



BARGE "KIRBY 12320B"

ULLAGE TRIM TABLE

| | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | |
|----------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|
| | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> |
| 1 CENTER | -00-1/2 | 00-1/2 | -01-0/8 | 01-0/8 | -01-1/2 | 01-1/2 | -01-7/8 | 01-7/8 | -02-3/8 | 02-3/8 | -02-7/8 | 02-7/8 |
| 2 CENTER | -00-1/8 | 00-1/8 | -00-1/4 | 00-1/4 | -00-1/4 | 00-1/4 | -00-3/8 | 00-3/8 | -00-1/2 | 00-1/2 | -00-5/8 | 00-5/8 |
| 3 CENTER | -00-1/8 | 00-1/8 | -00-1/4 | 00-1/4 | -00-1/4 | 00-1/4 | -00-3/8 | 00-3/8 | -00-1/2 | 00-1/2 | -00-5/8 | 00-5/8 |

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 CENTER IS 01-0/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-01"

LENGTH BETWEEN DRAFT MARKS: 176'-06"

February 17, 2009

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

<http://www.pmacorp.net>



BARGE "KIRBY 12320B"

1 CENTER ULLAGE TABLE

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

| 0 FT. | | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | | 7 FT. | | 8 FT. | | 9 FT. | |
|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|
| IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 23'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 12320B"

1 CENTER ULLAGE TABLE

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

| 10 FT. | | 11 FT. | | 12 FT. | | 13 FT. | | 14 FT. | | 15 FT. | | 16 FT. | | 17 FT. | | 18 FT. | | 19 FT. | |
|--------|----------|--------|----------|--------|----------|--------|----------|--------|--------|--------|--------|--------|--------|--------|-------|--------|-------|--------|-------|
| IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN |
| 0 | 1,941.30 | 0 | 1,654.82 | 0 | 1,367.42 | 0 | 1,080.45 | 0 | 797.98 | 0 | 512.70 | 0 | 225.21 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1/4 | 1,935.34 | 1/4 | 1,648.64 | 1/4 | 1,361.43 | 1/4 | 1,074.48 | 1/4 | 792.17 | 1/4 | 506.72 | 1/4 | 219.22 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,929.38 | 1/2 | 1,642.66 | 1/2 | 1,355.45 | 1/2 | 1,068.50 | 1/2 | 786.35 | 1/2 | 500.74 | 1/2 | 213.22 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,923.42 | 3/4 | 1,636.67 | 3/4 | 1,349.47 | 3/4 | 1,062.53 | 3/4 | 780.53 | 3/4 | 494.77 | 3/4 | 207.23 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 1,917.45 | 1 | 1,630.69 | 1 | 1,343.48 | 1 | 1,056.56 | 1 | 774.71 | 1 | 488.79 | 1 | 201.23 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 1/4 | 1,911.49 | 1 1/4 | 1,624.71 | 1 1/4 | 1,337.50 | 1 1/4 | 1,050.58 | 1 1/4 | 768.89 | 1 1/4 | 482.81 | 1 1/4 | 195.24 | 1 1/4 | 1 1/4 | 1 1/4 | 1 1/4 | 1 1/4 | 1 1/4 |
| 1 1/2 | 1,905.53 | 1 1/2 | 1,618.72 | 1 1/2 | 1,331.52 | 1 1/2 | 1,044.61 | 1 1/2 | 763.07 | 1 1/2 | 476.84 | 1 1/2 | 189.24 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 |
| 3/4 | 1,899.57 | 3/4 | 1,612.74 | 3/4 | 1,325.53 | 3/4 | 1,038.64 | 3/4 | 757.25 | 3/4 | 470.86 | 3/4 | 183.25 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 1,893.61 | 2 | 1,606.76 | 2 | 1,319.55 | 2 | 1,032.66 | 2 | 751.43 | 2 | 464.89 | 2 | 177.25 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1 1/4 | 1,887.65 | 1 1/4 | 1,600.77 | 1 1/4 | 1,313.57 | 1 1/4 | 1,026.67 | 1 1/4 | 745.61 | 1 1/4 | 458.91 | 1 1/4 | 171.26 | 1 1/4 | 1 1/4 | 1 1/4 | 1 1/4 | 1 1/4 | 1 1/4 |
| 1 1/2 | 1,881.69 | 1 1/2 | 1,594.79 | 1 1/2 | 1,307.58 | 1 1/2 | 1,020.69 | 1 1/2 | 739.79 | 1 1/2 | 452.94 | 1 1/2 | 165.26 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 |
| 3/4 | 1,875.73 | 3/4 | 1,588.81 | 3/4 | 1,301.60 | 3/4 | 1,014.70 | 3/4 | 733.97 | 3/4 | 446.96 | 3/4 | 159.27 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 1,869.77 | 3 | 1,582.82 | 3 | 1,295.61 | 3 | 1,008.72 | 3 | 728.07 | 3 | 440.98 | 3 | 153.27 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1 1/4 | 1,863.81 | 1 1/4 | 1,576.84 | 1 1/4 | 1,289.63 | 1 1/4 | 1,002.73 | 1 1/4 | 722.08 | 1 1/4 | 435.00 | 1 1/4 | 147.28 | 1 1/4 | 1 1/4 | 1 1/4 | 1 1/4 | 1 1/4 | 1 1/4 |
| 1 1/2 | 1,857.85 | 1 1/2 | 1,570.86 | 1 1/2 | 1,283.65 | 1 1/2 | 996.75 | 1 1/2 | 716.10 | 1 1/2 | 429.01 | 1 1/2 | 141.28 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 |
| 3/4 | 1,851.89 | 3/4 | 1,564.87 | 3/4 | 1,277.66 | 3/4 | 990.76 | 3/4 | 710.11 | 3/4 | 423.02 | 3/4 | 135.29 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 1,845.93 | 4 | 1,558.89 | 4 | 1,271.68 | 4 | 984.78 | 4 | 704.12 | 4 | 417.03 | 4 | 129.29 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1 1/4 | 1,839.97 | 1 1/4 | 1,552.91 | 1 1/4 | 1,265.70 | 1 1/4 | 978.79 | 1 1/4 | 698.13 | 1 1/4 | 411.04 | 1 1/4 | 123.30 | 1 1/4 | 1 1/4 | 1 1/4 | 1 1/4 | 1 1/4 | 1 1/4 |
| 1 1/2 | 1,834.00 | 1 1/2 | 1,546.92 | 1 1/2 | 1,259.71 | 1 1/2 | 972.81 | 1 1/2 | 692.15 | 1 1/2 | 405.05 | 1 1/2 | 117.30 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 |
| 3/4 | 1,828.04 | 3/4 | 1,540.94 | 3/4 | 1,253.73 | 3/4 | 966.82 | 3/4 | 686.16 | 3/4 | 399.06 | 3/4 | 111.31 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 1,822.08 | 5 | 1,534.95 | 5 | 1,247.75 | 5 | 960.92 | 5 | 680.17 | 5 | 393.07 | 5 | 105.31 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1 1/4 | 1,816.12 | 1 1/4 | 1,528.97 | 1 1/4 | 1,241.76 | 1 1/4 | 955.10 | 1 1/4 | 674.18 | 1 1/4 | 387.07 | 1 1/4 | 99.32 | 1 1/4 | 1 1/4 | 1 1/4 | 1 1/4 | 1 1/4 | 1 1/4 |
| 1 1/2 | 1,810.16 | 1 1/2 | 1,522.99 | 1 1/2 | 1,235.78 | 1 1/2 | 949.28 | 1 1/2 | 668.20 | 1 1/2 | 381.08 | 1 1/2 | 93.32 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 |
| 3/4 | 1,804.20 | 3/4 | 1,517.00 | 3/4 | 1,229.80 | 3/4 | 943.46 | 3/4 | 662.21 | 3/4 | 375.08 | 3/4 | 87.33 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 1,798.23 | 6 | 1,511.02 | 6 | 1,223.82 | 6 | 937.64 | 6 | 656.22 | 6 | 369.09 | 6 | 81.33 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1 1/4 | 1,792.25 | 1 1/4 | 1,505.04 | 1 1/4 | 1,217.84 | 1 1/4 | 931.82 | 1 1/4 | 650.24 | 1 1/4 | 363.09 | 1 1/4 | 75.34 | 1 1/4 | 1 1/4 | 1 1/4 | 1 1/4 | 1 1/4 | 1 1/4 |
| 1 1/2 | 1,786.26 | 1 1/2 | 1,499.05 | 1 1/2 | 1,211.87 | 1 1/2 | 926.01 | 1 1/2 | 644.25 | 1 1/2 | 357.10 | 1 1/2 | 69.34 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 |
| 3/4 | 1,780.28 | 3/4 | 1,493.07 | 3/4 | 1,205.90 | 3/4 | 920.19 | 3/4 | 638.26 | 3/4 | 351.10 | 3/4 | 63.35 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 1,774.29 | 7 | 1,487.09 | 7 | 1,199.92 | 7 | 914.37 | 7 | 632.28 | 7 | 345.11 | 7 | 57.35 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1 1/4 | 1,768.31 | 1 1/4 | 1,481.10 | 1 1/4 | 1,193.95 | 1 1/4 | 908.55 | 1 1/4 | 626.30 | 1 1/4 | 339.11 | 1 1/4 | 51.36 | 1 1/4 | 1 1/4 | 1 1/4 | 1 1/4 | 1 1/4 | 1 1/4 |
| 1 1/2 | 1,762.33 | 1 1/2 | 1,475.12 | 1 1/2 | 1,187.98 | 1 1/2 | 902.73 | 1 1/2 | 620.32 | 1 1/2 | 333.12 | 1 1/2 | 45.36 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 |
| 3/4 | 1,756.34 | 3/4 | 1,469.14 | 3/4 | 1,182.00 | 3/4 | 896.91 | 3/4 | 614.34 | 3/4 | 327.13 | 3/4 | 39.37 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 1,750.36 | 8 | 1,463.15 | 8 | 1,176.03 | 8 | 891.09 | 8 | 608.36 | 8 | 321.13 | 8 | 33.87 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1 1/4 | 1,744.38 | 1 1/4 | 1,457.17 | 1 1/4 | 1,170.05 | 1 1/4 | 885.27 | 1 1/4 | 602.38 | 1 1/4 | 315.14 | 1 1/4 | 28.88 | 1 1/4 | 1 1/4 | 1 1/4 | 1 1/4 | 1 1/4 | 1 1/4 |
| 1 1/2 | 1,738.39 | 1 1/2 | 1,451.19 | 1 1/2 | 1,164.08 | 1 1/2 | 879.45 | 1 1/2 | 596.40 | 1 1/2 | 309.14 | 1 1/2 | 23.88 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 |
| 3/4 | 1,732.41 | 3/4 | 1,445.20 | 3/4 | 1,158.11 | 3/4 | 873.63 | 3/4 | 590.42 | 3/4 | 303.15 | 3/4 | 18.89 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 1,726.43 | 9 | 1,439.22 | 9 | 1,152.13 | 9 | 867.81 | 9 | 584.44 | 9 | 297.15 | 9 | 14.89 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1 1/4 | 1,720.44 | 1 1/4 | 1,433.24 | 1 1/4 | 1,146.16 | 1 1/4 | 861.99 | 1 1/4 | 578.47 | 1 1/4 | 291.16 | 1 1/4 | 11.89 | 1 1/4 | 1 1/4 | 1 1/4 | 1 1/4 | 1 1/4 | 1 1/4 |
| 1 1/2 | 1,714.46 | 1 1/2 | 1,427.25 | 1 1/2 | 1,140.19 | 1 1/2 | 856.18 | 1 1/2 | 572.49 | 1 1/2 | 285.16 | 1 1/2 | 8.90 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 |
| 3/4 | 1,708.48 | 3/4 | 1,421.27 | 3/4 | 1,134.21 | 3/4 | 850.36 | 3/4 | 566.51 | 3/4 | 279.17 | 3/4 | 5.90 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 1,702.49 | 10 | 1,415.28 | 10 | 1,128.24 | 10 | 844.54 | 10 | 560.53 | 10 | 273.17 | 10 | 3.90 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1 1/4 | 1,696.51 | 1 1/4 | 1,409.30 | 1 1/4 | 1,122.27 | 1 1/4 | 838.72 | 1 1/4 | 554.55 | 1 1/4 | 267.18 | 1 1/4 | 2.90 | 1 1/4 | 1 1/4 | 1 1/4 | 1 1/4 | 1 1/4 | 1 1/4 |
| 1 1/2 | 1,690.53 | 1 1/2 | 1,403.32 | 1 1/2 | 1,116.29 | 1 1/2 | 832.90 | 1 1/2 | 548.57 | 1 1/2 | 261.18 | 1 1/2 | 1.91 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 |
| 3/4 | 1,684.54 | 3/4 | 1,397.33 | 3/4 | 1,110.32 | 3/4 | 827.08 | 3/4 | 542.59 | 3/4 | 255.19 | 3/4 | 0.91 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 1,678.56 | 11 | 1,391.35 | 11 | 1,104.35 | 11 | 821.26 | 11 | 536.61 | 11 | 249.19 | 11 | 0.41 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1 1/4 | 1,672.58 | 1 1/4 | 1,385.37 | 1 1/4 | 1,098.37 | 1 1/4 | 815.44 | 1 1/4 | 530.63 | 1 1/4 | 243.20 | 1 1/4 | 0.41 | 1 1/4 | 1 1/4 | 1 1/4 | 1 1/4 | 1 1/4 | 1 1/4 |
| 1 1/2 | 1,666.59 | 1 1/2 | 1,379.38 | 1 1/2 | 1,092.40 | 1 1/2 | 809.62 | 1 1/2 | 524.66 | 1 1/2 | 237.20 | 1 1/2 | 0.41 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 |
| 3/4 | 1,660.61 | 3/4 | 1,373.40 | 3/4 | 1,086.42 | 3/4 | 803.80 | 3/4 | 518.68 | 3/4 | 231.21 | 3/4 | 0.41 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/17/2009 CL - SW
CALCULATED: 02/17/2009 CL
PRINTED: 02/17/2009 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2009

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



BARGE "KIRBY 12320B"

2 CENTER ULLAGE TABLE

CAPACITIES IN WHOLE BARRELS OF 42 U.S. GALLONS

| 10 FT. | | 11 FT. | | 12 FT. | | 13 FT. | | 14 FT. | | 15 FT. | | 16 FT. | | 17 FT. | | 18 FT. | | 19 FT. | |
|--------|----------|--------|----------|--------|----------|--------|----------|--------|--------|--------|--------|--------|--------|--------|----|--------|----|--------|----|
| IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN |
| 0 | 1,925.51 | 0 | 1,639.26 | 0 | 1,353.02 | 0 | 1,066.78 | 0 | 782.54 | 0 | 499.71 | 0 | 215.06 | 0 | | 0 | | | |
| 1/4 | 1,919.54 | 1/4 | 1,633.30 | 1/4 | 1,347.06 | 1/4 | 1,060.81 | 1/4 | 776.65 | 1/4 | 493.82 | 1/4 | 209.10 | 1/4 | | 1/4 | | | |
| 1/2 | 1,913.58 | 1/2 | 1,627.34 | 1/2 | 1,341.09 | 1/2 | 1,054.85 | 1/2 | 770.75 | 1/2 | 487.93 | 1/2 | 203.14 | 1/2 | | 1/2 | | | |
| 3/4 | 1,907.61 | 3/4 | 1,621.37 | 3/4 | 1,335.13 | 3/4 | 1,048.89 | 3/4 | 764.85 | 3/4 | 482.04 | 3/4 | 197.17 | 3/4 | | 3/4 | | | |
| 1 | 1,901.65 | 1 | 1,615.41 | 1 | 1,329.17 | 1 | 1,042.92 | 1 | 758.96 | 1 | 476.16 | 1 | 191.21 | 1 | | 1 | | | |
| 1/4 | 1,895.69 | 1/4 | 1,609.44 | 1/4 | 1,323.20 | 1/4 | 1,036.96 | 1/4 | 753.06 | 1/4 | 470.27 | 1/4 | 185.25 | 1/4 | | 1/4 | | | |
| 1/2 | 1,889.72 | 1/2 | 1,603.48 | 1/2 | 1,317.24 | 1/2 | 1,031.00 | 1/2 | 747.16 | 1/2 | 464.38 | 1/2 | 179.29 | 1/2 | | 1/2 | | | |
| 3/4 | 1,883.76 | 3/4 | 1,597.52 | 3/4 | 1,311.27 | 3/4 | 1,025.03 | 3/4 | 741.27 | 3/4 | 458.50 | 3/4 | 173.32 | 3/4 | | 3/4 | | | |
| 2 | 1,877.80 | 2 | 1,591.55 | 2 | 1,305.31 | 2 | 1,019.07 | 2 | 735.37 | 2 | 452.61 | 2 | 167.36 | 2 | | 2 | | | |
| 1/4 | 1,871.83 | 1/4 | 1,585.59 | 1/4 | 1,299.35 | 1/4 | 1,013.10 | 1/4 | 729.47 | 1/4 | 446.72 | 1/4 | 161.40 | 1/4 | | 1/4 | | | |
| 1/2 | 1,865.87 | 1/2 | 1,579.63 | 1/2 | 1,293.38 | 1/2 | 1,007.14 | 1/2 | 723.58 | 1/2 | 440.84 | 1/2 | 155.44 | 1/2 | | 1/2 | | | |
| 3/4 | 1,859.91 | 3/4 | 1,573.66 | 3/4 | 1,287.42 | 3/4 | 1,001.18 | 3/4 | 717.68 | 3/4 | 434.94 | 3/4 | 149.47 | 3/4 | | 3/4 | | | |
| 3 | 1,853.94 | 3 | 1,567.70 | 3 | 1,281.46 | 3 | 995.21 | 3 | 711.79 | 3 | 429.05 | 3 | 143.51 | 3 | | 3 | | | |
| 1/4 | 1,847.98 | 1/4 | 1,561.74 | 1/4 | 1,275.49 | 1/4 | 989.25 | 1/4 | 705.89 | 1/4 | 423.15 | 1/4 | 137.55 | 1/4 | | 1/4 | | | |
| 1/2 | 1,842.02 | 1/2 | 1,555.77 | 1/2 | 1,269.53 | 1/2 | 983.29 | 1/2 | 699.99 | 1/2 | 417.26 | 1/2 | 131.58 | 1/2 | | 1/2 | | | |
| 3/4 | 1,836.05 | 3/4 | 1,549.81 | 3/4 | 1,263.57 | 3/4 | 977.32 | 3/4 | 694.10 | 3/4 | 411.36 | 3/4 | 125.62 | 3/4 | | 3/4 | | | |
| 4 | 1,830.09 | 4 | 1,543.85 | 4 | 1,257.60 | 4 | 971.36 | 4 | 688.20 | 4 | 405.47 | 4 | 119.66 | 4 | | 4 | | | |
| 1/4 | 1,824.13 | 1/4 | 1,537.88 | 1/4 | 1,251.64 | 1/4 | 965.40 | 1/4 | 682.30 | 1/4 | 399.57 | 1/4 | 113.70 | 1/4 | | 1/4 | | | |
| 1/2 | 1,818.16 | 1/2 | 1,531.92 | 1/2 | 1,245.68 | 1/2 | 959.43 | 1/2 | 676.41 | 1/2 | 393.68 | 1/2 | 107.73 | 1/2 | | 1/2 | | | |
| 3/4 | 1,812.20 | 3/4 | 1,525.96 | 3/4 | 1,239.71 | 3/4 | 953.54 | 3/4 | 670.51 | 3/4 | 387.78 | 3/4 | 101.77 | 3/4 | | 3/4 | | | |
| 5 | 1,806.24 | 5 | 1,519.99 | 5 | 1,233.75 | 5 | 947.64 | 5 | 664.61 | 5 | 381.89 | 5 | 95.81 | 5 | | 5 | | | |
| 1/4 | 1,800.27 | 1/4 | 1,514.03 | 1/4 | 1,227.79 | 1/4 | 941.75 | 1/4 | 658.72 | 1/4 | 375.99 | 1/4 | 89.84 | 1/4 | | 1/4 | | | |
| 1/2 | 1,794.31 | 1/2 | 1,508.07 | 1/2 | 1,221.82 | 1/2 | 935.85 | 1/2 | 652.82 | 1/2 | 370.10 | 1/2 | 83.88 | 1/2 | | 1/2 | | | |
| 3/4 | 1,788.35 | 3/4 | 1,502.10 | 3/4 | 1,215.86 | 3/4 | 929.95 | 3/4 | 646.93 | 3/4 | 364.13 | 3/4 | 77.92 | 3/4 | | 3/4 | | | |
| 6 | 1,782.38 | 6 | 1,496.14 | 6 | 1,209.90 | 6 | 924.06 | 6 | 641.03 | 6 | 358.17 | 6 | 71.96 | 6 | | 6 | | | |
| 1/4 | 1,776.42 | 1/4 | 1,490.18 | 1/4 | 1,203.93 | 1/4 | 918.16 | 1/4 | 635.13 | 1/4 | 352.21 | 1/4 | 65.99 | 1/4 | | 1/4 | | | |
| 1/2 | 1,770.46 | 1/2 | 1,484.21 | 1/2 | 1,197.97 | 1/2 | 912.26 | 1/2 | 629.24 | 1/2 | 346.24 | 1/2 | 60.03 | 1/2 | | 1/2 | | | |
| 3/4 | 1,764.49 | 3/4 | 1,478.25 | 3/4 | 1,192.01 | 3/4 | 906.37 | 3/4 | 623.35 | 3/4 | 340.28 | 3/4 | 54.07 | 3/4 | | 3/4 | | | |
| 7 | 1,758.53 | 7 | 1,472.29 | 7 | 1,186.04 | 7 | 900.47 | 7 | 617.46 | 7 | 334.32 | 7 | 48.10 | 7 | | 7 | | | |
| 1/4 | 1,752.57 | 1/4 | 1,466.32 | 1/4 | 1,180.08 | 1/4 | 894.57 | 1/4 | 611.57 | 1/4 | 328.36 | 1/4 | 42.14 | 1/4 | | 1/4 | | | |
| 1/2 | 1,746.60 | 1/2 | 1,460.36 | 1/2 | 1,174.12 | 1/2 | 888.68 | 1/2 | 605.68 | 1/2 | 322.39 | 1/2 | 36.18 | 1/2 | | 1/2 | | | |
| 3/4 | 1,740.64 | 3/4 | 1,454.40 | 3/4 | 1,168.15 | 3/4 | 882.78 | 3/4 | 599.80 | 3/4 | 316.43 | 3/4 | 31.21 | 3/4 | | 3/4 | | | |
| 8 | 1,734.68 | 8 | 1,448.43 | 8 | 1,162.19 | 8 | 876.88 | 8 | 593.91 | 8 | 310.47 | 8 | 25.24 | 8 | | 8 | | | |
| 1/4 | 1,728.71 | 1/4 | 1,442.47 | 1/4 | 1,156.23 | 1/4 | 870.99 | 1/4 | 588.02 | 1/4 | 304.51 | 1/4 | 21.27 | 1/4 | | 1/4 | | | |
| 1/2 | 1,722.75 | 1/2 | 1,436.51 | 1/2 | 1,150.26 | 1/2 | 865.09 | 1/2 | 582.13 | 1/2 | 298.54 | 1/2 | 16.30 | 1/2 | | 1/2 | | | |
| 3/4 | 1,716.79 | 3/4 | 1,430.54 | 3/4 | 1,144.30 | 3/4 | 859.20 | 3/4 | 576.24 | 3/4 | 292.58 | 3/4 | 13.32 | 3/4 | | 3/4 | | | |
| 9 | 1,710.82 | 9 | 1,424.58 | 9 | 1,138.34 | 9 | 853.30 | 9 | 570.36 | 9 | 286.62 | 9 | 10.34 | 9 | | 9 | | | |
| 1/4 | 1,704.86 | 1/4 | 1,418.62 | 1/4 | 1,132.37 | 1/4 | 847.40 | 1/4 | 564.47 | 1/4 | 280.65 | 1/4 | 7.36 | 1/4 | | 1/4 | | | |
| 1/2 | 1,698.90 | 1/2 | 1,412.65 | 1/2 | 1,126.41 | 1/2 | 841.51 | 1/2 | 558.58 | 1/2 | 274.69 | 1/2 | 4.38 | 1/2 | | 1/2 | | | |
| 3/4 | 1,692.93 | 3/4 | 1,406.69 | 3/4 | 1,120.45 | 3/4 | 835.61 | 3/4 | 552.69 | 3/4 | 268.73 | 3/4 | 3.39 | 3/4 | | 3/4 | | | |
| 10 | 1,686.97 | 10 | 1,400.73 | 10 | 1,114.48 | 10 | 829.71 | 10 | 546.80 | 10 | 262.77 | 10 | 2.39 | 10 | | 10 | | | |
| 1/4 | 1,681.01 | 1/4 | 1,394.76 | 1/4 | 1,108.52 | 1/4 | 823.82 | 1/4 | 540.92 | 1/4 | 256.80 | 1/4 | 1.40 | 1/4 | | 1/4 | | | |
| 1/2 | 1,675.04 | 1/2 | 1,388.80 | 1/2 | 1,102.56 | 1/2 | 817.92 | 1/2 | 535.03 | 1/2 | 250.84 | 1/2 | 0.41 | 1/2 | | 1/2 | | | |
| 3/4 | 1,669.08 | 3/4 | 1,382.84 | 3/4 | 1,096.59 | 3/4 | 812.02 | 3/4 | 529.14 | 3/4 | 244.88 | 3/4 | | 3/4 | | 3/4 | | | |
| 11 | 1,663.12 | 11 | 1,376.87 | 11 | 1,090.63 | 11 | 806.13 | 11 | 523.25 | 11 | 238.91 | 11 | | 11 | | 11 | | | |
| 1/4 | 1,657.15 | 1/4 | 1,370.91 | 1/4 | 1,084.67 | 1/4 | 800.23 | 1/4 | 517.37 | 1/4 | 232.95 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 1,651.19 | 1/2 | 1,364.95 | 1/2 | 1,078.70 | 1/2 | 794.34 | 1/2 | 511.48 | 1/2 | 226.99 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 1,645.23 | 3/4 | 1,358.98 | 3/4 | 1,072.74 | 3/4 | 788.44 | 3/4 | 505.59 | 3/4 | 221.03 | 3/4 | | 3/4 | | 3/4 | | | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/17/2009 CL - SW
CALCULATED: 02/17/2009 CL
PRINTED: 02/17/2009 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2009

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



BARGE "KIRBY 12320B"

3 CENTER ULLAGE TABLE

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

| 0 FT. | | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | | 7 FT. | | 8 FT. | | 9 FT. | |
|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|
| IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 28'-03" FORWARD OF AFT BULKHEAD.

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





BARGE "KIRBY 12320B"

3 CENTER ULLAGE TABLE

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

| 10 FT. | | 11 FT. | | 12 FT. | | 13 FT. | | 14 FT. | | 15 FT. | | 16 FT. | | 17 FT. | | 18 FT. | | 19 FT. | |
|--------|----------|--------|----------|--------|----------|--------|----------|--------|--------|--------|--------|--------|--------|--------|-----|--------|-----|--------|-----|
| IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN |
| 0 | 1,931.32 | 0 | 1,646.92 | 0 | 1,362.52 | 0 | 1,078.12 | 0 | 793.97 | 0 | 509.84 | 0 | 225.55 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1/4 | 1,925.39 | 1/4 | 1,640.99 | 1/4 | 1,356.59 | 1/4 | 1,072.19 | 1/4 | 788.05 | 1/4 | 503.92 | 1/4 | 219.62 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,919.47 | 1/2 | 1,635.07 | 1/2 | 1,350.67 | 1/2 | 1,066.27 | 1/2 | 782.14 | 1/2 | 498.00 | 1/2 | 213.70 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,913.54 | 3/4 | 1,629.14 | 3/4 | 1,344.74 | 3/4 | 1,060.34 | 3/4 | 776.22 | 3/4 | 492.09 | 3/4 | 207.77 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 1,907.62 | 1 | 1,623.22 | 1 | 1,338.82 | 1 | 1,054.42 | 1 | 770.30 | 1 | 486.17 | 1 | 201.85 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 1,901.69 | 1/4 | 1,617.29 | 1/4 | 1,332.89 | 1/4 | 1,048.49 | 1/4 | 764.39 | 1/4 | 480.25 | 1/4 | 195.92 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,895.77 | 1/2 | 1,611.37 | 1/2 | 1,326.97 | 1/2 | 1,042.57 | 1/2 | 758.47 | 1/2 | 474.34 | 1/2 | 190.00 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,889.84 | 3/4 | 1,605.44 | 3/4 | 1,321.04 | 3/4 | 1,036.64 | 3/4 | 752.56 | 3/4 | 468.42 | 3/4 | 184.07 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 1,883.92 | 2 | 1,599.52 | 2 | 1,315.12 | 2 | 1,030.72 | 2 | 746.64 | 2 | 462.50 | 2 | 178.15 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/4 | 1,877.99 | 1/4 | 1,593.59 | 1/4 | 1,309.19 | 1/4 | 1,024.79 | 1/4 | 740.72 | 1/4 | 456.59 | 1/4 | 172.22 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,872.07 | 1/2 | 1,587.67 | 1/2 | 1,303.27 | 1/2 | 1,018.87 | 1/2 | 734.81 | 1/2 | 450.67 | 1/2 | 166.30 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,866.14 | 3/4 | 1,581.74 | 3/4 | 1,297.34 | 3/4 | 1,012.94 | 3/4 | 728.89 | 3/4 | 444.75 | 3/4 | 160.37 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 1,860.22 | 3 | 1,575.82 | 3 | 1,291.42 | 3 | 1,007.02 | 3 | 722.98 | 3 | 438.83 | 3 | 154.45 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1/4 | 1,854.29 | 1/4 | 1,569.89 | 1/4 | 1,285.49 | 1/4 | 1,001.09 | 1/4 | 717.05 | 1/4 | 432.91 | 1/4 | 148.52 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,848.37 | 1/2 | 1,563.97 | 1/2 | 1,279.57 | 1/2 | 995.17 | 1/2 | 711.13 | 1/2 | 426.99 | 1/2 | 142.60 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,842.44 | 3/4 | 1,558.04 | 3/4 | 1,273.64 | 3/4 | 989.24 | 3/4 | 705.20 | 3/4 | 421.06 | 3/4 | 136.68 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 1,836.52 | 4 | 1,552.12 | 4 | 1,267.72 | 4 | 983.32 | 4 | 699.28 | 4 | 415.14 | 4 | 130.75 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1/4 | 1,830.59 | 1/4 | 1,546.19 | 1/4 | 1,261.79 | 1/4 | 977.39 | 1/4 | 693.35 | 1/4 | 409.21 | 1/4 | 124.83 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,824.67 | 1/2 | 1,540.27 | 1/2 | 1,255.87 | 1/2 | 971.47 | 1/2 | 687.43 | 1/2 | 403.29 | 1/2 | 118.90 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,818.74 | 3/4 | 1,534.34 | 3/4 | 1,249.94 | 3/4 | 965.54 | 3/4 | 681.50 | 3/4 | 397.36 | 3/4 | 112.98 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 1,812.82 | 5 | 1,528.42 | 5 | 1,244.02 | 5 | 959.62 | 5 | 675.58 | 5 | 391.44 | 5 | 107.05 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1/4 | 1,806.89 | 1/4 | 1,522.49 | 1/4 | 1,238.09 | 1/4 | 953.70 | 1/4 | 669.65 | 1/4 | 385.51 | 1/4 | 101.13 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,800.97 | 1/2 | 1,516.57 | 1/2 | 1,232.17 | 1/2 | 947.78 | 1/2 | 663.73 | 1/2 | 379.59 | 1/2 | 95.20 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,795.04 | 3/4 | 1,510.64 | 3/4 | 1,226.24 | 3/4 | 941.87 | 3/4 | 657.80 | 3/4 | 373.66 | 3/4 | 89.28 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 1,789.12 | 6 | 1,504.72 | 6 | 1,220.32 | 6 | 935.95 | 6 | 651.88 | 6 | 367.74 | 6 | 83.35 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1/4 | 1,783.19 | 1/4 | 1,498.79 | 1/4 | 1,214.39 | 1/4 | 930.04 | 1/4 | 645.95 | 1/4 | 361.81 | 1/4 | 77.43 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,777.27 | 1/2 | 1,492.87 | 1/2 | 1,208.47 | 1/2 | 924.12 | 1/2 | 640.03 | 1/2 | 355.89 | 1/2 | 71.50 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,771.34 | 3/4 | 1,486.94 | 3/4 | 1,202.54 | 3/4 | 918.20 | 3/4 | 634.10 | 3/4 | 349.96 | 3/4 | 65.58 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 1,765.42 | 7 | 1,481.02 | 7 | 1,196.62 | 7 | 912.29 | 7 | 628.18 | 7 | 344.04 | 7 | 59.65 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1/4 | 1,759.49 | 1/4 | 1,475.09 | 1/4 | 1,190.69 | 1/4 | 906.37 | 1/4 | 622.26 | 1/4 | 338.12 | 1/4 | 53.73 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,753.57 | 1/2 | 1,469.17 | 1/2 | 1,184.77 | 1/2 | 900.46 | 1/2 | 616.34 | 1/2 | 332.19 | 1/2 | 47.80 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,747.64 | 3/4 | 1,463.24 | 3/4 | 1,178.84 | 3/4 | 894.54 | 3/4 | 610.43 | 3/4 | 326.27 | 3/4 | 41.88 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 1,741.72 | 8 | 1,457.32 | 8 | 1,172.92 | 8 | 888.62 | 8 | 604.51 | 8 | 320.34 | 8 | 35.96 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1/4 | 1,735.79 | 1/4 | 1,451.39 | 1/4 | 1,166.99 | 1/4 | 882.71 | 1/4 | 598.59 | 1/4 | 314.42 | 1/4 | 31.02 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,729.87 | 1/2 | 1,445.47 | 1/2 | 1,161.07 | 1/2 | 876.79 | 1/2 | 592.67 | 1/2 | 308.49 | 1/2 | 25.08 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,723.94 | 3/4 | 1,439.54 | 3/4 | 1,155.14 | 3/4 | 870.88 | 3/4 | 586.76 | 3/4 | 302.57 | 3/4 | 21.14 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 1,718.02 | 9 | 1,433.62 | 9 | 1,149.22 | 9 | 864.96 | 9 | 580.84 | 9 | 296.64 | 9 | 16.21 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1/4 | 1,712.09 | 1/4 | 1,427.69 | 1/4 | 1,143.29 | 1/4 | 859.04 | 1/4 | 574.92 | 1/4 | 290.72 | 1/4 | 13.24 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,706.17 | 1/2 | 1,421.77 | 1/2 | 1,137.37 | 1/2 | 853.13 | 1/2 | 569.01 | 1/2 | 284.79 | 1/2 | 10.28 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,700.24 | 3/4 | 1,415.84 | 3/4 | 1,131.44 | 3/4 | 847.21 | 3/4 | 563.09 | 3/4 | 278.87 | 3/4 | 7.32 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 1,694.32 | 10 | 1,409.92 | 10 | 1,125.52 | 10 | 841.30 | 10 | 557.17 | 10 | 272.94 | 10 | 4.36 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1/4 | 1,688.39 | 1/4 | 1,403.99 | 1/4 | 1,119.59 | 1/4 | 835.38 | 1/4 | 551.26 | 1/4 | 267.02 | 1/4 | 3.37 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,682.47 | 1/2 | 1,398.07 | 1/2 | 1,113.67 | 1/2 | 829.46 | 1/2 | 545.34 | 1/2 | 261.09 | 1/2 | 2.38 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,676.54 | 3/4 | 1,392.14 | 3/4 | 1,107.74 | 3/4 | 823.55 | 3/4 | 539.42 | 3/4 | 255.17 | 3/4 | 1.40 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 1,670.62 | 11 | 1,386.22 | 11 | 1,101.82 | 11 | 817.63 | 11 | 533.51 | 11 | 249.24 | 11 | 0.41 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1/4 | 1,664.69 | 1/4 | 1,380.29 | 1/4 | 1,095.89 | 1/4 | 811.72 | 1/4 | 527.59 | 1/4 | 243.32 | 1/4 | 0.41 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,658.77 | 1/2 | 1,374.37 | 1/2 | 1,089.97 | 1/2 | 805.80 | 1/2 | 521.67 | 1/2 | 237.40 | 1/2 | 0.41 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,652.84 | 3/4 | 1,368.44 | 3/4 | 1,084.04 | 3/4 | 799.88 | 3/4 | 515.75 | 3/4 | 231.47 | 3/4 | 0.41 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/17/2009 CL - SW
CALCULATED: 02/17/2009 CL
PRINTED: 02/17/2009 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2009

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77568
<http://www.pmaccorp.net>