Intertek Caleb Brett

BARGE GRIFCO 3810

INNAGE TABLE
TANK: 1 P/S

CAPACITIES IN U.S. BARRELS

FOR MANUAL GAUGING AT 10" GAUGE HATCH LOCATED ON DECK NEAR EXPANSION TRUNK

HULL No. 05-5539

IN	0 FT	IN	1 FT	IN	2 FT	IN	3 FT	IN	4 FT	IN	5 FT	IN	6 FT	IN	7 FT
0	0.00	0	44.16	0	203.21	0	405.77	0	653.24	0	910.50	0	1166.59	0	1423.88
1/4	0.05	1/4	47.05	1/4	206.94	1/4	410.52	1/4	658.60	1/4	915.86	1/4	1171.95	1/4	1429.24
1/2	0.09	1/2	49.96	1/2	210.68	1/2	415.29	1/2	663.96	1/2	921.21	1/2	1177.31	1/2	1434.60
3/4	0.14	3/4	52.89	3/4	214.44	3/4	420.08	3/4	669.32	3/4	926.57	3/4	1182.67	3/4	1439.96
1	0.19	1	55.83	1	218.23	1	424.89	1	674.68	1	931.93	1	1188.03	1	1445.32
1/4	0.23	1/4	58.80	1/4	222.01	1/4	429.72	1/4	680.04	1/4	937.24	1/4	1193.39	1/4	1450.68
1/2	0.28	1/2	61.78	1/2	225.81	1/2	434.56	1/2	685.40	1/2	942.54	1/2	1198.75	1/2	1456.04
3/4	0.33	3/4	64.79	3/4	229.63	3/4	439.43	3/4	690.76	3/4	947.85	3/4	1204.11	3/4	1461.40
2	0.37	2	67.81	2	233.47	2	444.32	2	696.12	2	953.16	2	1209.47	2	1466.76
1/4	0.42	1/4	70.86	1/4	237.33	1/4	449.23	1/4	701.48	1/4	958.47	1/4	1214.83	1/4	1472.12
1/2	0.47	1/2	73.92	1/2	241.21	1/2	454.15	1/2	706.84	1/2	963.78	1/2	1220.19	1/2	1477.48
3/4	0.51	3/4	77.01	3/4	245.10	3/4	459.10	3/4	712.20	3/4	969.09	3/4	1225.55	3/4	1482.84
3	0.56	3	80.11	3	249.04	3	464.06	3	717.56	3	974.39	3	1230.91	3	1488.20
1/4	0.61	1/4	83.23	1/4	253.00	1/4	469.05	1/4	722.92	1/4	979.70	1/4	1236.27	1/4	1493.56
1/2	0.65	1/2	86.37	1/2	256.98	1/2	474.05	1/2	728.28	1/2	985.01	1/2	1241.63	1/2	1498.92
3/4	0.70	3/4	89.54	3/4	260.98	3/4	479.08	3/4	733.64	3/4	990.32	3/4	1246.99	3/4	1504.28
4	0.75	4	92.72	4	264.99	4	484.12	4	739.00	4	995.63	4	1252.35	4	1509.64
1/4	0.79	1/4	95.92	1/4	269.03	1/4	489.18	1/4	744.36	1/4	1000.94	1/4	1257.71	1/4	1515.00
1/2	0.84	1/2	99.14	1/2	273.09	1/2	494.27	1/2	749.72	1/2	1006.25	1/2	1263.07	1/2	1520.36
3/4	0.89	3/4	102.38	3/4	277.16	3/4	499.37	3/4	755.08	3/4	1011.55	3/4	1268.43	3/4	1525.72
5	0.93	5	105.64	5	281.26	5	504.49	5	760.44	5	1016.86	5	1273.79	5	1531.08
1/4	0.98	1/4	108.91	1/4	285.37	1/4	509.63	1/4	765.80	1/4	1022.17	1/4	1279.15	1/4	1536.44
1/2	1.03	1/2	112.21	1/2	289.50	1/2	514.79	1/2	771.16	1/2	1027.48	1/2	1284.51	1/2	1541.80
3/4	1.07	3/4	115.53	3/4	293.66	3/4	519.97	3/4	776.52	3/4	1032.79	3/4	1289.87	3/4	1547.16
6	1.12	6	118.87	6	297.83	6	525.17	6	781.88	6	1038.10	6	1295.23	6	1552.52
1/4	1.27	1/4	122.22	1/4	302.02	1/4	530.39	1/4	787.24	1/4	1043.41	1/4	1300.59	1/4	1557.88
1/2	1.57	1/2	125.60	1/2	306.23	1/2	535.63	1/2	792.60	1/2	1048.71	1/2	1305.95	1/2	1563.24
3/4	2.03	3/4	128.99	3/4	310.46	3/4	540.88	3/4	797.96	3/4	1054.02	3/4	1311.31	3/4	1568.60
7	2.65	7	132.41	7	314.81	7	546.16	7	803.32	7	1059.38	7	1316.67	7	1573.96
1/4	3.42	1/4	135.62	1/4	319.18	1/4	551.46	1/4	808.68	1/4	1064.74	1/4	1322.03	1/4	1579.32
1/2	4.37	1/2	138.85	1/2	323.57	1/2	556.78	1/2	814.04	1/2	1070.10	1/2	1327.39	1/2	1584.68
3/4	5.47	3/4	142.10	3/4	327.98	3/4	562.12	3/4	819.40	3/4	1075.46	3/4	1332.75	3/4	1590.04
8	6.75	8	145.37	8	332.40	8	567.48	8	824.76	8	1080.82	8	1338.11	8	1595.40
1/4	7.97	1/4	148.66	1/4	336.84	1/4	572.84	1/4	830.12	1/4	1086.18	1/4	1343.47	1/4	1600.76
1/2	9.37	1/2	151.96	1/2	341.30	1/2	578.20	1/2	835.48	1/2	1091.54	1/2	1348.83	1/2	1606.12
3/4	10.95	3/4	155.29	3/4	345.78	3/4	583.56	3/4	840.84	3/4	1096.91	3/4	1354.19	3/4	1611.48
9	12.70	9	158.86	9	350.28	9	588.92	9	846.20	9	1102.27	9	1359.55	9	1616.84
1/4	14.63	1/4	162.45	1/4	354.80	1/4	594.28	1/4	851.56	1/4	1107.63	1/4	1364.92	1/4	1622.20
1/2	16.75	1/2	166.06	1/2	359.34	1/2	599.64	1/2	856.92	1/2	1112.99	1/2	1370.28	1/2	1627.56
3/4	19.05	3/4	169.69	3/4	363.89	3/4	605.00	3/4	862.28	3/4	1118.35	3/4	1375.64	3/4	1632.93
10	21.76	10	173.34	10	368.47	10	610.36	10	867.64	10	1123.71	10	1381.00	10	1638.29
1/4	24.49	1/4	177.00	1/4	373.06	1/4	615.72	1/4	873.00	1/4	1129.07	1/4	1386.36	1/4	1643.65
1/2	27.24	1/2	180.69	1/2	377.68	1/2	621.08	1/2	878.36	1/2	1134.43	1/2	1391.72	1/2	1649.01
3/4	30.02	3/4	184.39	3/4	382.31	3/4	626.44	3/4	883.71	3/4	1139.79	3/4	1397.08	3/4	1654.37
11	32.81	11	188.12	11	386.96	11	631.80	11	889.07	11	1145.15	11	1402.44	11	1659.73
1/4	35.62	1/4	191.86	1/4	391.63	1/4	637.16	1/4	894.43	1/4	1150.51	1/4	1407.80	1/4	1665.09
1/2	38.45	1/2	195.63	1/2	396.33	1/2	642.52	1/2	899.79	1/2	1155.87	1/2	1413.16	1/2	1670.45
3/4	41.30	3/4	199.41	3/4	401.04	3/4	647.88	3/4	905.14	3/4	1161.23	3/4	1418.52	3/4	1675.81

NOTE: GAUGE POINT: TO TOP LIP OF 10" GAUGE HATCH, ON EXPANSION TRUNK

NOTE: GAUGE POINT LOCATED AFT END OF TANK - APPLY TRIM CORRECTION WHEN NOT ON EVEN KEEL.

REFERENCE GAUGE HEIGHT PORT: 17' 1 3/4"

REFERENCE GAUGE HEIGHT STARBOARD: 17' 2"

Calibrated: JF 39828

Calculation: WHF 1/31/2009

Re-Issued: August 6, 2009
For Revised Trim Correction

Intertek Caleb Brett

BARGE GRIFCO 3810

INNAGE TABLE
TANK: 1 P/S

CAPACITIES IN U.S. BARRELS

FOR MANUAL GAUGING AT 10" GAUGE HATCH LOCATED ON DECK NEAR EXPANSION TRUNK

HULL No. 05-2538

IN	8 FT	IN	9 FT	IN	10 FT	IN	11 FT	IN	12 FT	IN	13 FT	IN	14 FT	IN	15 FT
0	1681.17	0	1938.46	0	2195.75	0	2453.01	0	2710.27	0	2966.67	0	3222.35	0	3473.76
1/4	1686.53	1/4	1943.82	1/4	2201.11	1/4	2458.37	1/4	2715.63	1/4	2971.99	1/4	3227.68	1/4	3478.00
1/2	1691.89	1/2	1949.18	1/2	2206.47	1/2	2463.73	1/2	2720.98	1/2	2977.32	1/2	3233.00	1/2	3482.09
3/4	1697.25	3/4	1954.54	3/4	2211.83	3/4	2469.09	3/4	2726.34	3/4	2982.65	3/4	3238.33	3/4	3486.03
1	1702.61	1	1959.90	1	2217.19	1	2474.45	1	2731.70	1	2987.97	1	3243.66	1	3489.83
1/4	1707.97	1/4	1965.26	1/4	2222.55	1/4	2479.81	1/4	2737.06	1/4	2993.30	1/4	3248.98	1/4	3493.47
1/2	1713.33	1/2	1970.62	1/2	2227.91	1/2	2485.17	1/2	2742.42	1/2	2998.63	1/2	3254.31	1/2	3496.97
3/4	1718.69	3/4	1975.98	3/4	2233.27	3/4	2490.53	3/4	2747.78	3/4	3003.95	3/4	3259.64	3/4	3500.32
2	1724.05	2	1981.34	2	2238.63	2	2495.89	2	2753.14	2	3009.28	2	3264.96	2	3503.51
1/4	1729.41	1/4	1986.70	1/4	2243.99	1/4	2501.25	1/4	2758.50	1/4	3014.61	1/4	3270.29	1/4	3506.56
1/2	1734.77	1/2	1992.06	1/2	2249.35	1/2	2506.61	1/2	2763.86	1/2	3019.93	1/2	3275.62	1/2	3509.46
3/4	1740.13	3/4	1997.42	3/4	2254.71	3/4	2511.97	3/4	2769.22	3/4	3025.26	3/4	3280.94	3/4	3512.21
3	1745.49	3	2002.78	3	2260.07	3	2517.33	3	2774.58	3	3030.59	3	3286.27	3	3514.81
1/4	1750.85	1/4	2008.14	1/4	2265.43	1/4	2522.69	1/4	2779.94	1/4	3035.91	1/4	3291.60	1/4	3517.27
1/2	1756.21	1/2	2013.50	1/2	2270.79	1/2	2528.05	1/2	2785.30	1/2	3041.24	1/2	3296.92	1/2	3519.57
3/4	1761.57	3/4	2018.86	3/4	2276.15	3/4	2533.41	3/4	2790.66	3/4	3046.57	3/4	3302.25	3/4	3527.30
4	1766.93	4	2024.22	4	2281.51	4	2538.77	4	2796.02	4	3051.89	4	3307.58	4	3523.73
1/4	1772.29	1/4	2029.58	1/4	2286.87	1/4	2544.12	1/4	2801.38	1/4	3057.22	1/4	3312.90	1/4	3525.59
1/2	1777.65	1/2	2034.94	1/2	2292.23	1/2	2549.48	1/2	2806.74	1/2	3062.55	1/2	3318.23	1/2	3527.30
3/4	1783.01	3/4	2040.30	3/4	2297.59	3/4	2554.84	3/4	2812.09	3/4	3067.87	3/4	3323.56	3/4	3528.85
5	1788.37	5	2045.66	5	2302.95	5	2560.20	5	2817.45	5	3073.20	5	3328.88	5	3530.26
1/4	1793.73	1/4	2051.02	1/4	2308.31	1/4	2565.56	1/4	2822.81	1/4	3078.53	1/4	3334.21	1/4	3531.52
1/2	1799.09	1/2	2056.38	1/2	2313.67	1/2	2570.92	1/2	2828.17	1/2	3083.85	1/2	3339.54	1/2	3532.64
3/4	1804.45	3/4	2061.74	3/4	2319.03	3/4	2576.28	3/4	2833.50	3/4	3089.18	3/4	3344.82	3/4	3533.60
6	1809.81	6	2067.10	6	2324.39	6	2581.64	6	2838.83	6	3094.51	6	3350.10	6	3534.41
1/4	1815.17	1/4	2072.46	1/4	2329.75	1/4	2587.00	1/4	2844.15	1/4	3099.83	1/4	3355.38	1/4	3535.08
1/2	1820.53	1/2	2077.82	1/2	2335.11	1/2	2592.36	1/2	2849.48	1/2	3105.16	1/2	3360.67	1/2	3535.59
3/4	1825.89	3/4	2083.18	3/4	2340.47	3/4	2597.72	3/4	2854.81	3/4	3110.49	3/4	3365.95	3/4	3535.96
7	1831.25	7	2088.54	7	2345.83	7	2603.08	7	2860.13	7	3115.81	7	3371.23	7	3536.18
1/4	1836.61	1/4	2093.90	1/4	2351.19	1/4	2608.44	1/4	2865.46	1/4	3121.14	1/4	3376.52	1/4	3536.25
1/2	1841.97	1/2	2099.26	1/2	2356.55	1/2	2613.80	1/2	2870.79	1/2	3126.47	1/2	3381.80	1/2	
3/4	1847.33	3/4	2104.62	3/4	2361.91	3/4	2619.16	3/4	2876.11	3/4	3131.79	3/4	3387.08	3/4	
8	1852.69	8	2109.98	8	2367.26	8	2624.52	8	2881.44	8	3137.12	8	3392.36		
1/4	1858.05	1/4	2115.34	1/4	2372.62	1/4	2629.88	1/4	2886.77	1/4	3142.45	1/4	3397.65		
1/2	1863.41	1/2	2120.70	1/2	2377.98	1/2	2635.23	1/2	2892.09	1/2	3147.77	1/2	3402.93		
3/4	1868.77	3/4	2126.06	3/4	2383.34	3/4	2640.59	3/4	2897.42	3/4	3153.10	3/4	3408.21		
9	1874.13	9	2131.42	9	2388.70	9	2645.95	9	2902.75	9	3158.43	9	3413.50		
1/4	1879.49	1/4	2136.78	1/4	2394.06	1/4	2651.31	1/4	2908.07	1/4	3163.75	1/4	3418.78		
1/2	1884.85	1/2	2142.14	1/2	2399.42	1/2	2656.67	1/2	2913.40	1/2	3169.08	1/2	3424.06		
3/4	1890.21	3/4	2147.50	3/4	2404.78	3/4	2662.03	3/4	2918.73	3/4	3174.41	3/4	3429.34		
10	1895.57	10	2152.86	10	2410.14	10	2667.39	10	2924.05	10	3179.74	10	3434.63		
1/4	1900.94	1/4	2158.22	1/4	2415.50	1/4	2672.75	1/4	2929.38	1/4	3185.06	1/4	3439.91		
1/2	1906.30	1/2	2163.58	1/2	2420.86	1/2	2678.11	1/2	2934.71	1/2	3190.39	1/2	3445.19		
3/4	1911.66	3/4	2168.95	3/4	2426.22	3/4	2683.47	3/4	2940.03	3/4	3195.72	3/4	3450.33		
11	1917.02	11	2174.31	11	2431.58	11	2688.83	11	2945.36	11	3201.04	11	3455.31		
1/4	1922.38	1/4	2179.67	1/4	2436.94	1/4	2694.19	1/4	2950.69	1/4	3206.37	1/4	3460.15		
1/2	1927.74	1/2	2185.03	1/2	2442.30	1/2	2699.55	1/2	2956.01	1/2	3211.70	1/2	3464.83		
3/4	1933.10	3/4	2190.39	3/4	2447.66	3/4	2704.91	3/4	2961.34	3/4	3217.02	3/4	3469.37		

Trim Correction	
+12"	1 1/8
+6"	5/8
EVEN	0
-6"	- 5/8
-1' 0"	-1 1/8
-1'-6"	-1 3/4
-2' 0"	-2 3/8
-2'-6"	-2 7/8
-3' 0"	-3 1/2
-3'-6"	-4 1/8
-4' 0"	-4 5/8
-4'-6"	-5 1/4
-5' 0"	-5 7/8
-5'-6"	-6 3/8
-6' 0"	-7

NOTE: GAUGE POINT: TO TOP LIP OF BALL VALVE, ON 19" DECK PIPE.

NOTE: GAUGE POINT LOCATED OFF CENTER OF TANK - APPLY TRIM CORRECTION WHEN NOT ON EVEN KEEL.

REFERENCE GAUGE HEIGHT PORT: 17' 1 3/4"

REFERENCE GAUGE HEIGHT STARBOARD: 17' 2"

Calibrated: JF 39828

Calculation: WHF 1/31/2009

Re-Issued: August 6, 2009
For Revised Trim Correction

Intertek Caleb Brett

BARGE GRIFCO 3810

INNAGE TABLE
TANK: 2 P/S

CAPACITIES IN U.S. BARRELS

FOR MANUAL GAUGING AT 10" GAUGE HATCH LOCATED ON DECK NEAR EXPANSION TRUNK

HULL No. 05-5539

IN	0 FT	IN	1 FT	IN	2 FT	IN	3 FT	IN	4 FT	IN	5 FT	IN	6 FT	IN	7 FT
0	0.00	0	85.24	0	336.16	0	587.63	0	839.74	0	1092.71	0	1345.82	0	1598.93
1/4	0.05	1/4	90.35	1/4	341.40	1/4	592.86	1/4	845.00	1/4	1097.98	1/4	1351.09	1/4	1604.20
1/2	0.09	1/2	95.47	1/2	346.64	1/2	598.10	1/2	850.26	1/2	1103.26	1/2	1356.36	1/2	1609.47
3/4	0.14	3/4	100.61	3/4	351.88	3/4	603.34	3/4	855.52	3/4	1108.53	3/4	1361.63	3/4	1614.75
1	0.19	1	105.77	1	357.12	1	608.58	1	860.78	1	1113.80	1	1366.91	1	1620.02
1/4	0.23	1/4	110.95	1/4	362.36	1/4	613.81	1/4	866.04	1/4	1119.07	1/4	1372.18	1/4	1625.29
1/2	0.28	1/2	116.15	1/2	367.60	1/2	619.04	1/2	871.30	1/2	1124.35	1/2	1377.45	1/2	1630.57
3/4	0.33	3/4	121.37	3/4	372.83	3/4	624.27	3/4	876.56	3/4	1129.62	3/4	1382.73	3/4	1635.84
2	0.37	2	126.61	2	378.07	2	629.50	2	881.82	2	1134.89	2	1388.00	2	1641.11
1/4	0.42	1/4	131.85	1/4	383.31	1/4	634.73	1/4	887.08	1/4	1140.17	1/4	1393.27	1/4	1646.39
1/2	0.47	1/2	137.09	1/2	388.55	1/2	639.95	1/2	892.34	1/2	1145.44	1/2	1398.54	1/2	1651.66
3/4	0.51	3/4	142.33	3/4	393.79	3/4	645.18	3/4	897.60	3/4	1150.71	3/4	1403.82	3/4	1656.93
3	0.56	3	147.57	3	399.03	3	650.41	3	902.88	3	1155.99	3	1409.09	3	1662.21
1/4	0.61	1/4	152.81	1/4	404.27	1/4	655.64	1/4	908.15	1/4	1161.26	1/4	1414.36	1/4	1667.48
1/2	0.65	1/2	158.05	1/2	409.51	1/2	660.87	1/2	913.42	1/2	1166.53	1/2	1419.64	1/2	1672.75
3/4	0.70	3/4	163.29	3/4	414.75	3/4	666.10	3/4	918.70	3/4	1171.81	3/4	1424.91	3/4	1678.03
4	0.75	4	168.52	4	419.98	4	671.37	4	923.97	4	1177.08	4	1430.18	4	1683.30
1/4	0.79	1/4	173.76	1/4	425.22	1/4	676.65	1/4	929.24	1/4	1182.35	1/4	1435.45	1/4	1688.57
1/2	0.84	1/2	179.00	1/2	430.46	1/2	681.92	1/2	934.52	1/2	1187.63	1/2	1440.73	1/2	1693.85
3/4	0.89	3/4	184.24	3/4	435.70	3/4	687.19	3/4	939.79	3/4	1192.90	3/4	1446.00	3/4	1699.12
5	0.93	5	189.48	5	440.94	5	692.47	5	945.06	5	1198.17	5	1451.27	5	1704.39
1/4	0.98	1/4	194.72	1/4	446.18	1/4	697.73	1/4	950.34	1/4	1203.44	1/4	1456.55	1/4	1709.67
1/2	1.03	1/2	199.95	1/2	451.42	1/2	702.99	1/2	955.61	1/2	1208.72	1/2	1461.82	1/2	1714.94
3/4	1.07	3/4	205.19	3/4	456.66	3/4	708.25	3/4	960.88	3/4	1213.99	3/4	1467.09	3/4	1720.22
6	1.12	6	210.43	6	461.89	6	713.51	6	966.15	6	1219.26	6	1472.37	6	1725.49
1/4	1.43	1/4	215.67	1/4	467.13	1/4	718.77	1/4	971.43	1/4	1224.54	1/4	1477.64	1/4	1730.76
1/2	2.07	1/2	220.91	1/2	472.37	1/2	724.03	1/2	976.70	1/2	1229.81	1/2	1482.91	1/2	1736.04
3/4	3.03	3/4	226.15	3/4	477.61	3/4	729.29	3/4	981.97	3/4	1235.08	3/4	1488.19	3/4	1741.31
7	4.31	7	231.39	7	482.85	7	734.55	7	987.25	7	1240.36	7	1493.46	7	1746.58
1/4	5.92	1/4	236.63	1/4	488.09	1/4	739.81	1/4	992.52	1/4	1245.63	1/4	1498.73	1/4	1751.86
1/2	7.87	1/2	241.86	1/2	493.33	1/2	745.07	1/2	997.79	1/2	1250.90	1/2	1504.01	1/2	1757.13
3/4	10.14	3/4	247.10	3/4	498.57	3/4	750.33	3/4	1003.07	3/4	1256.18	3/4	1509.28	3/4	1762.40
8	12.74	8	252.34	8	503.81	8	755.59	8	1008.34	8	1261.45	8	1514.55	8	1767.68
1/4	15.67	1/4	257.58	1/4	509.04	1/4	760.85	1/4	1013.61	1/4	1266.72	1/4	1519.83	1/4	1772.95
1/2	18.93	1/2	262.82	1/2	514.28	1/2	766.11	1/2	1018.89	1/2	1271.99	1/2	1525.10	1/2	1778.22
3/4	22.53	3/4	268.06	3/4	519.52	3/4	771.37	3/4	1024.16	3/4	1277.27	3/4	1530.37	3/4	1783.50
9	26.45	9	273.30	9	524.76	9	776.63	9	1029.43	9	1282.54	9	1535.65	9	1788.77
1/4	30.70	1/4	278.54	1/4	530.00	1/4	781.89	1/4	1034.71	1/4	1287.81	1/4	1540.92	1/4	1794.04
1/2	35.28	1/2	283.78	1/2	535.24	1/2	787.15	1/2	1039.98	1/2	1293.09	1/2	1546.19	1/2	1799.32
3/4	40.19	3/4	289.01	3/4	540.48	3/4	792.41	3/4	1045.25	3/4	1298.36	3/4	1551.47	3/4	1804.59
10	45.11	10	294.25	10	545.72	10	797.67	10	1050.52	10	1303.63	10	1556.74	10	1809.86
1/4	50.06	1/4	299.49	1/4	550.95	1/4	802.93	1/4	1055.80	1/4	1308.90	1/4	1562.01	1/4	1815.14
1/2	55.03	1/2	304.73	1/2	556.19	1/2	808.19	1/2	1061.07	1/2	1314.18	1/2	1567.29	1/2	1820.41
3/4	60.02	3/4	309.97	3/4	561.43	3/4	813.45	3/4	1066.34	3/4	1319.45	3/4	1572.56	3/4	1825.68
11	65.02	11	315.21	11	566.67	11	818.71	11	1071.62	11	1324.72	11	1577.83	11	1830.96
1/4	70.05	1/4	320.45	1/4	571.91	1/4	823.97	1/4	1076.89	1/4	1330.00	1/4	1583.11	1/4	1836.23
1/2	75.09	1/2	325.69	1/2	577.15	1/2	829.22	1/2	1082.16	1/2	1335.27	1/2	1588.38	1/2	1841.50
3/4	80.16	3/4	330.92	3/4	582.39	3/4	834.48	3/4	1087.44	3/4	1340.54	3/4	1593.65	3/4	1846.78

NOTE: GAUGE POINT: TO TOP LIP OF 10" GAUGE HATCH, ON EXPANSION TRUNK

NOTE: GAUGE POINT LOCATED AFT END OF TANK - APPLY TRIM CORRECTION WHEN NOT ON EVEN KEEL.

REFERENCE GAUGE HEIGHT PORT: 17' 2"

REFERENCE GAUGE HEIGHT STARBOARD: 17' 2"

Calibrated: JF 39828

Calculation: WHF 1/31/2009

Re-Issued: August 6, 2009
For Revised Trim Correction

Intertek Caleb Brett

BARGE GRIFCO 3810

INNAGE TABLE
TANK: 2 P/S

CAPACITIES IN U.S. BARRELS

FOR MANUAL GAUGING AT 10" GAUGE HATCH LOCATED ON DECK NEAR EXPANSION TRUNK

HULL No. 05-2538

IN	8 FT	IN	9 FT	IN	10 FT	IN	11 FT	IN	12 FT	IN	13 FT	IN	14 FT	IN	15 FT
0	1852.05	0	2105.17	0	2358.04	0	2610.66	0	2863.30	0	3115.93	0	3368.56	0	3618.12
1/4	1857.32	1/4	2110.45	1/4	2363.31	1/4	2615.93	1/4	2868.56	1/4	3121.19	1/4	3373.83	1/4	3622.36
1/2	1862.60	1/2	2115.72	1/2	2368.57	1/2	2621.19	1/2	2873.82	1/2	3126.46	1/2	3379.09	1/2	3626.45
3/4	1867.87	3/4	2120.99	3/4	2373.83	3/4	2626.45	3/4	2879.09	3/4	3131.72	3/4	3384.35	3/4	3630.39
1	1873.14	1	2126.27	1	2379.10	1	2631.72	1	2884.35	1	3136.98	1	3389.62	1	3634.19
1/4	1878.42	1/4	2131.54	1/4	2384.36	1/4	2636.98	1/4	2889.61	1/4	3142.25	1/4	3394.88	1/4	3637.84
1/2	1883.69	1/2	2136.81	1/2	2389.62	1/2	2642.24	1/2	2894.88	1/2	3147.51	1/2	3400.14	1/2	3641.35
3/4	1888.96	3/4	2142.09	3/4	2394.88	3/4	2647.51	3/4	2900.14	3/4	3152.77	3/4	3405.41	3/4	3644.71
2	1894.24	2	2147.36	2	2400.15	2	2652.77	2	2905.40	2	3158.04	2	3410.67	2	3647.92
1/4	1899.51	1/4	2152.63	1/4	2405.41	1/4	2658.03	1/4	2910.67	1/4	3163.30	1/4	3415.93	1/4	3650.99
1/2	1904.78	1/2	2157.91	1/2	2410.67	1/2	2663.29	1/2	2915.93	1/2	3168.56	1/2	3421.20	1/2	3653.91
3/4	1910.06	3/4	2163.18	3/4	2415.94	3/4	2668.56	3/4	2921.19	3/4	3173.83	3/4	3426.46	3/4	3656.68
3	1915.33	3	2168.45	3	2421.20	3	2673.82	3	2926.45	3	3179.09	3	3431.72	3	3659.31
1/4	1920.60	1/4	2173.73	1/4	2426.46	1/4	2679.08	1/4	2931.72	1/4	3184.35	1/4	3436.99	1/4	3661.79
1/2	1925.88	1/2	2179.00	1/2	2431.73	1/2	2684.35	1/2	2936.98	1/2	3189.61	1/2	3442.25	1/2	3664.12
3/4	1931.15	3/4	2184.27	3/4	2436.99	3/4	2689.61	3/4	2942.24	3/4	3194.88	3/4	3447.51	3/4	3671.99
4	1936.42	4	2189.55	4	2442.25	4	2694.87	4	2947.51	4	3200.14	4	3452.77	4	3668.35
1/4	1941.70	1/4	2194.82	1/4	2447.51	1/4	2700.14	1/4	2952.77	1/4	3205.40	1/4	3458.04	1/4	3670.24
1/2	1946.97	1/2	2200.09	1/2	2452.78	1/2	2705.40	1/2	2958.03	1/2	3210.67	1/2	3463.30	1/2	3671.99
3/4	1952.24	3/4	2205.37	3/4	2458.04	3/4	2710.66	3/4	2963.30	3/4	3215.93	3/4	3468.56	3/4	3673.59
5	1957.52	5	2210.64	5	2463.30	5	2715.93	5	2968.56	5	3221.19	5	3473.83	5	3675.04
1/4	1962.79	1/4	2215.91	1/4	2468.57	1/4	2721.19	1/4	2973.82	1/4	3226.46	1/4	3479.09	1/4	3676.35
1/2	1968.06	1/2	2221.19	1/2	2473.83	1/2	2726.45	1/2	2979.09	1/2	3231.72	1/2	3484.35	1/2	3677.51
3/4	1973.34	3/4	2226.46	3/4	2479.09	3/4	2731.72	3/4	2984.35	3/4	3236.98	3/4	3489.62	3/4	3678.53
6	1978.61	6	2231.73	6	2484.35	6	2736.98	6	2989.61	6	3242.25	6	3494.88	6	3679.39
1/4	1983.89	1/4	2237.00	1/4	2489.62	1/4	2742.24	1/4	2994.88	1/4	3247.51	1/4	3500.14	1/4	3680.12
1/2	1989.16	1/2	2242.26	1/2	2494.88	1/2	2747.51	1/2	3000.14	1/2	3252.77	1/2	3505.41	1/2	3680.69
3/4	1994.43	3/4	2247.52	3/4	2500.14	3/4	2752.77	3/4	3005.40	3/4	3258.04	3/4	3510.67	3/4	3681.12
7	1999.71	7	2252.79	7	2505.41	7	2758.03	7	3010.67	7	3263.30	7	3515.93	7	3681.40
1/4	2004.98	1/4	2258.05	1/4	2510.67	1/4	2763.30	1/4	3015.93	1/4	3268.56	1/4	3521.20	1/4	3681.54
1/2	2010.25	1/2	2263.31	1/2	2515.93	1/2	2768.56	1/2	3021.19	1/2	3273.83	1/2	3526.46	1/2	3681.60
3/4	2015.53	3/4	2268.58	3/4	2521.19	3/4	2773.82	3/4	3026.46	3/4	3279.09	3/4	3531.72	3/4	
8	2020.80	8	2273.84	8	2526.46	8	2779.09	8	3031.72	8	3284.35	8	3536.99		
1/4	2026.07	1/4	2279.10	1/4	2531.72	1/4	2784.35	1/4	3036.98	1/4	3289.62	1/4	3542.25		
1/2	2031.35	1/2	2284.36	1/2	2536.98	1/2	2789.61	1/2	3042.25	1/2	3294.88	1/2	3547.51		
3/4	2036.62	3/4	2289.63	3/4	2542.25	3/4	2794.87	3/4	3047.51	3/4	3300.14	3/4	3552.78		
9	2041.89	9	2294.89	9	2547.51	9	2800.14	9	3052.77	9	3305.41	9	3558.04		
1/4	2047.17	1/4	2300.15	1/4	2552.77	1/4	2805.40	1/4	3058.03	1/4	3310.67	1/4	3563.30		
1/2	2052.44	1/2	2305.42	1/2	2558.03	1/2	2810.66	1/2	3063.30	1/2	3315.93	1/2	3568.57		
3/4	2057.71	3/4	2310.68	3/4	2563.30	3/4	2815.93	3/4	3068.56	3/4	3321.19	3/4	3573.83		
10	2062.99	10	2315.94	10	2568.56	10	2821.19	10	3073.82	10	3326.46	10	3579.09		
1/4	2068.26	1/4	2321.20	1/4	2573.82	1/4	2826.45	1/4	3079.09	1/4	3331.72	1/4	3584.35		
1/2	2073.53	1/2	2326.47	1/2	2579.09	1/2	2831.72	1/2	3084.35	1/2	3336.98	1/2	3589.62		
3/4	2078.81	3/4	2331.73	3/4	2584.35	3/4	2836.98	3/4	3089.61	3/4	3342.25	3/4	3594.73		
11	2084.08	11	2336.99	11	2589.61	11	2842.24	11	3094.88	11	3347.51	11	3599.70		
1/4	2089.35	1/4	2342.26	1/4	2594.87	1/4	2847.51	1/4	3100.14	1/4	3352.77	1/4	3604.53		
1/2	2094.63	1/2	2347.52	1/2	2600.14	1/2	2852.77	1/2	3105.40	1/2	3358.04	1/2	3609.21		
3/4	2099.90	3/4	2352.78	3/4	2605.40	3/4	2858.03	3/4	3110.67	3/4	3363.30	3/4	3613.74		

Trim Correction	
+12"	1 1/8
+6"	5/8
EVEN	0
-6"	- 5/8
-1' 0"	-1 1/8
-1'-6"	-1 3/4
-2' 0"	-2 1/4
-2'-6"	-2 7/8
-3' 0"	-3 1/2
-3'-6"	-4
-4' 0"	-4 5/8
-4'-6"	-5 1/8
-5' 0"	-5 3/4
-5'-6"	-6 1/4
-6' 0"	-6 7/8

NOTE: GAUGE POINT: TO TOP LIP OF BALL VALVE, ON 18" DECK PIPE.

NOTE: GAUGE POINT LOCATED OFF CENTER OF TANK - APPLY TRIM CORRECTION WHEN NOT ON EVEN KEEL.

REFERENCE GAUGE HEIGHT PORT: 17' 2"

REFERENCE GAUGE HEIGHT STARBOARD: 17' 2"

Calibrated: JF 39828

Calculation: WHF 1/31/2009

Re-Issued: August 6, 2009

For Revised Trim Correction

Intertek Caleb Brett

BARGE GRIFCO 3810

INNAGE TABLE
TANK: 3 P/S

CAPACITIES IN U.S. BARRELS

FOR MANUAL GAUGING AT 10" GAUGE HATCH LOCATED ON DECK NEAR EXPANSION TRUNK

HULL No. 05-5539

IN	0 FT	IN	1 FT	IN	2 FT	IN	3 FT	IN	4 FT	IN	5 FT	IN	6 FT	IN	7 FT
0	0.00	0	85.18	0	335.92	0	587.20	0	839.14	0	1091.92	0	1344.84	0	1597.77
1/4	0.05	1/4	90.28	1/4	341.15	1/4	592.43	1/4	844.39	1/4	1097.19	1/4	1350.11	1/4	1603.04
1/2	0.09	1/2	95.40	1/2	346.39	1/2	597.67	1/2	849.65	1/2	1102.46	1/2	1355.38	1/2	1608.31
3/4	0.14	3/4	100.54	3/4	351.62	3/4	602.90	3/4	854.90	3/4	1107.73	3/4	1360.65	3/4	1613.58
1	0.19	1	105.70	1	356.86	1	608.14	1	860.16	1	1112.99	1	1365.92	1	1618.85
1/4	0.23	1/4	110.87	1/4	362.09	1/4	613.36	1/4	865.42	1/4	1118.26	1/4	1371.19	1/4	1624.12
1/2	0.28	1/2	116.07	1/2	367.33	1/2	618.59	1/2	870.67	1/2	1123.53	1/2	1376.46	1/2	1629.39
3/4	0.33	3/4	121.28	3/4	372.56	3/4	623.81	3/4	875.93	3/4	1128.80	3/4	1381.72	3/4	1634.66
2	0.37	2	126.52	2	377.80	2	629.04	2	881.18	2	1134.07	2	1386.99	2	1639.93
1/4	0.42	1/4	131.76	1/4	383.03	1/4	634.26	1/4	886.44	1/4	1139.34	1/4	1392.26	1/4	1645.20
1/2	0.47	1/2	136.99	1/2	388.27	1/2	639.49	1/2	891.70	1/2	1144.61	1/2	1397.53	1/2	1650.47
3/4	0.51	3/4	142.23	3/4	393.50	3/4	644.71	3/4	896.95	3/4	1149.88	3/4	1402.80	3/4	1655.74
3	0.56	3	147.46	3	398.74	3	649.94	3	902.22	3	1155.15	3	1408.07	3	1661.01
1/4	0.61	1/4	152.70	1/4	403.97	1/4	655.17	1/4	907.49	1/4	1160.42	1/4	1413.34	1/4	1666.28
1/2	0.65	1/2	157.93	1/2	409.21	1/2	660.39	1/2	912.76	1/2	1165.69	1/2	1418.61	1/2	1671.54
3/4	0.70	3/4	163.17	3/4	414.44	3/4	665.62	3/4	918.03	3/4	1170.96	3/4	1423.88	3/4	1676.81
4	0.75	4	168.40	4	419.68	4	670.89	4	923.30	4	1176.23	4	1429.15	4	1682.08
1/4	0.79	1/4	173.64	1/4	424.91	1/4	676.16	1/4	928.57	1/4	1181.50	1/4	1434.42	1/4	1687.35
1/2	0.84	1/2	178.87	1/2	430.15	1/2	681.43	1/2	933.84	1/2	1186.77	1/2	1439.69	1/2	1692.62
3/4	0.89	3/4	184.10	3/4	435.38	3/4	686.70	3/4	939.11	3/4	1192.03	3/4	1444.95	3/4	1697.89
5	0.93	5	189.34	5	440.62	5	691.97	5	944.38	5	1197.30	5	1450.22	5	1703.16
1/4	0.98	1/4	194.57	1/4	445.85	1/4	697.22	1/4	949.65	1/4	1202.57	1/4	1455.49	1/4	1708.43
1/2	1.03	1/2	199.81	1/2	451.09	1/2	702.48	1/2	954.92	1/2	1207.84	1/2	1460.76	1/2	1713.70
3/4	1.07	3/4	205.04	3/4	456.32	3/4	707.73	3/4	960.19	3/4	1213.11	3/4	1466.03	3/4	1718.97
6	1.12	6	210.28	6	461.56	6	712.99	6	965.45	6	1218.38	6	1471.30	6	1724.24
1/4	1.43	1/4	215.51	1/4	466.79	1/4	718.25	1/4	970.72	1/4	1223.65	1/4	1476.57	1/4	1729.51
1/2	2.07	1/2	220.75	1/2	472.03	1/2	723.50	1/2	975.99	1/2	1228.92	1/2	1481.84	1/2	1734.78
3/4	3.03	3/4	225.98	3/4	477.26	3/4	728.76	3/4	981.26	3/4	1234.19	3/4	1487.11	3/4	1740.05
7	4.31	7	231.22	7	482.50	7	734.02	7	986.53	7	1239.46	7	1492.38	7	1745.32
1/4	5.92	1/4	236.45	1/4	487.73	1/4	739.27	1/4	991.80	1/4	1244.73	1/4	1497.65	1/4	1750.59
1/2	7.86	1/2	241.69	1/2	492.97	1/2	744.53	1/2	997.07	1/2	1250.00	1/2	1502.92	1/2	1755.86
3/4	10.13	3/4	246.92	3/4	498.20	3/4	749.78	3/4	1002.34	3/4	1255.27	3/4	1508.19	3/4	1761.13
8	12.73	8	252.16	8	503.44	8	755.04	8	1007.61	8	1260.54	8	1513.46	8	1766.40
1/4	15.66	1/4	257.39	1/4	508.67	1/4	760.30	1/4	1012.88	1/4	1265.80	1/4	1518.73	1/4	1771.67
1/2	18.92	1/2	262.63	1/2	513.91	1/2	765.55	1/2	1018.15	1/2	1271.07	1/2	1524.00	1/2	1776.94
3/4	22.51	3/4	267.86	3/4	519.14	3/4	770.81	3/4	1023.42	3/4	1276.34	3/4	1529.27	3/4	1782.21
9	26.43	9	273.10	9	524.38	9	776.06	9	1028.69	9	1281.61	9	1534.54	9	1787.48
1/4	30.67	1/4	278.33	1/4	529.61	1/4	781.32	1/4	1033.96	1/4	1286.88	1/4	1539.80	1/4	1792.75
1/2	35.25	1/2	283.57	1/2	534.85	1/2	786.58	1/2	1039.22	1/2	1292.15	1/2	1545.07	1/2	1798.02
3/4	40.16	3/4	288.80	3/4	540.08	3/4	791.83	3/4	1044.49	3/4	1297.42	3/4	1550.34	3/4	1803.28
10	45.08	10	294.04	10	545.32	10	797.09	10	1049.76	10	1302.69	10	1555.61	10	1808.55
1/4	50.03	1/4	299.27	1/4	550.55	1/4	802.34	1/4	1055.03	1/4	1307.96	1/4	1560.88	1/4	1813.82
1/2	54.99	1/2	304.51	1/2	555.79	1/2	807.60	1/2	1060.30	1/2	1313.23	1/2	1566.15	1/2	1819.09
3/4	59.97	3/4	309.74	3/4	561.02	3/4	812.86	3/4	1065.57	3/4	1318.50	3/4	1571.42	3/4	1824.36
11	64.98	11	314.98	11	566.26	11	818.11	11	1070.84	11	1323.76	11	1576.69	11	1829.63
1/4	70.00	1/4	320.21	1/4	571.49	1/4	823.37	1/4	1076.11	1/4	1329.03	1/4	1581.96	1/4	1834.90
1/2	75.04	1/2	325.45	1/2	576.73	1/2	828.62	1/2	1081.38	1/2	1334.30	1/2	1587.23	1/2	1840.17
3/4	80.10	3/4	330.68	3/4	581.96	3/4	833.88	3/4	1086.65	3/4	1339.57	3/4	1592.50	3/4	1845.44

NOTE: GAUGE POINT: TO TOP LIP OF 10" GAUGE HATCH, ON EXPANSION TRUNK

NOTE: GAUGE POINT LOCATED AFT END OF TANK - APPLY TRIM CORRECTION WHEN NOT ON EVEN KEEL.

REFERENCE GAUGE HEIGHT PORT: 17' 2"

REFERENCE GAUGE HEIGHT STARBOARD: 17' 2'

Calibrated: JF 39828

Calculation: WHF 1/31/2009

Re-Issued: August 6, 2009
For Revised Trim Correction

Intertek Caleb Brett

BARGE GRIFCO 3810

INNAGE TABLE
TANK: 3 P/S

CAPACITIES IN U.S. BARRELS

FOR MANUAL GAUGING AT 10" GAUGE HATCH LOCATED ON DECK NEAR EXPANSION TRUNK

HULL No. 05-2538

IN	8 FT	IN	9 FT	IN	10 FT	IN	11 FT	IN	12 FT	IN	13 FT	IN	14 FT	IN	15 FT
0	1850.71	0	2103.65	0	2356.34	0	2608.78	0	2861.23	0	3113.68	0	3366.13	0	3615.51
1/4	1855.98	1/4	2108.92	1/4	2361.60	1/4	2614.04	1/4	2866.49	1/4	3118.94	1/4	3371.39	1/4	3619.74
1/2	1861.25	1/2	2114.19	1/2	2366.86	1/2	2619.30	1/2	2871.75	1/2	3124.20	1/2	3376.65	1/2	3623.83
3/4	1866.52	3/4	2119.46	3/4	2372.12	3/4	2624.56	3/4	2877.01	3/4	3129.46	3/4	3381.91	3/4	3627.77
1	1871.79	1	2124.73	1	2377.38	1	2629.81	1	2882.27	1	3134.72	1	3387.17	1	3631.57
1/4	1877.06	1/4	2130.00	1/4	2382.64	1/4	2635.07	1/4	2887.53	1/4	3139.98	1/4	3392.43	1/4	3635.22
1/2	1882.33	1/2	2135.27	1/2	2387.90	1/2	2640.33	1/2	2892.78	1/2	3145.24	1/2	3397.69	1/2	3638.72
3/4	1887.60	3/4	2140.54	3/4	2393.15	3/4	2645.59	3/4	2898.04	3/4	3150.50	3/4	3402.95	3/4	3642.08
2	1892.87	2	2145.81	2	2398.41	2	2650.85	2	2903.30	2	3155.75	2	3408.21	2	3645.29
1/4	1898.14	1/4	2151.08	1/4	2403.67	1/4	2656.11	1/4	2908.56	1/4	3161.01	1/4	3413.47	1/4	3648.35
1/2	1903.41	1/2	2156.35	1/2	2408.93	1/2	2661.37	1/2	2913.82	1/2	3166.27	1/2	3418.72	1/2	3651.27
3/4	1908.68	3/4	2161.62	3/4	2414.19	3/4	2666.63	3/4	2919.08	3/4	3171.53	3/4	3423.98	3/4	3654.04
3	1913.95	3	2166.89	3	2419.45	3	2671.89	3	2924.34	3	3176.79	3	3429.24	3	3656.66
1/4	1919.22	1/4	2172.16	1/4	2424.71	1/4	2677.15	1/4	2929.60	1/4	3182.05	1/4	3434.50	1/4	3659.14
1/2	1924.49	1/2	2177.43	1/2	2429.97	1/2	2682.41	1/2	2934.86	1/2	3187.31	1/2	3439.76	1/2	3661.47
3/4	1929.76	3/4	2182.70	3/4	2435.23	3/4	2687.67	3/4	2940.12	3/4	3192.57	3/4	3445.02	3/4	3669.33
4	1935.02	4	2187.97	4	2440.49	4	2692.93	4	2945.38	4	3197.83	4	3450.28	4	3665.70
1/4	1940.29	1/4	2193.24	1/4	2445.75	1/4	2698.19	1/4	2950.64	1/4	3203.09	1/4	3455.54	1/4	3667.59
1/2	1945.56	1/2	2198.50	1/2	2451.00	1/2	2703.45	1/2	2955.90	1/2	3208.35	1/2	3460.80	1/2	3669.33
3/4	1950.83	3/4	2203.77	3/4	2456.26	3/4	2708.71	3/4	2961.16	3/4	3213.61	3/4	3466.06	3/4	3670.93
5	1956.10	5	2209.04	5	2461.52	5	2713.96	5	2966.42	5	3218.87	5	3471.32	5	3672.39
1/4	1961.37	1/4	2214.31	1/4	2466.78	1/4	2719.22	1/4	2971.68	1/4	3224.13	1/4	3476.58	1/4	3673.69
1/2	1966.64	1/2	2219.58	1/2	2472.04	1/2	2724.48	1/2	2976.93	1/2	3229.39	1/2	3481.84	1/2	3674.85
3/4	1971.91	3/4	2224.85	3/4	2477.30	3/4	2729.74	3/4	2982.19	3/4	3234.65	3/4	3487.10	3/4	3675.87
6	1977.18	6	2230.12	6	2482.56	6	2735.00	6	2987.45	6	3239.90	6	3492.36	6	3676.74
1/4	1982.45	1/4	2235.38	1/4	2487.82	1/4	2740.26	1/4	2992.71	1/4	3245.16	1/4	3497.62	1/4	3677.46
1/2	1987.72	1/2	2240.64	1/2	2493.08	1/2	2745.52	1/2	2997.97	1/2	3250.42	1/2	3502.87	1/2	3678.03
3/4	1992.99	3/4	2245.90	3/4	2498.34	3/4	2750.78	3/4	3003.23	3/4	3255.68	3/4	3508.13	3/4	3678.46
7	1998.26	7	2251.16	7	2503.60	7	2756.04	7	3008.49	7	3260.94	7	3513.39	7	3678.74
1/4	2003.53	1/4	2256.42	1/4	2508.85	1/4	2761.30	1/4	3013.75	1/4	3266.20	1/4	3518.65	1/4	3678.88
1/2	2008.80	1/2	2261.68	1/2	2514.11	1/2	2766.56	1/2	3019.01	1/2	3271.46	1/2	3523.91	1/2	3678.94
3/4	2014.07	3/4	2266.94	3/4	2519.37	3/4	2771.82	3/4	3024.27	3/4	3276.72	3/4	3529.17	3/4	
8	2019.34	8	2272.20	8	2524.63	8	2777.08	8	3029.53	8	3281.98	8	3534.43		
1/4	2024.61	1/4	2277.45	1/4	2529.89	1/4	2782.34	1/4	3034.79	1/4	3287.24	1/4	3539.69		
1/2	2029.88	1/2	2282.71	1/2	2535.15	1/2	2787.60	1/2	3040.05	1/2	3292.50	1/2	3544.95		
3/4	2035.15	3/4	2287.97	3/4	2540.41	3/4	2792.86	3/4	3045.31	3/4	3297.76	3/4	3550.21		
9	2040.42	9	2293.23	9	2545.67	9	2798.12	9	3050.57	9	3303.02	9	3555.47		
1/4	2045.69	1/4	2298.49	1/4	2550.93	1/4	2803.37	1/4	3055.83	1/4	3308.28	1/4	3560.73		
1/2	2050.96	1/2	2303.75	1/2	2556.19	1/2	2808.63	1/2	3061.09	1/2	3313.54	1/2	3565.99		
3/4	2056.23	3/4	2309.01	3/4	2561.45	3/4	2813.89	3/4	3066.34	3/4	3318.80	3/4	3571.25		
10	2061.50	10	2314.27	10	2566.70	10	2819.15	10	3071.60	10	3324.06	10	3576.51		
1/4	2066.76	1/4	2319.53	1/4	2571.96	1/4	2824.41	1/4	3076.86	1/4	3329.31	1/4	3581.77		
1/2	2072.03	1/2	2324.79	1/2	2577.22	1/2	2829.67	1/2	3082.12	1/2	3334.57	1/2	3587.03		
3/4	2077.30	3/4	2330.05	3/4	2582.48	3/4	2834.93	3/4	3087.38	3/4	3339.83	3/4	3592.14		
11	2082.57	11	2335.30	11	2587.74	11	2840.19	11	3092.64	11	3345.09	11	3597.10		
1/4	2087.84	1/4	2340.56	1/4	2593.00	1/4	2845.45	1/4	3097.90	1/4	3350.35	1/4	3601.93		
1/2	2093.11	1/2	2345.82	1/2	2598.26	1/2	2850.71	1/2	3103.16	1/2	3355.61	1/2	3606.60		
3/4	2098.38	3/4	2351.08	3/4	2603.52	3/4	2855.97	3/4	3108.42	3/4	3360.87	3/4	3611.13		

Trim Correction	
+12"	1 1/8
+6"	5/8
EVEN	0
-6"	- 5/8
-1' 0"	-1 1/8
-1'-6"	-1 3/4
-2' 0"	-2 1/4
-2'-6"	-2 7/8
-3' 0"	-3 1/2
-3'-6"	-4
-4' 0"	-4 5/8
-4'-6"	-5 1/8
-5' 0"	-5 3/4
-5'-6"	-6 1/4
-6' 0"	-6 7/8

NOTE: GAUGE POINT: TO TOP LIP OF BALL VALVE, ON 18" DECK PIPE.

NOTE: GAUGE POINT LOCATED OFF CENTER OF TANK - APPLY TRIM CORRECTION WHEN NOT ON EVEN KEEL.

REFERENCE GAUGE HEIGHT PORT: 17' 2"

REFERENCE GAUGE HEIGHT STARBOARD: 17' 2"

Calibrated: JF 39828

Calculation: WHF 1/31/2009

Re-Issued: August 6, 2009
For Revised Trim Correction

Intertek Caleb Brett

BARGE GRIFCO 3810

INNAGE TABLE
TANK: 4 P/S

CAPACITIES IN U.S. BARRELS

FOR MANUAL GAUGING AT 10" GAUGE HATCH LOCATED ON DECK NEAR EXPANSION TRUNK

HULL No. 05-5539

IN	0 FT	IN	1 FT	IN	2 FT	IN	3 FT	IN	4 FT	IN	5 FT	IN	6 FT	IN	7 FT
0	0.00	0	85.17	0	335.89	0	587.14	0	839.06	0	1091.81	0	1344.71	0	1597.62
1/4	0.05	1/4	90.27	1/4	341.12	1/4	592.38	1/4	844.31	1/4	1097.08	1/4	1349.98	1/4	1602.89
1/2	0.09	1/2	95.39	1/2	346.36	1/2	597.61	1/2	849.57	1/2	1102.35	1/2	1355.25	1/2	1608.16
3/4	0.14	3/4	100.53	3/4	351.59	3/4	602.85	3/4	854.82	3/4	1107.62	3/4	1360.52	3/4	1613.43
1	0.19	1	105.69	1	356.83	1	608.08	1	860.08	1	1112.89	1	1365.79	1	1618.70
1/4	0.23	1/4	110.86	1/4	362.06	1/4	613.31	1/4	865.33	1/4	1118.16	1/4	1371.06	1/4	1623.97
1/2	0.28	1/2	116.06	1/2	367.30	1/2	618.53	1/2	870.59	1/2	1123.43	1/2	1376.33	1/2	1629.23
3/4	0.33	3/4	121.27	3/4	372.53	3/4	623.76	3/4	875.84	3/4	1128.70	3/4	1381.59	3/4	1634.50
2	0.37	2	126.51	2	377.76	2	628.98	2	881.10	2	1133.97	2	1386.86	2	1639.77
1/4	0.42	1/4	131.74	1/4	383.00	1/4	634.21	1/4	886.36	1/4	1139.23	1/4	1392.13	1/4	1645.04
1/2	0.47	1/2	136.98	1/2	388.23	1/2	639.43	1/2	891.61	1/2	1144.50	1/2	1397.40	1/2	1650.31
3/4	0.51	3/4	142.21	3/4	393.47	3/4	644.65	3/4	896.87	3/4	1149.77	3/4	1402.67	3/4	1655.58
3	0.56	3	147.45	3	398.70	3	649.88	3	902.14	3	1155.04	3	1407.94	3	1660.85
1/4	0.61	1/4	152.68	1/4	403.94	1/4	655.10	1/4	907.41	1/4	1160.31	1/4	1413.21	1/4	1666.12
1/2	0.65	1/2	157.92	1/2	409.17	1/2	660.33	1/2	912.68	1/2	1165.58	1/2	1418.47	1/2	1671.39
3/4	0.70	3/4	163.15	3/4	414.41	3/4	665.55	3/4	917.94	3/4	1170.85	3/4	1423.74	3/4	1676.66
4	0.75	4	168.39	4	419.64	4	670.82	4	923.21	4	1176.12	4	1429.01	4	1681.93
1/4	0.79	1/4	173.62	1/4	424.87	1/4	676.09	1/4	928.48	1/4	1181.38	1/4	1434.28	1/4	1687.19
1/2	0.84	1/2	178.85	1/2	430.11	1/2	681.36	1/2	933.75	1/2	1186.65	1/2	1439.55	1/2	1692.46
3/4	0.89	3/4	184.09	3/4	435.34	3/4	686.63	3/4	939.02	3/4	1191.92	3/4	1444.82	3/4	1697.73
5	0.93	5	189.32	5	440.58	5	691.90	5	944.29	5	1197.19	5	1450.09	5	1703.00
1/4	0.98	1/4	194.56	1/4	445.81	1/4	697.16	1/4	949.56	1/4	1202.46	1/4	1455.35	1/4	1708.27
1/2	1.03	1/2	199.79	1/2	451.05	1/2	702.41	1/2	954.83	1/2	1207.73	1/2	1460.62	1/2	1713.54
3/4	1.07	3/4	205.02	3/4	456.28	3/4	707.67	3/4	960.09	3/4	1213.00	3/4	1465.89	3/4	1718.81
6	1.12	6	210.26	6	461.52	6	712.92	6	965.36	6	1218.27	6	1471.16	6	1724.08
1/4	1.43	1/4	215.49	1/4	466.75	1/4	718.18	1/4	970.63	1/4	1223.53	1/4	1476.43	1/4	1729.35
1/2	2.07	1/2	220.73	1/2	471.99	1/2	723.44	1/2	975.90	1/2	1228.80	1/2	1481.70	1/2	1734.62
3/4	3.03	3/4	225.96	3/4	477.22	3/4	728.69	3/4	981.17	3/4	1234.07	3/4	1486.97	3/4	1739.89
7	4.31	7	231.20	7	482.45	7	733.95	7	986.44	7	1239.34	7	1492.24	7	1745.15
1/4	5.92	1/4	236.43	1/4	487.69	1/4	739.20	1/4	991.71	1/4	1244.61	1/4	1497.51	1/4	1750.42
1/2	7.86	1/2	241.67	1/2	492.92	1/2	744.46	1/2	996.98	1/2	1249.88	1/2	1502.78	1/2	1755.69
3/4	10.13	3/4	246.90	3/4	498.16	3/4	749.71	3/4	1002.25	3/4	1255.15	3/4	1508.04	3/4	1760.96
8	12.73	8	252.14	8	503.39	8	754.97	8	1007.51	8	1260.42	8	1513.31	8	1766.23
1/4	15.66	1/4	257.37	1/4	508.63	1/4	760.22	1/4	1012.78	1/4	1265.69	1/4	1518.58	1/4	1771.50
1/2	18.92	1/2	262.61	1/2	513.86	1/2	765.48	1/2	1018.05	1/2	1270.95	1/2	1523.85	1/2	1776.77
3/4	22.51	3/4	267.84	3/4	519.10	3/4	770.73	3/4	1023.32	3/4	1276.22	3/4	1529.12	3/4	1782.04
9	26.43	9	273.07	9	524.33	9	775.99	9	1028.59	9	1281.49	9	1534.39	9	1787.31
1/4	30.67	1/4	278.31	1/4	529.56	1/4	781.25	1/4	1033.86	1/4	1286.76	1/4	1539.66	1/4	1792.58
1/2	35.25	1/2	283.54	1/2	534.80	1/2	786.50	1/2	1039.13	1/2	1292.03	1/2	1544.93	1/2	1797.85
3/4	40.15	3/4	288.78	3/4	540.03	3/4	791.76	3/4	1044.40	3/4	1297.30	3/4	1550.20	3/4	1803.11
10	45.08	10	294.01	10	545.27	10	797.01	10	1049.66	10	1302.57	10	1555.47	10	1808.38
1/4	50.02	1/4	299.25	1/4	550.50	1/4	802.27	1/4	1054.93	1/4	1307.83	1/4	1560.74	1/4	1813.65
1/2	54.99	1/2	304.48	1/2	555.74	1/2	807.52	1/2	1060.20	1/2	1313.10	1/2	1566.00	1/2	1818.92
3/4	59.97	3/4	309.72	3/4	560.97	3/4	812.78	3/4	1065.47	3/4	1318.37	3/4	1571.27	3/4	1824.19
11	64.97	11	314.95	11	566.21	11	818.03	11	1070.74	11	1323.64	11	1576.54	11	1829.46
1/4	69.99	1/4	320.18	1/4	571.44	1/4	823.29	1/4	1076.01	1/4	1328.91	1/4	1581.81	1/4	1834.73
1/2	75.03	1/2	325.42	1/2	576.68	1/2	828.55	1/2	1081.28	1/2	1334.18	1/2	1587.08	1/2	1840.00
3/4	80.09	3/4	330.65	3/4	581.91	3/4	833.80	3/4	1086.55	3/4	1339.45	3/4	1592.35	3/4	1845.27

NOTE: GAUGE POINT: TO TOP LIP OF 10" GAUGE HATCH, ON EXPANSION TRUNK

NOTE: GAUGE POINT LOCATED AFT END OF TANK - APPLY TRIM CORRECTION WHEN NOT ON EVEN KEEL.

REFERENCE GAUGE HEIGHT PORT: 17' 1 3/4"

REFERENCE GAUGE HEIGHT STARBOARD: 17' 2"

Calibrated: JF 39828

Calculation: WHF 1/31/2009

Re-Issued: August 6, 2009

For Revised Trim Correction

Intertek Caleb Brett

BARGE GRIFCO 3810

INNAGE TABLE
TANK: 4 P/S

CAPACITIES IN U.S. BARRELS

FOR MANUAL GAUGING AT 10" GAUGE HATCH LOCATED ON DECK NEAR EXPANSION TRUNK

HULL No. 05-2538

IN	8 FT	IN	9 FT	IN	10 FT	IN	11 FT	IN	12 FT	IN	13 FT	IN	14 FT	IN	15 FT
0	1850.54	0	2103.45	0	2356.12	0	2608.53	0	2860.96	0	3113.38	0	3365.81	0	3615.16
1/4	1855.81	1/4	2108.72	1/4	2361.38	1/4	2613.79	1/4	2866.22	1/4	3118.64	1/4	3371.07	1/4	3619.40
1/2	1861.07	1/2	2113.99	1/2	2366.64	1/2	2619.05	1/2	2871.47	1/2	3123.90	1/2	3376.33	1/2	3623.49
3/4	1866.34	3/4	2119.26	3/4	2371.89	3/4	2624.31	3/4	2876.73	3/4	3129.16	3/4	3381.59	3/4	3627.43
1	1871.61	1	2124.53	1	2377.15	1	2629.57	1	2881.99	1	3134.42	1	3386.85	1	3631.22
1/4	1876.88	1/4	2129.80	1/4	2382.41	1/4	2634.82	1/4	2887.25	1/4	3139.68	1/4	3392.11	1/4	3634.87
1/2	1882.15	1/2	2135.07	1/2	2387.67	1/2	2640.08	1/2	2892.51	1/2	3144.94	1/2	3397.36	1/2	3638.38
3/4	1887.42	3/4	2140.34	3/4	2392.93	3/4	2645.34	3/4	2897.77	3/4	3150.20	3/4	3402.62	3/4	3641.73
2	1892.69	2	2145.61	2	2398.19	2	2650.60	2	2903.03	2	3155.46	2	3407.88	2	3644.94
1/4	1897.96	1/4	2150.88	1/4	2403.45	1/4	2655.86	1/4	2908.29	1/4	3160.71	1/4	3413.14	1/4	3648.00
1/2	1903.23	1/2	2156.14	1/2	2408.70	1/2	2661.12	1/2	2913.55	1/2	3165.97	1/2	3418.40	1/2	3650.92
3/4	1908.50	3/4	2161.41	3/4	2413.96	3/4	2666.38	3/4	2918.80	3/4	3171.23	3/4	3423.66	3/4	3653.69
3	1913.77	3	2166.68	3	2419.22	3	2671.64	3	2924.06	3	3176.49	3	3428.92	3	3656.32
1/4	1919.03	1/4	2171.95	1/4	2424.48	1/4	2676.90	1/4	2929.32	1/4	3181.75	1/4	3434.18	1/4	3658.79
1/2	1924.30	1/2	2177.22	1/2	2429.74	1/2	2682.15	1/2	2934.58	1/2	3187.01	1/2	3439.44	1/2	3661.12
3/4	1929.57	3/4	2182.49	3/4	2435.00	3/4	2687.41	3/4	2939.84	3/4	3192.27	3/4	3444.69	3/4	3668.99
4	1934.84	4	2187.76	4	2440.26	4	2692.67	4	2945.10	4	3197.53	4	3449.95	4	3665.35
1/4	1940.11	1/4	2193.03	1/4	2445.51	1/4	2697.93	1/4	2950.36	1/4	3202.79	1/4	3455.21	1/4	3667.24
1/2	1945.38	1/2	2198.30	1/2	2450.77	1/2	2703.19	1/2	2955.62	1/2	3208.04	1/2	3460.47	1/2	3668.99
3/4	1950.65	3/4	2203.57	3/4	2456.03	3/4	2708.45	3/4	2960.88	3/4	3213.30	3/4	3465.73	3/4	3670.59
5	1955.92	5	2208.84	5	2461.29	5	2713.71	5	2966.14	5	3218.56	5	3470.99	5	3672.04
1/4	1961.19	1/4	2214.10	1/4	2466.55	1/4	2718.97	1/4	2971.39	1/4	3223.82	1/4	3476.25	1/4	3673.35
1/2	1966.46	1/2	2219.37	1/2	2471.81	1/2	2724.23	1/2	2976.65	1/2	3229.08	1/2	3481.51	1/2	3674.51
3/4	1971.73	3/4	2224.64	3/4	2477.07	3/4	2729.48	3/4	2981.91	3/4	3234.34	3/4	3486.77	3/4	3675.52
6	1976.99	6	2229.91	6	2482.32	6	2734.74	6	2987.17	6	3239.60	6	3492.03	6	3676.39
1/4	1982.26	1/4	2235.17	1/4	2487.58	1/4	2740.00	1/4	2992.43	1/4	3244.86	1/4	3497.28	1/4	3677.11
1/2	1987.53	1/2	2240.43	1/2	2492.84	1/2	2745.26	1/2	2997.69	1/2	3250.12	1/2	3502.54	1/2	3677.68
3/4	1992.80	3/4	2245.69	3/4	2498.10	3/4	2750.52	3/4	3002.95	3/4	3255.37	3/4	3507.80	3/4	3678.11
7	1998.07	7	2250.95	7	2503.36	7	2755.78	7	3008.21	7	3260.63	7	3513.06	7	3678.40
1/4	2003.34	1/4	2256.20	1/4	2508.62	1/4	2761.04	1/4	3013.47	1/4	3265.89	1/4	3518.32	1/4	3678.53
1/2	2008.61	1/2	2261.46	1/2	2513.88	1/2	2766.30	1/2	3018.72	1/2	3271.15	1/2	3523.58	1/2	3678.59
3/4	2013.88	3/4	2266.72	3/4	2519.13	3/4	2771.56	3/4	3023.98	3/4	3276.41	3/4	3528.84	3/4	
8	2019.15	8	2271.98	8	2524.39	8	2776.81	8	3029.24	8	3281.67	8	3534.10	Trim Correction	
1/4	2024.42	1/4	2277.24	1/4	2529.65	1/4	2782.07	1/4	3034.50	1/4	3286.93	1/4	3539.36	+12"	1 1/8
1/2	2029.69	1/2	2282.50	1/2	2534.91	1/2	2787.33	1/2	3039.76	1/2	3292.19	1/2	3544.61	+6"	5/8
3/4	2034.95	3/4	2287.76	3/4	2540.17	3/4	2792.59	3/4	3045.02	3/4	3297.45	3/4	3549.87	EVEN	0
9	2040.22	9	2293.01	9	2545.43	9	2797.85	9	3050.28	9	3302.70	9	3555.13	-6"	- 5/8
1/4	2045.49	1/4	2298.27	1/4	2550.69	1/4	2803.11	1/4	3055.54	1/4	3307.96	1/4	3560.39	-1' 0"	-1 1/8
1/2	2050.76	1/2	2303.53	1/2	2555.94	1/2	2808.37	1/2	3060.80	1/2	3313.22	1/2	3565.65	-1'-6"	-1 3/4
3/4	2056.03	3/4	2308.79	3/4	2561.20	3/4	2813.63	3/4	3066.05	3/4	3318.48	3/4	3570.91	-2' 0"	-2 1/4
10	2061.30	10	2314.05	10	2566.46	10	2818.89	10	3071.31	10	3323.74	10	3576.17	-2'-6"	-2 7/8
1/4	2066.57	1/4	2319.31	1/4	2571.72	1/4	2824.14	1/4	3076.57	1/4	3329.00	1/4	3581.43	-3' 0"	-3 1/2
1/2	2071.84	1/2	2324.57	1/2	2576.98	1/2	2829.40	1/2	3081.83	1/2	3334.26	1/2	3586.69	-3'-6"	-4
3/4	2077.11	3/4	2329.82	3/4	2582.24	3/4	2834.66	3/4	3087.09	3/4	3339.52	3/4	3591.80	-4' 0"	-4 5/8
11	2082.38	11	2335.08	11	2587.50	11	2839.92	11	3092.35	11	3344.78	11	3596.76	-4'-6"	-5 1/8
1/4	2087.65	1/4	2340.34	1/4	2592.75	1/4	2845.18	1/4	3097.61	1/4	3350.03	1/4	3601.58	-5' 0"	-5 3/4
1/2	2092.91	1/2	2345.60	1/2	2598.01	1/2	2850.44	1/2	3102.87	1/2	3355.29	1/2	3606.26	-5'-6"	-6 1/4
3/4	2098.18	3/4	2350.86	3/4	2603.27	3/4	2855.70	3/4	3108.13	3/4	3360.55	3/4	3610.78	-6' 0"	-6 7/8

NOTE: GAUGE POINT: TO TOP LIP OF BALL VALVE, ON 19" DECK PIPE.

NOTE: GAUGE POINT LOCATED OFF CENTER OF TANK - APPLY TRIM CORRECTION WHEN NOT ON EVEN KEEL.

REFERENCE GAUGE HEIGHT PORT: 17' 1 3/4"

REFERENCE GAUGE HEIGHT STARBOARD: 17' 2"

Calibrated: JF 39828

Calculation: WHF 1/31/2009

Re-Issued: August 6, 2009

For Revised Trim Correction

Intertek Caleb Brett

BARGE GRIFCO 3810

INNAGE TABLE
TANK: 5 P/S

CAPACITIES IN U.S. BARRELS

FOR MANUAL GAUGING AT 10" GAUGE HATCH LOCATED ON DECK NEAR EXPANSION TRUNK

HULL No. 05-5539

IN	0 FT	IN	1 FT	IN	2 FT	IN	3 FT	IN	4 FT	IN	5 FT	IN	6 FT	IN	7 FT
0	0.00	0	102.51	0	404.79	0	707.72	0	1011.31	0	1315.73	0	1620.29	0	1924.86
1/4	0.05	1/4	108.66	1/4	411.10	1/4	714.04	1/4	1017.64	1/4	1322.08	1/4	1626.64	1/4	1931.21
1/2	0.09	1/2	114.83	1/2	417.41	1/2	720.35	1/2	1023.97	1/2	1328.42	1/2	1632.98	1/2	1937.55
3/4	0.14	3/4	121.02	3/4	423.72	3/4	726.66	3/4	1030.31	3/4	1334.77	3/4	1639.33	3/4	1943.90
1	0.19	1	127.24	1	430.03	1	732.97	1	1036.64	1	1341.11	1	1645.67	1	1950.24
1/4	0.23	1/4	133.48	1/4	436.34	1/4	739.27	1/4	1042.97	1/4	1347.46	1/4	1652.02	1/4	1956.59
1/2	0.28	1/2	139.75	1/2	442.65	1/2	745.57	1/2	1049.30	1/2	1353.80	1/2	1658.36	1/2	1962.93
3/4	0.33	3/4	146.03	3/4	448.97	3/4	751.87	3/4	1055.63	3/4	1360.15	3/4	1664.71	3/4	1969.28
2	0.37	2	152.34	2	455.28	2	758.17	2	1061.97	2	1366.49	2	1671.05	2	1975.63
1/4	0.42	1/4	158.66	1/4	461.59	1/4	764.47	1/4	1068.30	1/4	1372.84	1/4	1677.40	1/4	1981.97
1/2	0.47	1/2	164.97	1/2	467.90	1/2	770.78	1/2	1074.63	1/2	1379.18	1/2	1683.74	1/2	1988.32
3/4	0.51	3/4	171.28	3/4	474.21	3/4	777.08	3/4	1080.96	3/4	1385.53	3/4	1690.09	3/4	1994.66
3	0.56	3	177.59	3	480.52	3	783.38	3	1087.31	3	1391.87	3	1696.43	3	2001.01
1/4	0.61	1/4	183.90	1/4	486.83	1/4	789.68	1/4	1093.65	1/4	1398.22	1/4	1702.78	1/4	2007.35
1/2	0.65	1/2	190.21	1/2	493.14	1/2	795.98	1/2	1100.00	1/2	1404.56	1/2	1709.12	1/2	2013.70
3/4	0.70	3/4	196.52	3/4	499.45	3/4	802.28	3/4	1106.34	3/4	1410.91	3/4	1715.47	3/4	2020.04
4	0.75	4	202.83	4	505.77	4	808.63	4	1112.69	4	1417.25	4	1721.81	4	2026.39
1/4	0.79	1/4	209.14	1/4	512.08	1/4	814.97	1/4	1119.03	1/4	1423.60	1/4	1728.16	1/4	2032.73
1/2	0.84	1/2	215.45	1/2	518.39	1/2	821.32	1/2	1125.38	1/2	1429.94	1/2	1734.50	1/2	2039.08
3/4	0.89	3/4	221.77	3/4	524.70	3/4	827.67	3/4	1131.72	3/4	1436.29	3/4	1740.85	3/4	2045.42
5	0.93	5	228.08	5	531.01	5	834.01	5	1138.07	5	1442.63	5	1747.19	5	2051.77
1/4	0.98	1/4	234.39	1/4	537.32	1/4	840.34	1/4	1144.41	1/4	1448.98	1/4	1753.54	1/4	2058.12
1/2	1.03	1/2	240.70	1/2	543.63	1/2	846.68	1/2	1150.76	1/2	1455.32	1/2	1759.88	1/2	2064.46
3/4	1.07	3/4	247.01	3/4	549.94	3/4	853.01	3/4	1157.11	3/4	1461.67	3/4	1766.23	3/4	2070.81
6	1.12	6	253.32	6	556.26	6	859.34	6	1163.45	6	1468.02	6	1772.57	6	2077.15
1/4	1.50	1/4	259.63	1/4	562.57	1/4	865.67	1/4	1169.80	1/4	1474.36	1/4	1778.92	1/4	2083.50
1/2	2.27	1/2	265.94	1/2	568.88	1/2	872.01	1/2	1176.14	1/2	1480.71	1/2	1785.26	1/2	2089.84
3/4	3.43	3/4	272.25	3/4	575.19	3/4	878.34	3/4	1182.49	3/4	1487.05	3/4	1791.61	3/4	2096.19
7	4.98	7	278.56	7	581.50	7	884.67	7	1188.83	7	1493.40	7	1797.95	7	2102.53
1/4	6.93	1/4	284.87	1/4	587.81	1/4	891.00	1/4	1195.18	1/4	1499.74	1/4	1804.30	1/4	2108.88
1/2	9.27	1/2	291.19	1/2	594.12	1/2	897.33	1/2	1201.52	1/2	1506.09	1/2	1810.65	1/2	2115.22
3/4	12.02	3/4	297.50	3/4	600.43	3/4	903.67	3/4	1207.87	3/4	1512.43	3/4	1816.99	3/4	2121.57
8	15.15	8	303.81	8	606.75	8	910.00	8	1214.21	8	1518.78	8	1823.34	8	2127.92
1/4	18.69	1/4	310.12	1/4	613.06	1/4	916.33	1/4	1220.56	1/4	1525.12	1/4	1829.68	1/4	2134.26
1/2	22.62	1/2	316.43	1/2	619.37	1/2	922.66	1/2	1226.90	1/2	1531.47	1/2	1836.03	1/2	2140.61
3/4	26.95	3/4	322.74	3/4	625.68	3/4	928.99	3/4	1233.25	3/4	1537.81	3/4	1842.37	3/4	2146.95
9	31.67	9	329.05	9	631.99	9	935.33	9	1239.59	9	1544.16	9	1848.72	9	2153.30
1/4	36.79	1/4	335.36	1/4	638.30	1/4	941.66	1/4	1245.94	1/4	1550.50	1/4	1855.06	1/4	2159.64
1/2	42.31	1/2	341.67	1/2	644.61	1/2	947.99	1/2	1252.28	1/2	1556.85	1/2	1861.41	1/2	2165.99
3/4	48.23	3/4	347.99	3/4	650.92	3/4	954.32	3/4	1258.63	3/4	1563.19	3/4	1867.75	3/4	2172.33
10	54.16	10	354.30	10	657.23	10	960.65	10	1264.97	10	1569.54	10	1874.10	10	2178.68
1/4	60.13	1/4	360.61	1/4	663.55	1/4	966.99	1/4	1271.32	1/4	1575.88	1/4	1880.44	1/4	2185.02
1/2	66.11	1/2	366.92	1/2	669.86	1/2	973.32	1/2	1277.66	1/2	1582.23	1/2	1886.79	1/2	2191.37
3/4	72.12	3/4	373.23	3/4	676.17	3/4	979.65	3/4	1284.01	3/4	1588.57	3/4	1893.14	3/4	2197.71
11	78.15	11	379.54	11	682.48	11	985.98	11	1290.35	11	1594.91	11	1899.48	11	2204.06
1/4	84.20	1/4	385.85	1/4	688.79	1/4	992.31	1/4	1296.70	1/4	1601.26	1/4	1905.83	1/4	2210.41
1/2	90.28	1/2	392.16	1/2	695.10	1/2	998.65	1/2	1303.04	1/2	1607.60	1/2	1912.17	1/2	2216.75
3/4	96.38	3/4	398.48	3/4	701.41	3/4	1004.98	3/4	1309.39	3/4	1613.95	3/4	1918.52	3/4	2223.10

NOTE: GAUGE POINT: TO TOP LIP OF 10" GAUGE HATCH, ON EXPANSION TRUNK

NOTE: GAUGE POINT LOCATED FORWARD END OF TANK - APPLY TRIM CORRECTION WHEN NOT ON EVEN KEEL.

REFERENCE GAUGE HEIGHT PORT: 17' 2"

REFERENCE GAUGE HEIGHT STARBOARD: 17' 2"

Calibrated: JF 39828

Calculation: WHF 1/31/2009

Re-Issued: August 6, 2009

For Revised Trim Correction

Intertek Caleb Brett

BARGE GRIFCO 3810

INNAGE TABLE
TANK: 5 P/S

CAPACITIES IN U.S. BARRELS

FOR MANUAL GAUGING AT 10" GAUGE HATCH LOCATED ON DECK NEAR EXPANSION TRUNK

HULL No. 05-2638

IN	8 FT	IN	9 FT	IN	10 FT	IN	11 FT	IN	12 FT	IN	13 FT	IN	14 FT	IN	15 FT
0	2229.44	0	2534.02	0	2838.35	0	3142.42	0	3351.57	0	3402.47	0	3453.37	0	3503.64
1/4	2235.79	1/4	2540.37	1/4	2844.68	1/4	3148.76	1/4	3352.63	1/4	3403.53	1/4	3454.43	1/4	3504.50
1/2	2242.13	1/2	2546.71	1/2	2851.02	1/2	3155.09	1/2	3353.69	1/2	3404.59	1/2	3455.49	1/2	3505.32
3/4	2248.48	3/4	2553.06	3/4	2857.35	3/4	3161.43	3/4	3354.75	3/4	3405.65	3/4	3456.55	3/4	3506.11
1	2254.82	1	2559.40	1	2863.69	1	3167.76	1	3355.81	1	3406.71	1	3457.61	1	3506.87
1/4	2261.17	1/4	2565.75	1/4	2870.02	1/4	3174.10	1/4	3356.87	1/4	3407.77	1/4	3458.67	1/4	3507.61
1/2	2267.51	1/2	2572.09	1/2	2876.36	1/2	3180.43	1/2	3357.93	1/2	3408.83	1/2	3459.73	1/2	3508.31
3/4	2273.86	3/4	2578.44	3/4	2882.69	3/4	3186.77	3/4	3358.99	3/4	3409.89	3/4	3460.79	3/4	3508.98
2	2280.20	2	2584.78	2	2889.03	2	3193.10	2	3360.05	2	3410.95	2	3461.85	2	3509.63
1/4	2286.55	1/4	2591.13	1/4	2895.36	1/4	3199.44	1/4	3361.11	1/4	3412.01	1/4	3462.91	1/4	3510.24
1/2	2292.90	1/2	2597.47	1/2	2901.70	1/2	3205.78	1/2	3362.17	1/2	3413.07	1/2	3463.97	1/2	3510.83
3/4	2299.24	3/4	2603.82	3/4	2908.03	3/4	3212.11	3/4	3363.24	3/4	3414.13	3/4	3465.03	3/4	3511.38
3	2305.59	3	2610.17	3	2914.37	3	3218.45	3	3364.30	3	3415.19	3	3466.09	3	3511.91
1/4	2311.93	1/4	2616.51	1/4	2920.70	1/4	3224.78	1/4	3365.36	1/4	3416.26	1/4	3467.15	1/4	3512.40
1/2	2318.28	1/2	2622.86	1/2	2927.04	1/2	3231.12	1/2	3366.42	1/2	3417.32	1/2	3468.21	1/2	3512.87
3/4	2324.62	3/4	2629.20	3/4	2933.37	3/4	3237.45	3/4	3367.48	3/4	3418.38	3/4	3469.28	3/4	3514.43
4	2330.97	4	2635.55	4	2939.71	4	3243.79	4	3368.54	4	3419.44	4	3470.34	4	3513.71
1/4	2337.31	1/4	2641.89	1/4	2946.04	1/4	3250.12	1/4	3369.60	1/4	3420.50	1/4	3471.40	1/4	3514.08
1/2	2343.66	1/2	2648.24	1/2	2952.38	1/2	3256.46	1/2	3370.66	1/2	3421.56	1/2	3472.46	1/2	3514.43
3/4	2350.00	3/4	2654.58	3/4	2958.71	3/4	3262.79	3/4	3371.72	3/4	3422.62	3/4	3473.52	3/4	3514.75
5	2356.35	5	2660.93	5	2965.05	5	3269.13	5	3372.78	5	3423.68	5	3474.58	5	3515.03
1/4	2362.69	1/4	2667.27	1/4	2971.38	1/4	3275.46	1/4	3373.84	1/4	3424.74	1/4	3475.64	1/4	3515.29
1/2	2369.04	1/2	2673.62	1/2	2977.72	1/2	3281.80	1/2	3374.90	1/2	3425.80	1/2	3476.70	1/2	3515.52
3/4	2375.39	3/4	2679.96	3/4	2984.05	3/4	3288.14	3/4	3375.96	3/4	3426.86	3/4	3477.76	3/4	3515.72
6	2381.73	6	2686.31	6	2990.39	6	3294.47	6	3377.02	6	3427.92	6	3478.82	6	3515.88
1/4	2388.08	1/4	2692.65	1/4	2996.72	1/4	3300.81	1/4	3378.08	1/4	3428.98	1/4	3479.88	1/4	3516.02
1/2	2394.42	1/2	2698.98	1/2	3003.06	1/2	3307.14	1/2	3379.14	1/2	3430.04	1/2	3480.94	1/2	3516.13
3/4	2400.77	3/4	2705.31	3/4	3009.39	3/4	3313.48	3/4	3380.20	3/4	3431.10	3/4	3482.00	3/4	3516.21
7	2407.11	7	2711.65	7	3015.73	7	3319.81	7	3381.26	7	3432.16	7	3483.06	7	3516.26
1/4	2413.46	1/4	2717.98	1/4	3022.06	1/4	3326.15	1/4	3382.32	1/4	3433.22	1/4	3484.12	1/4	3516.28
1/2	2419.80	1/2	2724.32	1/2	3028.39	1/2	3332.48	1/2	3383.38	1/2	3434.28	1/2	3485.18	1/2	
3/4	2426.15	3/4	2730.65	3/4	3034.73	3/4	3333.54	3/4	3384.44	3/4	3435.34	3/4	3486.24	3/4	
8	2432.49	8	2736.99	8	3041.06	8	3334.60	8	3385.50	8	3436.40	8	3487.30		
1/4	2438.84	1/4	2743.32	1/4	3047.40	1/4	3335.66	1/4	3386.56	1/4	3437.46	1/4	3488.36		
1/2	2445.19	1/2	2749.66	1/2	3053.73	1/2	3336.73	1/2	3387.62	1/2	3438.52	1/2	3489.42		
3/4	2451.53	3/4	2755.99	3/4	3060.07	3/4	3337.79	3/4	3388.68	3/4	3439.58	3/4	3490.48		
9	2457.88	9	2762.33	9	3066.40	9	3338.85	9	3389.75	9	3440.64	9	3491.54		
1/4	2464.22	1/4	2768.66	1/4	3072.74	1/4	3339.91	1/4	3390.81	1/4	3441.70	1/4	3492.60		
1/2	2470.57	1/2	2775.00	1/2	3079.07	1/2	3340.97	1/2	3391.87	1/2	3442.77	1/2	3493.66		
3/4	2476.91	3/4	2781.33	3/4	3085.41	3/4	3342.03	3/4	3392.93	3/4	3443.83	3/4	3494.72		
10	2483.26	10	2787.67	10	3091.74	10	3343.09	10	3393.99	10	3444.89	10	3495.79		
1/4	2489.60	1/4	2794.00	1/4	3098.08	1/4	3344.15	1/4	3395.05	1/4	3445.95	1/4	3496.85		
1/2	2495.95	1/2	2800.34	1/2	3104.41	1/2	3345.21	1/2	3396.11	1/2	3447.01	1/2	3497.91		
3/4	2502.29	3/4	2806.67	3/4	3110.75	3/4	3346.27	3/4	3397.17	3/4	3448.07	3/4	3498.94		
11	2508.64	11	2813.01	11	3117.08	11	3347.33	11	3398.23	11	3449.13	11	3499.94		
1/4	2514.98	1/4	2819.34	1/4	3123.42	1/4	3348.39	1/4	3399.29	1/4	3450.19	1/4	3500.91		
1/2	2521.33	1/2	2825.68	1/2	3129.75	1/2	3349.45	1/2	3400.35	1/2	3451.25	1/2	3501.85		
3/4	2527.68	3/4	2832.01	3/4	3136.09	3/4	3350.51	3/4	3401.41	3/4	3452.31	3/4	3502.76		

Trim Correction	
+12"	-1 3/8
+6"	- 3/4
EVEN	0
-6"	3/4
-1' 0"	1 3/8
-1'-6"	2 1/8
-2' 0"	2 3/4
-2'-6"	3 1/2
-3' 0"	4 1/4
-3'-6"	4 7/8
-4' 0"	5 5/8
-4'-6"	6 3/8
-5' 0"	7
-5'-6"	7 3/4
-6' 0"	8 3/8

NOTE: GAUGE POINT: TO TOP LIP OF BALL VALVE, ON 18" DECK PIPE.

NOTE: GAUGE POINT LOCATED FORWARD END OF TANK - APPLY TRIM CORRECTION WHEN NOT ON EVEN KEEL.

REFERENCE GAUGE HEIGHT PORT: 17' 2"

REFERENCE GAUGE HEIGHT STARBOARD: 17' 2"

Calibrated: JF 39828

Calculation: WHF 1/31/2009

Re-Issued: August 6, 2009

For Revised Trim Cortrection