | 1/4 | 543.12 | 1/4 | 639.78 | 1/4 | 736.44 | 1/4 | 833.10 | 1/4 | 929.76 |
| 3/8 | 62.51 | 3/8 | 158.95 | 3/8 | 255.23 | 3/8 | 351.80 | 3/8 | 448.47 | 3/8 | 545.13 | 3/8 | 641.79 | 3/8 | 738.45 | 3/8 | 835.12 | 3/8 | 931.78 |
| 1/2 | 64.51 | 1/2 | 160.96 | 1/2 | 257.24 | 1/2 | 353.82 | 1/2 | 450.48 | 1/2 | 547.14 | 1/2 | 643.81 | 1/2 | 740.47 | 1/2 | 837.13 | 1/2 | 933.79 |
| 5/8 | 66.52 | 5/8 | 162.97 | 5/8 | 259.25 | 5/8 | 355.83 | 5/8 | 452.49 | 5/8 | 549.16 | 5/8 | 645.82 | 5/8 | 742.48 | 5/8 | 839.14 | 5/8 | 935.81 |
| 3/4 | 68.52 | 3/4 | 164.97 | 3/4 | 261.26 | 3/4 | 357.85 | 3/4 | 454.51 | 3/4 | 551.17 | 3/4 | 647.83 | 3/4 | 744.50 | 3/4 | 841.16 | 3/4 | 937.82 |
| 7/8 | 70.52 | 7/8 | 166.98 | 7/8 | 263.26 | 7/8 | 359.86 | 7/8 | 456.52 | 7/8 | 553.18 | 7/8 | 649.85 | 7/8 | 746.51 | 7/8 | 843.17 | 7/8 | 939.83 |
| 4 | 72.53 | 10 | 168.98 | 4 | 265.27 | 10 | 361.87 | 4 | 458.54 | 10 | 555.20 | 4 | 651.86 | 10 | 748.52 | 4 | 845.19 | 10 | 941.85 |
| 1/8 | 74.53 | 1/8 | 170.99 | 1/8 | 267.28 | 1/8 | 363.89 | 1/8 | 460.55 | 1/8 | 557.21 | 1/8 | 653.87 | 1/8 | 750.54 | 1/8 | 847.20 | 1/8 | 943.86 |
| 1/4 | 76.54 | 1/4 | 172.99 | 1/4 | 269.29 | 1/4 | 365.90 | 1/4 | 462.56 | 1/4 | 559.23 | 1/4 | 655.89 | 1/4 | 752.55 | 1/4 | 849.21 | 1/4 | 945.88 |
| 3/8 | 78.55 | 3/8 | 175.00 | 3/8 | 271.30 | 3/8 | 367.91 | 3/8 | 464.58 | 3/8 | 561.24 | 3/8 | 657.90 | 3/8 | 754.56 | 3/8 | 851.23 | 3/8 | 947.89 |
| 1/2 | 80.56 | 1/2 | 177.01 | 1/2 | 273.31 | 1/2 | 369.93 | 1/2 | 466.59 | 1/2 | 563.25 | 1/2 | 659.92 | 1/2 | 756.58 | 1/2 | 853.24 | 1/2 | 949.90 |
| 5/8 | 82.57 | 5/8 | 179.01 | 5/8 | 275.32 | 5/8 | 371.94 | 5/8 | 468.60 | 5/8 | 565.27 | 5/8 | 661.93 | 5/8 | 758.59 | 5/8 | 855.25 | 5/8 | 951.92 |
| 3/4 | 84.57 | 3/4 | 181.02 | 3/4 | 277.33 | 3/4 | 373.96 | 3/4 | 470.62 | 3/4 | 567.28 | 3/4 | 663.94 | 3/4 | 760.61 | 3/4 | 857.27 | 3/4 | 953.93 |
| 7/8 | 86.58 | 7/8 | 183.02 | 7/8 | 279.34 | 7/8 | 375.97 | 7/8 | 472.63 | 7/8 | 569.29 | 7/8 | 665.96 | 7/8 | 762.62 | 7/8 | 859.28 | 7/8 | 955.94 |
| 5 | 88.59 | 11 | 185.03 | 5 | 281.35 | 11 | 377.98 | 5 | 474.65 | 11 | 571.31 | 5 | 667.97 | 11 | 764.63 | 5 | 861.30 | 11 | 957.96 |
| 1/8 | 90.60 | 1/8 | 187.03 | 1/8 | 283.36 | 1/8 | 380.00 | 1/8 | 476.66 | 1/8 | 573.32 | 1/8 | 669.98 | 1/8 | 766.65 | 1/8 | 863.31 | 1/8 | 959.97 |
| 1/4 | 92.61 | 1/4 | 189.04 | 1/4 | 285.37 | 1/4 | 382.01 | 1/4 | 478.67 | 1/4 | 575.34 | 1/4 | 672.00 | 1/4 | 768.66 | 1/4 | 865.32 | 1/4 | 961.99 |
| 3/8 | 94.62 | 3/8 | 191.05 | 3/8 | 287.38 | 3/8 | 384.02 | 3/8 | 480.69 | 3/8 | 577.35 | 3/8 | 674.01 | 3/8 | 770.67 | 3/8 | 867.34 | 3/8 | 964.00 |
| 1/2 | 96.63 | 1/2 | 193.05 | 1/2 | 289.39 | 1/2 | 386.04 | 1/2 | 482.70 | 1/2 | 579.36 | 1/2 | 676.03 | 1/2 | 772.69 | 1/2 | 869.35 | 1/2 | 966.01 |
| 5/8 | 98.65 | 5/8 | 195.06 | 5/8 | 291.40 | 5/8 | 388.05 | 5/8 | 484.71 | 5/8 | 581.38 | 5/8 | 678.04 | 5/8 | 774.70 | 5/8 | 871.36 | 5/8 | 968.03 |
| 3/4 | 100.66 | 3/4 | 197.06 | 3/4 | 293.42 | 3/4 | 390.07 | 3/4 | 486.73 | 3/4 | 583.39 | 3/4 | 680.05 | 3/4 | 776.72 | 3/4 | 873.38 | 3/4 | 970.04 |
| 7/8 | 102.67 | 7/8 | 199.07 | 7/8 | 295.43 | 7/8 | 392.08 | 7/8 | 488.74 | 7/8 | 585.40 | 7/8 | 682.07 | 7/8 | 778.73 | 7/8 | 875.39 | 7/8 | 972.05 |

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE

GAUGE POINT: (MANUAL) LOCATED 10'-10" OFF CENTERLINE AND 23'-06" 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 "KIRBY 27774"

## 4 STBD

### INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09 1/2"

| IN | 5 FT. | IN | 5 FT. | IN | 6 FT. | IN | 6 FT. | IN | 7 FT. | IN | 7 FT. | IN | 8 FT. | IN | 8 FT. | IN | 9 FT. | IN | 9 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 974.07 | 6 | 1,070.73 | 0 | 1,167.39 | 6 | 1,264.06 | 0 | 1,360.72 | 6 | 1,457.35 | 0 | 1,553.98 | 6 | 1,650.62 | 0 | 1,747.25 | 6 | 1,843.88 |
| 1/8 | 976.08 | 1/8 | 1,072.74 | 1/8 | 1,169.41 | 1/8 | 1,266.07 | 1/8 | 1,362.73 | 1/8 | 1,459.36 | 1/8 | 1,556.00 | 1/8 | 1,652.63 | 1/8 | 1,749.26 | 1/8 | 1,845.90 |
| 1/4 | 978.10 | 1/4 | 1,074.76 | 1/4 | 1,171.42 | 1/4 | 1,268.08 | 1/4 | 1,364.75 | 1/4 | 1,461.37 | 1/4 | 1,558.01 | 1/4 | 1,654.64 | 1/4 | 1,751.28 | 1/4 | 1,847.91 |
| 3/8 | 980.11 | 3/8 | 1,076.77 | 3/8 | 1,173.43 | 3/8 | 1,270.10 | 3/8 | 1,366.76 | 3/8 | 1,463.39 | 3/8 | 1,560.02 | 3/8 | 1,656.66 | 3/8 | 1,753.29 | 3/8 | 1,849.92 |
| 1/2 | 982.12 | 1/2 | 1,078.79 | 1/2 | 1,175.45 | 1/2 | 1,272.11 | 1/2 | 1,368.77 | 1/2 | 1,465.40 | 1/2 | 1,562.03 | 1/2 | 1,658.67 | 1/2 | 1,755.30 | 1/2 | 1,851.94 |
| 5/8 | 984.14 | 5/8 | 1,080.80 | 5/8 | 1,177.46 | 5/8 | 1,274.12 | 5/8 | 1,370.79 | 5/8 | 1,467.41 | 5/8 | 1,564.05 | 5/8 | 1,660.68 | 5/8 | 1,757.32 | 5/8 | 1,853.95 |
| 3/4 | 986.15 | 3/4 | 1,082.81 | 3/4 | 1,179.48 | 3/4 | 1,276.14 | 3/4 | 1,372.80 | 3/4 | 1,469.43 | 3/4 | 1,566.06 | 3/4 | 1,662.69 | 3/4 | 1,759.33 | 3/4 | 1,855.96 |
| 7/8 | 988.16 | 7/8 | 1,084.83 | 7/8 | 1,181.49 | 7/8 | 1,278.15 | 7/8 | 1,374.81 | 7/8 | 1,471.44 | 7/8 | 1,568.07 | 7/8 | 1,664.71 | 7/8 | 1,761.34 | 7/8 | 1,857.98 |
| 1 | 990.18 | 7 | 1,086.84 | 1 | 1,183.50 | 7 | 1,280.17 | 1 | 1,376.83 | 7 | 1,473.45 | 1 | 1,570.09 | 7 | 1,666.72 | 1 | 1,763.35 | 7 | 1,859.99 |
| 1/8 | 992.19 | 1/8 | 1,088.85 | 1/8 | 1,185.52 | 1/8 | 1,282.18 | 1/8 | 1,378.84 | 1/8 | 1,475.47 | 1/8 | 1,572.10 | 1/8 | 1,668.73 | 1/8 | 1,765.37 | 1/8 | 1,862.00 |
| 1/4 | 994.21 | 1/4 | 1,090.87 | 1/4 | 1,187.53 | 1/4 | 1,284.19 | 1/4 | 1,380.86 | 1/4 | 1,477.48 | 1/4 | 1,574.11 | 1/4 | 1,670.75 | 1/4 | 1,767.38 | 1/4 | 1,864.01 |
| 3/8 | 996.22 | 3/8 | 1,092.88 | 3/8 | 1,189.54 | 3/8 | 1,286.21 | 3/8 | 1,382.87 | 3/8 | 1,479.49 | 3/8 | 1,576.13 | 3/8 | 1,672.76 | 3/8 | 1,769.39 | 3/8 | 1,866.03 |
| 1/2 | 998.23 | 1/2 | 1,094.90 | 1/2 | 1,191.56 | 1/2 | 1,288.22 | 1/2 | 1,384.88 | 1/2 | 1,481.51 | 1/2 | 1,578.14 | 1/2 | 1,674.77 | 1/2 | 1,771.41 | 1/2 | 1,868.04 |
| 5/8 | 1,000.25 | 5/8 | 1,096.91 | 5/8 | 1,193.57 | 5/8 | 1,290.23 | 5/8 | 1,386.90 | 5/8 | 1,483.52 | 5/8 | 1,580.15 | 5/8 | 1,676.79 | 5/8 | 1,773.42 | 5/8 | 1,870.05 |
| 3/4 | 1,002.26 | 3/4 | 1,098.92 | 3/4 | 1,195.59 | 3/4 | 1,292.25 | 3/4 | 1,388.91 | 3/4 | 1,485.53 | 3/4 | 1,582.17 | 3/4 | 1,678.80 | 3/4 | 1,775.43 | 3/4 | 1,872.07 |
| 7/8 | 1,004.28 | 7/8 | 1,100.94 | 7/8 | 1,197.60 | 7/8 | 1,294.26 | 7/8 | 1,390.92 | 7/8 | 1,487.55 | 7/8 | 1,584.18 | 7/8 | 1,680.81 | 7/8 | 1,777.45 | 7/8 | 1,874.08 |
| 2 | 1,006.29 | 8 | 1,102.95 | 2 | 1,199.61 | 8 | 1,296.28 | 2 | 1,392.94 | 8 | 1,489.56 | 2 | 1,586.19 | 8 | 1,682.83 | 2 | 1,779.46 | 8 | 1,876.09 |
| 1/8 | 1,008.30 | 1/8 | 1,104.97 | 1/8 | 1,201.63 | 1/8 | 1,298.29 | 1/8 | 1,394.95 | 1/8 | 1,491.57 | 1/8 | 1,588.21 | 1/8 | 1,684.84 | 1/8 | 1,781.47 | 1/8 | 1,878.11 |
| 1/4 | 1,010.32 | 1/4 | 1,106.98 | 1/4 | 1,203.64 | 1/4 | 1,300.30 | 1/4 | 1,396.97 | 1/4 | 1,493.59 | 1/4 | 1,590.22 | 1/4 | 1,686.85 | 1/4 | 1,783.49 | 1/4 | 1,880.12 |
| 3/8 | 1,012.33 | 3/8 | 1,108.99 | 3/8 | 1,205.66 | 3/8 | 1,302.32 | 3/8 | 1,398.98 | 3/8 | 1,495.60 | 3/8 | 1,592.23 | 3/8 | 1,688.87 | 3/8 | 1,785.50 | 3/8 | 1,882.13 |
| 1/2 | 1,014.34 | 1/2 | 1,111.01 | 1/2 | 1,207.67 | 1/2 | 1,304.33 | 1/2 | 1,400.99 | 1/2 | 1,497.61 | 1/2 | 1,594.25 | 1/2 | 1,690.88 | 1/2 | 1,787.51 | 1/2 | 1,884.15 |
| 5/8 | 1,016.36 | 5/8 | 1,113.02 | 5/8 | 1,209.68 | 5/8 | 1,306.35 | 5/8 | 1,403.01 | 5/8 | 1,499.63 | 5/8 | 1,596.26 | 5/8 | 1,692.89 | 5/8 | 1,789.53 | 5/8 | 1,886.16 |
| 3/4 | 1,018.37 | 3/4 | 1,115.03 | 3/4 | 1,211.70 | 3/4 | 1,308.36 | 3/4 | 1,405.02 | 3/4 | 1,501.64 | 3/4 | 1,598.27 | 3/4 | 1,694.91 | 3/4 | 1,791.54 | 3/4 | 1,888.17 |
| 7/8 | 1,020.39 | 7/8 | 1,117.05 | 7/8 | 1,213.71 | 7/8 | 1,310.37 | 7/8 | 1,407.04 | 7/8 | 1,503.65 | 7/8 | 1,600.29 | 7/8 | 1,696.92 | 7/8 | 1,793.55 | 7/8 | 1,890.19 |
| 3 | 1,022.40 | 9 | 1,119.06 | 3 | 1,215.72 | 9 | 1,312.39 | 3 | 1,409.05 | 9 | 1,505.67 | 3 | 1,602.30 | 9 | 1,698.93 | 3 | 1,795.57 | 9 | 1,892.20 |
| 1/8 | 1,024.41 | 1/8 | 1,121.08 | 1/8 | 1,217.74 | 1/8 | 1,314.40 | 1/8 | 1,411.06 | 1/8 | 1,507.68 | 1/8 | 1,604.31 | 1/8 | 1,700.95 | 1/8 | 1,797.58 | 1/8 | 1,894.21 |
| 1/4 | 1,026.43 | 1/4 | 1,123.09 | 1/4 | 1,219.75 | 1/4 | 1,316.41 | 1/4 | 1,413.07 | 1/4 | 1,509.69 | 1/4 | 1,606.33 | 1/4 | 1,702.96 | 1/4 | 1,799.59 | 1/4 | 1,896.23 |
| 3/8 | 1,028.44 | 3/8 | 1,125.10 | 3/8 | 1,221.77 | 3/8 | 1,318.43 | 3/8 | 1,415.08 | 3/8 | 1,511.70 | 3/8 | 1,608.34 | 3/8 | 1,704.97 | 3/8 | 1,801.61 | 3/8 | 1,898.24 |
| 1/2 | 1,030.45 | 1/2 | 1,127.12 | 1/2 | 1,223.78 | 1/2 | 1,320.44 | 1/2 | 1,417.09 | 1/2 | 1,513.72 | 1/2 | 1,610.35 | 1/2 | 1,706.99 | 1/2 | 1,803.62 | 1/2 | 1,900.25 |
| 5/8 | 1,032.47 | 5/8 | 1,129.13 | 5/8 | 1,225.79 | 5/8 | 1,322.46 | 5/8 | 1,419.10 | 5/8 | 1,515.73 | 5/8 | 1,612.36 | 5/8 | 1,709.00 | 5/8 | 1,805.63 | 5/8 | 1,902.27 |
| 3/4 | 1,034.48 | 3/4 | 1,131.14 | 3/4 | 1,227.81 | 3/4 | 1,324.47 | 3/4 | 1,421.12 | 3/4 | 1,517.74 | 3/4 | 1,614.38 | 3/4 | 1,711.01 | 3/4 | 1,807.65 | 3/4 | 1,904.28 |
| 7/8 | 1,036.50 | 7/8 | 1,133.16 | 7/8 | 1,229.82 | 7/8 | 1,326.48 | 7/8 | 1,423.13 | 7/8 | 1,519.76 | 7/8 | 1,616.39 | 7/8 | 1,713.02 | 7/8 | 1,809.66 | 7/8 | 1,906.29 |
| 4 | 1,038.51 | 10 | 1,135.17 | 4 | 1,231.83 | 10 | 1,328.50 | 4 | 1,425.14 | 10 | 1,521.77 | 4 | 1,618.40 | 10 | 1,715.04 | 4 | 1,811.67 | 10 | 1,908.31 |
| 1/8 | 1,040.52 | 1/8 | 1,137.19 | 1/8 | 1,233.85 | 1/8 | 1,330.51 | 1/8 | 1,427.15 | 1/8 | 1,523.78 | 1/8 | 1,620.42 | 1/8 | 1,717.05 | 1/8 | 1,813.68 | 1/8 | 1,910.32 |
| 1/4 | 1,042.54 | 1/4 | 1,139.20 | 1/4 | 1,235.86 | 1/4 | 1,332.52 | 1/4 | 1,429.16 | 1/4 | 1,525.80 | 1/4 | 1,622.43 | 1/4 | 1,719.06 | 1/4 | 1,815.70 | 1/4 | 1,912.33 |
| 3/8 | 1,044.55 | 3/8 | 1,141.21 | 3/8 | 1,237.88 | 3/8 | 1,334.54 | 3/8 | 1,431.18 | 3/8 | 1,527.81 | 3/8 | 1,624.44 | 3/8 | 1,721.08 | 3/8 | 1,817.71 | 3/8 | 1,914.34 |
| 1/2 | 1,046.57 | 1/2 | 1,143.23 | 1/2 | 1,239.89 | 1/2 | 1,336.55 | 1/2 | 1,433.19 | 1/2 | 1,529.82 | 1/2 | 1,626.46 | 1/2 | 1,723.09 | 1/2 | 1,819.72 | 1/2 | 1,916.36 |
| 5/8 | 1,048.58 | 5/8 | 1,145.24 | 5/8 | 1,241.90 | 5/8 | 1,338.57 | 5/8 | 1,435.20 | 5/8 | 1,531.84 | 5/8 | 1,628.47 | 5/8 | 1,725.10 | 5/8 | 1,821.74 | 5/8 | 1,918.37 |
| 3/4 | 1,050.59 | 3/4 | 1,147.26 | 3/4 | 1,243.92 | 3/4 | 1,340.58 | 3/4 | 1,437.22 | 3/4 | 1,533.85 | 3/4 | 1,630.48 | 3/4 | 1,727.12 | 3/4 | 1,823.75 | 3/4 | 1,920.38 |
| 7/8 | 1,052.61 | 7/8 | 1,149.27 | 7/8 | 1,245.93 | 7/8 | 1,342.59 | 7/8 | 1,439.23 | 7/8 | 1,535.86 | 7/8 | 1,632.50 | 7/8 | 1,729.13 | 7/8 | 1,825.76 | 7/8 | 1,922.40 |
| 5 | 1,054.62 | 11 | 1,151.28 | 5 | 1,247.95 | 11 | 1,344.61 | 5 | 1,441.24 | 11 | 1,537.88 | 5 | 1,634.51 | 11 | 1,731.14 | 5 | 1,827.78 | 11 | 1,924.41 |
| 1/8 | 1,056.63 | 1/8 | 1,153.30 | 1/8 | 1,249.96 | 1/8 | 1,346.62 | 1/8 | 1,443.26 | 1/8 | 1,539.89 | 1/8 | 1,636.52 | 1/8 | 1,733.16 | 1/8 | 1,829.79 | 1/8 | 1,926.42 |
| 1/4 | 1,058.65 | 1/4 | 1,155.31 | 1/4 | 1,251.97 | 1/4 | 1,348.64 | 1/4 | 1,445.27 | 1/4 | 1,541.90 | 1/4 | 1,638.54 | 1/4 | 1,735.17 | 1/4 | 1,831.80 | 1/4 | 1,928.44 |
| 3/8 | 1,060.66 | 3/8 | 1,157.32 | 3/8 | 1,253.99 | 3/8 | 1,350.65 | 3/8 | 1,447.28 | 3/8 | 1,543.92 | 3/8 | 1,640.55 | 3/8 | 1,737.18 | 3/8 | 1,833.82 | 3/8 | 1,930.45 |
| 1/2 | 1,062.68 | 1/2 | 1,159.34 | 1/2 | 1,256.00 | 1/2 | 1,352.66 | 1/2 | 1,449.30 | 1/2 | 1,545.93 | 1/2 | 1,642.56 | 1/2 | 1,739.20 | 1/2 | 1,835.83 | 1/2 | 1,932.46 |
| 5/8 | 1,064.69 | 5/8 | 1,161.35 | 5/8 | 1,258.01 | 5/8 | 1,354.68 | 5/8 | 1,451.31 | 5/8 | 1,547.94 | 5/8 | 1,644.58 | 5/8 | 1,741.21 | 5/8 | 1,837.84 | 5/8 | 1,934.48 |
| 3/4 | 1,066.70 | 3/4 | 1,163.37 | 3/4 | 1,260.03 | 3/4 | 1,356.69 | 3/4 | 1,453.32 | 3/4 | 1,549.96 | 3/4 | 1,646.59 | 3/4 | 1,743.22 | 3/4 | 1,839.86 | 3/4 | 1,936.49 |
| 7/8 | 1,068.72 | 7/8 | 1,165.38 | 7/8 | 1,262.04 | 7/8 | 1,358.70 | 7/8 | 1,455.34 | 7/8 | 1,551.97 | 7/8 | 1,648.60 | 7/8 | 1,745.24 | 7/8 | 1,841.87 | 7/8 | 1,938.50 |

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& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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# BARGE "KIRBY 27774"

## 4 STBD

### INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09 1/2"

| IN | 10 FT. | IN | 10 FT. | IN | 11 FT. | IN | 11 FT. | IN | 12 FT. | IN | 12 FT. | IN | 13 FT. | IN | 13 FT. | IN | 14 FT. | IN | 14 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 1,940.52 | 6 | 2,037.05 | 0 | 2,132.92 | 6 | 2,228.77 | 0 | 2,324.62 | 6 | 2,419.63 | 0 | | 6 | | 0 | | 6 | |
| 1/8 | 1,942.53 | 1/8 | 2,039.05 | 1/8 | 2,134.92 | 1/8 | 2,230.77 | 1/8 | 2,326.62 | 1/8 | 2,421.42 | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 1,944.54 | 1/4 | 2,041.05 | 1/4 | 2,136.91 | 1/4 | 2,232.76 | 1/4 | 2,328.61 | 1/4 | 2,423.21 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 1,946.56 | 3/8 | 2,043.05 | 3/8 | 2,138.91 | 3/8 | 2,234.76 | 3/8 | 2,330.60 | 3/8 | 2,425.00 | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 1,948.57 | 1/2 | 2,045.05 | 1/2 | 2,140.91 | 1/2 | 2,236.76 | 1/2 | 2,332.59 | 1/2 | 2,426.79 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 1,950.58 | 5/8 | 2,047.04 | 5/8 | 2,142.90 | 5/8 | 2,238.76 | 5/8 | 2,334.59 | 5/8 | 2,428.58 | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 1,952.60 | 3/4 | 2,049.04 | 3/4 | 2,144.90 | 3/4 | 2,240.75 | 3/4 | 2,336.58 | 3/4 | 2,430.37 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 1,954.61 | 7/8 | 2,051.04 | 7/8 | 2,146.90 | 7/8 | 2,242.75 | 7/8 | 2,338.57 | 7/8 | 2,432.16 | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 1 | 1,956.62 | 7 | 2,053.04 | 1 | 2,148.89 | 7 | 2,244.75 | 1 | 2,340.57 | 7 | 2,433.95 | 1 | | 7 | | 1 | | 7 | |
| 1/8 | 1,958.64 | 1/8 | 2,055.04 | 1/8 | 2,150.89 | 1/8 | 2,246.74 | 1/8 | 2,342.55 | 1/8 | 2,435.43 | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 1,960.65 | 1/4 | 2,057.04 | 1/4 | 2,152.89 | 1/4 | 2,248.74 | 1/4 | 2,344.54 | 1/4 | 2,436.91 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 1,962.66 | 3/8 | 2,059.03 | 3/8 | 2,154.89 | 3/8 | 2,250.74 | 3/8 | 2,346.52 | 3/8 | 2,438.39 | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 1,964.68 | 1/2 | 2,061.03 | 1/2 | 2,156.88 | 1/2 | 2,252.73 | 1/2 | 2,348.51 | 1/2 | 2,439.87 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 1,966.69 | 5/8 | 2,063.03 | 5/8 | 2,158.88 | 5/8 | 2,254.73 | 5/8 | 2,350.50 | 5/8 | 2,441.35 | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 1,968.71 | 3/4 | 2,065.03 | 3/4 | 2,160.88 | 3/4 | 2,256.73 | 3/4 | 2,352.48 | 3/4 | 2,442.83 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 1,970.72 | 7/8 | 2,067.02 | 7/8 | 2,162.87 | 7/8 | 2,258.72 | 7/8 | 2,354.47 | 7/8 | 2,444.31 | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 2 | 1,972.73 | 8 | 2,069.02 | 2 | 2,164.87 | 8 | 2,260.72 | 2 | 2,356.45 | 8 | 2,445.78 | 2 | | 8 | | 2 | | 8 | |
| 1/8 | 1,974.75 | 1/8 | 2,071.02 | 1/8 | 2,166.87 | 1/8 | 2,262.72 | 1/8 | 2,358.44 | 1/8 | 2,446.93 | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 1,976.76 | 1/4 | 2,073.01 | 1/4 | 2,168.86 | 1/4 | 2,264.72 | 1/4 | 2,360.42 | 1/4 | 2,448.07 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 1,978.77 | 3/8 | 2,075.01 | 3/8 | 2,170.86 | 3/8 | 2,266.71 | 3/8 | 2,362.40 | 3/8 | 2,449.21 | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 1,980.78 | 1/2 | 2,077.01 | 1/2 | 2,172.86 | 1/2 | 2,268.71 | 1/2 | 2,364.38 | 1/2 | 2,450.36 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 1,982.79 | 5/8 | 2,079.00 | 5/8 | 2,174.85 | 5/8 | 2,270.71 | 5/8 | 2,366.36 | 5/8 | 2,451.50 | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 1,984.80 | 3/4 | 2,081.00 | 3/4 | 2,176.85 | 3/4 | 2,272.70 | 3/4 | 2,368.35 | 3/4 | 2,452.64 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 1,986.81 | 7/8 | 2,083.00 | 7/8 | 2,178.85 | 7/8 | 2,274.70 | 7/8 | 2,370.33 | 7/8 | 2,453.79 | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 3 | 1,988.82 | 9 | 2,084.99 | 3 | 2,180.85 | 9 | 2,276.70 | 3 | 2,372.31 | 9 | 2,454.93 | 3 | | 9 | | 3 | | 9 | |
| 1/8 | 1,990.83 | 1/8 | 2,086.99 | 1/8 | 2,182.84 | 1/8 | 2,278.69 | 1/8 | 2,374.29 | 1/8 | 2,455.74 | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 1,992.84 | 1/4 | 2,088.99 | 1/4 | 2,184.84 | 1/4 | 2,280.69 | 1/4 | 2,376.27 | 1/4 | 2,456.54 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 1,994.85 | 3/8 | 2,090.98 | 3/8 | 2,186.84 | 3/8 | 2,282.69 | 3/8 | 2,378.26 | 3/8 | | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 1,996.86 | 1/2 | 2,092.98 | 1/2 | 2,188.83 | 1/2 | 2,284.68 | 1/2 | 2,380.24 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 1,998.88 | 5/8 | 2,094.98 | 5/8 | 2,190.83 | 5/8 | 2,286.68 | 5/8 | 2,382.22 | 5/8 | | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 2,000.89 | 3/4 | 2,096.98 | 3/4 | 2,192.83 | 3/4 | 2,288.68 | 3/4 | 2,384.20 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 2,002.90 | 7/8 | 2,098.97 | 7/8 | 2,194.82 | 7/8 | 2,290.67 | 7/8 | 2,386.18 | 7/8 | | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 4 | 2,004.91 | 10 | 2,100.97 | 4 | 2,196.82 | 10 | 2,292.67 | 4 | 2,388.16 | 10 | | 4 | | 10 | | 4 | | 10 | |
| 1/8 | 2,006.92 | 1/8 | 2,102.97 | 1/8 | 2,198.82 | 1/8 | 2,294.67 | 1/8 | 2,390.14 | 1/8 | | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 2,008.93 | 1/4 | 2,104.96 | 1/4 | 2,200.81 | 1/4 | 2,296.67 | 1/4 | 2,392.12 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 2,010.94 | 3/8 | 2,106.96 | 3/8 | 2,202.81 | 3/8 | 2,298.66 | 3/8 | 2,394.10 | 3/8 | | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 2,012.95 | 1/2 | 2,108.96 | 1/2 | 2,204.81 | 1/2 | 2,300.66 | 1/2 | 2,396.08 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 2,014.96 | 5/8 | 2,110.95 | 5/8 | 2,206.80 | 5/8 | 2,302.66 | 5/8 | 2,398.06 | 5/8 | | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 2,016.97 | 3/4 | 2,112.95 | 3/4 | 2,208.80 | 3/4 | 2,304.65 | 3/4 | 2,400.03 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 2,018.98 | 7/8 | 2,114.95 | 7/8 | 2,210.80 | 7/8 | 2,306.65 | 7/8 | 2,402.01 | 7/8 | | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 5 | 2,020.99 | 11 | 2,116.94 | 5 | 2,212.80 | 11 | 2,308.65 | 5 | 2,403.99 | 11 | | 5 | | 11 | | 5 | | 11 | |
| 1/8 | 2,023.00 | 1/8 | 2,118.94 | 1/8 | 2,214.79 | 1/8 | 2,310.64 | 1/8 | 2,405.95 | 1/8 | | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 2,025.01 | 1/4 | 2,120.94 | 1/4 | 2,216.79 | 1/4 | 2,312.64 | 1/4 | 2,407.90 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 2,027.01 | 3/8 | 2,122.94 | 3/8 | 2,218.79 | 3/8 | 2,314.64 | 3/8 | 2,409.86 | 3/8 | | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 2,029.02 | 1/2 | 2,124.93 | 1/2 | 2,220.78 | 1/2 | 2,316.63 | 1/2 | 2,411.81 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 2,031.03 | 5/8 | 2,126.93 | 5/8 | 2,222.78 | 5/8 | 2,318.63 | 5/8 | 2,413.77 | 5/8 | | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 2,033.03 | 3/4 | 2,128.93 | 3/4 | 2,224.78 | 3/4 | 2,320.63 | 3/4 | 2,415.72 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 2,035.04 | 7/8 | 2,130.92 | 7/8 | 2,226.77 | 7/8 | 2,322.63 | 7/8 | 2,417.68 | 7/8 | | 7/8 | | 7/8 | | 7/8 | | 7/8 | |

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RECALCULATED: 12/04/2009 CL
REPRINTED: 12/09/2009 SW

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ALL PRIOR TO 09/2009

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

# BARGE "KIRBY 27774"

## 5 PORT

### INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09 1/2"

| IN | 0 FT. | IN | 0 FT. | IN | 1 FT. | IN | 1 FT. | IN | 2 FT. | IN | 2 FT. | IN | 3 FT. | IN | 3 FT. | IN | 4 FT. | IN | 4 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 18.99 | 6 | 148.62 | 0 | 281.21 | 6 | 412.61 | 0 | 548.71 | 6 | 685.70 | 0 | 822.69 | 6 | 959.67 | 0 | 1,096.66 | 6 | 1,233.65 |
| 1/8 | 21.14 | 1/8 | 151.45 | 1/8 | 283.95 | 1/8 | 415.38 | 1/8 | 551.56 | 1/8 | 688.55 | 1/8 | 825.54 | 1/8 | 962.53 | 1/8 | 1,099.51 | 1/8 | 1,236.50 |
| 1/4 | 23.28 | 1/4 | 154.28 | 1/4 | 286.68 | 1/4 | 418.15 | 1/4 | 554.42 | 1/4 | 691.41 | 1/4 | 828.39 | 1/4 | 965.38 | 1/4 | 1,102.37 | 1/4 | 1,239.35 |
| 3/8 | 25.43 | 3/8 | 157.11 | 3/8 | 289.42 | 3/8 | 420.92 | 3/8 | 557.27 | 3/8 | 694.26 | 3/8 | 831.25 | 3/8 | 968.23 | 3/8 | 1,105.22 | 3/8 | 1,242.21 |
| 1/2 | 27.58 | 1/2 | 159.95 | 1/2 | 292.15 | 1/2 | 423.69 | 1/2 | 560.13 | 1/2 | 697.11 | 1/2 | 834.10 | 1/2 | 971.09 | 1/2 | 1,108.08 | 1/2 | 1,245.06 |
| 5/8 | 29.72 | 5/8 | 162.78 | 5/8 | 294.89 | 5/8 | 426.46 | 5/8 | 562.98 | 5/8 | 699.97 | 5/8 | 836.95 | 5/8 | 973.94 | 5/8 | 1,110.93 | 5/8 | 1,247.92 |
| 3/4 | 31.87 | 3/4 | 165.61 | 3/4 | 297.63 | 3/4 | 429.23 | 3/4 | 565.83 | 3/4 | 702.82 | 3/4 | 839.81 | 3/4 | 976.80 | 3/4 | 1,113.78 | 3/4 | 1,250.77 |
| 7/8 | 34.01 | 7/8 | 168.44 | 7/8 | 300.36 | 7/8 | 432.00 | 7/8 | 568.69 | 7/8 | 705.68 | 7/8 | 842.66 | 7/8 | 979.65 | 7/8 | 1,116.64 | 7/8 | 1,253.62 |
| 1 | 36.16 | 7 | 171.27 | 1 | 303.10 | 7 | 434.78 | 1 | 571.54 | 7 | 708.53 | 1 | 845.52 | 7 | 982.50 | 1 | 1,119.49 | 7 | 1,256.48 |
| 1/8 | 38.82 | 1/8 | 174.05 | 1/8 | 305.84 | 1/8 | 437.60 | 1/8 | 574.40 | 1/8 | 711.38 | 1/8 | 848.37 | 1/8 | 985.36 | 1/8 | 1,122.34 | 1/8 | 1,259.33 |
| 1/4 | 41.49 | 1/4 | 176.83 | 1/4 | 308.57 | 1/4 | 440.43 | 1/4 | 577.25 | 1/4 | 714.24 | 1/4 | 851.22 | 1/4 | 988.21 | 1/4 | 1,125.20 | 1/4 | 1,262.19 |
| 3/8 | 44.15 | 3/8 | 179.61 | 3/8 | 311.31 | 3/8 | 443.25 | 3/8 | 580.10 | 3/8 | 717.09 | 3/8 | 854.08 | 3/8 | 991.07 | 3/8 | 1,128.05 | 3/8 | 1,265.04 |
| 1/2 | 46.81 | 1/2 | 182.39 | 1/2 | 314.05 | 1/2 | 446.08 | 1/2 | 582.96 | 1/2 | 719.94 | 1/2 | 856.93 | 1/2 | 993.92 | 1/2 | 1,130.91 | 1/2 | 1,267.89 |
| 5/8 | 49.48 | 5/8 | 185.17 | 5/8 | 316.78 | 5/8 | 448.91 | 5/8 | 585.81 | 5/8 | 722.80 | 5/8 | 859.79 | 5/8 | 996.77 | 5/8 | 1,133.76 | 5/8 | 1,270.75 |
| 3/4 | 52.14 | 3/4 | 187.95 | 3/4 | 319.52 | 3/4 | 451.73 | 3/4 | 588.67 | 3/4 | 725.65 | 3/4 | 862.64 | 3/4 | 999.63 | 3/4 | 1,136.61 | 3/4 | 1,273.60 |
| 7/8 | 54.81 | 7/8 | 190.72 | 7/8 | 322.26 | 7/8 | 454.56 | 7/8 | 591.52 | 7/8 | 728.51 | 7/8 | 865.49 | 7/8 | 1,002.48 | 7/8 | 1,139.47 | 7/8 | 1,276.46 |
| 2 | 57.47 | 8 | 193.50 | 2 | 324.99 | 8 | 457.39 | 2 | 594.37 | 8 | 731.36 | 2 | 868.35 | 8 | 1,005.33 | 2 | 1,142.32 | 8 | 1,279.31 |
| 1/8 | 60.31 | 1/8 | 196.25 | 1/8 | 327.73 | 1/8 | 460.24 | 1/8 | 597.23 | 1/8 | 734.21 | 1/8 | 871.20 | 1/8 | 1,008.19 | 1/8 | 1,145.18 | 1/8 | 1,282.16 |
| 1/4 | 63.14 | 1/4 | 199.00 | 1/4 | 330.46 | 1/4 | 463.09 | 1/4 | 600.08 | 1/4 | 737.07 | 1/4 | 874.06 | 1/4 | 1,011.04 | 1/4 | 1,148.03 | 1/4 | 1,285.02 |
| 3/8 | 65.97 | 3/8 | 201.75 | 3/8 | 333.20 | 3/8 | 465.95 | 3/8 | 602.93 | 3/8 | 739.92 | 3/8 | 876.91 | 3/8 | 1,013.90 | 3/8 | 1,150.88 | 3/8 | 1,287.87 |
| 1/2 | 68.81 | 1/2 | 204.50 | 1/2 | 335.94 | 1/2 | 468.80 | 1/2 | 605.79 | 1/2 | 742.78 | 1/2 | 879.76 | 1/2 | 1,016.75 | 1/2 | 1,153.74 | 1/2 | 1,290.72 |
| 5/8 | 71.64 | 5/8 | 207.25 | 5/8 | 338.67 | 5/8 | 471.66 | 5/8 | 608.64 | 5/8 | 745.63 | 5/8 | 882.62 | 5/8 | 1,019.60 | 5/8 | 1,156.59 | 5/8 | 1,293.58 |
| 3/4 | 74.48 | 3/4 | 210.00 | 3/4 | 341.41 | 3/4 | 474.51 | 3/4 | 611.50 | 3/4 | 748.48 | 3/4 | 885.47 | 3/4 | 1,022.46 | 3/4 | 1,159.45 | 3/4 | 1,296.43 |
| 7/8 | 77.31 | 7/8 | 212.75 | 7/8 | 344.15 | 7/8 | 477.36 | 7/8 | 614.35 | 7/8 | 751.34 | 7/8 | 888.32 | 7/8 | 1,025.31 | 7/8 | 1,162.30 | 7/8 | 1,299.29 |
| 3 | 80.14 | 9 | 215.50 | 3 | 346.88 | 9 | 480.22 | 3 | 617.20 | 9 | 754.19 | 3 | 891.18 | 9 | 1,028.17 | 3 | 1,165.15 | 9 | 1,302.14 |
| 1/8 | 82.99 | 1/8 | 218.24 | 1/8 | 349.62 | 1/8 | 483.07 | 1/8 | 620.06 | 1/8 | 757.05 | 1/8 | 894.03 | 1/8 | 1,031.02 | 1/8 | 1,168.01 | 1/8 | 1,304.99 |
| 1/4 | 85.84 | 1/4 | 220.98 | 1/4 | 352.36 | 1/4 | 485.93 | 1/4 | 622.91 | 1/4 | 759.90 | 1/4 | 896.89 | 1/4 | 1,033.87 | 1/4 | 1,170.86 | 1/4 | 1,307.85 |
| 3/8 | 88.68 | 3/8 | 223.72 | 3/8 | 355.09 | 3/8 | 488.78 | 3/8 | 625.77 | 3/8 | 762.75 | 3/8 | 899.74 | 3/8 | 1,036.73 | 3/8 | 1,173.71 | 3/8 | 1,310.70 |
| 1/2 | 91.53 | 1/2 | 226.46 | 1/2 | 357.83 | 1/2 | 491.63 | 1/2 | 628.62 | 1/2 | 765.61 | 1/2 | 902.59 | 1/2 | 1,039.58 | 1/2 | 1,176.57 | 1/2 | 1,313.56 |
| 5/8 | 94.38 | 5/8 | 229.20 | 5/8 | 360.56 | 5/8 | 494.49 | 5/8 | 631.47 | 5/8 | 768.46 | 5/8 | 905.45 | 5/8 | 1,042.44 | 5/8 | 1,179.42 | 5/8 | 1,316.41 |
| 3/4 | 97.22 | 3/4 | 231.94 | 3/4 | 363.30 | 3/4 | 497.34 | 3/4 | 634.33 | 3/4 | 771.31 | 3/4 | 908.30 | 3/4 | 1,045.29 | 3/4 | 1,182.28 | 3/4 | 1,319.26 |
| 7/8 | 100.07 | 7/8 | 234.69 | 7/8 | 366.04 | 7/8 | 500.19 | 7/8 | 637.18 | 7/8 | 774.17 | 7/8 | 911.16 | 7/8 | 1,048.14 | 7/8 | 1,185.13 | 7/8 | 1,322.12 |
| 4 | 102.92 | 10 | 237.43 | 4 | 368.77 | 10 | 503.05 | 4 | 640.04 | 10 | 777.02 | 4 | 914.01 | 10 | 1,051.00 | 4 | 1,187.98 | 10 | 1,324.97 |
| 1/8 | 105.77 | 1/8 | 240.16 | 1/8 | 371.51 | 1/8 | 505.90 | 1/8 | 642.89 | 1/8 | 779.88 | 1/8 | 916.86 | 1/8 | 1,053.85 | 1/8 | 1,190.84 | 1/8 | 1,327.83 |
| 1/4 | 108.63 | 1/4 | 242.90 | 1/4 | 374.25 | 1/4 | 508.76 | 1/4 | 645.74 | 1/4 | 782.73 | 1/4 | 919.72 | 1/4 | 1,056.70 | 1/4 | 1,193.69 | 1/4 | 1,330.68 |
| 3/8 | 111.48 | 3/8 | 245.64 | 3/8 | 376.99 | 3/8 | 511.61 | 3/8 | 648.60 | 3/8 | 785.58 | 3/8 | 922.57 | 3/8 | 1,059.56 | 3/8 | 1,196.55 | 3/8 | 1,333.53 |
| 1/2 | 114.33 | 1/2 | 248.37 | 1/2 | 379.72 | 1/2 | 514.46 | 1/2 | 651.45 | 1/2 | 788.44 | 1/2 | 925.43 | 1/2 | 1,062.41 | 1/2 | 1,199.40 | 1/2 | 1,336.39 |
| 5/8 | 117.19 | 5/8 | 251.11 | 5/8 | 382.46 | 5/8 | 517.32 | 5/8 | 654.31 | 5/8 | 791.29 | 5/8 | 928.28 | 5/8 | 1,065.27 | 5/8 | 1,202.25 | 5/8 | 1,339.24 |
| 3/4 | 120.04 | 3/4 | 253.85 | 3/4 | 385.20 | 3/4 | 520.17 | 3/4 | 657.16 | 3/4 | 794.15 | 3/4 | 931.13 | 3/4 | 1,068.12 | 3/4 | 1,205.11 | 3/4 | 1,342.10 |
| 7/8 | 122.89 | 7/8 | 256.58 | 7/8 | 387.94 | 7/8 | 523.03 | 7/8 | 660.01 | 7/8 | 797.00 | 7/8 | 933.99 | 7/8 | 1,070.97 | 7/8 | 1,207.96 | 7/8 | 1,344.95 |
| 5 | 125.75 | 11 | 259.32 | 5 | 390.68 | 11 | 525.88 | 5 | 662.87 | 11 | 799.85 | 5 | 936.84 | 11 | 1,073.83 | 5 | 1,210.82 | 11 | 1,347.80 |
| 1/8 | 128.61 | 1/8 | 262.05 | 1/8 | 393.42 | 1/8 | 528.73 | 1/8 | 665.72 | 1/8 | 802.71 | 1/8 | 939.70 | 1/8 | 1,076.68 | 1/8 | 1,213.67 | 1/8 | 1,350.66 |
| 1/4 | 131.47 | 1/4 | 264.79 | 1/4 | 396.16 | 1/4 | 531.59 | 1/4 | 668.57 | 1/4 | 805.56 | 1/4 | 942.55 | 1/4 | 1,079.54 | 1/4 | 1,216.52 | 1/4 | 1,353.51 |
| 3/8 | 134.32 | 3/8 | 267.53 | 3/8 | 398.90 | 3/8 | 534.44 | 3/8 | 671.43 | 3/8 | 808.42 | 3/8 | 945.40 | 3/8 | 1,082.39 | 3/8 | 1,219.38 | 3/8 | 1,356.36 |
| 1/2 | 137.18 | 1/2 | 270.26 | 1/2 | 401.64 | 1/2 | 537.30 | 1/2 | 674.28 | 1/2 | 811.27 | 1/2 | 948.26 | 1/2 | 1,085.24 | 1/2 | 1,222.23 | 1/2 | 1,359.22 |
| 5/8 | 140.04 | 5/8 | 273.00 | 5/8 | 404.38 | 5/8 | 540.15 | 5/8 | 677.14 | 5/8 | 814.12 | 5/8 | 951.11 | 5/8 | 1,088.10 | 5/8 | 1,225.09 | 5/8 | 1,362.07 |
| 3/4 | 142.90 | 3/4 | 275.74 | 3/4 | 407.12 | 3/4 | 543.00 | 3/4 | 679.99 | 3/4 | 816.98 | 3/4 | 953.96 | 3/4 | 1,090.95 | 3/4 | 1,227.94 | 3/4 | 1,364.93 |
| 7/8 | 145.76 | 7/8 | 278.47 | 7/8 | 409.86 | 7/8 | 545.86 | 7/8 | 682.84 | 7/8 | 819.83 | 7/8 | 956.82 | 7/8 | 1,093.81 | 7/8 | 1,230.79 | 7/8 | 1,367.78 |

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE

GAUGE POINT: (MANUAL) LOCATED 10'-10" OFF CENTERLINE AND 34'-03" 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 "KIRBY 27774"

## 5 PORT

### INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09 1/2"

| IN | 5 FT. | IN | 5 FT. | IN | 6 FT. | IN | 6 FT. | IN | 7 FT. | IN | 7 FT. | IN | 8 FT. | IN | 8 FT. | IN | 9 FT. | IN | 9 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 1,370.63 | 6 | 1,507.52 | 0 | 1,644.18 | 6 | 1,780.97 | 0 | 1,918.04 | 6 | 2,055.09 | 0 | 2,192.13 | 6 | 2,329.16 | 0 | 2,466.19 | 6 | 2,603.22 |
| 1/8 | 1,373.49 | 1/8 | 1,510.37 | 1/8 | 1,647.03 | 1/8 | 1,783.83 | 1/8 | 1,920.90 | 1/8 | 2,057.95 | 1/8 | 2,194.98 | 1/8 | 2,332.01 | 1/8 | 2,469.04 | 1/8 | 2,606.07 |
| 1/4 | 1,376.34 | 1/4 | 1,513.21 | 1/4 | 1,649.87 | 1/4 | 1,786.69 | 1/4 | 1,923.75 | 1/4 | 2,060.80 | 1/4 | 2,197.83 | 1/4 | 2,334.87 | 1/4 | 2,471.90 | 1/4 | 2,608.93 |
| 3/8 | 1,379.20 | 3/8 | 1,516.06 | 3/8 | 1,652.72 | 3/8 | 1,789.54 | 3/8 | 1,926.61 | 3/8 | 2,063.66 | 3/8 | 2,200.69 | 3/8 | 2,337.72 | 3/8 | 2,474.75 | 3/8 | 2,611.78 |
| 1/2 | 1,382.05 | 1/2 | 1,518.91 | 1/2 | 1,655.57 | 1/2 | 1,792.40 | 1/2 | 1,929.47 | 1/2 | 2,066.51 | 1/2 | 2,203.54 | 1/2 | 2,340.57 | 1/2 | 2,477.61 | 1/2 | 2,614.64 |
| 5/8 | 1,384.90 | 5/8 | 1,521.76 | 5/8 | 1,658.42 | 5/8 | 1,795.25 | 5/8 | 1,932.32 | 5/8 | 2,069.37 | 5/8 | 2,206.40 | 5/8 | 2,343.43 | 5/8 | 2,480.46 | 5/8 | 2,617.49 |
| 3/4 | 1,387.76 | 3/4 | 1,524.60 | 3/4 | 1,661.26 | 3/4 | 1,798.11 | 3/4 | 1,935.18 | 3/4 | 2,072.22 | 3/4 | 2,209.25 | 3/4 | 2,346.28 | 3/4 | 2,483.31 | 3/4 | 2,620.35 |
| 7/8 | 1,390.61 | 7/8 | 1,527.45 | 7/8 | 1,664.11 | 7/8 | 1,800.96 | 7/8 | 1,938.03 | 7/8 | 2,075.08 | 7/8 | 2,212.11 | 7/8 | 2,349.14 | 7/8 | 2,486.17 | 7/8 | 2,623.20 |
| 1 | 1,393.47 | 7 | 1,530.30 | 1 | 1,666.96 | 7 | 1,803.82 | 1 | 1,940.89 | 7 | 2,077.93 | 1 | 2,214.96 | 7 | 2,351.99 | 1 | 2,489.02 | 7 | 2,626.05 |
| 1/8 | 1,396.32 | 1/8 | 1,533.14 | 1/8 | 1,669.80 | 1/8 | 1,806.68 | 1/8 | 1,943.74 | 1/8 | 2,080.79 | 1/8 | 2,217.82 | 1/8 | 2,354.85 | 1/8 | 2,491.88 | 1/8 | 2,628.91 |
| 1/4 | 1,399.17 | 1/4 | 1,535.99 | 1/4 | 1,672.65 | 1/4 | 1,809.53 | 1/4 | 1,946.60 | 1/4 | 2,083.64 | 1/4 | 2,220.67 | 1/4 | 2,357.70 | 1/4 | 2,494.73 | 1/4 | 2,631.76 |
| 3/8 | 1,402.03 | 3/8 | 1,538.84 | 3/8 | 1,675.50 | 3/8 | 1,812.39 | 3/8 | 1,949.46 | 3/8 | 2,086.50 | 3/8 | 2,223.53 | 3/8 | 2,360.56 | 3/8 | 2,497.59 | 3/8 | 2,634.62 |
| 1/2 | 1,404.88 | 1/2 | 1,541.68 | 1/2 | 1,678.35 | 1/2 | 1,815.24 | 1/2 | 1,952.31 | 1/2 | 2,089.35 | 1/2 | 2,226.38 | 1/2 | 2,363.41 | 1/2 | 2,500.44 | 1/2 | 2,637.47 |
| 5/8 | 1,407.73 | 5/8 | 1,544.53 | 5/8 | 1,681.19 | 5/8 | 1,818.10 | 5/8 | 1,955.17 | 5/8 | 2,092.21 | 5/8 | 2,229.24 | 5/8 | 2,366.27 | 5/8 | 2,503.30 | 5/8 | 2,640.33 |
| 3/4 | 1,410.59 | 3/4 | 1,547.38 | 3/4 | 1,684.04 | 3/4 | 1,820.95 | 3/4 | 1,958.02 | 3/4 | 2,095.06 | 3/4 | 2,232.09 | 3/4 | 2,369.12 | 3/4 | 2,506.15 | 3/4 | 2,643.18 |
| 7/8 | 1,413.44 | 7/8 | 1,550.23 | 7/8 | 1,686.89 | 7/8 | 1,823.81 | 7/8 | 1,960.88 | 7/8 | 2,097.92 | 7/8 | 2,234.95 | 7/8 | 2,371.98 | 7/8 | 2,509.01 | 7/8 | 2,646.04 |
| 2 | 1,416.30 | 8 | 1,553.07 | 2 | 1,689.73 | 8 | 1,826.66 | 2 | 1,963.73 | 8 | 2,100.77 | 2 | 2,237.80 | 8 | 2,374.83 | 2 | 2,511.86 | 8 | 2,648.89 |
| 1/8 | 1,419.15 | 1/8 | 1,555.92 | 1/8 | 1,692.58 | 1/8 | 1,829.52 | 1/8 | 1,966.59 | 1/8 | 2,103.63 | 1/8 | 2,240.66 | 1/8 | 2,377.69 | 1/8 | 2,514.72 | 1/8 | 2,651.75 |
| 1/4 | 1,422.00 | 1/4 | 1,558.77 | 1/4 | 1,695.43 | 1/4 | 1,832.38 | 1/4 | 1,969.44 | 1/4 | 2,106.48 | 1/4 | 2,243.51 | 1/4 | 2,380.54 | 1/4 | 2,517.57 | 1/4 | 2,654.60 |
| 3/8 | 1,424.86 | 3/8 | 1,561.61 | 3/8 | 1,698.28 | 3/8 | 1,835.23 | 3/8 | 1,972.30 | 3/8 | 2,109.34 | 3/8 | 2,246.37 | 3/8 | 2,383.40 | 3/8 | 2,520.43 | 3/8 | 2,657.46 |
| 1/2 | 1,427.71 | 1/2 | 1,564.46 | 1/2 | 1,701.12 | 1/2 | 1,838.09 | 1/2 | 1,975.16 | 1/2 | 2,112.19 | 1/2 | 2,249.22 | 1/2 | 2,386.25 | 1/2 | 2,523.28 | 1/2 | 2,660.31 |
| 5/8 | 1,430.57 | 5/8 | 1,567.31 | 5/8 | 1,703.97 | 5/8 | 1,840.94 | 5/8 | 1,978.01 | 5/8 | 2,115.05 | 5/8 | 2,252.08 | 5/8 | 2,389.11 | 5/8 | 2,526.14 | 5/8 | 2,663.17 |
| 3/4 | 1,433.42 | 3/4 | 1,570.16 | 3/4 | 1,706.82 | 3/4 | 1,843.80 | 3/4 | 1,980.87 | 3/4 | 2,117.90 | 3/4 | 2,254.93 | 3/4 | 2,391.96 | 3/4 | 2,528.99 | 3/4 | 2,666.02 |
| 7/8 | 1,436.27 | 7/8 | 1,573.00 | 7/8 | 1,709.66 | 7/8 | 1,846.65 | 7/8 | 1,983.72 | 7/8 | 2,120.76 | 7/8 | 2,257.79 | 7/8 | 2,394.82 | 7/8 | 2,531.85 | 7/8 | 2,668.88 |
| 3 | 1,439.13 | 9 | 1,575.85 | 3 | 1,712.51 | 9 | 1,849.51 | 3 | 1,986.58 | 9 | 2,123.61 | 3 | 2,260.64 | 9 | 2,397.67 | 3 | 2,534.70 | 9 | 2,671.73 |
| 1/8 | 1,441.98 | 1/8 | 1,578.70 | 1/8 | 1,715.36 | 1/8 | 1,852.36 | 1/8 | 1,989.43 | 1/8 | 2,126.46 | 1/8 | 2,263.50 | 1/8 | 2,400.53 | 1/8 | 2,537.56 | 1/8 | 2,674.59 |
| 1/4 | 1,444.83 | 1/4 | 1,581.54 | 1/4 | 1,718.21 | 1/4 | 1,855.22 | 1/4 | 1,992.29 | 1/4 | 2,129.32 | 1/4 | 2,266.35 | 1/4 | 2,403.38 | 1/4 | 2,540.41 | 1/4 | 2,677.44 |
| 3/8 | 1,447.69 | 3/8 | 1,584.39 | 3/8 | 1,721.06 | 3/8 | 1,858.08 | 3/8 | 1,995.14 | 3/8 | 2,132.17 | 3/8 | 2,269.20 | 3/8 | 2,406.24 | 3/8 | 2,543.27 | 3/8 | 2,680.30 |
| 1/2 | 1,450.54 | 1/2 | 1,587.24 | 1/2 | 1,723.91 | 1/2 | 1,860.93 | 1/2 | 1,998.00 | 1/2 | 2,135.03 | 1/2 | 2,272.06 | 1/2 | 2,409.09 | 1/2 | 2,546.12 | 1/2 | 2,683.15 |
| 5/8 | 1,453.39 | 5/8 | 1,590.09 | 5/8 | 1,726.76 | 5/8 | 1,863.79 | 5/8 | 2,000.85 | 5/8 | 2,137.88 | 5/8 | 2,274.91 | 5/8 | 2,411.94 | 5/8 | 2,548.98 | 5/8 | 2,686.01 |
| 3/4 | 1,456.25 | 3/4 | 1,592.93 | 3/4 | 1,729.60 | 3/4 | 1,866.64 | 3/4 | 2,003.71 | 3/4 | 2,140.74 | 3/4 | 2,277.77 | 3/4 | 2,414.80 | 3/4 | 2,551.83 | 3/4 | 2,688.86 |
| 7/8 | 1,459.10 | 7/8 | 1,595.78 | 7/8 | 1,732.45 | 7/8 | 1,869.50 | 7/8 | 2,006.56 | 7/8 | 2,143.59 | 7/8 | 2,280.62 | 7/8 | 2,417.65 | 7/8 | 2,554.68 | 7/8 | 2,691.72 |
| 4 | 1,461.95 | 10 | 1,598.63 | 4 | 1,735.30 | 10 | 1,872.35 | 4 | 2,009.42 | 10 | 2,146.45 | 4 | 2,283.48 | 10 | 2,420.51 | 4 | 2,557.54 | 10 | 2,694.57 |
| 1/8 | 1,464.80 | 1/8 | 1,601.47 | 1/8 | 1,738.16 | 1/8 | 1,875.21 | 1/8 | 2,012.27 | 1/8 | 2,149.30 | 1/8 | 2,286.33 | 1/8 | 2,423.36 | 1/8 | 2,560.39 | 1/8 | 2,697.42 |
| 1/4 | 1,467.65 | 1/4 | 1,604.32 | 1/4 | 1,741.01 | 1/4 | 1,878.07 | 1/4 | 2,015.13 | 1/4 | 2,152.16 | 1/4 | 2,289.19 | 1/4 | 2,426.22 | 1/4 | 2,563.25 | 1/4 | 2,700.28 |
| 3/8 | 1,470.50 | 3/8 | 1,607.17 | 3/8 | 1,743.86 | 3/8 | 1,880.92 | 3/8 | 2,017.98 | 3/8 | 2,155.01 | 3/8 | 2,292.04 | 3/8 | 2,429.07 | 3/8 | 2,566.10 | 3/8 | 2,703.13 |
| 1/2 | 1,473.35 | 1/2 | 1,610.02 | 1/2 | 1,746.72 | 1/2 | 1,883.78 | 1/2 | 2,020.84 | 1/2 | 2,157.87 | 1/2 | 2,294.90 | 1/2 | 2,431.93 | 1/2 | 2,568.96 | 1/2 | 2,705.99 |
| 5/8 | 1,476.20 | 5/8 | 1,612.86 | 5/8 | 1,749.57 | 5/8 | 1,886.63 | 5/8 | 2,023.69 | 5/8 | 2,160.72 | 5/8 | 2,297.75 | 5/8 | 2,434.78 | 5/8 | 2,571.81 | 5/8 | 2,708.84 |
| 3/4 | 1,479.05 | 3/4 | 1,615.71 | 3/4 | 1,752.42 | 3/4 | 1,889.49 | 3/4 | 2,026.55 | 3/4 | 2,163.58 | 3/4 | 2,300.61 | 3/4 | 2,437.64 | 3/4 | 2,574.67 | 3/4 | 2,711.70 |
| 7/8 | 1,481.89 | 7/8 | 1,618.56 | 7/8 | 1,755.28 | 7/8 | 1,892.34 | 7/8 | 2,029.40 | 7/8 | 2,166.43 | 7/8 | 2,303.46 | 7/8 | 2,440.49 | 7/8 | 2,577.52 | 7/8 | 2,714.55 |
| 5 | 1,484.74 | 11 | 1,621.40 | 5 | 1,758.13 | 11 | 1,895.20 | 5 | 2,032.26 | 11 | 2,169.29 | 5 | 2,306.32 | 11 | 2,443.35 | 5 | 2,580.38 | 11 | 2,717.41 |
| 1/8 | 1,487.59 | 1/8 | 1,624.25 | 1/8 | 1,760.99 | 1/8 | 1,898.05 | 1/8 | 2,035.11 | 1/8 | 2,172.14 | 1/8 | 2,309.17 | 1/8 | 2,446.20 | 1/8 | 2,583.23 | 1/8 | 2,720.26 |
| 1/4 | 1,490.44 | 1/4 | 1,627.10 | 1/4 | 1,763.84 | 1/4 | 1,900.91 | 1/4 | 2,037.97 | 1/4 | 2,175.00 | 1/4 | 2,312.03 | 1/4 | 2,449.06 | 1/4 | 2,586.09 | 1/4 | 2,723.12 |
| 3/8 | 1,493.28 | 3/8 | 1,629.94 | 3/8 | 1,766.70 | 3/8 | 1,903.77 | 3/8 | 2,040.82 | 3/8 | 2,177.85 | 3/8 | 2,314.88 | 3/8 | 2,451.91 | 3/8 | 2,588.94 | 3/8 | 2,725.97 |
| 1/2 | 1,496.13 | 1/2 | 1,632.79 | 1/2 | 1,769.55 | 1/2 | 1,906.62 | 1/2 | 2,043.68 | 1/2 | 2,180.71 | 1/2 | 2,317.74 | 1/2 | 2,454.77 | 1/2 | 2,591.80 | 1/2 | 2,728.83 |
| 5/8 | 1,498.98 | 5/8 | 1,635.64 | 5/8 | 1,772.41 | 5/8 | 1,909.48 | 5/8 | 2,046.53 | 5/8 | 2,183.56 | 5/8 | 2,320.59 | 5/8 | 2,457.62 | 5/8 | 2,594.65 | 5/8 | 2,731.68 |
| 3/4 | 1,501.83 | 3/4 | 1,638.49 | 3/4 | 1,775.26 | 3/4 | 1,912.33 | 3/4 | 2,049.39 | 3/4 | 2,186.42 | 3/4 | 2,323.45 | 3/4 | 2,460.48 | 3/4 | 2,597.51 | 3/4 | 2,734.54 |
| 7/8 | 1,504.67 | 7/8 | 1,641.33 | 7/8 | 1,778.12 | 7/8 | 1,915.19 | 7/8 | 2,052.24 | 7/8 | 2,189.27 | 7/8 | 2,326.30 | 7/8 | 2,463.33 | 7/8 | 2,600.36 | 7/8 | 2,737.39 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.


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

# BARGE "KIRBY 27774"

## 5 PORT
### INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09 1/2"

| IN | 10 FT. | IN | 10 FT. | IN | 11 FT. | IN | 11 FT. | IN | 12 FT. | IN | 12 FT. | IN | 13 FT. | IN | 13 FT. | IN | 14 FT. | IN | 14 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2,740.25 | 6 | 2,877.01 | 0 | 3,012.87 | 6 | 3,148.70 | 0 | 3,284.53 | 6 | 3,419.18 | 0 | | 6 | | 0 | | 6 | |
| 1/8 | 2,743.10 | 1/8 | 2,879.84 | 1/8 | 3,015.70 | 1/8 | 3,151.53 | 1/8 | 3,287.35 | 1/8 | 3,421.71 | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 2,745.95 | 1/4 | 2,882.67 | 1/4 | 3,018.53 | 1/4 | 3,154.36 | 1/4 | 3,290.18 | 1/4 | 3,424.25 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 2,748.81 | 3/8 | 2,885.51 | 3/8 | 3,021.36 | 3/8 | 3,157.19 | 3/8 | 3,293.00 | 3/8 | 3,426.79 | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 2,751.66 | 1/2 | 2,888.34 | 1/2 | 3,024.19 | 1/2 | 3,160.02 | 1/2 | 3,295.83 | 1/2 | 3,429.32 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 2,754.51 | 5/8 | 2,891.18 | 5/8 | 3,027.02 | 5/8 | 3,162.85 | 5/8 | 3,298.65 | 5/8 | 3,431.86 | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 2,757.37 | 3/4 | 2,894.01 | 3/4 | 3,029.85 | 3/4 | 3,165.68 | 3/4 | 3,301.48 | 3/4 | 3,434.39 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 2,760.22 | 7/8 | 2,896.84 | 7/8 | 3,032.68 | 7/8 | 3,168.51 | 7/8 | 3,304.30 | 7/8 | 3,436.93 | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 1 | 2,763.07 | 7 | 2,899.68 | 1 | 3,035.51 | 7 | 3,171.34 | 1 | 3,307.13 | 7 | 3,439.47 | 1 | | 7 | | 1 | | 7 | |
| 1/8 | 2,765.92 | 1/8 | 2,902.51 | 1/8 | 3,038.34 | 1/8 | 3,174.17 | 1/8 | 3,309.94 | 1/8 | 3,441.56 | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 2,768.77 | 1/4 | 2,905.34 | 1/4 | 3,041.17 | 1/4 | 3,177.00 | 1/4 | 3,312.76 | 1/4 | 3,443.65 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 2,771.63 | 3/8 | 2,908.17 | 3/8 | 3,044.00 | 3/8 | 3,179.83 | 3/8 | 3,315.57 | 3/8 | 3,445.75 | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 2,774.48 | 1/2 | 2,911.00 | 1/2 | 3,046.83 | 1/2 | 3,182.66 | 1/2 | 3,318.38 | 1/2 | 3,447.84 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 2,777.33 | 5/8 | 2,913.83 | 5/8 | 3,049.66 | 5/8 | 3,185.49 | 5/8 | 3,321.20 | 5/8 | 3,449.93 | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 2,780.18 | 3/4 | 2,916.66 | 3/4 | 3,052.49 | 3/4 | 3,188.32 | 3/4 | 3,324.01 | 3/4 | 3,452.03 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 2,783.03 | 7/8 | 2,919.49 | 7/8 | 3,055.32 | 7/8 | 3,191.15 | 7/8 | 3,326.83 | 7/8 | 3,454.12 | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 2 | 2,785.88 | 8 | 2,922.31 | 2 | 3,058.15 | 8 | 3,193.98 | 2 | 3,329.64 | 8 | 3,456.22 | 2 | | 8 | | 2 | | 8 | |
| 1/8 | 2,788.73 | 1/8 | 2,925.14 | 1/8 | 3,060.98 | 1/8 | 3,196.81 | 1/8 | 3,332.45 | 1/8 | 3,457.83 | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 2,791.58 | 1/4 | 2,927.97 | 1/4 | 3,063.80 | 1/4 | 3,199.64 | 1/4 | 3,335.26 | 1/4 | 3,459.45 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 2,794.43 | 3/8 | 2,930.80 | 3/8 | 3,066.63 | 3/8 | 3,202.47 | 3/8 | 3,338.07 | 3/8 | 3,461.07 | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 2,797.28 | 1/2 | 2,933.63 | 1/2 | 3,069.46 | 1/2 | 3,205.29 | 1/2 | 3,340.88 | 1/2 | 3,462.68 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 2,800.13 | 5/8 | 2,936.46 | 5/8 | 3,072.29 | 5/8 | 3,208.12 | 5/8 | 3,343.69 | 5/8 | 3,464.30 | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 2,802.97 | 3/4 | 2,939.29 | 3/4 | 3,075.12 | 3/4 | 3,210.95 | 3/4 | 3,346.50 | 3/4 | 3,465.91 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 2,805.82 | 7/8 | 2,942.12 | 7/8 | 3,077.95 | 7/8 | 3,213.78 | 7/8 | 3,349.31 | 7/8 | 3,467.53 | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 3 | 2,808.67 | 9 | 2,944.95 | 3 | 3,080.78 | 9 | 3,216.61 | 3 | 3,352.11 | 9 | 3,469.15 | 3 | | 9 | | 3 | | 9 | |
| 1/8 | 2,811.52 | 1/8 | 2,947.78 | 1/8 | 3,083.61 | 1/8 | 3,219.44 | 1/8 | 3,354.92 | 1/8 | 3,470.29 | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 2,814.37 | 1/4 | 2,950.61 | 1/4 | 3,086.44 | 1/4 | 3,222.27 | 1/4 | 3,357.73 | 1/4 | 3,471.43 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 2,817.22 | 3/8 | 2,953.44 | 3/8 | 3,089.27 | 3/8 | 3,225.10 | 3/8 | 3,360.54 | 3/8 | — | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 2,820.07 | 1/2 | 2,956.27 | 1/2 | 3,092.10 | 1/2 | 3,227.93 | 1/2 | 3,363.35 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 2,822.92 | 5/8 | 2,959.10 | 5/8 | 3,094.93 | 5/8 | 3,230.76 | 5/8 | 3,366.15 | 5/8 | | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 2,825.77 | 3/4 | 2,961.93 | 3/4 | 3,097.76 | 3/4 | 3,233.59 | 3/4 | 3,368.96 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 2,828.62 | 7/8 | 2,964.76 | 7/8 | 3,100.59 | 7/8 | 3,236.42 | 7/8 | 3,371.77 | 7/8 | | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 4 | 2,831.47 | 10 | 2,967.59 | 4 | 3,103.42 | 10 | 3,239.25 | 4 | 3,374.58 | 10 | | 4 | | 10 | | 4 | | 10 | |
| 1/8 | 2,834.32 | 1/8 | 2,970.42 | 1/8 | 3,106.25 | 1/8 | 3,242.08 | 1/8 | 3,377.38 | 1/8 | | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 2,837.17 | 1/4 | 2,973.25 | 1/4 | 3,109.08 | 1/4 | 3,244.91 | 1/4 | 3,380.19 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 2,840.01 | 3/8 | 2,976.08 | 3/8 | 3,111.91 | 3/8 | 3,247.74 | 3/8 | 3,382.99 | 3/8 | | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 2,842.86 | 1/2 | 2,978.91 | 1/2 | 3,114.74 | 1/2 | 3,250.57 | 1/2 | 3,385.79 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 2,845.71 | 5/8 | 2,981.74 | 5/8 | 3,117.57 | 5/8 | 3,253.40 | 5/8 | 3,388.60 | 5/8 | | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 2,848.56 | 3/4 | 2,984.57 | 3/4 | 3,120.40 | 3/4 | 3,256.23 | 3/4 | 3,391.40 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 2,851.41 | 7/8 | 2,987.40 | 7/8 | 3,123.23 | 7/8 | 3,259.06 | 7/8 | 3,394.21 | 7/8 | | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 5 | 2,854.26 | 11 | 2,990.23 | 5 | 3,126.06 | 11 | 3,261.89 | 5 | 3,397.01 | 11 | | 5 | | 11 | | 5 | | 11 | |
| 1/8 | 2,857.10 | 1/8 | 2,993.06 | 1/8 | 3,128.89 | 1/8 | 3,264.72 | 1/8 | 3,399.78 | 1/8 | | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 2,859.95 | 1/4 | 2,995.89 | 1/4 | 3,131.72 | 1/4 | 3,267.55 | 1/4 | 3,402.55 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 2,862.79 | 3/8 | 2,998.72 | 3/8 | 3,134.55 | 3/8 | 3,270.38 | 3/8 | 3,405.32 | 3/8 | | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 2,865.63 | 1/2 | 3,001.55 | 1/2 | 3,137.38 | 1/2 | 3,273.21 | 1/2 | 3,408.09 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 2,868.48 | 5/8 | 3,004.38 | 5/8 | 3,140.21 | 5/8 | 3,276.04 | 5/8 | 3,410.87 | 5/8 | | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 2,871.32 | 3/4 | 3,007.21 | 3/4 | 3,143.04 | 3/4 | 3,278.87 | 3/4 | 3,413.64 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 2,874.16 | 7/8 | 3,010.04 | 7/8 | 3,145.87 | 7/8 | 3,281.70 | 7/8 | 3,416.41 | 7/8 | | 7/8 | | 7/8 | | 7/8 | | 7/8 | |

STRAPPED: 09/17/2009 CL - SW
RECALCULATED: 12/04/2009 CL
REPRINTED: 12/09/2009 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2009

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

# BARGE "KIRBY 27774"

## 5 STBD

### INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09 1/2"

| IN | 0 FT. | IN | 0 FT. | IN | 1 FT. | IN | 1 FT. | IN | 2 FT. | IN | 2 FT. | IN | 3 FT. | IN | 3 FT. | IN | 4 FT. | IN | 4 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 18.99 | 6 | 148.62 | 0 | 281.21 | 6 | 412.61 | 0 | 548.71 | 6 | 685.70 | 0 | 822.69 | 6 | 959.67 | 0 | 1,096.66 | 6 | 1,233.65 |
| 1/8 | 21.14 | 1/8 | 151.45 | 1/8 | 283.95 | 1/8 | 415.38 | 1/8 | 551.57 | 1/8 | 688.55 | 1/8 | 825.54 | 1/8 | 962.53 | 1/8 | 1,099.52 | 1/8 | 1,236.50 |
| 1/4 | 23.28 | 1/4 | 154.28 | 1/4 | 286.68 | 1/4 | 418.15 | 1/4 | 554.42 | 1/4 | 691.41 | 1/4 | 828.40 | 1/4 | 965.38 | 1/4 | 1,102.37 | 1/4 | 1,239.36 |
| 3/8 | 25.43 | 3/8 | 157.11 | 3/8 | 289.42 | 3/8 | 420.92 | 3/8 | 557.28 | 3/8 | 694.26 | 3/8 | 831.25 | 3/8 | 968.24 | 3/8 | 1,105.22 | 3/8 | 1,242.21 |
| 1/2 | 27.58 | 1/2 | 159.95 | 1/2 | 292.16 | 1/2 | 423.69 | 1/2 | 560.13 | 1/2 | 697.12 | 1/2 | 834.10 | 1/2 | 971.09 | 1/2 | 1,108.08 | 1/2 | 1,245.06 |
| 5/8 | 29.72 | 5/8 | 162.78 | 5/8 | 294.89 | 5/8 | 426.46 | 5/8 | 562.98 | 5/8 | 699.97 | 5/8 | 836.96 | 5/8 | 973.94 | 5/8 | 1,110.93 | 5/8 | 1,247.92 |
| 3/4 | 31.87 | 3/4 | 165.61 | 3/4 | 297.63 | 3/4 | 429.23 | 3/4 | 565.84 | 3/4 | 702.82 | 3/4 | 839.81 | 3/4 | 976.80 | 3/4 | 1,113.79 | 3/4 | 1,250.77 |
| 7/8 | 34.01 | 7/8 | 168.44 | 7/8 | 300.36 | 7/8 | 432.01 | 7/8 | 568.69 | 7/8 | 705.68 | 7/8 | 842.66 | 7/8 | 979.65 | 7/8 | 1,116.64 | 7/8 | 1,253.63 |
| 1 | 36.16 | 7 | 171.27 | 1 | 303.10 | 7 | 434.78 | 1 | 571.54 | 7 | 708.53 | 1 | 845.52 | 7 | 982.51 | 1 | 1,119.49 | 7 | 1,256.48 |
| 1/8 | 38.82 | 1/8 | 174.05 | 1/8 | 305.84 | 1/8 | 437.60 | 1/8 | 574.40 | 1/8 | 711.39 | 1/8 | 848.37 | 1/8 | 985.36 | 1/8 | 1,122.35 | 1/8 | 1,259.33 |
| 1/4 | 41.49 | 1/4 | 176.83 | 1/4 | 308.57 | 1/4 | 440.43 | 1/4 | 577.25 | 1/4 | 714.24 | 1/4 | 851.23 | 1/4 | 988.21 | 1/4 | 1,125.20 | 1/4 | 1,262.19 |
| 3/8 | 44.15 | 3/8 | 179.61 | 3/8 | 311.31 | 3/8 | 443.26 | 3/8 | 580.11 | 3/8 | 717.09 | 3/8 | 854.08 | 3/8 | 991.07 | 3/8 | 1,128.05 | 3/8 | 1,265.04 |
| 1/2 | 46.81 | 1/2 | 182.39 | 1/2 | 314.05 | 1/2 | 446.08 | 1/2 | 582.96 | 1/2 | 719.95 | 1/2 | 856.93 | 1/2 | 993.92 | 1/2 | 1,130.91 | 1/2 | 1,267.90 |
| 5/8 | 49.48 | 5/8 | 185.17 | 5/8 | 316.78 | 5/8 | 448.91 | 5/8 | 585.81 | 5/8 | 722.80 | 5/8 | 859.79 | 5/8 | 996.78 | 5/8 | 1,133.76 | 5/8 | 1,270.75 |
| 3/4 | 52.14 | 3/4 | 187.95 | 3/4 | 319.52 | 3/4 | 451.74 | 3/4 | 588.67 | 3/4 | 725.66 | 3/4 | 862.64 | 3/4 | 999.63 | 3/4 | 1,136.62 | 3/4 | 1,273.60 |
| 7/8 | 54.81 | 7/8 | 190.72 | 7/8 | 322.26 | 7/8 | 454.56 | 7/8 | 591.52 | 7/8 | 728.51 | 7/8 | 865.50 | 7/8 | 1,002.48 | 7/8 | 1,139.47 | 7/8 | 1,276.46 |
| 2 | 57.47 | 8 | 193.50 | 2 | 324.99 | 8 | 457.39 | 2 | 594.38 | 8 | 731.36 | 2 | 868.35 | 8 | 1,005.34 | 2 | 1,142.32 | 8 | 1,279.31 |
| 1/8 | 60.31 | 1/8 | 196.25 | 1/8 | 327.73 | 1/8 | 460.24 | 1/8 | 597.23 | 1/8 | 734.22 | 1/8 | 871.20 | 1/8 | 1,008.19 | 1/8 | 1,145.18 | 1/8 | 1,282.17 |
| 1/4 | 63.14 | 1/4 | 199.00 | 1/4 | 330.47 | 1/4 | 463.10 | 1/4 | 600.08 | 1/4 | 737.07 | 1/4 | 874.06 | 1/4 | 1,011.05 | 1/4 | 1,148.03 | 1/4 | 1,285.02 |
| 3/8 | 65.97 | 3/8 | 201.75 | 3/8 | 333.20 | 3/8 | 465.95 | 3/8 | 602.94 | 3/8 | 739.92 | 3/8 | 876.91 | 3/8 | 1,013.90 | 3/8 | 1,150.89 | 3/8 | 1,287.87 |
| 1/2 | 68.81 | 1/2 | 204.50 | 1/2 | 335.94 | 1/2 | 468.80 | 1/2 | 605.79 | 1/2 | 742.78 | 1/2 | 879.77 | 1/2 | 1,016.75 | 1/2 | 1,153.74 | 1/2 | 1,290.73 |
| 5/8 | 71.64 | 5/8 | 207.25 | 5/8 | 338.67 | 5/8 | 471.66 | 5/8 | 608.65 | 5/8 | 745.63 | 5/8 | 882.62 | 5/8 | 1,019.61 | 5/8 | 1,156.59 | 5/8 | 1,293.58 |
| 3/4 | 74.48 | 3/4 | 210.00 | 3/4 | 341.41 | 3/4 | 474.51 | 3/4 | 611.50 | 3/4 | 748.49 | 3/4 | 885.47 | 3/4 | 1,022.46 | 3/4 | 1,159.45 | 3/4 | 1,296.44 |
| 7/8 | 77.31 | 7/8 | 212.75 | 7/8 | 344.15 | 7/8 | 477.37 | 7/8 | 614.35 | 7/8 | 751.34 | 7/8 | 888.33 | 7/8 | 1,025.31 | 7/8 | 1,162.30 | 7/8 | 1,299.29 |
| 3 | 80.14 | 9 | 215.50 | 3 | 346.88 | 9 | 480.22 | 3 | 617.21 | 9 | 754.19 | 3 | 891.18 | 9 | 1,028.17 | 3 | 1,165.16 | 9 | 1,302.14 |
| 1/8 | 82.99 | 1/8 | 218.24 | 1/8 | 349.62 | 1/8 | 483.07 | 1/8 | 620.06 | 1/8 | 757.05 | 1/8 | 894.04 | 1/8 | 1,031.02 | 1/8 | 1,168.01 | 1/8 | 1,305.00 |
| 1/4 | 85.84 | 1/4 | 220.98 | 1/4 | 352.36 | 1/4 | 485.93 | 1/4 | 622.91 | 1/4 | 759.90 | 1/4 | 896.89 | 1/4 | 1,033.88 | 1/4 | 1,170.86 | 1/4 | 1,307.85 |
| 3/8 | 88.68 | 3/8 | 223.72 | 3/8 | 355.09 | 3/8 | 488.78 | 3/8 | 625.77 | 3/8 | 762.76 | 3/8 | 899.74 | 3/8 | 1,036.73 | 3/8 | 1,173.72 | 3/8 | 1,310.70 |
| 1/2 | 91.53 | 1/2 | 226.46 | 1/2 | 357.83 | 1/2 | 491.64 | 1/2 | 628.62 | 1/2 | 765.61 | 1/2 | 902.60 | 1/2 | 1,039.58 | 1/2 | 1,176.57 | 1/2 | 1,313.56 |
| 5/8 | 94.38 | 5/8 | 229.20 | 5/8 | 360.57 | 5/8 | 494.49 | 5/8 | 631.48 | 5/8 | 768.46 | 5/8 | 905.45 | 5/8 | 1,042.44 | 5/8 | 1,179.43 | 5/8 | 1,316.41 |
| 3/4 | 97.22 | 3/4 | 231.95 | 3/4 | 363.30 | 3/4 | 497.34 | 3/4 | 634.33 | 3/4 | 771.32 | 3/4 | 908.30 | 3/4 | 1,045.29 | 3/4 | 1,182.28 | 3/4 | 1,319.27 |
| 7/8 | 100.07 | 7/8 | 234.69 | 7/8 | 366.04 | 7/8 | 500.20 | 7/8 | 637.18 | 7/8 | 774.17 | 7/8 | 911.16 | 7/8 | 1,048.15 | 7/8 | 1,185.13 | 7/8 | 1,322.12 |
| 4 | 102.92 | 10 | 237.43 | 4 | 368.77 | 10 | 503.05 | 4 | 640.04 | 10 | 777.03 | 4 | 914.01 | 10 | 1,051.00 | 4 | 1,187.99 | 10 | 1,324.97 |
| 1/8 | 105.77 | 1/8 | 240.16 | 1/8 | 371.51 | 1/8 | 505.90 | 1/8 | 642.89 | 1/8 | 779.88 | 1/8 | 916.87 | 1/8 | 1,053.85 | 1/8 | 1,190.84 | 1/8 | 1,327.83 |
| 1/4 | 108.63 | 1/4 | 242.90 | 1/4 | 374.25 | 1/4 | 508.76 | 1/4 | 645.75 | 1/4 | 782.73 | 1/4 | 919.72 | 1/4 | 1,056.71 | 1/4 | 1,193.69 | 1/4 | 1,330.68 |
| 3/8 | 111.48 | 3/8 | 245.64 | 3/8 | 376.99 | 3/8 | 511.61 | 3/8 | 648.60 | 3/8 | 785.59 | 3/8 | 922.57 | 3/8 | 1,059.56 | 3/8 | 1,196.55 | 3/8 | 1,333.54 |
| 1/2 | 114.33 | 1/2 | 248.37 | 1/2 | 379.73 | 1/2 | 514.47 | 1/2 | 651.45 | 1/2 | 788.44 | 1/2 | 925.43 | 1/2 | 1,062.42 | 1/2 | 1,199.40 | 1/2 | 1,336.39 |
| 5/8 | 117.19 | 5/8 | 251.11 | 5/8 | 382.46 | 5/8 | 517.32 | 5/8 | 654.31 | 5/8 | 791.29 | 5/8 | 928.28 | 5/8 | 1,065.27 | 5/8 | 1,202.26 | 5/8 | 1,339.24 |
| 3/4 | 120.04 | 3/4 | 253.85 | 3/4 | 385.20 | 3/4 | 520.17 | 3/4 | 657.16 | 3/4 | 794.15 | 3/4 | 931.14 | 3/4 | 1,068.12 | 3/4 | 1,205.11 | 3/4 | 1,342.10 |
| 7/8 | 122.89 | 7/8 | 256.58 | 7/8 | 387.94 | 7/8 | 523.03 | 7/8 | 660.02 | 7/8 | 797.00 | 7/8 | 933.99 | 7/8 | 1,070.98 | 7/8 | 1,207.96 | 7/8 | 1,344.95 |
| 5 | 125.75 | 11 | 259.32 | 5 | 390.68 | 11 | 525.88 | 5 | 662.87 | 11 | 799.86 | 5 | 936.84 | 11 | 1,073.83 | 5 | 1,210.82 | 11 | 1,347.81 |
| 1/8 | 128.61 | 1/8 | 262.06 | 1/8 | 393.42 | 1/8 | 528.74 | 1/8 | 665.72 | 1/8 | 802.71 | 1/8 | 939.70 | 1/8 | 1,076.68 | 1/8 | 1,213.67 | 1/8 | 1,350.66 |
| 1/4 | 131.47 | 1/4 | 264.79 | 1/4 | 396.16 | 1/4 | 531.59 | 1/4 | 668.58 | 1/4 | 805.56 | 1/4 | 942.55 | 1/4 | 1,079.54 | 1/4 | 1,216.53 | 1/4 | 1,353.51 |
| 3/8 | 134.32 | 3/8 | 267.53 | 3/8 | 398.90 | 3/8 | 534.44 | 3/8 | 671.43 | 3/8 | 808.42 | 3/8 | 945.41 | 3/8 | 1,082.39 | 3/8 | 1,219.38 | 3/8 | 1,356.37 |
| 1/2 | 137.18 | 1/2 | 270.26 | 1/2 | 401.64 | 1/2 | 537.30 | 1/2 | 674.28 | 1/2 | 811.27 | 1/2 | 948.26 | 1/2 | 1,085.25 | 1/2 | 1,222.23 | 1/2 | 1,359.22 |
| 5/8 | 140.04 | 5/8 | 273.00 | 5/8 | 404.38 | 5/8 | 540.15 | 5/8 | 677.14 | 5/8 | 814.13 | 5/8 | 951.11 | 5/8 | 1,088.10 | 5/8 | 1,225.09 | 5/8 | 1,362.07 |
| 3/4 | 142.90 | 3/4 | 275.74 | 3/4 | 407.13 | 3/4 | 543.01 | 3/4 | 679.99 | 3/4 | 816.98 | 3/4 | 953.97 | 3/4 | 1,090.95 | 3/4 | 1,227.94 | 3/4 | 1,364.93 |
| 7/8 | 145.76 | 7/8 | 278.47 | 7/8 | 409.87 | 7/8 | 545.86 | 7/8 | 682.85 | 7/8 | 819.83 | 7/8 | 956.82 | 7/8 | 1,093.81 | 7/8 | 1,230.80 | 7/8 | 1,367.78 |

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE

GAUGE POINT: (MANUAL) LOCATED 10'-10" OFF CENTERLINE AND 30'-06" 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 "KIRBY 27774"

## 5 STBD

### INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09 1/2"

| IN | 5 FT. | IN | 5 FT. | IN | 6 FT. | IN | 6 FT. | IN | 7 FT. | IN | 7 FT. | IN | 8 FT. | IN | 8 FT. | IN | 9 FT. | IN | 9 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 1,370.64 | 6 | 1,507.53 | 0 | 1,644.19 | 6 | 1,780.98 | 0 | 1,918.05 | 6 | 2,055.10 | 0 | 2,192.13 | 6 | 2,329.16 | 0 | 2,466.19 | 6 | 2,603.23 |
| 1/8 | 1,373.49 | 1/8 | 1,510.37 | 1/8 | 1,647.03 | 1/8 | 1,783.84 | 1/8 | 1,920.91 | 1/8 | 2,057.96 | 1/8 | 2,194.99 | 1/8 | 2,332.02 | 1/8 | 2,469.05 | 1/8 | 2,606.08 |
| 1/4 | 1,376.34 | 1/4 | 1,513.22 | 1/4 | 1,649.88 | 1/4 | 1,786.69 | 1/4 | 1,923.76 | 1/4 | 2,060.81 | 1/4 | 2,197.84 | 1/4 | 2,334.87 | 1/4 | 2,471.90 | 1/4 | 2,608.93 |
| 3/8 | 1,379.20 | 3/8 | 1,516.07 | 3/8 | 1,652.73 | 3/8 | 1,789.55 | 3/8 | 1,926.62 | 3/8 | 2,063.67 | 3/8 | 2,200.70 | 3/8 | 2,337.73 | 3/8 | 2,474.76 | 3/8 | 2,611.79 |
| 1/2 | 1,382.05 | 1/2 | 1,518.92 | 1/2 | 1,655.58 | 1/2 | 1,792.41 | 1/2 | 1,929.47 | 1/2 | 2,066.52 | 1/2 | 2,203.55 | 1/2 | 2,340.58 | 1/2 | 2,477.61 | 1/2 | 2,614.64 |
| 5/8 | 1,384.91 | 5/8 | 1,521.76 | 5/8 | 1,658.42 | 5/8 | 1,795.26 | 5/8 | 1,932.33 | 5/8 | 2,069.38 | 5/8 | 2,206.41 | 5/8 | 2,343.44 | 5/8 | 2,480.47 | 5/8 | 2,617.50 |
| 3/4 | 1,387.76 | 3/4 | 1,524.61 | 3/4 | 1,661.27 | 3/4 | 1,798.12 | 3/4 | 1,935.19 | 3/4 | 2,072.23 | 3/4 | 2,209.26 | 3/4 | 2,346.29 | 3/4 | 2,483.32 | 3/4 | 2,620.35 |
| 7/8 | 1,390.61 | 7/8 | 1,527.46 | 7/8 | 1,664.12 | 7/8 | 1,800.97 | 7/8 | 1,938.04 | 7/8 | 2,075.09 | 7/8 | 2,212.12 | 7/8 | 2,349.15 | 7/8 | 2,486.18 | 7/8 | 2,623.21 |
| 1 | 1,393.47 | 7 | 1,530.30 | 1 | 1,666.96 | 7 | 1,803.83 | 1 | 1,940.90 | 7 | 2,077.94 | 1 | 2,214.97 | 7 | 2,352.00 | 1 | 2,489.03 | 7 | 2,626.06 |
| 1/8 | 1,396.32 | 1/8 | 1,533.15 | 1/8 | 1,669.81 | 1/8 | 1,806.68 | 1/8 | 1,943.75 | 1/8 | 2,080.80 | 1/8 | 2,217.83 | 1/8 | 2,354.86 | 1/8 | 2,491.89 | 1/8 | 2,628.92 |
| 1/4 | 1,399.18 | 1/4 | 1,536.00 | 1/4 | 1,672.66 | 1/4 | 1,809.54 | 1/4 | 1,946.61 | 1/4 | 2,083.65 | 1/4 | 2,220.68 | 1/4 | 2,357.71 | 1/4 | 2,494.74 | 1/4 | 2,631.77 |
| 3/8 | 1,402.03 | 3/8 | 1,538.85 | 3/8 | 1,675.51 | 3/8 | 1,812.39 | 3/8 | 1,949.46 | 3/8 | 2,086.51 | 3/8 | 2,223.54 | 3/8 | 2,360.57 | 3/8 | 2,497.60 | 3/8 | 2,634.63 |
| 1/2 | 1,404.88 | 1/2 | 1,541.69 | 1/2 | 1,678.35 | 1/2 | 1,815.25 | 1/2 | 1,952.32 | 1/2 | 2,089.36 | 1/2 | 2,226.39 | 1/2 | 2,363.42 | 1/2 | 2,500.45 | 1/2 | 2,637.48 |
| 5/8 | 1,407.74 | 5/8 | 1,544.54 | 5/8 | 1,681.20 | 5/8 | 1,818.11 | 5/8 | 1,955.17 | 5/8 | 2,092.22 | 5/8 | 2,229.25 | 5/8 | 2,366.28 | 5/8 | 2,503.31 | 5/8 | 2,640.34 |
| 3/4 | 1,410.59 | 3/4 | 1,547.39 | 3/4 | 1,684.05 | 3/4 | 1,820.96 | 3/4 | 1,958.03 | 3/4 | 2,095.07 | 3/4 | 2,232.10 | 3/4 | 2,369.13 | 3/4 | 2,506.16 | 3/4 | 2,643.19 |
| 7/8 | 1,413.45 | 7/8 | 1,550.23 | 7/8 | 1,686.89 | 7/8 | 1,823.82 | 7/8 | 1,960.89 | 7/8 | 2,097.93 | 7/8 | 2,234.96 | 7/8 | 2,371.99 | 7/8 | 2,509.02 | 7/8 | 2,646.05 |
| 2 | 1,416.30 | 8 | 1,553.08 | 2 | 1,689.74 | 8 | 1,826.67 | 2 | 1,963.74 | 8 | 2,100.78 | 2 | 2,237.81 | 8 | 2,374.84 | 2 | 2,511.87 | 8 | 2,648.90 |
| 1/8 | 1,419.15 | 1/8 | 1,555.93 | 1/8 | 1,692.59 | 1/8 | 1,829.53 | 1/8 | 1,966.60 | 1/8 | 2,103.64 | 1/8 | 2,240.67 | 1/8 | 2,377.70 | 1/8 | 2,514.73 | 1/8 | 2,651.76 |
| 1/4 | 1,422.01 | 1/4 | 1,558.77 | 1/4 | 1,695.44 | 1/4 | 1,832.38 | 1/4 | 1,969.45 | 1/4 | 2,106.49 | 1/4 | 2,243.52 | 1/4 | 2,380.55 | 1/4 | 2,517.58 | 1/4 | 2,654.61 |
| 3/8 | 1,424.86 | 3/8 | 1,561.62 | 3/8 | 1,698.28 | 3/8 | 1,835.24 | 3/8 | 1,972.31 | 3/8 | 2,109.34 | 3/8 | 2,246.38 | 3/8 | 2,383.41 | 3/8 | 2,520.44 | 3/8 | 2,657.47 |
| 1/2 | 1,427.71 | 1/2 | 1,564.47 | 1/2 | 1,701.13 | 1/2 | 1,838.09 | 1/2 | 1,975.16 | 1/2 | 2,112.20 | 1/2 | 2,249.23 | 1/2 | 2,386.26 | 1/2 | 2,523.29 | 1/2 | 2,660.32 |
| 5/8 | 1,430.57 | 5/8 | 1,567.32 | 5/8 | 1,703.98 | 5/8 | 1,840.95 | 5/8 | 1,978.02 | 5/8 | 2,115.05 | 5/8 | 2,252.08 | 5/8 | 2,389.12 | 5/8 | 2,526.15 | 5/8 | 2,663.18 |
| 3/4 | 1,433.42 | 3/4 | 1,570.16 | 3/4 | 1,706.82 | 3/4 | 1,843.81 | 3/4 | 1,980.87 | 3/4 | 2,117.91 | 3/4 | 2,254.94 | 3/4 | 2,391.97 | 3/4 | 2,529.00 | 3/4 | 2,666.03 |
| 7/8 | 1,436.28 | 7/8 | 1,573.01 | 7/8 | 1,709.67 | 7/8 | 1,846.66 | 7/8 | 1,983.73 | 7/8 | 2,120.76 | 7/8 | 2,257.79 | 7/8 | 2,394.82 | 7/8 | 2,531.86 | 7/8 | 2,668.89 |
| 3 | 1,439.13 | 9 | 1,575.86 | 3 | 1,712.52 | 9 | 1,849.52 | 3 | 1,986.59 | 9 | 2,123.62 | 3 | 2,260.65 | 9 | 2,397.68 | 3 | 2,534.71 | 9 | 2,671.74 |
| 1/8 | 1,441.98 | 1/8 | 1,578.70 | 1/8 | 1,715.37 | 1/8 | 1,852.37 | 1/8 | 1,989.44 | 1/8 | 2,126.47 | 1/8 | 2,263.50 | 1/8 | 2,400.53 | 1/8 | 2,537.56 | 1/8 | 2,674.60 |
| 1/4 | 1,444.84 | 1/4 | 1,581.55 | 1/4 | 1,718.22 | 1/4 | 1,855.23 | 1/4 | 1,992.30 | 1/4 | 2,129.33 | 1/4 | 2,266.36 | 1/4 | 2,403.39 | 1/4 | 2,540.42 | 1/4 | 2,677.45 |
| 3/8 | 1,447.69 | 3/8 | 1,584.40 | 3/8 | 1,721.07 | 3/8 | 1,858.08 | 3/8 | 1,995.15 | 3/8 | 2,132.18 | 3/8 | 2,269.21 | 3/8 | 2,406.24 | 3/8 | 2,543.27 | 3/8 | 2,680.30 |
| 1/2 | 1,450.54 | 1/2 | 1,587.25 | 1/2 | 1,723.91 | 1/2 | 1,860.94 | 1/2 | 1,998.01 | 1/2 | 2,135.04 | 1/2 | 2,272.07 | 1/2 | 2,409.10 | 1/2 | 2,546.13 | 1/2 | 2,683.16 |
| 5/8 | 1,453.40 | 5/8 | 1,590.09 | 5/8 | 1,726.76 | 5/8 | 1,863.80 | 5/8 | 2,000.86 | 5/8 | 2,137.89 | 5/8 | 2,274.92 | 5/8 | 2,411.95 | 5/8 | 2,548.98 | 5/8 | 2,686.01 |
| 3/4 | 1,456.25 | 3/4 | 1,592.94 | 3/4 | 1,729.61 | 3/4 | 1,866.65 | 3/4 | 2,003.72 | 3/4 | 2,140.75 | 3/4 | 2,277.78 | 3/4 | 2,414.81 | 3/4 | 2,551.84 | 3/4 | 2,688.87 |
| 7/8 | 1,459.11 | 7/8 | 1,595.79 | 7/8 | 1,732.46 | 7/8 | 1,869.51 | 7/8 | 2,006.57 | 7/8 | 2,143.60 | 7/8 | 2,280.63 | 7/8 | 2,417.66 | 7/8 | 2,554.69 | 7/8 | 2,691.72 |
| 4 | 1,461.96 | 10 | 1,598.63 | 4 | 1,735.31 | 10 | 1,872.36 | 4 | 2,009.43 | 10 | 2,146.46 | 4 | 2,283.49 | 10 | 2,420.52 | 4 | 2,557.55 | 10 | 2,694.58 |
| 1/8 | 1,464.81 | 1/8 | 1,601.48 | 1/8 | 1,738.16 | 1/8 | 1,875.22 | 1/8 | 2,012.28 | 1/8 | 2,149.31 | 1/8 | 2,286.34 | 1/8 | 2,423.37 | 1/8 | 2,560.40 | 1/8 | 2,697.43 |
| 1/4 | 1,467.66 | 1/4 | 1,604.33 | 1/4 | 1,741.02 | 1/4 | 1,878.07 | 1/4 | 2,015.14 | 1/4 | 2,152.17 | 1/4 | 2,289.20 | 1/4 | 2,426.23 | 1/4 | 2,563.26 | 1/4 | 2,700.29 |
| 3/8 | 1,470.51 | 3/8 | 1,607.18 | 3/8 | 1,743.87 | 3/8 | 1,880.93 | 3/8 | 2,017.99 | 3/8 | 2,155.02 | 3/8 | 2,292.05 | 3/8 | 2,429.08 | 3/8 | 2,566.11 | 3/8 | 2,703.14 |
| 1/2 | 1,473.35 | 1/2 | 1,610.02 | 1/2 | 1,746.72 | 1/2 | 1,883.78 | 1/2 | 2,020.85 | 1/2 | 2,157.88 | 1/2 | 2,294.91 | 1/2 | 2,431.94 | 1/2 | 2,568.97 | 1/2 | 2,706.00 |
| 5/8 | 1,476.20 | 5/8 | 1,612.87 | 5/8 | 1,749.58 | 5/8 | 1,886.64 | 5/8 | 2,023.70 | 5/8 | 2,160.73 | 5/8 | 2,297.76 | 5/8 | 2,434.79 | 5/8 | 2,571.82 | 5/8 | 2,708.85 |
| 3/4 | 1,479.05 | 3/4 | 1,615.72 | 3/4 | 1,752.43 | 3/4 | 1,889.50 | 3/4 | 2,026.56 | 3/4 | 2,163.59 | 3/4 | 2,300.62 | 3/4 | 2,437.65 | 3/4 | 2,574.68 | 3/4 | 2,711.71 |
| 7/8 | 1,481.90 | 7/8 | 1,618.56 | 7/8 | 1,755.28 | 7/8 | 1,892.35 | 7/8 | 2,029.41 | 7/8 | 2,166.44 | 7/8 | 2,303.47 | 7/8 | 2,440.50 | 7/8 | 2,577.53 | 7/8 | 2,714.56 |
| 5 | 1,484.75 | 11 | 1,621.41 | 5 | 1,758.14 | 11 | 1,895.21 | 5 | 2,032.27 | 11 | 2,169.30 | 5 | 2,306.33 | 11 | 2,443.36 | 5 | 2,580.39 | 11 | 2,717.42 |
| 1/8 | 1,487.60 | 1/8 | 1,624.26 | 1/8 | 1,760.99 | 1/8 | 1,898.06 | 1/8 | 2,035.12 | 1/8 | 2,172.15 | 1/8 | 2,309.18 | 1/8 | 2,446.21 | 1/8 | 2,583.24 | 1/8 | 2,720.27 |
| 1/4 | 1,490.44 | 1/4 | 1,627.11 | 1/4 | 1,763.85 | 1/4 | 1,900.92 | 1/4 | 2,037.97 | 1/4 | 2,175.01 | 1/4 | 2,312.04 | 1/4 | 2,449.07 | 1/4 | 2,586.10 | 1/4 | 2,723.13 |
| 3/8 | 1,493.29 | 3/8 | 1,629.95 | 3/8 | 1,766.70 | 3/8 | 1,903.77 | 3/8 | 2,040.83 | 3/8 | 2,177.86 | 3/8 | 2,314.89 | 3/8 | 2,451.92 | 3/8 | 2,588.95 | 3/8 | 2,725.98 |
| 1/2 | 1,496.14 | 1/2 | 1,632.80 | 1/2 | 1,769.56 | 1/2 | 1,906.63 | 1/2 | 2,043.68 | 1/2 | 2,180.71 | 1/2 | 2,317.75 | 1/2 | 2,454.78 | 1/2 | 2,591.81 | 1/2 | 2,728.84 |
| 5/8 | 1,498.99 | 5/8 | 1,635.65 | 5/8 | 1,772.42 | 5/8 | 1,909.48 | 5/8 | 2,046.54 | 5/8 | 2,183.57 | 5/8 | 2,320.60 | 5/8 | 2,457.63 | 5/8 | 2,594.66 | 5/8 | 2,731.69 |
| 3/4 | 1,501.83 | 3/4 | 1,638.49 | 3/4 | 1,775.27 | 3/4 | 1,912.34 | 3/4 | 2,049.39 | 3/4 | 2,186.42 | 3/4 | 2,323.45 | 3/4 | 2,460.49 | 3/4 | 2,597.52 | 3/4 | 2,734.55 |
| 7/8 | 1,504.68 | 7/8 | 1,641.34 | 7/8 | 1,778.13 | 7/8 | 1,915.20 | 7/8 | 2,052.25 | 7/8 | 2,189.28 | 7/8 | 2,326.31 | 7/8 | 2,463.34 | 7/8 | 2,600.37 | 7/8 | 2,737.40 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.


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# BARGE "KIRBY 27774"

## 5 STBD

### INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09 1/2"

| IN | 10 FT. | IN | 10 FT. | IN | 11 FT. | IN | 11 FT. | IN | 12 FT. | IN | 12 FT. | IN | 13 FT. | IN | 13 FT. | IN | 14 FT. | IN | 14 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2,740.26 | 6 | 2,877.02 | 0 | 3,012.89 | 6 | 3,148.72 | 0 | 3,284.56 | 6 | 3,419.19 | 0 | | 6 | | 0 | | 6 | |
| 1/8 | 2,743.11 | 1/8 | 2,879.85 | 1/8 | 3,015.72 | 1/8 | 3,151.55 | 1/8 | 3,287.38 | 1/8 | 3,421.73 | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 2,745.97 | 1/4 | 2,882.69 | 1/4 | 3,018.55 | 1/4 | 3,154.38 | 1/4 | 3,290.20 | 1/4 | 3,424.26 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 2,748.82 | 3/8 | 2,885.52 | 3/8 | 3,021.38 | 3/8 | 3,157.21 | 3/8 | 3,293.03 | 3/8 | 3,426.80 | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 2,751.67 | 1/2 | 2,888.35 | 1/2 | 3,024.20 | 1/2 | 3,160.04 | 1/2 | 3,295.85 | 1/2 | 3,429.34 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 2,754.53 | 5/8 | 2,891.19 | 5/8 | 3,027.03 | 5/8 | 3,162.87 | 5/8 | 3,298.67 | 5/8 | 3,431.87 | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 2,757.38 | 3/4 | 2,894.02 | 3/4 | 3,029.86 | 3/4 | 3,165.70 | 3/4 | 3,301.50 | 3/4 | 3,434.41 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 2,760.23 | 7/8 | 2,896.86 | 7/8 | 3,032.69 | 7/8 | 3,168.53 | 7/8 | 3,304.32 | 7/8 | 3,436.94 | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 1 | 2,763.08 | 7 | 2,899.69 | 1 | 3,035.52 | 7 | 3,171.36 | 1 | 3,307.14 | 7 | 3,439.48 | 1 | | 7 | | 1 | | 7 | |
| 1/8 | 2,765.94 | 1/8 | 2,902.52 | 1/8 | 3,038.35 | 1/8 | 3,174.19 | 1/8 | 3,309.96 | 1/8 | 3,441.57 | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 2,768.79 | 1/4 | 2,905.35 | 1/4 | 3,041.18 | 1/4 | 3,177.02 | 1/4 | 3,312.77 | 1/4 | 3,443.67 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 2,771.64 | 3/8 | 2,908.18 | 3/8 | 3,044.01 | 3/8 | 3,179.85 | 3/8 | 3,315.58 | 3/8 | 3,445.76 | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 2,774.49 | 1/2 | 2,911.01 | 1/2 | 3,046.84 | 1/2 | 3,182.68 | 1/2 | 3,318.40 | 1/2 | 3,447.85 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 2,777.34 | 5/8 | 2,913.84 | 5/8 | 3,049.67 | 5/8 | 3,185.51 | 5/8 | 3,321.21 | 5/8 | 3,449.95 | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 2,780.19 | 3/4 | 2,916.67 | 3/4 | 3,052.50 | 3/4 | 3,188.34 | 3/4 | 3,324.03 | 3/4 | 3,452.04 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 2,783.04 | 7/8 | 2,919.50 | 7/8 | 3,055.33 | 7/8 | 3,191.17 | 7/8 | 3,326.84 | 7/8 | 3,454.13 | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 2 | 2,785.89 | 8 | 2,922.33 | 2 | 3,058.16 | 8 | 3,194.00 | 2 | 3,329.65 | 8 | 3,456.23 | 2 | | 8 | | 2 | | 8 | |
| 1/8 | 2,788.74 | 1/8 | 2,925.16 | 1/8 | 3,060.99 | 1/8 | 3,196.83 | 1/8 | 3,332.46 | 1/8 | 3,457.84 | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 2,791.59 | 1/4 | 2,927.99 | 1/4 | 3,063.82 | 1/4 | 3,199.66 | 1/4 | 3,335.27 | 1/4 | 3,459.46 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 2,794.44 | 3/8 | 2,930.82 | 3/8 | 3,066.65 | 3/8 | 3,202.49 | 3/8 | 3,338.08 | 3/8 | 3,461.08 | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 2,797.29 | 1/2 | 2,933.65 | 1/2 | 3,069.48 | 1/2 | 3,205.32 | 1/2 | 3,340.89 | 1/2 | 3,462.69 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 2,800.14 | 5/8 | 2,936.48 | 5/8 | 3,072.31 | 5/8 | 3,208.15 | 5/8 | 3,343.70 | 5/8 | 3,464.31 | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 2,802.99 | 3/4 | 2,939.31 | 3/4 | 3,075.14 | 3/4 | 3,210.98 | 3/4 | 3,346.51 | 3/4 | 3,465.93 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 2,805.84 | 7/8 | 2,942.14 | 7/8 | 3,077.97 | 7/8 | 3,213.81 | 7/8 | 3,349.32 | 7/8 | 3,467.54 | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 3 | 2,808.69 | 9 | 2,944.97 | 3 | 3,080.80 | 9 | 3,216.64 | 3 | 3,352.13 | 9 | 3,469.16 | 3 | | 9 | | 3 | | 9 | |
| 1/8 | 2,811.54 | 1/8 | 2,947.80 | 1/8 | 3,083.63 | 1/8 | 3,219.47 | 1/8 | 3,354.94 | 1/8 | 3,470.30 | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 2,814.38 | 1/4 | 2,950.63 | 1/4 | 3,086.46 | 1/4 | 3,222.30 | 1/4 | 3,357.74 | 1/4 | 3,471.44 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 2,817.23 | 3/8 | 2,953.46 | 3/8 | 3,089.29 | 3/8 | 3,225.13 | 3/8 | 3,360.55 | 3/8 | — | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 2,820.08 | 1/2 | 2,956.29 | 1/2 | 3,092.12 | 1/2 | 3,227.96 | 1/2 | 3,363.36 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 2,822.93 | 5/8 | 2,959.12 | 5/8 | 3,094.95 | 5/8 | 3,230.79 | 5/8 | 3,366.17 | 5/8 | | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 2,825.78 | 3/4 | 2,961.95 | 3/4 | 3,097.78 | 3/4 | 3,233.62 | 3/4 | 3,368.98 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 2,828.63 | 7/8 | 2,964.78 | 7/8 | 3,100.61 | 7/8 | 3,236.45 | 7/8 | 3,371.78 | 7/8 | | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 4 | 2,831.48 | 10 | 2,967.61 | 4 | 3,103.44 | 10 | 3,239.28 | 4 | 3,374.59 | 10 | | 4 | | 10 | | 4 | | 10 | |
| 1/8 | 2,834.33 | 1/8 | 2,970.44 | 1/8 | 3,106.27 | 1/8 | 3,242.11 | 1/8 | 3,377.40 | 1/8 | | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 2,837.18 | 1/4 | 2,973.27 | 1/4 | 3,109.10 | 1/4 | 3,244.94 | 1/4 | 3,380.20 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 2,840.03 | 3/8 | 2,976.10 | 3/8 | 3,111.93 | 3/8 | 3,247.77 | 3/8 | 3,383.00 | 3/8 | | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 2,842.88 | 1/2 | 2,978.93 | 1/2 | 3,114.76 | 1/2 | 3,250.60 | 1/2 | 3,385.81 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 2,845.73 | 5/8 | 2,981.76 | 5/8 | 3,117.59 | 5/8 | 3,253.43 | 5/8 | 3,388.61 | 5/8 | | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 2,848.57 | 3/4 | 2,984.59 | 3/4 | 3,120.42 | 3/4 | 3,256.26 | 3/4 | 3,391.42 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 2,851.42 | 7/8 | 2,987.42 | 7/8 | 3,123.25 | 7/8 | 3,259.09 | 7/8 | 3,394.22 | 7/8 | | 7/8 | | 7/8 | | 7/8 | | 7/8 | |
| 5 | 2,854.27 | 11 | 2,990.25 | 5 | 3,126.08 | 11 | 3,261.92 | 5 | 3,397.03 | 11 | | 5 | | 11 | | 5 | | 11 | |
| 1/8 | 2,857.12 | 1/8 | 2,993.08 | 1/8 | 3,128.91 | 1/8 | 3,264.75 | 1/8 | 3,399.80 | 1/8 | | 1/8 | | 1/8 | | 1/8 | | 1/8 | |
| 1/4 | 2,859.96 | 1/4 | 2,995.91 | 1/4 | 3,131.74 | 1/4 | 3,267.58 | 1/4 | 3,402.57 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 3/8 | 2,862.80 | 3/8 | 2,998.74 | 3/8 | 3,134.57 | 3/8 | 3,270.41 | 3/8 | 3,405.34 | 3/8 | | 3/8 | | 3/8 | | 3/8 | | 3/8 | |
| 1/2 | 2,865.65 | 1/2 | 3,001.57 | 1/2 | 3,137.40 | 1/2 | 3,273.24 | 1/2 | 3,408.11 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 5/8 | 2,868.49 | 5/8 | 3,004.40 | 5/8 | 3,140.23 | 5/8 | 3,276.07 | 5/8 | 3,410.88 | 5/8 | | 5/8 | | 5/8 | | 5/8 | | 5/8 | |
| 3/4 | 2,871.33 | 3/4 | 3,007.23 | 3/4 | 3,143.06 | 3/4 | 3,278.90 | 3/4 | 3,413.65 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7/8 | 2,874.18 | 7/8 | 3,010.06 | 7/8 | 3,145.89 | 7/8 | 3,281.73 | 7/8 | 3,416.42 | 7/8 | | 7/8 | | 7/8 | | 7/8 | | 7/8 | |

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