



BARGE "HFL-417"
HINES FURLONG LINE
INNAGE TABLE
FUEL TANK

| BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN | | | | | | | | | | | | | | | | | | | HULL NO. 2200-1 | | | |
|--|----------|-----|----------|-----|----------|-----|----------|-----|-----------|-----|-----------|-----|-----------|-----|-------|-----|-------|-----|-----------------|--|--|--|
| N | 0 FT. | N | 1 FT. | N | 2 FT. | N | 3 FT. | N | 4 FT. | N | 5 FT. | N | 6 FT. | N | 7 FT. | N | 8 FT. | N | 9 FT. | | | |
| 0 | 0.00 | 0 | 2,339.01 | 0 | 4,678.01 | 0 | 7,017.02 | 0 | 9,356.03 | 0 | 11,695.03 | 0 | 14,034.04 | 0 | | 0 | | 0 | | | | |
| 1/4 | 48.73 | 1/4 | 2,387.74 | 1/4 | 4,726.74 | 1/4 | 7,065.75 | 1/4 | 9,404.75 | 1/4 | 11,743.76 | 1/4 | 14,082.77 | 1/4 | | 1/4 | | 1/4 | | | | |
| 1/2 | 97.46 | 1/2 | 2,436.47 | 1/2 | 4,775.47 | 1/2 | 7,114.48 | 1/2 | 9,453.48 | 1/2 | 11,792.49 | 1/2 | 14,131.50 | 1/2 | | 1/2 | | 1/2 | | | | |
| 3/4 | 146.19 | 3/4 | 2,485.19 | 3/4 | 4,824.20 | 3/4 | 7,163.21 | 3/4 | 9,502.21 | 3/4 | 11,841.22 | 3/4 | 14,180.23 | 3/4 | | 3/4 | | 3/4 | | | | |
| 1 | 194.92 | 1 | 2,533.92 | 1 | 4,872.93 | 1 | 7,211.94 | 1 | 9,550.94 | 1 | 11,889.95 | 1 | 14,228.96 | 1 | | 1 | | 1 | | | | |
| 1/4 | 243.65 | 1/4 | 2,582.65 | 1/4 | 4,921.66 | 1/4 | 7,260.67 | 1/4 | 9,599.67 | 1/4 | 11,938.68 | 1/4 | 14,277.68 | 1/4 | | 1/4 | | 1/4 | | | | |
| 1/2 | 292.38 | 1/2 | 2,631.38 | 1/2 | 4,970.39 | 1/2 | 7,309.40 | 1/2 | 9,648.40 | 1/2 | 11,987.41 | 1/2 | 14,326.41 | 1/2 | | 1/2 | | 1/2 | | | | |
| 3/4 | 341.11 | 3/4 | 2,680.11 | 3/4 | 5,019.12 | 3/4 | 7,358.12 | 3/4 | 9,697.13 | 3/4 | 12,036.14 | 3/4 | 14,375.14 | 3/4 | | 3/4 | | 3/4 | | | | |
| 2 | 389.83 | 2 | 2,728.84 | 2 | 5,067.85 | 2 | 7,406.85 | 2 | 9,745.86 | 2 | 12,084.87 | 2 | 14,423.87 | 2 | | 2 | | 2 | | | | |
| 1/4 | 438.56 | 1/4 | 2,777.57 | 1/4 | 5,116.58 | 1/4 | 7,455.58 | 1/4 | 9,794.59 | 1/4 | 12,133.60 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | | | |
| 1/2 | 487.29 | 1/2 | 2,826.30 | 1/2 | 5,165.31 | 1/2 | 7,504.31 | 1/2 | 9,843.32 | 1/2 | 12,182.33 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | | | |
| 3/4 | 536.02 | 3/4 | 2,875.03 | 3/4 | 5,214.04 | 3/4 | 7,553.04 | 3/4 | 9,892.05 | 3/4 | 12,231.05 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | | | |
| 3 | 584.75 | 3 | 2,923.76 | 3 | 5,262.76 | 3 | 7,601.77 | 3 | 9,940.78 | 3 | 12,279.78 | 3 | | 3 | | 3 | | 3 | | | | |
| 1/4 | 633.48 | 1/4 | 2,972.49 | 1/4 | 5,311.49 | 1/4 | 7,650.50 | 1/4 | 9,989.51 | 1/4 | 12,328.51 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | | | |
| 1/2 | 682.21 | 1/2 | 3,021.22 | 1/2 | 5,360.22 | 1/2 | 7,699.23 | 1/2 | 10,038.24 | 1/2 | 12,377.24 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | | | |
| 3/4 | 730.94 | 3/4 | 3,069.95 | 3/4 | 5,408.95 | 3/4 | 7,747.96 | 3/4 | 10,086.97 | 3/4 | 12,425.97 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | | | |
| 4 | 779.67 | 4 | 3,118.68 | 4 | 5,457.68 | 4 | 7,796.69 | 4 | 10,135.69 | 4 | 12,474.70 | 4 | | 4 | | 4 | | 4 | | | | |
| 1/4 | 828.40 | 1/4 | 3,167.40 | 1/4 | 5,506.41 | 1/4 | 7,845.42 | 1/4 | 10,184.42 | 1/4 | 12,523.43 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | | | |
| 1/2 | 877.13 | 1/2 | 3,216.13 | 1/2 | 5,555.14 | 1/2 | 7,894.15 | 1/2 | 10,233.15 | 1/2 | 12,572.16 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | | | |
| 3/4 | 925.86 | 3/4 | 3,264.86 | 3/4 | 5,603.87 | 3/4 | 7,942.88 | 3/4 | 10,281.88 | 3/4 | 12,620.89 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | | | |
| 5 | 974.59 | 5 | 3,313.59 | 5 | 5,652.60 | 5 | 7,991.61 | 5 | 10,330.61 | 5 | 12,669.62 | 5 | | 5 | | 5 | | 5 | | | | |
| 1/4 | 1,023.32 | 1/4 | 3,362.32 | 1/4 | 5,701.33 | 1/4 | 8,040.33 | 1/4 | 10,379.34 | 1/4 | 12,718.35 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | | | |
| 1/2 | 1,072.04 | 1/2 | 3,411.05 | 1/2 | 5,750.06 | 1/2 | 8,089.06 | 1/2 | 10,428.07 | 1/2 | 12,767.08 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | | | |
| 3/4 | 1,120.77 | 3/4 | 3,459.78 | 3/4 | 5,798.79 | 3/4 | 8,137.79 | 3/4 | 10,476.80 | 3/4 | 12,815.81 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | | | |
| 6 | 1,169.50 | 6 | 3,508.51 | 6 | 5,847.52 | 6 | 8,186.52 | 6 | 10,525.53 | 6 | 12,864.54 | 6 | | 6 | | 6 | | 6 | | | | |
| 1/4 | 1,218.23 | 1/4 | 3,557.24 | 1/4 | 5,896.25 | 1/4 | 8,235.25 | 1/4 | 10,574.26 | 1/4 | 12,913.26 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | | | |
| 1/2 | 1,266.96 | 1/2 | 3,605.97 | 1/2 | 5,944.97 | 1/2 | 8,283.98 | 1/2 | 10,622.99 | 1/2 | 12,961.99 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | | | |
| 3/4 | 1,315.69 | 3/4 | 3,654.70 | 3/4 | 5,993.70 | 3/4 | 8,332.71 | 3/4 | 10,671.72 | 3/4 | 13,010.72 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | | | |
| 7 | 1,364.42 | 7 | 3,703.43 | 7 | 6,042.43 | 7 | 8,381.44 | 7 | 10,720.45 | 7 | 13,059.45 | 7 | | 7 | | 7 | | 7 | | | | |
| 1/4 | 1,413.15 | 1/4 | 3,752.16 | 1/4 | 6,091.16 | 1/4 | 8,430.17 | 1/4 | 10,769.18 | 1/4 | 13,108.18 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | | | |
| 1/2 | 1,461.88 | 1/2 | 3,800.89 | 1/2 | 6,139.89 | 1/2 | 8,478.90 | 1/2 | 10,817.90 | 1/2 | 13,156.91 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | | | |
| 3/4 | 1,510.61 | 3/4 | 3,849.61 | 3/4 | 6,188.62 | 3/4 | 8,527.63 | 3/4 | 10,866.63 | 3/4 | 13,205.64 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | | | |
| 8 | 1,559.34 | 8 | 3,898.34 | 8 | 6,237.35 | 8 | 8,576.36 | 8 | 10,915.36 | 8 | 13,254.37 | 8 | | 8 | | 8 | | 8 | | | | |
| 1/4 | 1,608.07 | 1/4 | 3,947.07 | 1/4 | 6,286.08 | 1/4 | 8,625.09 | 1/4 | 10,964.09 | 1/4 | 13,303.10 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | | | |
| 1/2 | 1,656.80 | 1/2 | 3,995.80 | 1/2 | 6,334.81 | 1/2 | 8,673.82 | 1/2 | 11,012.82 | 1/2 | 13,351.83 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | | | |
| 3/4 | 1,705.53 | 3/4 | 4,044.53 | 3/4 | 6,383.54 | 3/4 | 8,722.54 | 3/4 | 11,061.55 | 3/4 | 13,400.56 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | | | |
| 9 | 1,754.25 | 9 | 4,093.26 | 9 | 6,432.27 | 9 | 8,771.27 | 9 | 11,110.28 | 9 | 13,449.29 | 9 | | 9 | | 9 | | 9 | | | | |
| 1/4 | 1,802.98 | 1/4 | 4,141.99 | 1/4 | 6,481.00 | 1/4 | 8,820.00 | 1/4 | 11,159.01 | 1/4 | 13,498.02 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | | | |
| 1/2 | 1,851.71 | 1/2 | 4,190.72 | 1/2 | 6,529.73 | 1/2 | 8,868.73 | 1/2 | 11,207.74 | 1/2 | 13,546.75 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | | | |
| 3/4 | 1,900.44 | 3/4 | 4,239.45 | 3/4 | 6,578.46 | 3/4 | 8,917.46 | 3/4 | 11,256.47 | 3/4 | 13,595.47 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | | | |
| 10 | 1,949.17 | 10 | 4,288.18 | 10 | 6,627.18 | 10 | 8,966.19 | 10 | 11,305.20 | 10 | 13,644.20 | 10 | | 10 | | 10 | | 10 | | | | |
| 1/4 | 1,997.90 | 1/4 | 4,336.91 | 1/4 | 6,675.91 | 1/4 | 9,014.92 | 1/4 | 11,353.93 | 1/4 | 13,692.93 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | | | |
| 1/2 | 2,046.63 | 1/2 | 4,385.64 | 1/2 | 6,724.64 | 1/2 | 9,063.65 | 1/2 | 11,402.66 | 1/2 | 13,741.66 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | | | |
| 3/4 | 2,095.36 | 3/4 | 4,434.37 | 3/4 | 6,773.37 | 3/4 | 9,112.38 | 3/4 | 11,451.39 | 3/4 | 13,790.39 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | | | |
| 11 | 2,144.09 | 11 | 4,483.10 | 11 | 6,822.10 | 11 | 9,161.11 | 11 | 11,500.11 | 11 | 13,839.12 | 11 | | 11 | | 11 | | 11 | | | | |
| 1/4 | 2,192.82 | 1/4 | 4,531.82 | 1/4 | 6,870.83 | 1/4 | 9,209.84 | 1/4 | 11,548.84 | 1/4 | 13,887.85 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | | | |
| 1/2 | 2,241.55 | 1/2 | 4,580.55 | 1/2 | 6,919.56 | 1/2 | 9,258.57 | 1/2 | 11,597.57 | 1/2 | 13,936.58 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | | | |
| 3/4 | 2,290.28 | 3/4 | 4,629.28 | 3/4 | 6,968.29 | 3/4 | 9,307.30 | 3/4 | 11,646.30 | 3/4 | 13,985.31 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | | | |
| CAPACITIES GIVEN IN U.S. GALLONS | | | | | | | | | | | | | | | | | | | STRAPPED: 27/12 | | | |

CAPACITIES GIVEN IN U.S. GALLONS

STRAPPED: 2/7/72

REFERENCE GAUGE HEIGHT : 6'-6" (RIM OF 2" DIAMETER PIPE
LOCATED NEAR CENTER OF TANK)

WE CERTIFY ALL MEASUREMENTS AND COMPUTATIONS ARE
IN ACCORDANCE WITH APPLICABLE API STANDARDS AND
ARE TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE.

INSPECTORATE AMERICA CORPORATION



BARGE "HFL-417"
HINES FURLONG LINE

1 PORT

ISO 9002 ACCREDITED

INNAGE TABLE

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 2200-1

| | 0 FT. | 1 FT. | 2 FT. | 3 FT. | 4 FT. | 5 FT. | 6 FT. | 7 FT. | 8 FT. | 9 FT. |
|-----|--------|-------|----------|-------|----------|-------|----------|-------|----------|-------|
| 0 * | 17.54 | 0 | 684.60 | 0 | 1,401.63 | 0 | 2,118.65 | 0 | 2,835.67 | 0 |
| 1/4 | 22.28 | 1/4 | 692.07 | 1/4 | 1,409.09 | 1/4 | 2,126.12 | 1/4 | 2,843.14 | 1/4 |
| 1/2 | 27.02 | 1/2 | 699.54 | 1/2 | 1,416.56 | 1/2 | 2,133.59 | 1/2 | 2,849.57 | 1/2 |
| 3/4 | 31.76 | 3/4 | 707.01 | 3/4 | 1,424.03 | 3/4 | 2,141.06 | 3/4 | 2,858.08 | 3/4 |
| 1 | 36.51 | 1 | 714.48 | 1 | 1,431.50 | 1 | 2,148.53 | 1 | 2,865.55 | 1 |
| 1/4 | 42.51 | 1/4 | 721.95 | 1/4 | 1,438.97 | 1/4 | 2,155.99 | 1/4 | 2,873.02 | 1/4 |
| 1/2 | 48.52 | 1/2 | 729.42 | 1/2 | 1,446.44 | 1/2 | 2,163.48 | 1/2 | 2,880.49 | 1/2 |
| 3/4 | 54.95 | 3/4 | 736.88 | 3/4 | 1,453.91 | 3/4 | 2,170.93 | 3/4 | 2,887.96 | 3/4 |
| 2 | 61.38 | 2 | 744.35 | 2 | 1,461.38 | 2 | 2,178.40 | 2 | 2,895.43 | 2 |
| 1/4 | 67.88 | 1/4 | 751.82 | 1/4 | 1,468.85 | 1/4 | 2,185.87 | 1/4 | 2,902.89 | 1/4 |
| 1/2 | 74.37 | 1/2 | 759.29 | 1/2 | 1,476.32 | 1/2 | 2,193.34 | 1/2 | 2,910.36 | 1/2 |
| 3/4 | 80.87 | 3/4 | 766.76 | 3/4 | 1,483.78 | 3/4 | 2,200.81 | 3/4 | 2,917.83 | 3/4 |
| 3 | 87.37 | 3 | 774.23 | 3 | 1,491.25 | 3 | 2,208.28 | 3 | 2,925.30 | 3 |
| 1/4 | 93.87 | 1/4 | 781.70 | 1/4 | 1,498.72 | 1/4 | 2,215.75 | 1/4 | 2,932.77 | 1/4 |
| 1/2 | 100.37 | 1/2 | 789.17 | 1/2 | 1,506.19 | 1/2 | 2,223.22 | 1/2 | 2,940.24 | 1/2 |
| 3/4 | 106.85 | 3/4 | 796.64 | 3/4 | 1,513.66 | 3/4 | 2,230.68 | 3/4 | 2,947.71 | 3/4 |
| 4 | 113.36 | 4 | 804.11 | 4 | 1,521.13 | 4 | 2,238.15 | 4 | 2,955.18 | 4 |
| 1/4 | 119.98 | 1/4 | 811.57 | 1/4 | 1,528.60 | 1/4 | 2,245.62 | 1/4 | 2,962.65 | 1/4 |
| 1/2 | 126.60 | 1/2 | 819.04 | 1/2 | 1,536.07 | 1/2 | 2,253.09 | 1/2 | 2,970.12 | 1/2 |
| 3/4 | 133.22 | 3/4 | 826.51 | 3/4 | 1,543.54 | 3/4 | 2,260.56 | 3/4 | 2,977.58 | 3/4 |
| 5 | 139.84 | 5 | 833.98 | 5 | 1,551.01 | 5 | 2,268.03 | 5 | 2,985.05 | 5 |
| 1/4 | 146.46 | 1/4 | 841.45 | 1/4 | 1,558.47 | 1/4 | 2,275.50 | 1/4 | 2,992.52 | 1/4 |
| 1/2 | 153.08 | 1/2 | 848.92 | 1/2 | 1,565.94 | 1/2 | 2,282.97 | 1/2 | 2,999.99 | 1/2 |
| 3/4 | 159.69 | 3/4 | 856.39 | 3/4 | 1,573.41 | 3/4 | 2,290.44 | 3/4 | 3,007.46 | 3/4 |
| 6 | 166.31 | 6 | 863.86 | 6 | 1,580.88 | 6 | 2,297.91 | 6 | 3,014.93 | 6 |
| 1/4 | 173.06 | 1/4 | 871.33 | 1/4 | 1,588.35 | 1/4 | 2,305.38 | 1/4 | 3,022.40 | 1/4 |
| 1/2 | 179.80 | 1/2 | 878.80 | 1/2 | 1,595.82 | 1/2 | 2,312.84 | 1/2 | 3,029.87 | 1/2 |
| 3/4 | 186.54 | 3/4 | 886.26 | 3/4 | 1,603.29 | 3/4 | 2,320.31 | 3/4 | 3,037.34 | 3/4 |
| 7 | 193.28 | 7 | 893.73 | 7 | 1,610.76 | 7 | 2,327.78 | 7 | 3,044.81 | 7 |
| 1/4 | 200.02 | 1/4 | 901.20 | 1/4 | 1,618.23 | 1/4 | 2,335.25 | 1/4 | 3,052.74 | 1/4 |
| 1/2 | 206.77 | 1/2 | 908.67 | 1/2 | 1,625.70 | 1/2 | 2,342.72 | 1/2 | 3,059.74 | 1/2 |
| 3/4 | 213.51 | 3/4 | 916.14 | 3/4 | 1,633.16 | 3/4 | 2,350.19 | 3/4 | 3,067.21 | 3/4 |
| 8 | 220.25 | 8 | 923.61 | 8 | 1,640.63 | 8 | 2,357.66 | 8 | 3,074.68 | 8 |
| 1/4 | 227.11 | 1/4 | 931.08 | 1/4 | 1,648.10 | 1/4 | 2,365.13 | 1/4 | 3,082.15 | 1/4 |
| 1/2 | 233.98 | 1/2 | 938.55 | 1/2 | 1,655.57 | 1/2 | 2,372.60 | 1/2 | 3,089.62 | 1/2 |
| 3/4 | 240.84 | 3/4 | 946.02 | 3/4 | 1,663.04 | 3/4 | 2,380.08 | 3/4 | 3,097.09 | 3/4 |
| 9 | 247.70 | 9 | 953.49 | 9 | 1,670.51 | 9 | 2,387.53 | 9 | 3,104.56 | 9 |
| 1/4 | 254.56 | 1/4 | 960.95 | 1/4 | 1,677.98 | 1/4 | 2,395.00 | 1/4 | 3,112.03 | 1/4 |
| 1/2 | 261.43 | 1/2 | 968.42 | 1/2 | 1,685.45 | 1/2 | 2,402.47 | 1/2 | 3,119.50 | 1/2 |
| 3/4 | 268.29 | 3/4 | 975.89 | 3/4 | 1,692.92 | 3/4 | 2,409.94 | 3/4 | 3,126.96 | 3/4 |
| 10 | 275.15 | 10 | 983.36 | 10 | 1,700.39 | 10 | 2,417.41 | 10 | 3,134.43 | 10 |
| 1/4 | 282.14 | 1/4 | 990.83 | 1/4 | 1,707.85 | 1/4 | 2,424.88 | 1/4 | 3,141.90 | 1/4 |
| 1/2 | 289.12 | 1/2 | 998.30 | 1/2 | 1,715.32 | 1/2 | 2,432.35 | 1/2 | 3,149.37 | 1/2 |
| 3/4 | 296.11 | 3/4 | 1,005.77 | 3/4 | 1,722.79 | 3/4 | 2,439.82 | 3/4 | 3,156.84 | 3/4 |
| 11 | 303.09 | 11 | 1,013.24 | 11 | 1,730.26 | 11 | 2,447.29 | 11 | 3,164.31 | 11 |
| 1/4 | 310.07 | 1/4 | 1,020.71 | 1/4 | 1,737.73 | 1/4 | 2,454.75 | 1/4 | 3,171.78 | 1/4 |
| 1/2 | 317.06 | 1/2 | 1,028.18 | 1/2 | 1,745.20 | 1/2 | 2,462.22 | 1/2 | 3,179.25 | 1/2 |
| 3/4 | 324.04 | 3/4 | 1,035.64 | 3/4 | 1,752.67 | 3/4 | 2,469.69 | 3/4 | 3,186.72 | 3/4 |

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BARGE "HFL-417"
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|----|-----|--------|-------|--------|-------|----------|-------|----------|-------|----------|-------|
| IN | 0 * | 17.54 | 0 | 684.60 | 0 | 1,043.11 | 0 | 1,760.14 | 0 | 2,477.16 | 0 |
| | 1/4 | 22.28 | 1/4 | 338.13 | 1/4 | 1,050.58 | 1/4 | 1,767.61 | 1/4 | 2,484.63 | 1/4 |
| | 1/2 | 27.02 | 1/2 | 345.24 | 1/2 | 1,058.05 | 1/2 | 1,775.08 | 1/2 | 2,492.10 | 1/2 |
| | 3/4 | 31.76 | 3/4 | 352.35 | 3/4 | 1,065.52 | 3/4 | 1,782.54 | 3/4 | 2,499.57 | 3/4 |
| IN | 1 | 36.51 | 1 | 359.45 | 1 | 1,072.99 | 1 | 1,790.01 | 1 | 2,507.04 | 1 |
| | 1/4 | 42.51 | 1/4 | 366.56 | 1/4 | 1,080.46 | 1/4 | 1,438.97 | 1/4 | 2,514.51 | 1/4 |
| | 1/2 | 48.52 | 1/2 | 373.67 | 1/2 | 1,087.93 | 1/2 | 1,446.44 | 1/2 | 2,521.98 | 1/2 |
| | 3/4 | 54.95 | 3/4 | 380.77 | 3/4 | 1,095.40 | 3/4 | 1,453.91 | 3/4 | 2,529.44 | 3/4 |
| IN | 2 | 61.38 | 2 | 387.88 | 2 | 1,102.87 | 2 | 1,461.38 | 2 | 2,536.91 | 2 |
| | 1/4 | 67.88 | 1/4 | 395.16 | 1/4 | 1,110.33 | 1/4 | 1,468.85 | 1/4 | 2,544.38 | 1/4 |
| | 1/2 | 74.37 | 1/2 | 402.44 | 1/2 | 1,117.80 | 1/2 | 1,476.32 | 1/2 | 2,551.85 | 1/2 |
| | 3/4 | 80.87 | 3/4 | 409.72 | 3/4 | 1,125.27 | 3/4 | 1,483.78 | 3/4 | 2,559.32 | 3/4 |
| IN | 3 | 87.37 | 3 | 417.00 | 3 | 1,132.74 | 3 | 1,491.25 | 3 | 2,566.79 | 3 |
| | 1/4 | 93.87 | 1/4 | 424.28 | 1/4 | 1,140.21 | 1/4 | 1,498.72 | 1/4 | 2,574.26 | 1/4 |
| | 1/2 | 100.37 | 1/2 | 431.56 | 1/2 | 1,147.68 | 1/2 | 1,506.19 | 1/2 | 2,581.73 | 1/2 |
| | 3/4 | 106.86 | 3/4 | 438.84 | 3/4 | 1,155.15 | 3/4 | 1,513.66 | 3/4 | 2,589.20 | 3/4 |
| IN | 4 | 113.36 | 4 | 446.12 | 4 | 1,162.62 | 4 | 1,521.13 | 4 | 2,596.67 | 4 |
| | 1/4 | 119.98 | 1/4 | 453.52 | 1/4 | 1,170.09 | 1/4 | 1,528.60 | 1/4 | 2,604.13 | 1/4 |
| | 1/2 | 126.60 | 1/2 | 460.93 | 1/2 | 1,177.56 | 1/2 | 1,536.07 | 1/2 | 2,611.60 | 1/2 |
| | 3/4 | 133.22 | 3/4 | 468.33 | 3/4 | 1,185.02 | 3/4 | 1,543.54 | 3/4 | 2,619.07 | 3/4 |
| IN | 5 | 139.84 | 5 | 475.73 | 5 | 1,192.49 | 5 | 1,551.01 | 5 | 2,626.54 | 5 |
| | 1/4 | 146.46 | 1/4 | 483.14 | 1/4 | 1,199.96 | 1/4 | 1,558.47 | 1/4 | 2,634.01 | 1/4 |
| | 1/2 | 153.08 | 1/2 | 490.54 | 1/2 | 1,207.43 | 1/2 | 1,565.94 | 1/2 | 2,641.48 | 1/2 |
| | 3/4 | 159.69 | 3/4 | 497.94 | 3/4 | 1,214.90 | 3/4 | 1,573.41 | 3/4 | 2,648.95 | 3/4 |
| IN | 6 | 166.31 | 6 | 505.35 | 6 | 1,222.37 | 6 | 1,580.88 | 6 | 2,656.42 | 6 |
| | 1/4 | 173.06 | 1/4 | 512.81 | 1/4 | 1,229.84 | 1/4 | 1,588.35 | 1/4 | 2,663.89 | 1/4 |
| | 1/2 | 179.80 | 1/2 | 520.28 | 1/2 | 1,237.31 | 1/2 | 1,595.82 | 1/2 | 2,671.36 | 1/2 |
| | 3/4 | 186.54 | 3/4 | 527.75 | 3/4 | 1,244.78 | 3/4 | 1,603.29 | 3/4 | 2,678.82 | 3/4 |
| IN | 7 | 193.28 | 7 | 535.22 | 7 | 1,252.25 | 7 | 1,610.76 | 7 | 2,686.29 | 7 |
| | 1/4 | 200.02 | 1/4 | 542.69 | 1/4 | 1,259.71 | 1/4 | 1,618.23 | 1/4 | 2,693.76 | 1/4 |
| | 1/2 | 206.77 | 1/2 | 550.16 | 1/2 | 1,267.18 | 1/2 | 1,625.70 | 1/2 | 2,701.23 | 1/2 |
| | 3/4 | 213.51 | 3/4 | 557.63 | 3/4 | 1,274.65 | 3/4 | 1,633.16 | 3/4 | 2,708.70 | 3/4 |
| IN | 8 | 220.25 | 8 | 565.10 | 8 | 1,282.12 | 8 | 1,640.63 | 8 | 2,716.17 | 8 |
| | 1/4 | 227.11 | 1/4 | 572.57 | 1/4 | 1,289.59 | 1/4 | 1,648.10 | 1/4 | 2,723.64 | 1/4 |
| | 1/2 | 233.98 | 1/2 | 580.04 | 1/2 | 1,297.06 | 1/2 | 1,655.57 | 1/2 | 2,731.11 | 1/2 |
| | 3/4 | 240.84 | 3/4 | 587.50 | 3/4 | 1,304.53 | 3/4 | 1,663.04 | 3/4 | 2,738.58 | 3/4 |
| IN | 9 | 247.70 | 9 | 594.97 | 9 | 1,312.00 | 9 | 1,670.51 | 9 | 2,746.05 | 9 |
| | 1/4 | 254.56 | 1/4 | 602.44 | 1/4 | 1,319.47 | 1/4 | 1,677.98 | 1/4 | 2,753.51 | 1/4 |
| | 1/2 | 261.43 | 1/2 | 609.91 | 1/2 | 1,326.94 | 1/2 | 1,685.45 | 1/2 | 2,760.98 | 1/2 |
| | 3/4 | 268.29 | 3/4 | 617.38 | 3/4 | 1,334.40 | 3/4 | 1,692.92 | 3/4 | 2,768.45 | 3/4 |
| IN | 10 | 275.15 | 10 | 624.85 | 10 | 1,341.87 | 10 | 1,700.39 | 10 | 2,775.92 | 10 |
| | 1/4 | 282.14 | 1/4 | 632.32 | 1/4 | 1,349.34 | 1/4 | 1,707.85 | 1/4 | 2,783.39 | 1/4 |
| | 1/2 | 289.12 | 1/2 | 639.79 | 1/2 | 1,356.81 | 1/2 | 1,715.32 | 1/2 | 2,790.86 | 1/2 |
| | 3/4 | 296.11 | 3/4 | 647.26 | 3/4 | 1,364.28 | 3/4 | 1,722.79 | 3/4 | 2,798.33 | 3/4 |
| IN | 11 | 303.09 | 11 | 654.73 | 11 | 1,371.75 | 11 | 1,730.26 | 11 | 2,805.80 | 11 |
| | 1/4 | 310.07 | 1/4 | 662.19 | 1/4 | 1,379.22 | 1/4 | 1,737.73 | 1/4 | 2,813.27 | 1/4 |
| | 1/2 | 317.06 | 1/2 | 669.66 | 1/2 | 1,386.69 | 1/2 | 1,745.20 | 1/2 | 2,820.74 | 1/2 |
| | 3/4 | 324.04 | 3/4 | 677.13 | 3/4 | 1,394.16 | 3/4 | 1,752.67 | 3/4 | 2,828.20 | 3/4 |

| IN | | 10 FT. | 11 FT. | 12 FT. | 13 FT. | 14 FT. | 15 FT. | 16 FT. | 17 FT. | 18 FT. | 19 FT. |
|----|-----|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|
| IN | 0 | 3,552.70 | 0 | 3,911.21 | 0 | 4,628.23 | 0 | 4,986.75 | 0 | 5,703.77 | 0 |
| | 1/4 | 3,560.17 | 1/4 | 3,918.68 | 1/4 | 4,635.70 | 1/4 | 4,994.21 | 1/4 | 5,711.24 | 1/4 |
| | 1/2 | 3,567.64 | 1/2 | 3,926.15 | 1/2 | 4,643.17 | 1/2 | 5,001.68 | 1/2 | 5,718.71 | 1/2 |
| | 3/4 | 3,575.10 | 3/4 | 3,933.62 | 3/4 | 4,650.64 | 3/4 | 5,009.15 | 3/4 | 5,726.18 | 3/4 |
| IN | 1 | 3,582.57 | 1 | 3,941.09 | 1 | 4,658.11 | 1 | 5,015.51 | 1 | 5,733.65 | 1 |
| | 1/4 | 3,590.04 | 1/4 | 3,948.55 | 1/4 | 4,665.58 | 1/4 | 5,022.42 | 1/4 | 5,741.12 | 1/4 |
| | 1/2 | 3,597.51 | 1/2 | 3,956.02 | 1/2 | 4,673.05 | 1/2 | 5,029.33 | 1/2 | 5,748.59 | 1/2 |
| | 3/4 | 3,604.98 | 3/4 | 3,963.49 | 3/4 | 4,680.52 | 3/4 | 5,035.13 | 3/4 | 5,756.06 | 3/4 |
| IN | 2 | 3,612.45 | 2 | 3,970.96 | 2 | 4,687.99 | 2 | 5,040.94 | 2 | 5,763.53 | 2 |
| | 1/4 | 3,619.92 | 1/4 | 3,978.43 | 1/4 | 4,695.45 | 1/4 | 5,046.74 | 1/4 | 5,770.99 | 1/4 |
| | 1/2 | 3,627.39 | 1/2 | 3,985.90 | 1/2 | 4,702.92 | 1/2 | 5,052.55 | 1/2 | 5,778.46 | 1/2 |
| | 3/4 | 3,634.86 | 3/4 | 3,993.37 | 3/4 | 4,710.39 | 3/4 | 5,058.35 | 3/4 | 5,785.93 | 3/4 |
| IN | 3 | 3,642.33 | 3 | 4,000.84 | 3 | 4,717.86 | 3 | 5,064.14 | 3 | 5,793.40 | 3 |
| | 1/4 | 3,649.79 | 1/4 | 4,008.31 | 1/4 | 4,725.33 | 1/4 | 5,069.94 | 1/4 | 5,800.87 | 1/4 |
| | 1/2 | 3,657.26 | 1/2 | 4,015.78 | 1/2 | 4,732.80 | 1/2 | 5,075.74 | 1/2 | 5,808.34 | 1/2 |
| | 3/4 | 3,664.73 | 3/4 | 4,023.24 | 3/4 | 4,740.27 | 3/4 | 5,081.54 | 3/4 | 5,815.81 | 3/4 |
| IN | 4 | 3,672.20 | 4 | 4,030.71 | 4 | 4,747.74 | 4 | 5,087.34 | 4 | 5,823.28 | 4 |
| | 1/4 | 3,679.67 | 1/4 | 4,038.18 | 1/4 | 4,755.21 | 1/4 | 5,093.14 | 1/4 | 5,830.75 | 1/4 |
| | 1/2 | 3,687.14 | 1/2 | 4,045.65 | 1/2 | 4,762.68 | 1/2 | 5,098.94 | 1/2 | 5,838.22 | 1/2 |
| | 3/4 | 3,694.61 | 3/4 | 4,053.12 | 3/4 | 4,770.14 | 3/4 | 5,104.74 | 3/4 | 5,845.69 | 3/4 |
| IN | 5 | 3,702.08 | 5 | 4,060.59 | 5 | 4,777.61 | 5 | 5,110.54 | 5 | 5,853.16 | 5 |
| | 1/4 | 3,709.55 | 1/4 | 4,068.06 | 1/4 | 4,785.08 | 1/4 | 5,116.34 | 1/4 | 5,860.63 | 1/4 |
| | 1/2 | 3,717.02 | 1/2 | 4,075.53 | 1/2 | 4,792.55 | 1/2 | 5,122.14 | 1/2 | 5,868.10 | 1/2 |
| | 3/4 | 3,724.49 | 3/4 | 4,083.00 | 3/4 | 4,800.02 | 3/4 | 5,127.94 | 3/4 | 5,875.57 | 3/4 |
| IN | 6 | 3,731.95 | 6 | 4,090.47 | 6 | 4,807.49 | 6 | 5,133.74 | 6 | 5,883.04 | 6 |
| | 1/4 | 3,739.42 | 1/4 | 4,097.93 | 1/4 | 4,814.96 | 1/4 | 5,139.54 | 1/4 | 5,890.51 | 1/4 |
| | 1/2 | 3,746.89 | 1/2 | 4,105.40 | 1/2 | 4,822.43 | 1/2 | 5,145.34 | 1/2 | 5,897.98 | 1/2 |
| | 3/4 | 3,754.36 | 3/4 | 4,112.87 | 3/4 | 4,829.90 | 3/4 | 5,151.14 | 3/4 | 5,905.45 | 3/4 |
| IN | 7 | 3,761.83 | 7 | 4,120.34 | 7 | 4,837.37 | 7 | 5,156.94 | 7 | 5,912.92 | 7 |
| | 1/4 | 3,769.30 | 1/4 | 4,127.81 | 1/4 | 4,844.83 | 1/4 | 5,162.74 | 1/4 | 5,920.39 | 1/4 |
| | 1/2 | 3,776.77 | 1/2 | 4,135.28 | 1/2 | 4,852.30 | 1/2 | 5,168.54 | 1/2 | 5,927.86 | 1/2 |
| | 3/4 | 3,784.24 | 3/4 | 4,142.75 | 3/4 | 4,859.77 | 3/4 | 5,174.34 | 3/4 | 5,935.33 | 3/4 |
| IN | 8 | 3,791.71 | 8 | 4,150.22 | 8 | 4,867.24 | 8 | 5,180.14 | 8 | 5,942.80 | 8 |
| | 1/4 | 3,799.17 | 1/4 | 4,157.69 | 1/4 | 4,874.71 | 1/4 | 5,185.94 | 1/4 | 5,950.27 | 1/4 |
| | 1/2 | 3,806.64 | 1/2 | 4,165.16 | 1/2 | 4,882.18 | 1/2 | 5,191.74 | 1/2 | 5,957.74 | 1/2 |
| | 3/4 | 3,814.11 | 3/4 | 4,172.62 | 3/4 | 4,889.65 | 3/4 | 5,197.54 | 3/4 | 5,965.21 | 3/4 |
| IN | 9 | 3,821.58 | 9 | 4,180.09 | 9 | 4,897.12 | 9 | 5,203.34 | 9 | 5,972.68 | 9 |
| | 1/4 | 3,829.05 | 1/4 | 4,187.56 | 1/4 | 4,904.59 | 1/4 | 5,209.14 | 1/4 | 5,980.15 | 1/4 |
| | 1/2 | 3,836.52 | 1/2 | 4,195.03 | 1/2 | 4,912.06 | 1/2 | 5,214.94 | 1/2 | 5,987.62 | 1/2 |
| | 3/4 | 3,843.99 | 3/4 | 4,202.50 | 3/4 | 4,919.52 | 3/4 | 5,220.74 | 3/4 | 5,995.09 | 3/4 |
| IN | 10 | 3,851.46 | 10 | 4,209.97 | 10 | 4,926.99 | 10 | 5,226.54 | 10 | 6,002.56 | 10 |
| | 1/4 | 3,858.93 | 1/4 | 4,217.44 | 1/4 | 4,934.46 | 1/4 | 5,232.34 | 1/4 | 6,010.03 | 1/4 |
| | 1/2 | 3,866.40 | 1/2 | 4,224.91 | 1/2 | 4,941.93 | 1/2 | 5,238.14 | 1/2 | 6,017.50 | 1/2 |
| | 3/4 | 3,873.86 | 3/4 | 4,232.38 | 3/4 | 4,949.40 | 3/4 | 5,243.94 | 3/4 | 6,024.97 | 3/4 |
| IN | 11 | 3,881.33 | 11 | 4,239.85 | 11 | 4,956.87 | 11 | 5,249.74 | 11 | 6,032.44 | 11 |
| | 1/4 | 3,888.80 | 1/4 | 4,247.31 | 1/4 | 4,964.34 | 1/4 | 5,255.54 | 1/4 | 6,039.91 | 1/4 |
| | 1/2 | 3,896.27 | 1/2 | 4,254.78 | 1/2 | 4,971.81 | 1/2 | 5,261.34 | 1/2 | 6,047.38 | 1/2 |
| | 3/4 | 3,903.74 | 3/4 | 4,262.25 | 3/4 | 4,979.28 | 3/4 | 5,267.14 | 3/4 | 6,054.85 | 3/4 |

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS



BARGE "HFL-417"
HINES FURLONG LINE
2 PORT

ISO 9002 ACCREDITED

INNAGE TABLE

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 2200-1

| 0 FT. | | 1 FT. | 2 FT. | 3 FT. | 4 FT. | 5 FT. | 6 FT. | 7 FT. | 8 FT. | 9 FT. |
|-------|--------|-------|----------|-------|----------|-------|----------|-------|----------|-------|
| IN | OUT | IN | IN | IN | IN | IN | IN | IN | IN | IN |
| 0 * | 17.37 | 0 | 724.35 | 0 | 1,083.58 | 0 | 1,442.82 | 0 | 2,161.28 | 0 |
| 1/4 | 23.21 | 1/4 | 731.84 | 1/4 | 1,091.07 | 1/4 | 1,450.30 | 1/4 | 2,168.77 | 1/4 |
| 1/2 | 28.56 | 1/2 | 739.32 | 1/2 | 1,098.55 | 1/2 | 1,457.79 | 1/2 | 2,176.25 | 1/2 |
| 3/4 | 33.90 | 3/4 | 746.80 | 3/4 | 1,106.04 | 3/4 | 1,465.27 | 3/4 | 2,183.74 | 3/4 |
| 1 | 39.24 | 1 | 754.29 | 1 | 1,113.52 | 1 | 1,472.75 | 1 | 2,191.22 | 1 |
| 1/4 | 46.19 | 1/4 | 761.77 | 1/4 | 1,121.00 | 1/4 | 1,480.24 | 1/4 | 2,198.70 | 1/4 |
| 1/2 | 53.14 | 1/2 | 769.26 | 1/2 | 1,128.49 | 1/2 | 1,487.72 | 1/2 | 2,206.19 | 1/2 |
| 3/4 | 60.62 | 3/4 | 776.74 | 3/4 | 1,135.97 | 3/4 | 1,495.21 | 3/4 | 2,213.67 | 3/4 |
| 2 | 68.11 | 2 | 784.22 | 2 | 1,143.46 | 2 | 1,502.69 | 2 | 2,221.16 | 2 |
| 1/4 | 75.55 | 1/4 | 791.71 | 1/4 | 1,150.94 | 1/4 | 1,510.17 | 1/4 | 2,228.64 | 1/4 |
| 1/2 | 82.98 | 1/2 | 799.19 | 1/2 | 1,158.42 | 1/2 | 1,517.66 | 1/2 | 2,236.12 | 1/2 |
| 3/4 | 90.42 | 3/4 | 806.68 | 3/4 | 1,165.91 | 3/4 | 1,525.14 | 3/4 | 2,243.61 | 3/4 |
| 3 | 97.85 | 3 | 814.16 | 3 | 1,173.39 | 3 | 1,532.63 | 3 | 2,251.09 | 3 |
| 1/4 | 105.29 | 1/4 | 821.64 | 1/4 | 1,180.88 | 1/4 | 1,540.11 | 1/4 | 2,258.58 | 1/4 |
| 1/2 | 112.72 | 1/2 | 829.13 | 1/2 | 1,188.36 | 1/2 | 1,547.59 | 1/2 | 2,266.06 | 1/2 |
| 3/4 | 120.16 | 3/4 | 836.61 | 3/4 | 1,195.85 | 3/4 | 1,555.08 | 3/4 | 2,273.54 | 3/4 |
| 4 | 127.59 | 4 | 844.10 | 4 | 1,203.33 | 4 | 1,562.56 | 4 | 2,281.03 | 4 |
| 1/4 | 135.03 | 1/4 | 851.58 | 1/4 | 1,210.81 | 1/4 | 1,570.05 | 1/4 | 2,288.51 | 1/4 |
| 1/2 | 142.46 | 1/2 | 859.06 | 1/2 | 1,218.30 | 1/2 | 1,577.53 | 1/2 | 2,296.00 | 1/2 |
| 3/4 | 149.90 | 3/4 | 866.55 | 3/4 | 1,225.78 | 3/4 | 1,585.01 | 3/4 | 2,303.48 | 3/4 |
| 5 | 157.33 | 5 | 874.03 | 5 | 1,233.27 | 5 | 1,592.50 | 5 | 2,310.96 | 5 |
| 1/4 | 164.77 | 1/4 | 881.52 | 1/4 | 1,240.75 | 1/4 | 1,599.98 | 1/4 | 2,318.45 | 1/4 |
| 1/2 | 172.20 | 1/2 | 889.00 | 1/2 | 1,248.23 | 1/2 | 1,607.47 | 1/2 | 2,325.93 | 1/2 |
| 3/4 | 179.64 | 3/4 | 896.48 | 3/4 | 1,255.72 | 3/4 | 1,614.95 | 3/4 | 2,333.42 | 3/4 |
| 6 | 187.07 | 6 | 903.97 | 6 | 1,263.20 | 6 | 1,622.43 | 6 | 2,340.90 | 6 |
| 1/4 | 194.51 | 1/4 | 911.45 | 1/4 | 1,270.69 | 1/4 | 1,629.92 | 1/4 | 2,348.38 | 1/4 |
| 1/2 | 201.94 | 1/2 | 918.94 | 1/2 | 1,278.17 | 1/2 | 1,637.40 | 1/2 | 2,355.87 | 1/2 |
| 3/4 | 209.38 | 3/4 | 926.42 | 3/4 | 1,285.65 | 3/4 | 1,644.89 | 3/4 | 2,363.35 | 3/4 |
| 7 | 216.81 | 7 | 933.90 | 7 | 1,293.14 | 7 | 1,652.37 | 7 | 2,370.84 | 7 |
| 1/4 | 224.25 | 1/4 | 941.39 | 1/4 | 1,300.62 | 1/4 | 1,659.85 | 1/4 | 2,378.32 | 1/4 |
| 1/2 | 231.68 | 1/2 | 948.87 | 1/2 | 1,308.11 | 1/2 | 1,667.34 | 1/2 | 2,385.80 | 1/2 |
| 3/4 | 239.12 | 3/4 | 956.36 | 3/4 | 1,315.59 | 3/4 | 1,674.82 | 3/4 | 2,393.29 | 3/4 |
| 8 | 246.55 | 8 | 963.84 | 8 | 1,323.07 | 8 | 1,682.31 | 8 | 2,400.77 | 8 |
| 1/4 | 253.99 | 1/4 | 971.32 | 1/4 | 1,330.56 | 1/4 | 1,689.79 | 1/4 | 2,408.26 | 1/4 |
| 1/2 | 261.42 | 1/2 | 978.81 | 1/2 | 1,338.04 | 1/2 | 1,697.27 | 1/2 | 2,415.74 | 1/2 |
| 3/4 | 268.86 | 3/4 | 986.29 | 3/4 | 1,345.53 | 3/4 | 1,704.76 | 3/4 | 2,423.22 | 3/4 |
| 9 | 276.29 | 9 | 993.78 | 9 | 1,353.01 | 9 | 1,712.24 | 9 | 2,430.71 | 9 |
| 1/4 | 283.73 | 1/4 | 1,001.26 | 1/4 | 1,360.49 | 1/4 | 1,719.73 | 1/4 | 2,438.19 | 1/4 |
| 1/2 | 291.16 | 1/2 | 1,008.74 | 1/2 | 1,367.98 | 1/2 | 1,727.21 | 1/2 | 2,445.68 | 1/2 |
| 3/4 | 298.60 | 3/4 | 1,016.23 | 3/4 | 1,375.46 | 3/4 | 1,734.69 | 3/4 | 2,453.16 | 3/4 |
| 10 | 306.03 | 10 | 1,023.71 | 10 | 1,382.95 | 10 | 1,742.18 | 10 | 2,460.64 | 10 |
| 1/4 | 313.47 | 1/4 | 1,031.20 | 1/4 | 1,390.43 | 1/4 | 1,749.66 | 1/4 | 2,468.13 | 1/4 |
| 1/2 | 320.90 | 1/2 | 1,038.68 | 1/2 | 1,397.91 | 1/2 | 1,757.15 | 1/2 | 2,475.61 | 1/2 |
| 3/4 | 328.34 | 3/4 | 1,046.16 | 3/4 | 1,405.40 | 3/4 | 1,764.63 | 3/4 | 2,483.10 | 3/4 |
| 11 | 335.77 | 11 | 1,053.65 | 11 | 1,412.88 | 11 | 1,772.11 | 11 | 2,490.58 | 11 |
| 1/4 | 343.21 | 1/4 | 1,061.13 | 1/4 | 1,420.37 | 1/4 | 1,779.60 | 1/4 | 2,498.06 | 1/4 |
| 1/2 | 350.64 | 1/2 | 1,068.62 | 1/2 | 1,427.85 | 1/2 | 1,787.08 | 1/2 | 2,505.55 | 1/2 |
| 3/4 | 358.08 | 3/4 | 1,076.10 | 3/4 | 1,435.33 | 3/4 | 1,794.57 | 3/4 | 2,513.03 | 3/4 |

| 10 FT. | | 11 FT. | 12 FT. | 13 FT. | 14 FT. | 15 FT. | 16 FT. | 17 FT. | 18 FT. | 19 FT. |
|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|
| IN | OUT | IN | IN | IN | IN | IN | IN | IN | IN | IN |
| 0 | 3,598.22 | 0 | 4,316.68 | 0 | 4,675.91 | 0 | 5,032.73 | 0 | 5,389.54 | 0 |
| 1/4 | 3,605.70 | 1/4 | 4,324.17 | 1/4 | 4,683.40 | 1/4 | 5,040.16 | 1/4 | 5,396.97 | 1/4 |
| 1/2 | 3,613.18 | 1/2 | 4,331.65 | 1/2 | 4,690.88 | 1/2 | 5,047.59 | 1/2 | 5,404.39 | 1/2 |
| 3/4 | 3,620.67 | 3/4 | 4,339.13 | 3/4 | 4,698.37 | 3/4 | 5,054.46 | 3/4 | 5,411.82 | 3/4 |
| 1 | 3,628.15 | 1 | 4,346.62 | 1 | 4,705.85 | 1 | 5,061.34 | 1 | 5,419.24 | 1 |
| 1/4 | 3,635.64 | 1/4 | 4,354.10 | 1/4 | 4,713.28 | 1/4 | 5,068.21 | 1/4 | 5,426.67 | 1/4 |
| 1/2 | 3,643.12 | 1/2 | 4,361.59 | 1/2 | 4,720.71 | 1/2 | 5,075.09 | 1/2 | 5,434.09 | 1/2 |
| 3/4 | 3,650.60 | 3/4 | 4,369.07 | 3/4 | 4,728.14 | 3/4 | 5,080.90 | 3/4 | 5,441.52 | 3/4 |
| 2 | 3,658.09 | 2 | 4,376.55 | 2 | 4,735.57 | 2 | 5,086.72 | 2 | 5,448.94 | 2 |
| 1/4 | 3,665.57 | 1/4 | 4,384.04 | 1/4 | 4,743.00 | 1/4 | 5,092.54 | 1/4 | 5,456.37 | 1/4 |
| 1/2 | 3,673.06 | 1/2 | 4,391.52 | 1/2 | 4,750.42 | 1/2 | 5,098.35 | 1/2 | 5,463.79 | 1/2 |
| 3/4 | 3,680.54 | 3/4 | 4,399.01 | 3/4 | 4,757.85 | 3/4 | 5,103.06 | 3/4 | 5,471.22 | 3/4 |
| 3 | 3,688.02 | 3 | 4,406.49 | 3 | 4,765.28 | 3 | 5,107.77 | 3 | 5,478.64 | 3 |
| 1/4 | 3,695.51 | 1/4 | 4,413.97 | 1/4 | 4,772.71 | 1/4 | 5,112.48 | 1/4 | 5,486.07 | 1/4 |
| 1/2 | 3,702.99 | 1/2 | 4,421.46 | 1/2 | 4,780.14 | 1/2 | 5,117.19 | 1/2 | 5,493.49 | 1/2 |
| 3/4 | 3,710.48 | 3/4 | 4,428.94 | 3/4 | 4,787.57 | 3/4 | 5,121.79 | 3/4 | 5,500.92 | 3/4 |
| 4 | 3,717.96 | 4 | 4,436.43 | 4 | 4,795.00 | 4 | 5,124.39 | 4 | 5,508.34 | 4 |
| 1/4 | 3,725.44 | 1/4 | 4,443.91 | 1/4 | 4,802.43 | 1/4 | 5,127.99 | 1/4 | 5,515.77 | 1/4 |
| 1/2 | 3,732.93 | 1/2 | 4,451.39 | 1/2 | 4,809.86 | 1/2 | 5,131.59 | 1/2 | 5,523.19 | 1/2 |
| 3/4 | 3,740.41 | 3/4 | 4,458.88 | 3/4 | 4,817.29 | 3/4 | 5,134.08 | 3/4 | 5,530.62 | 3/4 |
| 5 | 3,747.90 | 5 | 4,466.36 | 5 | 4,824.71 | 5 | 5,136.57 | 5 | 5,538.04 | 5 |
| 1/4 | 3,755.38 | 1/4 | 4,473.85 | 1/4 | 4,832.14 | 1/4 | 5,139.06 | 1/4 | 5,545.47 | 1/4 |
| 1/2 | 3,762.86 | 1/2 | 4,481.33 | 1/2 | 4,839.57 | 1/2 | 5,141.55 | 1/2 | 5,552.89 | 1/2 |
| 3/4 | 3,770.35 | 3/4 | 4,488.81 | 3/4 | 4,847.00 | 3/4 | 5,142.93 | 3/4 | 5,560.32 | 3/4 |
| 6 | 3,777.83 | 6 | 4,496.30 | 6 | 4,854.43 | 6 | 5,144.31 | 6 | 5,567.74 | 6 |
| 1/4 | 3,785.32 | 1/4 | 4,503.78 | 1/4 | 4,861.86 | 1/4 | 5,145.70 | 1/4 | 5,575.17 | 1/4 |
| 1/2 | 3,792.80 | 1/2 | 4,512.03 | 1/2 | 4,869.29 | 1/2 | 5,147.08 | 1/2 | 5,582.59 | 1/2 |
| 3/4 | 3,800.28 | 3/4 | 4,518.75 | 3/4 | 4,876.72 | 3/4 | 5,147.49 | 3/4 | 5,590.02 | 3/4 |
| 7 | 3,807.77 | 7 | 4,526.23 | 7 | 4,884.15 | 7 | 5,147.90 | 7 | 5,597.44 | 7 |
| 1/4 | 3,815.25 | 1/4 | 4,533.72 | 1/4 | 4,891.58 | 1/4 | 5,148.31 | 1/4 | 5,604.87 | 1/4 |
| 1/2 | 3,822.74 | 1/2 | 4,541.20 | 1/2 | 4,899.00 | 1/2 | 5,148.72 | 1/2 | 5,612.29 | 1/2 |
| 3/4 | 3,830.22 | 3/4 | 4,548.69 | 3/4 | 4,906.43 | 3/4 | 5,149.13 | 3/4 | 5,619.72 | 3/4 |
| 8 | 3,837.70 | 8 | 4,556.17 | 8 | 4,913.86 | 8 | 5,151.54 | 8 | 5,627.14 | 8 |
| 1/4 | 3,845.19 | 1/4 | 4,563.65 | 1/4 | 4,921.29 | 1/4 | 5,153.95 | 1/4 | 5,634.57 | 1/4 |
| 1/2 | 3,852.67 | 1/2 | 4,571.14 | 1/2 | 4,928.72 | 1/2 | 5,156.36 | 1/2 | 5,641.99 | 1/2 |
| 3/4 | 3,860.16 | 3/4 | 4,578.62 | 3/4 | 4,936.15 | 3/4 | 5,158.77 | 3/4 | 5,649.42 | 3/4 |
| 9 | 3,867.64 | 9 | 4,586.11 | 9 | 4,943.58 | 9 | 5,161.18 | 9 | 5,656.84 | 9 |
| 1/4 | 3,875.12 | 1/4 | 4,593.59 | 1/4 | 4,951.01 | 1/4 | 5,163.59 | 1/4 | 5,664.27 | 1/4 |
| 1/2 | 3,882.61 | 1/2 | 4,601.07 | 1/2 | 4,958.44 | 1/2 | 5,166.00 | 1/2 | 5,671.69 | 1/2 |
| 3/4 | 3,890.09 | 3/4 | 4,608.56 | 3/4 | 4,965.87 | 3/4 | 5,168.41 | 3/4 | 5,679.12 | 3/4 |
| 10 | 3,897.58 | 10 | 4,616.04 | 10 | 4,973.30 | 10 | 5,170.82 | 10 | 5,686.54 | 10 |
| 1/4 | 3,905.06 | 1/4 | 4,623.53 | 1/4 | 4,980.72 | 1/4 | 5,173.23 | 1/4 | 5,693.97 | 1/4 |
| 1/2 | 3,912.54 | 1/2 | 4,631.01 | 1/2 | 4,988.15 | 1/2 | 5,175.64 | 1/2 | 5,701.39 | 1/2 |
| 3/4 | 3,920.03 | 3/4 | 4,638.49 | 3/4 | 4,995.58 | 3/4 | 5,178.05 | 3/4 | 5,708.82 | 3/4 |
| 11 | 3,927.51 | 11 | 4,645.98 | 11 | 5,003.01 | 11 | 5,180.46 | 11 | 5,716.24 | 11 |
| 1/4 | 3,935.00 | 1/4 | 4,653.46 | 1/4 | 5,010.44 | 1/4 | 5,182.87 | 1/4 | 5,723.67 | 1/4 |
| 1/2 | 3,942.48 | 1/2 | 4,660.95 | 1/2 | 5,017.87 | 1/2 | 5,185.28 | 1/2 | 5,731.09 | 1/2 |
| 3/4 | 3,949.96 | 3/4 | 4,668.43 | 3/4 | 5,025.30 | 3/4 | 5,187.69 | 3/4 | 5,738.52 | 3/4 |

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

* CAPACITY BELOW STRIKE POINT

REFERENCE GAUGE HEIGHT : 16'-2 3/4" (RIM OF 8" DIAMETER HATCH
LOCATED NEAR CENTER OF TANK)

REFERENCE GAUGE HEIGHT : 15'-11 1/4" (RIM OF 2" DIAMETER BALL VALVE
LOCATED NEAR CENTER OF TANK)

WE CERTIFY ALL MEASUREMENTS AND COMPUTATIONS ARE
IN ACCORDANCE WITH APPLICABLE API STANDARDS AND
ARE TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE.

INSPECTORATE AMERICA CORPORATION



BARGE "HFL-417"
HINES FURLONG LINE
2 STAR

ISO 9002 ACCREDITED

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 2200-1

INNAGE TABLE

| 0 FT. | | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | | 7 FT. | | 8 FT. | | 9 FT. | |
|-------|---------|-------|--------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| N | W | N | W | N | W | N | W | N | W | N | W | N | W | N | W | N | W | N | W |
| 0 | * 17.87 | 0 | 365.51 | 0 | 724.35 | 0 | 1,083.58 | 0 | 1,442.82 | 0 | 1,802.05 | 0 | 2,161.28 | 0 | 2,520.52 | 0 | 2,879.75 | 0 | 3,238.98 |
| 1/4 | 23.21 | 1/4 | 372.95 | 1/4 | 731.84 | 1/4 | 1,091.07 | 1/4 | 1,450.30 | 1/4 | 1,809.53 | 1/4 | 2,168.77 | 1/4 | 2,528.00 | 1/4 | 2,887.23 | 1/4 | 3,246.47 |
| 1/2 | 28.56 | 1/2 | 380.38 | 1/2 | 739.32 | 1/2 | 1,098.55 | 1/2 | 1,457.79 | 1/2 | 1,817.02 | 1/2 | 2,176.25 | 1/2 | 2,535.48 | 1/2 | 2,894.72 | 1/2 | 3,253.95 |
| 3/4 | 33.90 | 3/4 | 387.80 | 3/4 | 746.80 | 3/4 | 1,106.04 | 3/4 | 1,465.27 | 3/4 | 1,824.50 | 3/4 | 2,183.74 | 3/4 | 2,542.97 | 3/4 | 2,902.20 | 3/4 | 3,261.43 |
| 1 | 39.24 | 1 | 395.25 | 1 | 754.29 | 1 | 1,113.52 | 1 | 1,472.75 | 1 | 1,831.99 | 1 | 2,191.22 | 1 | 2,550.45 | 1 | 2,909.69 | 1 | 3,268.92 |
| 1/4 | 46.19 | 1/4 | 402.69 | 1/4 | 761.77 | 1/4 | 1,121.00 | 1/4 | 1,480.24 | 1/4 | 1,839.47 | 1/4 | 2,198.70 | 1/4 | 2,557.94 | 1/4 | 2,917.17 | 1/4 | 3,276.40 |
| 1/2 | 53.14 | 1/2 | 410.12 | 1/2 | 769.26 | 1/2 | 1,128.49 | 1/2 | 1,487.72 | 1/2 | 1,846.95 | 1/2 | 2,206.19 | 1/2 | 2,565.42 | 1/2 | 2,924.65 | 1/2 | 3,283.89 |
| 3/4 | 60.62 | 3/4 | 417.56 | 3/4 | 776.74 | 3/4 | 1,135.97 | 3/4 | 1,495.21 | 3/4 | 1,854.44 | 3/4 | 2,213.67 | 3/4 | 2,572.90 | 3/4 | 2,932.14 | 3/4 | 3,291.37 |
| 2 | 68.11 | 2 | 424.99 | 2 | 784.22 | 2 | 1,143.46 | 2 | 1,502.69 | 2 | 1,861.92 | 2 | 2,221.16 | 2 | 2,580.39 | 2 | 2,939.62 | 2 | 3,298.85 |
| 1/4 | 75.55 | 1/4 | 432.48 | 1/4 | 791.71 | 1/4 | 1,150.94 | 1/4 | 1,510.17 | 1/4 | 1,869.41 | 1/4 | 2,228.64 | 1/4 | 2,587.87 | 1/4 | 2,947.11 | 1/4 | 3,306.34 |
| 1/2 | 82.98 | 1/2 | 439.96 | 1/2 | 799.19 | 1/2 | 1,158.42 | 1/2 | 1,517.66 | 1/2 | 1,876.89 | 1/2 | 2,236.12 | 1/2 | 2,595.36 | 1/2 | 2,954.59 | 1/2 | 3,313.82 |
| 3/4 | 90.42 | 3/4 | 447.44 | 3/4 | 806.68 | 3/4 | 1,165.91 | 3/4 | 1,525.14 | 3/4 | 1,884.37 | 3/4 | 2,243.61 | 3/4 | 2,602.84 | 3/4 | 2,962.07 | 3/4 | 3,321.31 |
| 3 | 97.85 | 3 | 454.93 | 3 | 814.16 | 3 | 1,173.39 | 3 | 1,532.63 | 3 | 1,891.86 | 3 | 2,251.09 | 3 | 2,610.32 | 3 | 2,969.56 | 3 | 3,328.79 |
| 1/4 | 105.29 | 1/4 | 462.41 | 1/4 | 821.64 | 1/4 | 1,180.88 | 1/4 | 1,540.11 | 1/4 | 1,899.34 | 1/4 | 2,258.58 | 1/4 | 2,617.81 | 1/4 | 2,977.04 | 1/4 | 3,336.27 |
| 1/2 | 112.12 | 1/2 | 469.90 | 1/2 | 829.13 | 1/2 | 1,188.36 | 1/2 | 1,547.59 | 1/2 | 1,906.83 | 1/2 | 2,266.06 | 1/2 | 2,625.29 | 1/2 | 2,984.53 | 1/2 | 3,343.76 |
| 3/4 | 120.16 | 3/4 | 477.38 | 3/4 | 836.61 | 3/4 | 1,195.85 | 3/4 | 1,555.08 | 3/4 | 1,914.31 | 3/4 | 2,273.54 | 3/4 | 2,632.78 | 3/4 | 2,992.01 | 3/4 | 3,351.24 |
| 4 | 127.59 | 4 | 484.86 | 4 | 844.10 | 4 | 1,203.33 | 4 | 1,562.56 | 4 | 1,921.80 | 4 | 2,281.03 | 4 | 2,640.26 | 4 | 2,999.49 | 4 | 3,358.73 |
| 1/4 | 135.03 | 1/4 | 492.35 | 1/4 | 851.58 | 1/4 | 1,210.81 | 1/4 | 1,570.05 | 1/4 | 1,929.28 | 1/4 | 2,288.51 | 1/4 | 2,647.74 | 1/4 | 3,006.98 | 1/4 | 3,366.21 |
| 1/2 | 142.46 | 1/2 | 499.83 | 1/2 | 859.06 | 1/2 | 1,218.30 | 1/2 | 1,577.53 | 1/2 | 1,936.76 | 1/2 | 2,296.00 | 1/2 | 2,655.23 | 1/2 | 3,014.46 | 1/2 | 3,373.69 |
| 3/4 | 149.90 | 3/4 | 507.32 | 3/4 | 866.55 | 3/4 | 1,225.78 | 3/4 | 1,585.01 | 3/4 | 1,944.25 | 3/4 | 2,303.48 | 3/4 | 2,662.71 | 3/4 | 3,021.95 | 3/4 | 3,381.18 |
| 5 | 157.33 | 5 | 514.80 | 5 | 874.03 | 5 | 1,233.27 | 5 | 1,592.50 | 5 | 1,951.73 | 5 | 2,310.96 | 5 | 2,670.20 | 5 | 3,029.43 | 5 | 3,388.66 |
| 1/4 | 164.77 | 1/4 | 522.28 | 1/4 | 881.52 | 1/4 | 1,240.75 | 1/4 | 1,599.98 | 1/4 | 1,959.22 | 1/4 | 2,318.45 | 1/4 | 2,677.68 | 1/4 | 3,036.91 | 1/4 | 3,396.15 |
| 1/2 | 172.20 | 1/2 | 529.77 | 1/2 | 889.00 | 1/2 | 1,248.23 | 1/2 | 1,607.47 | 1/2 | 1,966.70 | 1/2 | 2,325.93 | 1/2 | 2,685.17 | 1/2 | 3,044.40 | 1/2 | 3,403.63 |
| 3/4 | 179.64 | 3/4 | 537.25 | 3/4 | 896.48 | 3/4 | 1,255.72 | 3/4 | 1,614.95 | 3/4 | 1,974.18 | 3/4 | 2,333.42 | 3/4 | 2,692.65 | 3/4 | 3,051.88 | 3/4 | 3,411.11 |
| 6 | 187.07 | 6 | 544.74 | 6 | 903.37 | 6 | 1,263.20 | 6 | 1,622.43 | 6 | 1,981.67 | 6 | 2,340.90 | 6 | 2,700.13 | 6 | 3,059.37 | 6 | 3,418.60 |
| 1/4 | 194.51 | 1/4 | 552.22 | 1/4 | 911.45 | 1/4 | 1,270.69 | 1/4 | 1,629.92 | 1/4 | 1,989.15 | 1/4 | 2,348.38 | 1/4 | 2,707.62 | 1/4 | 3,066.85 | 1/4 | 3,426.08 |
| 1/2 | 201.94 | 1/2 | 559.70 | 1/2 | 918.94 | 1/2 | 1,278.17 | 1/2 | 1,637.40 | 1/2 | 1,996.64 | 1/2 | 2,355.87 | 1/2 | 2,715.10 | 1/2 | 3,074.33 | 1/2 | 3,433.57 |
| 3/4 | 209.38 | 3/4 | 567.19 | 3/4 | 926.42 | 3/4 | 1,285.65 | 3/4 | 1,644.89 | 3/4 | 2,004.12 | 3/4 | 2,363.35 | 3/4 | 2,722.59 | 3/4 | 3,081.82 | 3/4 | 3,441.05 |
| 7 | 216.81 | 7 | 574.67 | 7 | 933.90 | 7 | 1,293.14 | 7 | 1,652.37 | 7 | 2,011.60 | 7 | 2,370.84 | 7 | 2,730.07 | 7 | 3,089.30 | 7 | 3,448.54 |
| 1/4 | 224.25 | 1/4 | 582.16 | 1/4 | 941.39 | 1/4 | 1,300.62 | 1/4 | 1,659.85 | 1/4 | 2,019.09 | 1/4 | 2,378.32 | 1/4 | 2,737.55 | 1/4 | 3,096.79 | 1/4 | 3,456.02 |
| 1/2 | 231.68 | 1/2 | 589.64 | 1/2 | 948.87 | 1/2 | 1,308.11 | 1/2 | 1,667.34 | 1/2 | 2,026.57 | 1/2 | 2,385.80 | 1/2 | 2,745.04 | 1/2 | 3,104.27 | 1/2 | 3,463.50 |
| 3/4 | 239.12 | 3/4 | 597.12 | 3/4 | 956.36 | 3/4 | 1,315.59 | 3/4 | 1,674.82 | 3/4 | 2,034.06 | 3/4 | 2,393.29 | 3/4 | 2,752.52 | 3/4 | 3,111.75 | 3/4 | 3,470.99 |
| 8 | 246.55 | 8 | 604.61 | 8 | 963.84 | 8 | 1,323.07 | 8 | 1,682.31 | 8 | 2,041.54 | 8 | 2,400.77 | 8 | 2,760.01 | 8 | 3,119.24 | 8 | 3,478.47 |
| 1/4 | 253.99 | 1/4 | 612.09 | 1/4 | 971.32 | 1/4 | 1,330.56 | 1/4 | 1,689.79 | 1/4 | 2,049.02 | 1/4 | 2,408.26 | 1/4 | 2,767.49 | 1/4 | 3,126.72 | 1/4 | 3,485.96 |
| 1/2 | 261.42 | 1/2 | 619.58 | 1/2 | 978.81 | 1/2 | 1,338.04 | 1/2 | 1,697.27 | 1/2 | 2,056.51 | 1/2 | 2,415.74 | 1/2 | 2,774.97 | 1/2 | 3,134.21 | 1/2 | 3,493.44 |
| 3/4 | 268.86 | 3/4 | 627.06 | 3/4 | 986.29 | 3/4 | 1,345.53 | 3/4 | 1,704.76 | 3/4 | 2,063.99 | 3/4 | 2,423.22 | 3/4 | 2,782.46 | 3/4 | 3,141.69 | 3/4 | 3,500.92 |
| 9 | 276.29 | 9 | 634.54 | 9 | 993.78 | 9 | 1,353.01 | 9 | 1,712.24 | 9 | 2,071.48 | 9 | 2,430.71 | 9 | 2,789.94 | 9 | 3,149.17 | 9 | 3,508.41 |
| 1/4 | 283.73 | 1/4 | 642.03 | 1/4 | 1,001.26 | 1/4 | 1,360.49 | 1/4 | 1,719.73 | 1/4 | 2,078.96 | 1/4 | 2,438.19 | 1/4 | 2,797.43 | 1/4 | 3,156.66 | 1/4 | 3,515.89 |
| 1/2 | 291.16 | 1/2 | 649.51 | 1/2 | 1,008.74 | 1/2 | 1,367.98 | 1/2 | 1,727.21 | 1/2 | 2,086.44 | 1/2 | 2,445.68 | 1/2 | 2,804.91 | 1/2 | 3,164.14 | 1/2 | 3,523.38 |
| 3/4 | 298.60 | 3/4 | 657.00 | 3/4 | 1,016.23 | 3/4 | 1,375.46 | 3/4 | 1,734.69 | 3/4 | 2,093.93 | 3/4 | 2,453.16 | 3/4 | 2,812.39 | 3/4 | 3,171.63 | 3/4 | 3,530.86 |
| 10 | 306.03 | 10 | 664.48 | 10 | 1,023.71 | 10 | 1,382.95 | 10 | 1,742.18 | 10 | 2,101.41 | 10 | 2,460.54 | 10 | 2,819.88 | 10 | 3,179.11 | 10 | 3,538.34 |
| 1/4 | 313.47 | 1/4 | 671.96 | 1/4 | 1,031.20 | 1/4 | 1,390.43 | 1/4 | 1,749.66 | 1/4 | 2,108.90 | 1/4 | 2,468.13 | 1/4 | 2,827.36 | 1/4 | 3,186.59 | 1/4 | 3,545.83 |
| 1/2 | 320.90 | 1/2 | 679.45 | 1/2 | 1,038.68 | 1/2 | 1,397.91 | 1/2 | 1,757.15 | 1/2 | 2,116.38 | 1/2 | 2,475.61 | 1/2 | 2,834.85 | 1/2 | 3,194.08 | 1/2 | 3,553.31 |
| 3/4 | 328.34 | 3/4 | 686.93 | 3/4 | 1,046.16 | 3/4 | 1,405.40 | 3/4 | 1,764.63 | 3/4 | 2,123.86 | 3/4 | 2,483.10 | 3/4 | 2,842.33 | 3/4 | 3,201.56 | 3/4 | 3,560.80 |
| 11 | 335.77 | 11 | 694.42 | 11 | 1,053.65 | 11 | 1,412.88 | 11 | 1,772.11 | 11 | 2,131.35 | 11 | 2,490.58 | 11 | 2,849.81 | 11 | 3,209.05 | 11 | 3,568.28 |
| 1/4 | 343.21 | 1/4 | 701.90 | 1/4 | 1,061.13 | 1/4 | 1,420.37 | 1/4 | 1,779.60 | 1/4 | 2,138.83 | 1/4 | 2,498.06 | 1/4 | 2,857.30 | 1/4 | 3,216.53 | 1/4 | 3,575.76 |
| 1/2 | 350.64 | 1/2 | 709.38 | 1/2 | 1,068.62 | 1/2 | 1,427.85 | 1/2 | 1,787.08 | 1/2 | 2,146.32 | 1/2 | 2,505.55 | 1/2 | 2,864.78 | 1/2 | 3,224.01 | 1/2 | 3,583.25 |
| 3/4 | 358.08 | 3/4 | 716.87 | 3/4 | 1,076.10 | 3/4 | 1,435.33 | 3/4 | 1,794.57 | 3/4 | 2,153.80 | 3/4 | 2,513.03 | 3/4 | 2,872.27 | 3/4 | 3,231.50 | 3/4 | 3,590.73 |

| 10 FT. | | 11 FT. | | 12 FT. | | 13 FT. | | 14 FT. | | 15 FT. | | 16 FT. | | 17 FT. | | 18 FT. | | 19 FT. | |
|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|---|--------|---|--------|---|--------|---|--------|---|
| N | W | N | W | N | W | N | W | N | W | N | W | N | W | N | W | N | W | N | W |
| 0 | 3,598.22 | 0 | 3,957.45 | 0 | 4,316.68 | 0 | 4,675.91 | 0 | 5,032.73 | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 3,605.70 | 1/4 | 3,964.93 | 1/4 | 4,324.17 | 1/4 | 4,683.40 | 1/4 | 5,040.16 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,613.18 | 1/2 | 3,972.42 | 1/2 | 4,331.65 | 1/2 | 4,690.88 | 1/2 | 5,047.59 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,620.67 | 3/4 | 3,979.90 | 3/4 | 4,339.13 | 3/4 | 4,698.37 | 3/4 | 5,054.46 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 3,628.15 | 1 | 3,987.38 | 1 | 4,346.62 | 1 | 4,705.85 | 1 | 5,061.34 | 1 | | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 3,635.64 | 1/4 | 3,994.87 | 1/4 | 4,354.10 | 1/4 | 4,713.28 | 1/4 | 5,068.21 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,643.12 | 1/2 | 4,002.35 | 1/2 | 4,361.59 | 1/2 | 4,720.71 | 1/2 | 5,075.09 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,650.60 | 3/4 | 4,009.84 | 3/4 | 4,369.07 | 3/4 | 4,728.14 | 3/4 | 5,080.90 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 3,658.09 | 2 | 4,017.32 | 2 | 4,376.55 | 2 | 4,735.57 | 2 | 5,086.72 | 2 | | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 3,665.57 | 1/4 | 4,024.80 | 1/4 | 4,384.04 | 1/4 | 4,743.00 | 1/4 | 5,092.54 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,673.06 | 1/2 | 4,032.29 | 1/2 | 4,391.52 | 1/2 | 4,750.42 | 1/2 | 5,098.35 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,680.54 | 3/4 | 4,039.77 | 3/4 | 4,399.01 | 3/4 | 4,757.85 | 3/4 | 5,103.06 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 3,688.02 | 3 | 4,047.26 | 3 | 4,406.49 | 3 | 4,765.28 | 3 | 5,107.77 | 3 | | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 3,695.51 | 1/4 | 4,054.74 | 1/4 | 4,413.97 | 1/4 | 4,772.71 | 1/4 | 5,112.48 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,702.99 | 1/2 | 4,062.22 | 1/2 | 4,421.46 | 1/2 | 4,780.14 | 1/2 | 5,117.19 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,710.48 | 3/4 | 4,069.71 | 3/4 | 4,428.94 | 3/4 | 4,787.57 | 3/4 | 5,120.79 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 3,717.96 | 4 | 4,077.19 | 4 | 4,436.43 | 4 | 4,795.00 | 4 | 5,124.39 | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 3,725.44 | 1/4 | 4,084.68 | 1/4 | 4,443.91 | 1/4 | 4,802.43 | 1/4 | 5,127.99 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,732.93 | 1/2 | 4,092.16 | 1/2 | 4,451.39 | 1/2 | 4,809.86 | 1/2 | 5,131.59 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,740.41 | 3/4 | 4,099.64 | 3/4 | 4,458.88 | 3/4 | 4,817.29 | 3/4 | 5,134.08 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 3,747.90 | 5 | 4,107.13 | 5 | 4,466.36 | 5 | 4,824.71 | 5 | 5,136.57 | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 3,755.38 | 1/4 | 4,114.61 | 1/4 | 4,473.85 | 1/4 | 4,832.14 | 1/4 | 5,139.06 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,762.86 | 1/2 | 4,122.10 | 1/2 | 4,481.33 | 1/2 | 4,839.57 | 1/2 | 5,141.55 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,770.35 | 3/4 | 4,129.58 | 3/4 | 4,488.81 | 3/4 | 4,847.00 | 3/4 | 5,142.93 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 3,777.83 | 6 | 4,137.06 | 6 | 4,496.30 | 6 | 4,854.43 | 6 | 5,144.31 | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 3,785.32 | 1/4 | 4,144.55 | 1/4 | 4,503.78 | 1/4 | 4,861.86 | 1/4 | 5,145.70 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,792.80 | 1/2 | 4,152.03 | 1/2 | 4,511.27 | 1/2 | 4,869.29 | 1/2 | 5,147.08 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,800.28 | 3/4 | 4,159.52 | 3/4 | 4,518.75 | 3/4 | 4,876.72 | 3/4 | 5,147.49 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 3,807.77 | 7 | 4,167.00 | 7 | 4,526.23 | 7 | 4,884.15 | 7 | 5,147.90 | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 3,815.25 | 1/4 | 4,174.49 | 1/4 | 4,533.72 | 1/4 | 4,891.58 | 1/4 | 5,148.31 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,822.74 | 1/2 | 4,181.97 | 1/2 | 4,541.20 | 1/2 | 4,899.00 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,830.22 | 3/4 | 4,189.45 | 3/4 | 4,548.69 | 3/4 | 4,906.43 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 3,837.70 | 8 | 4,196.94 | 8 | 4,556.17 | 8 | 4,913.86 | 8 | | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 3,845.19 | 1/4 | 4,204.42 | 1/4 | 4,563.65 | 1/4 | 4,921.29 | 1/4 | 4,921.29 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,852.67 | 1/2 | 4,211.91 | 1/2 | 4,571.14 | 1/2 | 4,928.72 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,860.16 | 3/4 | 4,219.39 | 3/4 | 4,578.62 | 3/4 | 4,936.15 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 3,867.64 | 9 | 4,226.87 | 9 | 4,586.11 | 9 | 4,943.58 | 9 | | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 3,875.12 | 1/4 | 4,234.36 | 1/4 | 4,593.59 | 1/4 | 4,951.01 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,882.61 | 1/2 | 4,241.84 | 1/2 | 4,601.07 | 1/2 | 4,958.44 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,890.09 | 3/4 | 4,249.33 | 3/4 | 4,608.56 | 3/4 | 4,965.87 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 3,897.58 | 10 | 4,256.81 | 10 | 4,616.04 | 10 | 4,973.30 | 10 | | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 3,905.06 | 1/4 | 4,264.29 | 1/4 | 4,623.53 | 1/4 | 4,980.72 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,912.54 | 1/2 | 4,271.78 | 1/2 | 4,631.01 | 1/2 | 4,988.15 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,920.03 | 3/4 | 4,279.26 | 3/4 | 4,638.49 | 3/4 | 4,995.58 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 3,927.51 | 11 | 4,286.75 | 11 | 4,645.98 | 11 | 5,003.01 | 11 | | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 3,935.00 | 1/4 | 4,294.23 | 1/4 | 4,653.46 | 1/4 | 5,010.44 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,942.48 | 1/2 | 4,301.71 | 1/2 | 4,660.95 | 1/2 | 5,017.87 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,949.96 | 3/4 | 4,309.20 | 3/4 | 4,668.43 | 3/4 | 5,025.30 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |



BARGE "HFL-417"
HINES FURLONG LINE

3 PORT

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 2200-1

INNAGE TABLE

| 0 FT. | | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | | 7 FT. | | 8 FT. | | 9 FT. | |
|-------|--------|-------|--------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| N | I | N | I | N | I | N | I | N | I | N | I | N | I | N | I | N | I | N | I |
| 0 | 15.73 | 0 | 357.32 | 0 | 715.11 | 0 | 1,075.24 | 0 | 1,431.36 | 0 | 1,789.49 | 0 | 2,147.61 | 0 | 2,505.74 | 0 | 2,863.87 | 0 | 3,221.99 |
| 1/4 | 20.40 | 1/4 | 364.74 | 1/4 | 722.57 | 1/4 | 1,080.70 | 1/4 | 1,438.82 | 1/4 | 1,796.95 | 1/4 | 2,155.08 | 1/4 | 2,513.20 | 1/4 | 2,871.33 | 1/4 | 3,229.45 |
| 1/2 | 25.07 | 1/2 | 372.19 | 1/2 | 730.03 | 1/2 | 1,088.16 | 1/2 | 1,446.28 | 1/2 | 1,804.41 | 1/2 | 2,162.54 | 1/2 | 2,520.66 | 1/2 | 2,878.79 | 1/2 | 3,236.91 |
| 3/4 | 29.74 | 3/4 | 379.58 | 3/4 | 737.49 | 3/4 | 1,095.62 | 3/4 | 1,453.74 | 3/4 | 1,811.87 | 3/4 | 2,169.99 | 3/4 | 2,528.12 | 3/4 | 2,886.25 | 3/4 | 3,244.38 |
| 1 | 34.41 | 1 | 387.00 | 1 | 744.95 | 1 | 1,103.08 | 1 | 1,461.21 | 1 | 1,819.33 | 1 | 2,177.46 | 1 | 2,535.58 | 1 | 2,893.71 | 1 | 3,251.84 |
| 1/4 | 40.95 | 1/4 | 394.41 | 1/4 | 752.41 | 1/4 | 1,110.54 | 1/4 | 1,468.67 | 1/4 | 1,826.79 | 1/4 | 2,184.92 | 1/4 | 2,543.05 | 1/4 | 2,901.17 | 1/4 | 3,259.30 |
| 1/2 | 47.49 | 1/2 | 401.83 | 1/2 | 759.88 | 1/2 | 1,118.00 | 1/2 | 1,476.13 | 1/2 | 1,834.25 | 1/2 | 2,192.38 | 1/2 | 2,550.51 | 1/2 | 2,908.63 | 1/2 | 3,266.76 |
| 3/4 | 54.02 | 3/4 | 409.25 | 3/4 | 767.34 | 3/4 | 1,125.46 | 3/4 | 1,483.59 | 3/4 | 1,841.71 | 3/4 | 2,199.84 | 3/4 | 2,557.97 | 3/4 | 2,916.09 | 3/4 | 3,274.22 |
| 1 | 60.56 | 2 | 416.87 | 2 | 774.80 | 2 | 1,132.92 | 2 | 1,491.05 | 2 | 1,849.18 | 2 | 2,207.30 | 2 | 2,565.43 | 2 | 2,923.55 | 2 | 3,281.68 |
| 1/4 | 67.98 | 1/4 | 424.13 | 1/4 | 782.26 | 1/4 | 1,140.38 | 1/4 | 1,498.51 | 1/4 | 1,856.64 | 1/4 | 2,214.76 | 1/4 | 2,572.89 | 1/4 | 2,931.02 | 1/4 | 3,289.83 |
| 1/2 | 75.40 | 1/2 | 431.59 | 1/2 | 789.72 | 1/2 | 1,147.85 | 1/2 | 1,505.97 | 1/2 | 1,864.10 | 1/2 | 2,222.22 | 1/2 | 2,580.35 | 1/2 | 2,938.48 | 1/2 | 3,296.60 |
| 3/4 | 82.82 | 3/4 | 439.05 | 3/4 | 797.18 | 3/4 | 1,155.31 | 3/4 | 1,513.43 | 3/4 | 1,871.56 | 3/4 | 2,228.68 | 3/4 | 2,587.81 | 3/4 | 2,945.94 | 3/4 | 3,304.06 |
| 1 | 90.24 | 3 | 446.51 | 3 | 804.64 | 3 | 1,162.77 | 3 | 1,520.89 | 3 | 1,879.02 | 3 | 2,237.15 | 3 | 2,595.27 | 3 | 2,953.40 | 3 | 3,311.52 |
| 1/4 | 97.65 | 1/4 | 453.98 | 1/4 | 812.10 | 1/4 | 1,170.23 | 1/4 | 1,528.35 | 1/4 | 1,886.48 | 1/4 | 2,244.61 | 1/4 | 2,602.73 | 1/4 | 2,960.86 | 1/4 | 3,318.99 |
| 1/2 | 105.07 | 1/2 | 461.44 | 1/2 | 819.56 | 1/2 | 1,177.69 | 1/2 | 1,535.82 | 1/2 | 1,893.94 | 1/2 | 2,252.07 | 1/2 | 2,610.19 | 1/2 | 2,968.32 | 1/2 | 3,326.45 |
| 3/4 | 112.49 | 3/4 | 468.90 | 3/4 | 827.02 | 3/4 | 1,185.15 | 3/4 | 1,543.28 | 3/4 | 1,901.40 | 3/4 | 2,259.53 | 3/4 | 2,617.65 | 3/4 | 2,975.78 | 3/4 | 3,333.91 |
| 1 | 119.91 | 4 | 476.36 | 4 | 834.48 | 4 | 1,192.61 | 4 | 1,550.74 | 4 | 1,908.86 | 4 | 2,266.99 | 4 | 2,625.12 | 4 | 2,983.24 | 4 | 3,341.37 |
| 1/4 | 127.33 | 1/4 | 483.82 | 1/4 | 841.95 | 1/4 | 1,200.07 | 1/4 | 1,558.20 | 1/4 | 1,916.32 | 1/4 | 2,274.45 | 1/4 | 2,632.58 | 1/4 | 2,990.70 | 1/4 | 3,348.83 |
| 1/2 | 134.75 | 1/2 | 491.28 | 1/2 | 849.41 | 1/2 | 1,207.53 | 1/2 | 1,565.66 | 1/2 | 1,923.79 | 1/2 | 2,281.91 | 1/2 | 2,640.04 | 1/2 | 2,998.16 | 1/2 | 3,356.29 |
| 3/4 | 142.17 | 3/4 | 498.74 | 3/4 | 856.87 | 3/4 | 1,214.99 | 3/4 | 1,573.12 | 3/4 | 1,931.25 | 3/4 | 2,289.37 | 3/4 | 2,647.50 | 3/4 | 3,005.63 | 3/4 | 3,363.75 |
| 1 | 149.59 | 5 | 506.20 | 5 | 864.33 | 5 | 1,222.45 | 5 | 1,580.58 | 5 | 1,938.71 | 5 | 2,296.93 | 5 | 2,654.96 | 5 | 3,013.09 | 5 | 3,371.21 |
| 1/4 | 157.01 | 1/4 | 513.66 | 1/4 | 871.79 | 1/4 | 1,229.92 | 1/4 | 1,588.04 | 1/4 | 1,946.17 | 1/4 | 2,304.29 | 1/4 | 2,662.42 | 1/4 | 3,020.55 | 1/4 | 3,378.67 |
| 1/2 | 164.43 | 1/2 | 521.12 | 1/2 | 879.25 | 1/2 | 1,237.38 | 1/2 | 1,595.50 | 1/2 | 1,953.63 | 1/2 | 2,311.76 | 1/2 | 2,669.88 | 1/2 | 3,028.01 | 1/2 | 3,386.13 |
| 3/4 | 171.84 | 3/4 | 528.59 | 3/4 | 886.17 | 3/4 | 1,244.84 | 3/4 | 1,602.96 | 3/4 | 1,961.09 | 3/4 | 2,319.22 | 3/4 | 2,677.34 | 3/4 | 3,035.47 | 3/4 | 3,393.60 |
| 1 | 179.26 | 6 | 536.05 | 6 | 894.17 | 6 | 1,252.30 | 6 | 1,610.43 | 6 | 1,968.55 | 6 | 2,326.68 | 6 | 2,684.80 | 6 | 3,042.93 | 6 | 3,401.06 |
| 1/4 | 186.68 | 1/4 | 543.51 | 1/4 | 901.63 | 1/4 | 1,259.76 | 1/4 | 1,617.89 | 1/4 | 1,976.01 | 1/4 | 2,334.14 | 1/4 | 2,692.26 | 1/4 | 3,050.39 | 1/4 | 3,408.52 |
| 1/2 | 194.10 | 1/2 | 550.97 | 1/2 | 909.09 | 1/2 | 1,267.22 | 1/2 | 1,625.35 | 1/2 | 1,983.47 | 1/2 | 2,341.60 | 1/2 | 2,699.73 | 1/2 | 3,057.85 | 1/2 | 3,415.65 |
| 3/4 | 201.52 | 3/4 | 558.43 | 3/4 | 916.56 | 3/4 | 1,274.68 | 3/4 | 1,632.81 | 3/4 | 1,990.93 | 3/4 | 2,349.06 | 3/4 | 2,707.19 | 3/4 | 3,065.31 | 3/4 | 3,422.77 |
| 1 | 208.94 | 7 | 565.89 | 7 | 924.02 | 7 | 1,282.14 | 7 | 1,640.27 | 7 | 1,998.40 | 7 | 2,356.52 | 7 | 2,714.65 | 7 | 3,072.77 | 7 | 3,429.90 |
| 1/4 | 216.36 | 1/4 | 573.35 | 1/4 | 931.48 | 1/4 | 1,289.60 | 1/4 | 1,647.73 | 1/4 | 2,005.86 | 1/4 | 2,363.98 | 1/4 | 2,722.11 | 1/4 | 3,080.23 | 1/4 | 3,437.03 |
| 1/2 | 223.78 | 1/2 | 580.81 | 1/2 | 938.94 | 1/2 | 1,297.06 | 1/2 | 1,655.19 | 1/2 | 2,013.32 | 1/2 | 2,371.44 | 1/2 | 2,729.57 | 1/2 | 3,087.70 | 1/2 | 3,443.48 |
| 3/4 | 231.20 | 3/4 | 588.27 | 3/4 | 946.40 | 3/4 | 1,304.53 | 3/4 | 1,662.65 | 3/4 | 2,020.78 | 3/4 | 2,379.90 | 3/4 | 2,737.03 | 3/4 | 3,095.16 | 3/4 | 3,449.92 |
| 1 | 238.62 | 8 | 595.73 | 8 | 953.86 | 8 | 1,311.99 | 8 | 1,670.11 | 8 | 2,028.24 | 8 | 2,386.37 | 8 | 2,744.49 | 8 | 3,102.62 | 8 | 3,456.37 |
| 1/4 | 246.03 | 1/4 | 603.20 | 1/4 | 961.32 | 1/4 | 1,319.45 | 1/4 | 1,677.57 | 1/4 | 2,035.70 | 1/4 | 2,393.83 | 1/4 | 2,751.95 | 1/4 | 3,110.08 | 1/4 | 3,462.81 |
| 1/2 | 253.45 | 1/2 | 610.66 | 1/2 | 968.78 | 1/2 | 1,326.91 | 1/2 | 1,685.03 | 1/2 | 2,043.16 | 1/2 | 2,401.29 | 1/2 | 2,759.41 | 1/2 | 3,117.54 | 1/2 | 3,468.57 |
| 3/4 | 260.87 | 3/4 | 618.12 | 3/4 | 976.24 | 3/4 | 1,334.37 | 3/4 | 1,692.50 | 3/4 | 2,050.62 | 3/4 | 2,408.75 | 3/4 | 2,766.87 | 3/4 | 3,125.00 | 3/4 | 3,474.33 |
| 1 | 268.29 | 9 | 625.58 | 9 | 983.70 | 9 | 1,341.93 | 9 | 1,699.96 | 9 | 2,058.08 | 9 | 2,416.21 | 9 | 2,774.34 | 9 | 3,132.46 | 9 | 3,480.10 |
| 1/4 | 275.71 | 1/4 | 633.04 | 1/4 | 991.17 | 1/4 | 1,349.29 | 1/4 | 1,707.42 | 1/4 | 2,065.54 | 1/4 | 2,423.67 | 1/4 | 2,781.80 | 1/4 | 3,139.92 | 1/4 | 3,485.86 |
| 1/2 | 283.13 | 1/2 | 640.50 | 1/2 | 998.63 | 1/2 | 1,356.75 | 1/2 | 1,714.88 | 1/2 | 2,073.00 | 1/2 | 2,431.13 | 1/2 | 2,789.26 | 1/2 | 3,147.38 | 1/2 | 3,490.93 |
| 3/4 | 290.55 | 3/4 | 647.96 | 3/4 | 1,006.09 | 3/4 | 1,364.21 | 3/4 | 1,722.34 | 3/4 | 2,080.47 | 3/4 | 2,438.59 | 3/4 | 2,796.72 | 3/4 | 3,154.84 | 3/4 | 3,495.01 |
| 1 | 297.97 | 10 | 655.42 | 10 | 1,013.55 | 10 | 1,371.67 | 10 | 1,729.80 | 10 | 2,087.93 | 10 | 2,446.05 | 10 | 2,804.18 | 10 | 3,162.31 | 10 | 3,501.09 |
| 1/4 | 305.39 | 1/4 | 662.88 | 1/4 | 1,021.01 | 1/4 | 1,379.14 | 1/4 | 1,737.26 | 1/4 | 2,095.39 | 1/4 | 2,453.51 | 1/4 | 2,811.64 | 1/4 | 3,169.77 | 1/4 | 3,506.16 |
| 1/2 | 312.81 | 1/2 | 670.34 | 1/2 | 1,028.47 | 1/2 | 1,386.60 | 1/2 | 1,744.72 | 1/2 | 2,102.85 | 1/2 | 2,460.97 | 1/2 | 2,819.10 | 1/2 | 3,177.23 | 1/2 | 3,510.56 |
| 3/4 | 320.22 | 3/4 | 677.80 | 3/4 | 1,035.93 | 3/4 | 1,394.06 | 3/4 | 1,752.18 | 3/4 | 2,110.31 | 3/4 | 2,468.44 | 3/4 | 2,826.56 | 3/4 | 3,184.69 | 3/4 | 3,514.95 |
| 1 | 327.64 | 11 | 685.27 | 11 | 1,043.39 | 11 | 1,401.52 | 11 | 1,759.64 | 11 | 2,117.77 | 11 | 2,475.90 | 11 | 2,834.02 | 11 | 3,192.15 | 11 | 3,519.34 |
| 1/4 | 335.06 | 1/4 | 692.73 | 1/4 | 1,050.85 | 1/4 | 1,408.88 | 1/4 | 1,767.11 | 1/4 | 2,125.23 | 1/4 | 2,483.36 | 1/4 | 2,841.48 | 1/4 | 3,199.61 | 1/4 | 3,523.73 |
| 1/2 | 342.48 | 1/2 | 700.19 | 1/2 | 1,058.31 | 1/2 | 1,416.44 | 1/2 | 1,774.57 | 1/2 | 2,132.69 | 1/2 | 2,490.82 | 1/2 | 2,848.94 | 1/2 | 3,207.07 | 1/2 | 3,527.44 |
| 3/4 | 349.90 | 3/4 | 707.65 | 3/4 | 1,065.77 | 3/4 | 1,423.90 | 3/4 | 1,782.03 | 3/4 | 2,140.15 | 3/4 | 2,498.28 | 3/4 | 2,856.41 | 3/4 | 3,214.53 | 3/4 | 3,531.15 |

| 10 FT. | | 11 FT. | | 12 FT. | | 13 FT. | | 14 FT. | | 15 FT. | | 16 FT. | | 17 FT. | | 18 FT. | | 19 FT. | |
|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|
| N | I | N | I | N | I | N | I | N | I | N | I | N | I | N | I | N | I | N | I |
| 0 | 3,534.86 | 0 | 3,672.94 | 0 | 3,809.36 | 0 | 3,945.77 | 0 | 4,082.19 | 0 | 4,218.60 | 0 | 4,355.02 | 0 | 4,491.43 | 0 | 4,627.85 | 0 | 4,764.26 |
| 1/4 | 3,538.56 | 1/4 | 3,675.78 | 1/4 | 3,812.20 | 1/4 | 3,948.61 | 1/4 | 4,085.03 | 1/4 | 4,221.44 | 1/4 | 4,357.86 | 1/4 | 4,494.27 | 1/4 | 4,630.69 | 1/4 | 4,767.10 |
| 1/2 | 3,541.87 | 1/2 | 3,678.62 | 1/2 | 3,815.04 | 1/2 | 3,951.46 | 1/2 | 4,087.87 | 1/2 | 4,224.28 | 1/2 | 4,360.69 | 1/2 | 4,497.10 | 1/2 | 4,633.52 | 1/2 | 4,769.93 |
| 3/4 | 3,544.78 | 3/4 | 3,681.47 | 3/4 | 3,817.88 | 3/4 | 3,954.30 | 3/4 | 4,090.50 | 3/4 | 4,227.31 | 3/4 | 4,363.72 | 3/4 | 4,500.13 | 3/4 | 4,636.54 | 3/4 | 4,772.95 |
| 1 | 3,547.99 | 1 | 3,684.31 | 1 | 3,820.72 | 1 | 3,957.14 | 1 | 4,093.13 | 1 | 4,229.14 | 1 | 4,365.55 | 1 | 4,501.96 | 1 | 4,638.38 | 1 | 4,775.79 |
| 1/4 | 3,550.73 | 1/4 | 3,687.15 | 1/4 | 3,823.57 | 1/4 | 3,959.98 | 1/4 | 4,095.76 | 1/4 | 4,231.77 | 1/4 | 4,368.18 | 1/4 | 4,504.59 | 1/4 | 4,641.00 | 1/4 | 4,778.60 |
| 1/2 | 3,553.58 | 1/2 | 3,689.99 | 1/2 | 3,826.41 | 1/2 | 3,962.82 | 1/2 | 4,098.39 | 1/2 | 4,234.78 | 1/2 | 4,371.19 | 1/2 | 4,507.60 | 1/2 | 4,644.01 | 1/2 | 4,781.61 |
| 3/4 | 3,556.42 | 3/4 | 3,692.83 | 3/4 | 3,829.25 | 3/4 | 3,965.67 | 3/4 | 4,100.60 | 3/4 | 4,237.61 | 3/4 | 4,374.02 | 3/4 | 4,509.01 | 3/4 | 4,646.83 | 3/4 | 4,784.43 |
| 2 | 3,559.26 | 2 | 3,695.68 | 2 | 3,832.09 | 2 | 3,968.51 | 2 | 4,102.81 | 2 | 4,240.42 | 2 | 4,376.83 | 2 | 4,512.24 | 2 | 4,649.66 | 2 | 4,787.25 |
| 1/4 | 3,562.10 | 1/4 | 3,698.52 | 1/4 | 3,834.93 | 1/4 | 3,971.35 | 1/4 | 4,105.02 | 1/4 | 4,243.63 | 1/4 | 4,379.04 | 1/4 | 4,515.46 | 1/4 | 4,652.28 | 1/4 | 4,790.06 |
| 1/2 | 3,564.94 | 1/2 | 3,701.36 | 1/2 | 3,837.78 | 1/2 | 3,974.19 | 1/2 | 4,107.22 | 1/2 | 4,246.44 | 1/2 | 4,381.86 | 1/2 | 4,518.28 | 1/2 | 4,655.10 | 1/2 | 4,792.88 |
| 3/4 | 3,567.79 | 3/4 | 3,704.20 | 3/4 | 3,840.62 | 3/4 | 3,977.03 | 3/4 | 4,109.01 | 3/4 | 4,249.25 | 3/4 | 4,384.67 | 3/4 | 4,521.09 | 3/4 | 4,657.92 | 3/4 | 4,795.70 |
| 3 | 3,570.63 | 3 | 3,707.04 | 3 | 3,843.46 | 3 | 3,979.88 | 3 | 4,110.79 | 3 | 4,252.00 | 3 | 4,387.48 | 3 | 4,523.91 | 3 | 4,660.74 | 3 | 4,798.52 |
| 1/4 | 3,573.47 | 1/4 | 3,709.89 | 1/4 | 3,846.30 | 1/4 | 3,982.72 | 1/4 | 4,112.58 | 1/4 | 4,254.81 | 1/4 | 4,390.29 | 1/4 | 4,526.72 | 1/4 | 4,663.56 | 1/4 | 4,801.34 |
| 1/2 | 3,576.31 | 1/2 | 3,712.73 | 1/2 | 3,849.14 | 1/2 | 3,985.56 | 1/2 | 4,114.36 | 1/2 | 4,257.62 | 1/2 | 4,393.10 | 1/2 | 4,529.53 | 1/2 | 4,666.38 | 1/2 | 4,804.16 |
| 3/4 | 3,579.15 | 3/4 | 3,715.57 | 3/4 | 3,851.99 | 3/4 | 3,988.40 | 3/4 | 4,116.17 | 3/4 | 4,260.43 | 3/4 | 4,395.91 | 3/4 | 4,532.34 | 3/4 | 4,669.20 | 3/4 | 4,806.98 |
| 4 | 3,582.00 | 4 | 3,718.41 | 4 | 3,854.83 | 4 | 3,991.24 | 4 | 4,117.09 | 4 | 4,263.24 | 4 | 4,398.72 | 4 | 4,535.15 | 4 | 4,672.02 | 4 | 4,809.80 |
| 1/4 | 3,584.84 | 1/4 | 3,721.25 | 1/4 | 3,857.67 | 1/4 | 3,994.09 | 1/4 | 4,118.45 | 1/4 | 4,266.05 | 1/4 | 4,401.54 | 1/4 | 4,537.96 | 1/4 | 4,674.84 | 1/4 | 4,812.62 |
| 1/2 | 3,587.68 | 1/2 | 3,724.10 | 1/2 | 3,860.50 | 1/2 | 3,996.93 | 1/2 | 4,119.81 | 1/2 | 4,268.86 | 1/2 | 4,404.36 | 1/2 | 4,540.78 | 1/2 | 4,677.66 | 1/2 | 4,815.44 |
| 3/4 | 3,590.52 | 3/4 | 3,726.94 | 3/4 | 3,863.35 | 3/4 | 3,999.77 | 3/4 | 4,120.75 | 3/4 | 4,271.67 | 3/4 | 4,407.17 | 3/4 | 4,543.59 | 3/4 | 4,680.48 | 3/4 | 4,818.26 |
| 5 | 3,593.36 | 5 | 3,729.78 | 5 | 3,866.20 | 5 | 4,002.61 | 5 | 4,121.69 | 5 | 4,274.48 | 5 | 4,409.88 | 5 | 4,547.29 | 5 | 4,684.68 | 5 | 4,821.08 |
| 1/4 | 3,596.21 | 1/4 | 3,732.62 | 1/4 | 3,869.04 | 1/4 | 4,005.45 | 1/4 | 4,122.63 | 1/4 | 4,277.29 | 1/4 | 4,412.68 | 1/4 | 4,550.09 | 1/4 | 4,687.48 | 1/4 | 4,823.89 |
| 1/2 | 3,599.05 | 1/2 | 3,735.46 | 1/2 | 3,871.88 | 1/2 | 4,008.30 | 1/2 | 4,123.57 | 1/2 | 4,280.10 | 1/2 | 4,415.56 | 1/2 | 4,552.91 | 1/2 | 4,690.30 | 1/2 | 4,826.71 |
| 3/4 | 3,601.89 | 3/4 | 3,738.31 | 3/4 | 3,874.72 | 3/4 | 4,011.14 | 3/4 | 4,124.09 | 3/4 | 4,282.91 | 3/4 | 4,418.45 | 3/4 | 4,555.72 | 3/4 | 4,693.12 | 3/4 | 4,829.53 |
| 6 | 3,604.73 | 6 | 3,741.15 | 6 | 3,877.56 | 6 | 4,013.98 | 6 | 4,124.61 | 6 | 4,285.82 | 6 | 4,421.29 | 6 | 4,558.53 | 6 | 4,695.92 | 6 | 4,832.34 |
| 1/4 | 3,607.57 | 1/4 | 3,743.99 | 1/4 | 3,880.41 | 1/4 | 4,016.82 | 1/4 | 4,125.12 | 1/4 | 4,288.63 | 1/4 | 4,424.16 | 1/4 | 4,561.34 | 1/4 | 4,698.74 | 1/4 | 4,835.16 |
| 1/2 | 3,610.42 | 1/2 | 3,746.83 | 1/2 | 3,883.25 | 1/2 | 4,019.66 | 1/2 | 4,125.64 | 1/2 | 4,291.44 | 1/2 | 4,426.97 | 1/2 | 4,564.16 | 1/2 | 4,701.56 | 1/2 | 4,837.98 |
| 3/4 | 3,613.26 | 3/4 | 3,749.67 | 3/4 | 3,886.09 | 3/4 | 4,022.51 | 3/4 | 4,125.79 | 3/4 | 4,294.25 | 3/4 | 4,429.80 | 3/4 | 4,566.98 | 3/4 | 4,704.38 | 3/4 | 4,840.80 |
| 7 | 3,616.10 | 7 | 3,752.52 | 7 | 3,888.93 | 7 | 4,025.35 | 7 | 4,125.93 | 7 | 4,297.01 | 7 | 4,432.61 | 7 | 4,569.79 | 7 | 4,707.18 | 7 | 4,843.60 |
| 1/4 | 3,618.94 | 1/4 | 3,755.36 | 1/4 | 3,891.77 | 1/4 | 4,028.19 | 1/4 | 4,125.08 | 1/4 | 4,299.84 | 1/4 | 4,435.53 | 1/4 | 4,572.71 | 1/4 | 4,709.99 | 1/4 | 4,846.42 |
| 1/2 | 3,621.78 | 1/2 | 3,758.20 | 1/2 | 3,894.62 | 1/2 | 4,031.03 | 1/2 | 4,126.96 | 1/2 | 4,302.72 | 1/2 | 4,438.42 | 1/2 | 4,575.60 | 1/2 | 4,712.98 | 1/2 | 4,849.24 |
| 3/4 | 3,624.63 | 3/4 | 3,761.04 | 3/4 | 3,897.46 | 3/4 | 4,033.87 | 3/4 | 4,127.87 | 3/4 | 4,305.60 | 3/4 | 4,441.31 | 3/4 | 4,578.49 | 3/4 | 4,715.86 | 3/4 | 4,852.06 |
| 8 | 3,627.47 | 8 | 3,763.88 | 8 | 3,900.30 | 8 | 4,036.72 | 8 | 4,128.61 | 8 | 4,308.49 | 8 | 4,444.20 | 8 | 4,581.38 | 8 | 4,718.76 | 8 | 4,854.88 |
| 1/4 | 3,630.31 | 1/4 | 3,766.73 | 1/4 | 3,903.14 | 1/4 | 4,039.56 | 1/4 | 4,129.51 | 1/4 | 4,311.29 | 1/4 | 4,447.18 | 1/4 | 4,584.56 | 1/4 | 4,721.94 | 1/4 | 4,857.70 |
| 1/2 | 3,633.15 | 1/2 | 3,769.57 | 1/2 | 3,905.98 | 1/2 | 4,042.40 | 1/2 | 4,130.42 | 1/2 | 4,314.10 | 1/2 | 4,450.07 | 1/2 | 4,587.45 | 1/2 | 4,724.82 | 1/2 | 4,860.52 |
| 3/4 | 3,635.99 | 3/4 | 3,772.41 | 3/4 | 3,908.83 | 3/4 | 4,045.24 | 3/4 | 4,131.33 | 3/4 | 4,316.93 | 3/4 | 4,452.96 | 3/4 | 4,590.34 | 3/4 | 4,727.70 | 3/4 | 4,863.36 |
| 9 | 3,638.84 | 9 | 3,775.25 | 9 | 3,911.67 | 9 | 4,048.08 | 9 | 4,132.22 | 9 | 4,319.16 | 9 | 4,455.89 | 9 | 4,593.27 | 9 | 4,730.64 | 9 | 4,866.18 |
| 1/4 | 3,641.68 | 1/4 | 3,778.09 | 1/4 | 3,914.51 | 1/4 | 4,050.93 | 1/4 | 4,133.11 | 1/4 | 4,321.97 | 1/4 | 4,458.88 | 1/4 | 4,596.26 | 1/4 | 4,733.62 | 1/4 | 4,868.99 |
| 1/2 | 3,644.52 | 1/2 | 3,780.94 | 1/2 | 3,917.35 | 1/2 | 4,053.77 | 1/2 | 4,134.00 | 1/2 | 4,324.80 | 1/2 | 4,461.79 | 1/2 | 4,599.17 | 1/2 | 4,736.54 | 1/2 | 4,871.81 |
| 3/4 | 3,647.36 | 3/4 | 3,783.78 | 3/4 | 3,920.19 | 3/4 | 4,056.61 | 3/4 | 4,134.91 | 3/4 | 4,327.71 | 3/4 | 4,464.70 | 3/4 | 4,602.08 | 3/4 | 4,739.46 | 3/4 | 4,874.65 |
| 10 | 3,650.20 | 10 | 3,786.62 | 10 | 3,923.04 | 10 | 4,059.45 | 10 | 4,135.82 | 10 | 4,329.64 | 10 | 4,467.63 | 10 | 4,604.91 | 10 | 4,742.27 | 10 | 4,877.50 |
| 1/4 | 3,653.05 | 1/4 | 3,789.46 | 1/4 | 3,925.88 | 1/4 | 4,062.29 | 1/4 | 4,136.73 | 1/4 | 4,332.57 | 1/4 | 4,470.56 | 1/4 | 4,607.84 | 1/4 | 4,745.19 | 1/4 | 4,880.34 |
| 1/2 | 3,655.89 | 1/2 | 3,792.30 | 1/2 | 3,928.72 | 1/2 | 4,065.14 | 1/2 | 4,137.64 | 1/2 | 4,335.48 | 1/2 | 4,473.48 | 1/2 | 4,610.76 | 1/2 | 4,748.11 | 1/2 | 4,883.18 |
| 3/4 | 3,658.73 | 3/4 | 3,795.15 | 3/4 | 3,931.56 | 3/4 | 4,067.98 | 3/4 | 4,138.75 | 3/4 | 4,338.39 | 3/4 | 4,476.22 | 3/4 | 4,613.60 | 3/4 | 4,750.98 | 3/4 | 4,885.99 |
| 11 | 3,661.57 | 11 | 3,797.99 | 11 | 3,934.40 | 11 | 4,070.82 | 11 | 4,140.07 | 11 | 4,341.32 | 11 | 4,479.19 | 11 | 4,616.50 | 11 | 4,753.85 | 11 | 4,888.82 |
| 1/4 | 3,664.41 | 1/4 | 3,800.83 | 1/4 | 3,937.25 | 1/4 | 4,073.66 | 1/4 | 4,141.18 | 1/4 | 4,344.25 | 1/4 | 4,482.11 | 1/4 | 4,619.42 | 1/4 | 4,756.70 | 1/4 | 4,891.66 |
| 1/2 | 3,667.26 | 1/2 | 3,803.67 | 1/2 | 3,940.09 | 1/2 | 4,076.50 | 1/2 | 4,142.29 | 1/2 | 4,347.16 | 1/2 | 4,485.04 | 1/2 | 4,622.32 | 1/2 | 4,759.55 | 1/2 | 4,894.50 |
| 3/4 | 3,670.10 | 3/4 | 3,806.51 | 3/4 | 3,942.93 | 3/4 | 4,079.35 | 3/4 | 4,143.40 | 3/4 | 4,350.07 | 3/4 | 4,487.96 | 3/4 | 4,625.19 | 3/4 | 4,762.40 | 3/4 | 4,897.34 |



INSPECTORATE

ISO 9002 ACCREDITED

BARGE "HFL-417" HINES FURLONG LINE

3 STAR

HULL NO. 2200-1

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

INNAGE TABLE

| GRADE SHOULD BE ON LEVEL OR ALL WITHIN ONE GRADE | | | | | | | | | | | | |
|--|--------|--------|----------|----------|----------|----------|----------|----------|----------|-------|--|--|
| | 0 FT. | 1 FT. | 2 FT. | 3 FT. | 4 FT. | 5 FT. | 6 FT. | 7 FT. | 8 FT. | 9 FT. | | |
| N | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | |
| 0 | 15.73 | 357.32 | 715.11 | 1,073.24 | 1,431.36 | 1,789.49 | 2,147.61 | 2,505.74 | 2,863.87 | 0 | | |
| 1/4 | 20.40 | 364.74 | 722.57 | 1,080.70 | 1,438.82 | 1,796.95 | 2,155.08 | 2,513.20 | 2,871.33 | 1/4 | | |
| 1/2 | 25.07 | 372.16 | 730.03 | 1,088.16 | 1,446.28 | 1,804.41 | 2,162.54 | 2,520.66 | 2,878.79 | 1/2 | | |
| 3/4 | 29.74 | 379.58 | 737.49 | 1,095.62 | 1,453.74 | 1,811.87 | 2,170.00 | 2,528.12 | 2,886.25 | 3/4 | | |
| 1 | 34.41 | 387.00 | 744.95 | 1,103.08 | 1,461.21 | 1,819.33 | 2,177.48 | 2,535.58 | 2,893.71 | 1 | | |
| 1/4 | 40.95 | 394.41 | 752.41 | 1,110.54 | 1,468.67 | 1,826.79 | 2,184.92 | 2,543.05 | 2,901.17 | 1/4 | | |
| 1/2 | 47.49 | 401.83 | 759.88 | 1,118.00 | 1,476.13 | 1,834.25 | 2,192.38 | 2,550.51 | 2,908.63 | 1/2 | | |
| 3/4 | 54.02 | 409.25 | 767.34 | 1,125.46 | 1,483.59 | 1,841.71 | 2,199.84 | 2,557.97 | 2,916.09 | 3/4 | | |
| 2 | 60.56 | 416.67 | 774.80 | 1,132.92 | 1,491.05 | 1,849.18 | 2,207.30 | 2,565.43 | 2,923.55 | 2 | | |
| 1/4 | 67.98 | 424.13 | 782.26 | 1,140.38 | 1,498.51 | 1,856.64 | 2,214.76 | 2,572.89 | 2,931.02 | 1/4 | | |
| 1/2 | 75.40 | 431.59 | 789.72 | 1,147.85 | 1,505.97 | 1,864.10 | 2,222.22 | 2,580.35 | 2,938.48 | 1/2 | | |
| 3/4 | 82.82 | 439.05 | 797.18 | 1,155.31 | 1,513.43 | 1,871.56 | 2,229.68 | 2,587.81 | 2,945.94 | 3/4 | | |
| 3 | 90.24 | 446.51 | 804.64 | 1,162.77 | 1,520.89 | 1,879.02 | 2,237.15 | 2,595.27 | 2,953.40 | 3 | | |
| 1/4 | 97.65 | 453.98 | 812.10 | 1,170.23 | 1,528.35 | 1,886.48 | 2,244.61 | 2,602.73 | 2,960.86 | 1/4 | | |
| 1/2 | 105.07 | 461.44 | 819.56 | 1,177.69 | 1,535.82 | 1,893.94 | 2,252.07 | 2,610.19 | 2,968.32 | 1/2 | | |
| 3/4 | 112.49 | 468.90 | 827.02 | 1,185.15 | 1,543.28 | 1,901.40 | 2,259.53 | 2,617.65 | 2,975.78 | 3/4 | | |
| 4 | 119.91 | 476.36 | 834.48 | 1,192.61 | 1,550.74 | 1,908.86 | 2,266.99 | 2,625.12 | 2,983.24 | 4 | | |
| 1/4 | 127.33 | 483.82 | 841.95 | 1,200.07 | 1,558.20 | 1,916.32 | 2,274.45 | 2,632.58 | 2,990.70 | 1/4 | | |
| 1/2 | 134.75 | 491.28 | 849.41 | 1,207.53 | 1,565.66 | 1,923.79 | 2,281.91 | 2,640.04 | 2,998.16 | 1/2 | | |
| 3/4 | 142.17 | 498.74 | 856.87 | 1,214.99 | 1,573.12 | 1,931.25 | 2,289.34 | 2,647.50 | 3,005.63 | 3/4 | | |
| 5 | 149.59 | 506.20 | 864.33 | 1,222.45 | 1,580.58 | 1,938.71 | 2,296.83 | 2,654.96 | 3,013.09 | 5 | | |
| 1/4 | 157.01 | 513.66 | 871.79 | 1,229.92 | 1,588.04 | 1,946.17 | 2,304.29 | 2,662.42 | 3,020.55 | 1/4 | | |
| 1/2 | 164.43 | 521.12 | 879.25 | 1,237.38 | 1,595.50 | 1,953.63 | 2,311.76 | 2,669.88 | 3,028.01 | 1/2 | | |
| 3/4 | 171.84 | 528.59 | 886.71 | 1,244.84 | 1,602.96 | 1,961.09 | 2,319.22 | 2,677.34 | 3,035.47 | 3/4 | | |
| 6 | 179.26 | 536.05 | 894.17 | 1,252.30 | 1,610.43 | 1,968.55 | 2,326.68 | 2,684.80 | 3,042.93 | 6 | | |
| 1/4 | 186.68 | 543.51 | 901.63 | 1,259.76 | 1,617.89 | 1,976.01 | 2,334.14 | 2,692.26 | 3,050.39 | 1/4 | | |
| 1/2 | 194.10 | 550.97 | 909.09 | 1,267.22 | 1,625.35 | 1,983.47 | 2,341.60 | 2,699.73 | 3,057.85 | 1/2 | | |
| 3/4 | 201.52 | 558.43 | 916.56 | 1,274.68 | 1,632.81 | 1,990.93 | 2,349.05 | 2,707.19 | 3,065.31 | 3/4 | | |
| 7 | 208.94 | 565.89 | 924.02 | 1,282.14 | 1,640.27 | 1,998.40 | 2,356.52 | 2,714.65 | 3,072.77 | 7 | | |
| 1/4 | 216.36 | 573.35 | 931.48 | 1,289.60 | 1,647.73 | 2,005.86 | 2,363.98 | 2,722.11 | 3,080.23 | 1/4 | | |
| 1/2 | 223.78 | 580.81 | 938.94 | 1,297.06 | 1,655.19 | 2,013.32 | 2,371.44 | 2,729.57 | 3,087.70 | 1/2 | | |
| 3/4 | 231.20 | 588.27 | 946.40 | 1,304.53 | 1,662.65 | 2,020.78 | 2,378.90 | 2,737.03 | 3,095.16 | 3/4 | | |
| 8 | 238.62 | 595.73 | 953.86 | 1,311.99 | 1,670.11 | 2,028.24 | 2,386.37 | 2,744.49 | 3,102.62 | 8 | | |
| 1/4 | 246.03 | 603.20 | 961.32 | 1,319.45 | 1,677.57 | 2,035.70 | 2,393.83 | 2,751.95 | 3,110.08 | 1/4 | | |
| 1/2 | 253.45 | 610.66 | 968.78 | 1,326.91 | 1,685.03 | 2,043.16 | 2,401.29 | 2,759.41 | 3,117.54 | 1/2 | | |
| 3/4 | 260.87 | 618.12 | 976.24 | 1,334.37 | 1,692.50 | 2,050.62 | 2,408.75 | 2,766.87 | 3,125.00 | 3/4 | | |
| 9 | 268.29 | 625.58 | 983.70 | 1,341.83 | 1,699.96 | 2,058.08 | 2,416.21 | 2,774.34 | 3,132.46 | 9 | | |
| 1/4 | 275.71 | 633.04 | 991.17 | 1,349.29 | 1,707.42 | 2,065.54 | 2,423.67 | 2,781.80 | 3,139.92 | 1/4 | | |
| 1/2 | 283.13 | 640.50 | 998.63 | 1,356.75 | 1,714.88 | 2,073.00 | 2,431.13 | 2,789.26 | 3,147.38 | 1/2 | | |
| 3/4 | 290.55 | 647.96 | 1,006.09 | 1,364.21 | 1,722.34 | 2,080.47 | 2,438.59 | 2,796.72 | 3,154.84 | 3/4 | | |
| 10 | 297.97 | 655.42 | 1,013.55 | 1,371.67 | 1,729.80 | 2,087.93 | 2,446.05 | 2,804.18 | 3,162.31 | 10 | | |
| 1/4 | 305.39 | 662.88 | 1,021.01 | 1,379.14 | 1,737.26 | 2,095.39 | 2,453.51 | 2,811.64 | 3,169.77 | 1/4 | | |
| 1/2 | 312.81 | 670.34 | 1,028.47 | 1,386.60 | 1,744.72 | 2,102.85 | 2,460.97 | 2,819.10 | 3,177.23 | 1/2 | | |
| 3/4 | 320.22 | 677.80 | 1,035.93 | 1,394.06 | 1,752.18 | 2,110.31 | 2,468.44 | 2,826.56 | 3,184.69 | 3/4 | | |
| 11 | 327.64 | 685.27 | 1,043.39 | 1,401.52 | 1,759.64 | 2,117.77 | 2,475.90 | 2,834.02 | 3,192.15 | 11 | | |
| 1/4 | 335.06 | 692.73 | 1,050.85 | 1,408.98 | 1,767.11 | 2,125.23 | 2,483.36 | 2,841.48 | 3,199.61 | 1/4 | | |
| 1/2 | 342.48 | 700.19 | 1,058.31 | 1,416.44 | 1,774.57 | 2,132.69 | 2,490.82 | 2,848.94 | 3,207.07 | 1/2 | | |
| 3/4 | 349.90 | 707.65 | 1,065.77 | 1,423.90 | 1,782.03 | 2,140.15 | 2,498.28 | 2,856.41 | 3,214.53 | 3/4 | | |

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

STRAPPED: 2/7/72

* CAPACITY BELOW STRIKE POINT

REFERENCE GAUGE HEIGHT: 16'-2 1/2" (RIM OF 8" DIAMETER HATCH
LOCATED NEAR CENTER OF TANK)

REFERENCE GAUGE HEIGHT: 15'-11" (RIM OF 2" DIAMETER BALL VALVE
LOCATED NEAR CENTER OF TANK)

WE CERTIFY ALL MEASUREMENTS AND COMPUTATIONS ARE
IN ACCORDANCE WITH APPLICABLE API STANDARDS AND
ARE TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE.

[Signature]
INSPECTORATE AMERICA CORPORATION

BARGE "HFL-417"

HINES FURLONG LINE

HULL NO. 2200-1


| CORRECTION TABLE FOR TRIM AFT. | | |
|--------------------------------|-----------------------------------|------------------------------|
| FOR INNAGE GAUGES ONLY | | |
| TRIM | TANKS NO. 1 or 2 PORT OR STAR. | TANKS NO. 3 PORT OR STAR. |
| 0'-6" | NIL | (+) 0' - 0 1/4" |
| 1'-0" | NIL | (+) 0' - 0 1/2" |
| 1'-6" | NIL | (+) 0' - 0 3/4" |
| 2'-0" | NIL | (+) 0' - 1" |
| 2'-6" | NIL | (+) 0' - 1 1/4" |
| 3'-0" | NIL | (+) 0' - 1 1/2" |
| 3'-6" | NIL | (+) 0' - 1 3/4" |
| 4'-0" | NIL | (+) 0' - 2" |
| 4'-6" | NIL | (+) 0' - 2 1/4" |
| 5'-0" | NIL | (+) 0' - 2 1/2" |

NOTE: FOR TRIM FWD., REVERSE SIGNS.

NOTE: IF LIQUID SURFACE TOUCHES TANK BOTTOM OR DECK WHEN GAUGED,
TRIM CORRECTIONS ARE NOT ACCURATE.

NOTE: FOR "OUTAGE" GAUGES, REVERSE SIGNS.

DATE: 2/7/12

BY: 

INSPECTORATE AMERICA CORPORATION