

Intertek
Caleb Brett

BARGE GRIFCO 3810

ULLAGE TABLE TANK: 1 Port

CAPACITIES IN U.S. BARRELS FOR MANUAL GAUGING AT 10" GAUGE HATCH LOCATED ON DECK NEAR EXPANSION TRUNK HULL No. 05-6539

IN	2 FT	IN	3 FT	IN	4 FT	IN	5 FT	IN	6 FT	IN	7 FT	IN	8 FT	IN	9 FT
0	3500.32	0	3299.64	0	3003.95	0	2747.78	0	2480.53	0	2233.27	0	1975.98	0	1718.89
1/4	3496.97	1/4	3284.31	1/4	2998.63	1/4	2742.42	1/4	2485.17	1/4	2227.91	1/4	1970.62	1/4	1713.33
1/2	3493.47	1/2	3268.98	1/2	2993.30	1/2	2737.06	1/2	2479.81	1/2	2222.56	1/2	1965.26	1/2	1707.97
3/4	3489.83	3/4	3253.66	#N/A	2987.97	3/4	2731.70	3/4	2474.45	3/4	2217.19	3/4	1959.90	3/4	1702.61
1	3486.03	1	3238.33	1	2982.65	1	2726.34	1	2469.09	1	2211.83	1	1954.54	1	1697.25
1/4	3482.09	1/4	3233.00	1/4	2977.32	1/4	2720.98	1/4	2463.73	1/4	2206.47	1/4	1949.18	1/4	1691.89
1/2	3478.00	1/2	3227.68	1/2	2971.99	1/2	2715.63	1/2	2458.37	1/2	2201.11	1/2	1943.82	1/2	1686.53
3/4	3473.76	3/4	3222.36	3/4	2966.67	3/4	2710.27	3/4	2453.01	3/4	2195.75	3/4	1938.46	3/4	1681.17
2	3469.37	2	3217.02	2	2961.34	2	2704.91	2	2447.65	2	2190.39	2	1933.10	2	1675.81
1/4	3464.83	1/4	3211.70	1/4	2956.01	1/4	2699.55	1/4	2442.30	1/4	2185.03	1/4	1927.74	1/4	1670.45
1/2	3460.15	1/2	3206.37	1/2	2950.69	1/2	2694.19	1/2	2436.94	1/2	2179.67	1/2	1922.38	1/2	1665.09
3/4	3455.31	3/4	3201.04	3/4	2945.36	3/4	2688.83	3/4	2431.58	3/4	2174.31	3/4	1917.02	3/4	1659.73
3	3450.33	3	3195.72	3	2940.03	3	2683.47	3	2426.22	3	2168.95	3	1911.66	3	1654.37
1/4	3445.19	1/4	3190.39	1/4	2934.71	1/4	2678.11	1/4	2420.86	1/4	2163.58	1/4	1906.30	1/4	1649.01
1/2	3439.91	1/2	3185.06	1/2	2929.38	1/2	2672.75	1/2	2415.50	1/2	2158.22	1/2	1900.94	1/2	1643.65
3/4	3434.63	3/4	3179.74	3/4	2924.05	3/4	2667.39	3/4	2410.14	3/4	2152.86	3/4	1895.57	3/4	1638.29
4	3429.34	4	3174.41	4	2918.73	4	2662.03	4	2404.78	4	2147.50	4	1890.21	4	1632.93
1/4	3424.06	1/4	3169.08	1/4	2913.40	1/4	2656.67	1/4	2399.42	1/4	2142.14	1/4	1884.85	1/4	1627.56
1/2	3418.78	1/2	3163.75	1/2	2908.07	1/2	2651.31	1/2	2394.06	1/2	2136.78	1/2	1879.49	1/2	1622.20
3/4	3413.50	3/4	3158.43	3/4	2902.75	3/4	2646.00	3/4	2388.70	3/4	2131.42	3/4	1874.13	3/4	1616.84
5	3408.21	5	3153.10	5	2897.42	5	2640.69	5	2383.34	5	2126.06	5	1868.77	5	1611.48
1/4	3402.93	1/4	3147.77	1/4	2892.09	1/4	2635.23	1/4	2377.98	1/4	2120.70	1/4	1863.41	1/4	1606.12
1/2	3397.65	1/2	3142.45	1/2	2886.77	1/2	2629.88	1/2	2372.62	1/2	2115.34	1/2	1858.05	1/2	1600.76
3/4	3392.36	3/4	3137.12	3/4	2881.44	3/4	2624.52	3/4	2367.26	3/4	2109.98	3/4	1852.69	3/4	1595.40
6	3387.08	6	3131.79	6	2876.11	6	2619.16	6	2361.91	6	2104.62	6	1847.33	6	1590.04
1/4	3381.80	1/4	3126.47	1/4	2870.79	1/4	2613.80	1/4	2356.55	1/4	2099.26	1/4	1841.97	1/4	1584.68
1/2	3376.52	1/2	3121.14	1/2	2865.46	1/2	2608.44	1/2	2351.19	1/2	2093.90	1/2	1836.61	1/2	1579.32
3/4	3371.23	3/4	3115.81	3/4	2860.13	3/4	2603.08	3/4	2345.83	3/4	2088.54	3/4	1831.25	3/4	1573.96
7	3365.95	7	3110.49	7	2854.81	7	2597.72	7	2340.47	7	2083.18	7	1825.89	7	1568.60
1/4	3360.67	1/4	3105.16	1/4	2849.48	1/4	2592.36	1/4	2335.11	1/4	2077.82	1/4	1820.53	1/4	1563.24
1/2	3355.38	1/2	3099.83	1/2	2844.15	1/2	2587.00	1/2	2329.75	1/2	2072.46	1/2	1815.17	1/2	1557.88
3/4	3350.10	3/4	3094.51	3/4	2838.83	3/4	2581.64	3/4	2324.39	3/4	2067.10	3/4	1809.81	3/4	1552.52
8	3344.82	8	3089.18	8	2833.50	8	2576.28	8	2319.03	8	2061.74	8	1804.45	8	1547.16
1/4	3339.54	1/4	3083.85	1/4	2828.17	1/4	2570.92	1/4	2313.67	1/4	2056.38	1/4	1799.09	1/4	1541.80
1/2	3334.21	1/2	3078.53	1/2	2822.81	1/2	2565.56	1/2	2308.31	1/2	2051.02	1/2	1793.73	1/2	1536.44
3/4	3328.88	3/4	3073.20	3/4	2817.45	3/4	2560.20	3/4	2302.95	3/4	2045.66	3/4	1788.37	3/4	1531.08
9	3323.56	9	3067.87	9	2812.09	9	2554.84	9	2297.59	9	2040.30	9	1783.01	9	1525.72
1/4	3318.23	1/4	3062.55	1/4	2806.74	1/4	2549.48	1/4	2292.23	1/4	2034.94	1/4	1777.65	1/4	1520.36
1/2	3312.90	1/2	3057.22	1/2	2801.38	1/2	2544.12	1/2	2286.87	1/2	2029.58	1/2	1772.29	1/2	1515.00
3/4	3307.58	3/4	3051.89	3/4	2796.02	3/4	2538.77	3/4	2281.51	3/4	2024.22	3/4	1766.93	3/4	1509.64
10	3302.25	10	3046.57	10	2790.66	10	2533.41	10	2276.15	10	2018.86	10	1761.57	10	1504.28
1/4	3296.92	1/4	3041.24	1/4	2785.30	1/4	2528.05	1/4	2270.79	1/4	2013.50	1/4	1756.21	1/4	1498.92
1/2	3291.60	1/2	3035.91	1/2	2779.94	1/2	2522.69	1/2	2265.43	1/2	2008.14	1/2	1750.85	1/2	1493.56
3/4	3286.27	3/4	3030.59	3/4	2774.58	3/4	2517.33	3/4	2260.07	3/4	2002.78	3/4	1745.49	3/4	1488.20
11	3280.94	11	3025.26	11	2769.22	11	2511.97	11	2254.71	11	1997.42	11	1740.13	11	1482.84
1/4	3275.62	1/4	3019.93	1/4	2763.86	1/4	2506.61	1/4	2249.35	1/4	1992.06	1/4	1734.77	1/4	1477.48
1/2	3270.29	1/2	3014.61	1/2	2758.50	1/2	2501.25	1/2	2243.99	1/2	1986.70	1/2	1729.41	1/2	1472.12
3/4	3264.96	3/4	3009.28	3/4	2753.14	3/4	2495.89	3/4	2238.63	3/4	1981.34	3/4	1724.05	3/4	1466.76

NOTE: GAUGE POINT: TO TOP UP OF GAUGE HATCH, ON EXPANSION TRUNK
NOTE: GAUGE POINT LOCATED NEAR AFT OF TANK - TRIM CORRECTION REQUIRED
REFERENCE GAUGE HEIGHT PORT: 17' 1.34"

NOTE: FOR ULLAGES LESS THAN 2' 0" USE ULLAGE TABLE (UULLAGE BY ULLAGE)

Calibrated: JF 1/15/2009
Calculation: WHF 1/31/2009
Re-issued: August 6, 2009
For Revised Trim Correction

Intertek Caleb Brett

CAPACITIES IN U.S. BARRELS

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

HULL No. 05-5539

BARGE GRIFCO 3810

ULLAGE TABLE

TANK: 1 Port

IN	10 FT	IN	11 FT	IN	12 FT	IN	13 FT	IN	14 FT	IN	15 FT	IN	16 FT	IN	17 FT
0	1481.40	0	1204.11	0	947.85	0	690.76	0	439.43	0	229.63	0	64.79	0	0.33
1/4	1456.04	1/4	1198.75	1/4	942.54	1/4	685.40	1/4	434.56	1/4	225.81	1/4	61.78	1/4	0.28
1/2	1445.68	1/2	1193.39	1/2	937.24	1/2	680.04	1/2	429.72	1/2	222.01	1/2	58.80	1/2	0.23
3/4	1445.32	3/4	1188.03	3/4	931.93	3/4	674.68	3/4	424.89	3/4	218.23	3/4	55.83	3/4	0.19
1	1439.96	1	1182.67	1	926.57	1	669.32	1	420.08	1	214.44	1	52.89	1	0.14
1/4	1434.60	1/4	1177.31	1/4	921.21	1/4	663.96	1/4	415.29	1/4	210.68	1/4	49.96	1/4	0.09
1/2	1429.24	1/2	1171.95	1/2	915.86	1/2	658.60	1/2	410.52	1/2	206.94	1/2	47.05	1/2	0.05
3/4	1423.88	3/4	1166.59	3/4	910.50	3/4	653.24	3/4	405.77	3/4	203.21	3/4	44.16	3/4	0.00
2	1418.52	2	1161.23	2	905.14	2	647.88	2	401.04	2	199.41	2	41.30	2	0.00
1/4	1413.16	1/4	1155.87	1/4	899.79	1/4	642.52	1/4	396.33	1/4	195.63	1/4	38.45	1/4	0.00
1/2	1407.80	1/2	1150.51	1/2	894.43	1/2	637.16	1/2	391.63	1/2	191.86	1/2	35.62	1/2	0.00
3/4	1402.44	3/4	1145.15	3/4	889.07	3/4	631.80	3/4	386.96	3/4	188.12	3/4	32.81	3/4	0.00
3	1397.08	3	1139.79	3	883.71	3	626.44	3	382.31	3	184.39	3	30.02	3	0.00
1/4	1391.72	1/4	1134.43	1/4	878.36	1/4	621.08	1/4	377.68	1/4	180.69	1/4	27.24	1/4	0.00
1/2	1386.36	1/2	1129.07	1/2	873.00	1/2	615.72	1/2	373.06	1/2	177.00	1/2	24.49	1/2	0.00
3/4	1381.00	3/4	1123.71	3/4	867.64	3/4	610.36	3/4	368.47	3/4	173.34	3/4	21.76	3/4	0.00
4	1375.64	4	1118.35	4	862.28	4	605.00	4	363.89	4	169.69	4	19.05	4	0.00
1/4	1370.28	1/4	1112.99	1/4	856.92	1/4	599.64	1/4	359.34	1/4	166.06	1/4	16.75	1/4	0.00
1/2	1364.92	1/2	1107.63	1/2	851.56	1/2	594.28	1/2	354.80	1/2	162.45	1/2	14.63	1/2	0.00
3/4	1359.55	3/4	1102.27	3/4	846.20	3/4	588.92	3/4	350.28	3/4	158.86	3/4	12.70	3/4	0.00
5	1354.19	5	1096.91	5	840.84	5	583.56	5	345.78	5	155.29	5	10.95	5	0.00
1/4	1348.83	1/4	1091.54	1/4	835.48	1/4	578.20	1/4	341.30	1/4	151.96	1/4	9.37	1/4	0.00
1/2	1343.47	1/2	1086.18	1/2	830.12	1/2	572.84	1/2	336.84	1/2	148.66	1/2	7.97	1/2	0.00
3/4	1338.11	3/4	1080.82	3/4	824.76	3/4	567.48	3/4	332.40	3/4	145.37	3/4	6.75	3/4	0.00
6	1332.75	6	1075.46	6	819.40	6	562.12	6	327.98	6	142.10	6	5.47	6	0.00
1/4	1327.39	1/4	1070.10	1/4	814.04	1/4	556.78	1/4	323.57	1/4	138.85	1/4	4.37	1/4	0.00
1/2	1322.03	1/2	1064.74	1/2	808.68	1/2	551.42	1/2	319.18	1/2	135.62	1/2	3.42	1/2	0.00
3/4	1316.67	3/4	1059.38	3/4	803.32	3/4	546.16	3/4	314.81	3/4	132.41	3/4	2.65	3/4	0.00
7	1311.31	7	1054.02	7	797.96	7	540.88	7	310.46	7	128.99	7	2.03	7	0.00
1/4	1305.95	1/4	1048.71	1/4	792.60	1/4	535.63	1/4	306.23	1/4	125.60	1/4	1.57	1/4	0.00
1/2	1300.59	1/2	1043.41	1/2	787.24	1/2	530.39	1/2	302.02	1/2	122.22	1/2	1.27	1/2	0.00
3/4	1295.23	3/4	1038.10	3/4	781.88	3/4	525.17	3/4	297.83	3/4	118.87	3/4	1.12	3/4	0.00
8	1289.87	8	1032.79	8	776.52	8	519.97	8	293.66	8	115.53	8	1.07	8	0.00
1/4	1284.51	1/4	1027.48	1/4	771.16	1/4	514.79	1/4	289.50	1/4	112.21	1/4	1.03	1/4	0.00
1/2	1279.15	1/2	1022.17	1/2	765.80	1/2	509.63	1/2	285.37	1/2	108.91	1/2	0.98	1/2	0.00
3/4	1273.79	3/4	1016.86	3/4	760.44	3/4	504.49	3/4	281.26	3/4	105.64	3/4	0.93	3/4	0.00
9	1268.43	9	1011.55	9	755.08	9	499.37	9	277.16	9	102.38	9	0.89	9	0.00
1/4	1263.07	1/4	1006.25	1/4	749.72	1/4	494.27	1/4	273.09	1/4	99.14	1/4	0.84	1/4	0.00
1/2	1257.71	1/2	1000.94	1/2	744.36	1/2	489.18	1/2	269.03	1/2	95.92	1/2	0.79	1/2	0.00
3/4	1252.35	3/4	995.63	3/4	739.00	3/4	484.12	3/4	264.99	3/4	92.72	3/4	0.75	3/4	0.00
10	1246.99	10	990.32	10	733.64	10	479.08	10	260.98	10	89.54	10	0.70	10	0.00
1/4	1241.63	1/4	985.01	1/4	728.28	1/4	474.05	1/4	256.98	1/4	86.37	1/4	0.65	1/4	0.00
1/2	1236.27	1/2	979.70	1/2	722.92	1/2	469.05	1/2	253.00	1/2	83.23	1/2	0.61	1/2	0.00
3/4	1230.91	3/4	974.39	3/4	717.56	3/4	464.06	3/4	249.04	3/4	80.11	3/4	0.56	3/4	0.00
11	1225.55	11	969.09	11	712.20	11	459.10	11	245.10	11	77.01	11	0.51	11	0.00
1/4	1220.19	1/4	963.78	1/4	706.84	1/4	454.15	1/4	241.21	1/4	73.92	1/4	0.47	1/4	0.00
1/2	1214.83	1/2	958.47	1/2	701.48	1/2	449.23	1/2	237.33	1/2	70.86	1/2	0.42	1/2	0.00
3/4	1209.47	3/4	953.16	3/4	696.12	3/4	444.32	3/4	233.47	3/4	67.81	3/4	0.37	3/4	0.00

Trim Correction

+12" -1.18

+9" -7.8

+6" -5.8

+3" -1.4

EVEN 0

-3" 1/4

-6" 5/8

-9" 7/8

-1'0" 1 1/8

-1'3" 1 1/2

-1'6" 1 3/4

-1'9" 2

-2'0" 2 3/8

-2'3" 2 5/8

-2'6" 2 7/8

-2'9" 3 1/4

-3'0" 3 1/2

-3'3" 3 3/4

-3'6" 4 1/8

-3'9" 4 3/8

-4'0" 4 5/8

-4'3" 5

-4'6" 5 1/4

-4'9" 5 1/2

-5'0" 5 7/8

-5'3" 6 1/8

-5'6" 6 3/8

-5'9" 6 3/4

-6'0" 7

-6'3" 7 1/4

-6'6" 7 5/8

-6'9" 7 7/8

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

NOTE: GAUGE POINT LOCATED NEAR AFT OF TANK - TRIM CORRECTION REQUIRED

REFERENCE GAUGE HEIGHT PORT: 17'1 9/16"

NOTE: FOR ULLAGES LESS THAN 2'00" USE ULLAGE TABLE (UULLAGE)

[Signature]

Calibrated: JF 1/15/2009
 Calculation: WHF 1/31/2009
 Re-issued: August 6, 2009
 For Revised Trim Correction

Intertek Caleb Brett

BARGE GRIFCO 3810

ULLAGE TABLE TANK: 1 Stbd

CAPACITIES IN U.S. BARRELS

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

HULL No. 05-539

IN	2 FT		3 FT		4 FT		5 FT		6 FT		7 FT		8 FT		9 FT	
	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	3603.51	0	3284.96	0	3009.28	0	2753.14	0	2496.89	0	2238.63	0	1981.34	0	1724.05	0
1/4	3259.32	1/4	3259.64	1/4	3003.95	1/4	2747.78	1/4	2490.53	1/4	2233.27	1/4	1975.98	1/4	1718.69	1/4
1/2	3496.97	1/2	3254.31	1/2	2998.63	1/2	2742.42	1/2	2485.17	1/2	2227.91	1/2	1970.62	1/2	1713.33	1/2
3/4	3493.47	3/4	3248.98	3/4	2993.30	3/4	2737.06	3/4	2479.81	3/4	2222.55	3/4	1965.26	3/4	1707.97	3/4
1	3489.83	1	3243.66	1	2987.97	1	2731.70	1	2474.45	1	2217.19	1	1959.90	1	1702.61	1
1/4	3486.03	1/4	3238.33	1/4	2982.65	1/4	2726.34	1/4	2469.09	1/4	2211.83	1/4	1954.54	1/4	1697.25	1/4
1/2	3482.09	1/2	3233.00	1/2	2977.32	1/2	2720.98	1/2	2463.73	1/2	2206.47	1/2	1949.18	1/2	1691.89	1/2
3/4	3478.00	3/4	3227.68	3/4	2971.99	3/4	2715.67	3/4	2458.37	3/4	2201.11	3/4	1943.82	3/4	1686.53	3/4
2	3473.76	2	3222.35	2	2966.67	2	2710.23	2	2453.01	2	2195.75	2	1938.46	2	1681.17	2
1/4	3469.37	1/4	3217.02	1/4	2961.34	1/4	2704.91	1/4	2447.66	1/4	2190.39	1/4	1933.10	1/4	1675.81	1/4
1/2	3464.83	1/2	3211.70	1/2	2956.01	1/2	2699.55	1/2	2442.30	1/2	2185.03	1/2	1927.74	1/2	1670.45	1/2
3/4	3460.15	3/4	3206.37	3/4	2950.69	3/4	2694.19	3/4	2436.94	3/4	2179.67	3/4	1922.38	3/4	1665.09	3/4
3	3455.31	3	3201.04	3	2945.36	3	2688.83	3	2431.58	3	2174.31	3	1917.02	3	1659.73	3
1/4	3450.33	1/4	3195.72	1/4	2940.03	1/4	2683.47	1/4	2426.22	1/4	2168.95	1/4	1911.66	1/4	1654.37	1/4
1/2	3445.19	1/2	3190.39	1/2	2934.71	1/2	2678.11	1/2	2420.86	1/2	2163.58	1/2	1906.30	1/2	1649.01	1/2
3/4	3439.91	3/4	3185.06	3/4	2929.38	3/4	2672.75	3/4	2415.50	3/4	2158.22	3/4	1900.94	3/4	1643.65	3/4
4	3434.63	4	3179.74	4	2924.05	4	2667.39	4	2410.14	4	2152.86	4	1895.57	4	1638.29	4
1/4	3429.34	1/4	3174.41	1/4	2918.73	1/4	2662.03	1/4	2404.78	1/4	2147.50	1/4	1890.21	1/4	1632.93	1/4
1/2	3424.06	1/2	3169.08	1/2	2913.40	1/2	2656.67	1/2	2399.42	1/2	2142.14	1/2	1884.85	1/2	1627.56	1/2
3/4	3418.78	3/4	3163.75	3/4	2908.07	3/4	2651.31	3/4	2394.06	3/4	2136.78	3/4	1879.49	3/4	1622.20	3/4
5	3413.50	5	3158.43	5	2902.75	5	2645.95	5	2388.70	5	2131.42	5	1874.13	5	1616.84	5
1/4	3408.21	1/4	3153.10	1/4	2897.42	1/4	2640.59	1/4	2383.34	1/4	2126.06	1/4	1868.77	1/4	1611.48	1/4
1/2	3402.93	1/2	3147.77	1/2	2892.09	1/2	2635.23	1/2	2377.98	1/2	2120.70	1/2	1863.41	1/2	1606.12	1/2
3/4	3397.65	3/4	3142.45	3/4	2886.77	3/4	2629.88	3/4	2372.62	3/4	2115.34	3/4	1858.05	3/4	1600.76	3/4
6	3392.36	6	3137.12	6	2881.44	6	2624.52	6	2367.26	6	2109.98	6	1852.69	6	1595.40	6
1/4	3387.08	1/4	3131.79	1/4	2876.11	1/4	2619.16	1/4	2361.91	1/4	2104.62	1/4	1847.33	1/4	1590.04	1/4
1/2	3381.80	1/2	3126.47	1/2	2870.79	1/2	2613.80	1/2	2356.55	1/2	2099.26	1/2	1841.97	1/2	1584.68	1/2
3/4	3376.52	3/4	3121.14	3/4	2865.46	3/4	2608.44	3/4	2351.19	3/4	2093.90	3/4	1836.61	3/4	1579.32	3/4
7	3371.23	7	3115.81	7	2860.13	7	2603.08	7	2345.83	7	2088.54	7	1831.25	7	1573.96	7
1/4	3365.95	1/4	3110.49	1/4	2854.81	1/4	2597.72	1/4	2340.47	1/4	2083.18	1/4	1825.89	1/4	1568.60	1/4
1/2	3360.67	1/2	3105.16	1/2	2849.48	1/2	2592.36	1/2	2335.11	1/2	2077.82	1/2	1820.53	1/2	1563.24	1/2
3/4	3355.38	3/4	3099.83	3/4	2844.15	3/4	2587.00	3/4	2329.75	3/4	2072.46	3/4	1815.17	3/4	1557.88	3/4
8	3350.10	8	3094.51	8	2838.83	8	2581.64	8	2324.39	8	2067.10	8	1809.81	8	1552.52	8
1/4	3344.82	1/4	3089.18	1/4	2833.50	1/4	2576.28	1/4	2319.03	1/4	2061.74	1/4	1804.45	1/4	1547.16	1/4
1/2	3339.54	1/2	3083.85	1/2	2828.17	1/2	2570.92	1/2	2313.67	1/2	2056.38	1/2	1799.09	1/2	1541.80	1/2
3/4	3334.21	3/4	3078.53	3/4	2822.81	3/4	2565.56	3/4	2308.31	3/4	2051.02	3/4	1793.73	3/4	1536.44	3/4
9	3328.88	9	3073.20	9	2817.45	9	2560.20	9	2302.95	9	2045.66	9	1788.37	9	1531.08	9
1/4	3323.56	1/4	3067.87	1/4	2812.09	1/4	2554.84	1/4	2297.59	1/4	2040.30	1/4	1783.01	1/4	1525.72	1/4
1/2	3318.23	1/2	3062.55	1/2	2806.74	1/2	2549.48	1/2	2292.23	1/2	2034.94	1/2	1777.65	1/2	1520.36	1/2
3/4	3312.90	3/4	3057.22	3/4	2801.38	3/4	2544.12	3/4	2286.87	3/4	2029.58	3/4	1772.29	3/4	1515.00	3/4
10	3307.58	10	3051.89	10	2796.02	10	2538.77	10	2281.51	10	2024.22	10	1766.93	10	1509.64	10
1/4	3302.25	1/4	3046.57	1/4	2790.66	1/4	2533.41	1/4	2276.15	1/4	2018.86	1/4	1761.57	1/4	1504.28	1/4
1/2	3296.92	1/2	3041.24	1/2	2785.30	1/2	2528.05	1/2	2270.79	1/2	2013.50	1/2	1756.21	1/2	1498.92	1/2
3/4	3291.60	3/4	3035.91	3/4	2779.94	3/4	2522.69	3/4	2265.43	3/4	2008.14	3/4	1750.85	3/4	1493.56	3/4
11	3286.27	11	3030.59	11	2774.58	11	2517.33	11	2260.07	11	2002.78	11	1745.49	11	1488.20	11
1/4	3280.94	1/4	3025.26	1/4	2769.22	1/4	2511.97	1/4	2254.71	1/4	1997.42	1/4	1740.13	1/4	1482.84	1/4
1/2	3275.62	1/2	3019.93	1/2	2763.86	1/2	2506.61	1/2	2249.35	1/2	1992.06	1/2	1734.77	1/2	1477.48	1/2
3/4	3270.29	3/4	3014.61	3/4	2758.50	3/4	2501.25	3/4	2243.99	3/4	1986.70	3/4	1729.41	3/4	1472.12	3/4

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

NOTE: GAUGE POINT LOCATED NEAR AFT OF TANK - TRIM CORRECTION REQUIRED

NOTE: FOR ULLAGES LESS THAN 2' USE ULLAGE TABLE (ULLAGE BY ULLAGE)

Calibrated: JF 1/15/2009

Calculation: WHF 1/31/2009

Re-issued: August 6, 2009

For Revised Trim Correction

ULLAGE TABLE
TANK: 1 Stbd

CAPACITIES IN U.S. BARRELS FOR MANUAL GAUGING AT 10" GAUGE HATCH LOCATED ON DECK NEAR EXPANSION TRUNK HULL No. 05-5539

IN	10 FT	IN	11 FT	IN	12 FT	IN	13 FT	IN	14 FT	IN	15 FT	IN	16 FT	IN	17 FT
0	1466.76	0	1209.47	0	963.16	0	696.12	0	444.32	0	233.47	0	67.81	0	0.37
1/4	1461.40	1/4	1204.11	1/4	947.84	1/4	690.70	1/4	439.44	1/4	229.63	1/4	64.79	1/4	0.33
1/2	1456.04	1/2	1198.75	1/2	942.55	1/2	685.40	1/2	434.56	1/2	225.81	1/2	61.78	1/2	0.28
3/4	1450.68	3/4	1193.39	3/4	937.24	3/4	680.04	3/4	429.72	3/4	222.01	3/4	58.80	3/4	0.23
1	1445.32	1	1188.03	1	931.93	1	674.68	1	424.89	1	218.23	1	55.83	1	0.19
1/4	1439.96	1/4	1182.67	1/4	926.57	1/4	669.32	1/4	420.08	1/4	214.44	1/4	52.89	1/4	0.14
1/2	1434.60	1/2	1177.31	1/2	921.21	1/2	663.96	1/2	415.29	1/2	210.68	1/2	49.96	1/2	0.09
3/4	1429.24	3/4	1171.95	3/4	915.86	3/4	658.60	3/4	410.52	3/4	206.94	3/4	47.05	3/4	0.05
2	1423.88	2	1166.59	2	910.50	2	653.24	2	405.77	2	203.21	2	44.16	2	0.00
1/4	1418.52	1/4	1161.23	1/4	905.14	1/4	647.88	1/4	401.04	1/4	199.41	1/4	41.30	1/4	
1/2	1413.16	1/2	1155.87	1/2	899.79	1/2	642.52	1/2	396.33	1/2	195.63	1/2	38.45	1/2	
3/4	1407.80	3/4	1150.51	3/4	894.43	3/4	637.16	3/4	391.63	3/4	191.86	3/4	35.62	3/4	
3	1402.44	3	1145.15	3	889.07	3	631.80	3	386.96	3	188.12	3	32.81	3	
1/4	1397.08	1/4	1139.79	1/4	883.71	1/4	626.44	1/4	382.31	1/4	184.39	1/4	30.02	1/4	
1/2	1391.72	1/2	1134.43	1/2	878.36	1/2	621.08	1/2	377.68	1/2	180.69	1/2	27.24	1/2	
3/4	1386.36	3/4	1129.07	3/4	873.00	3/4	615.72	3/4	373.06	3/4	177.00	3/4	24.49	3/4	
4	1381.00	4	1123.71	4	867.64	4	610.36	4	368.47	4	173.34	4	21.76	4	
1/4	1375.64	1/4	1118.35	1/4	862.28	1/4	605.00	1/4	363.89	1/4	169.69	1/4	19.06	1/4	
1/2	1370.28	1/2	1112.99	1/2	856.92	1/2	599.64	1/2	359.34	1/2	166.06	1/2	16.75	1/2	
3/4	1364.92	3/4	1107.63	3/4	851.56	3/4	594.28	3/4	354.80	3/4	162.45	3/4	14.63	3/4	
5	1359.55	5	1102.27	5	846.20	5	588.92	5	350.28	5	158.86	5	12.70	5	
1/4	1354.19	1/4	1096.91	1/4	840.84	1/4	583.56	1/4	345.78	1/4	155.29	1/4	10.96	1/4	
1/2	1348.83	1/2	1091.54	1/2	835.48	1/2	578.20	1/2	341.30	1/2	151.96	1/2	9.37	1/2	
3/4	1343.47	3/4	1086.18	3/4	830.12	3/4	572.84	3/4	336.84	3/4	148.66	3/4	7.97	3/4	
6	1338.11	6	1080.82	6	824.76	6	567.48	6	332.40	6	145.37	6	6.75	6	
1/4	1332.75	1/4	1075.46	1/4	819.40	1/4	562.12	1/4	327.98	1/4	142.10	1/4	5.47	1/4	
1/2	1327.39	1/2	1070.10	1/2	814.04	1/2	556.78	1/2	323.57	1/2	138.85	1/2	4.37	1/2	
3/4	1322.03	3/4	1064.74	3/4	808.68	3/4	551.46	3/4	319.18	3/4	135.62	3/4	3.42	3/4	
7	1316.67	7	1059.38	7	803.32	7	546.16	7	314.81	7	132.41	7	2.65	7	
1/4	1311.31	1/4	1054.02	1/4	797.96	1/4	540.88	1/4	310.46	1/4	128.99	1/4	2.03	1/4	
1/2	1305.95	1/2	1048.71	1/2	792.60	1/2	535.63	1/2	306.23	1/2	125.60	1/2	1.57	1/2	
3/4	1300.59	3/4	1043.41	3/4	787.24	3/4	530.39	3/4	302.02	3/4	122.22	3/4	1.27	3/4	
8	1295.23	8	1038.10	8	781.88	8	525.17	8	297.83	8	118.87	8	1.12	8	
1/4	1289.87	1/4	1032.79	1/4	776.52	1/4	519.97	1/4	293.66	1/4	115.53	1/4	1.07	1/4	
1/2	1284.51	1/2	1027.48	1/2	771.16	1/2	514.79	1/2	289.50	1/2	112.21	1/2	1.03	1/2	
3/4	1279.15	3/4	1022.17	3/4	765.80	3/4	509.63	3/4	285.37	3/4	108.91	3/4	0.98	3/4	
9	1273.79	9	1016.86	9	760.44	9	504.49	9	281.26	9	105.64	9	0.93	9	
1/4	1268.43	1/4	1011.55	1/4	755.08	1/4	499.37	1/4	277.16	1/4	102.38	1/4	0.89	1/4	
1/2	1263.07	1/2	1006.25	1/2	749.72	1/2	494.27	1/2	273.09	1/2	99.14	1/2	0.84	1/2	
3/4	1257.71	3/4	1000.94	3/4	744.36	3/4	489.18	3/4	269.03	3/4	95.92	3/4	0.79	3/4	
10	1252.35	10	995.63	10	739.00	10	484.12	10	264.99	10	92.72	10	0.75	10	
1/4	1246.99	1/4	990.32	1/4	733.64	1/4	479.08	1/4	260.98	1/4	89.54	1/4	0.70	1/4	
1/2	1241.63	1/2	985.01	1/2	728.28	1/2	474.05	1/2	256.98	1/2	86.37	1/2	0.65	1/2	
3/4	1236.27	3/4	979.70	3/4	722.92	3/4	469.05	3/4	253.00	3/4	83.23	3/4	0.61	3/4	
11	1230.91	11	974.39	11	717.56	11	464.05	11	249.04	11	80.11	11	0.56	11	
1/4	1225.55	1/4	969.09	1/4	712.20	1/4	459.10	1/4	245.10	1/4	77.01	1/4	0.51	1/4	
1/2	1220.19	1/2	963.78	1/2	706.84	1/2	454.15	1/2	241.21	1/2	73.92	1/2	0.47	1/2	
3/4	1214.83	3/4	958.47	3/4	701.48	3/4	449.23	3/4	237.33	3/4	70.86	3/4	0.42	3/4	

Trim Correction

+12" -1 1/8

+9" -7/8

+6" -5/8

+3" -1/4

EVEN 0

-3" 1/4

-6" 5/8

-9" 7/8

-1'0" 1 1/8

-1'3" 1 1/2

-1'6" 1 3/4

-1'9" 2

-2'0" 2 3/8

-2'3" 2 5/8

-2'6" 2 7/8

-2'9" 3 1/4

-3'0" 3 1/2

-3'3" 3 3/4

-3'6" 4 1/8

-3'9" 4 3/8

-4'0" 4 5/8

-4'3" 5

-4'6" 5 1/4

-4'9" 5 1/2

-5'0" 5 7/8

-5'3" 6 1/8

-5'6" 6 3/8

-5'9" 6 3/4

-6'0" 7

-6'3" 7 1/4

-6'6" 7 5/8

-6'9" 7 7/8

NOTE: GAUGE POINT: TO TOP UP OF 10" GAUGE HATCH, ON EXPANSION TRUNK
NOTE: GAUGE POINT LOCATED NEAR AFT OF TANK - TRIM CORRECTION REQUIRED.
REFERENCE GAUGE HEIGHT STABOARD, 17' 2"
NOTE: FOR ULLAGES LESS THAN 2' 0" USE INNAUGE TABLE (INNAUGE BY ULLAGE)

Calculated: JF 1/15/2009
Revised: WHF 1/31/2009
August 9, 2009
For Revised Trim Correction

Intertek
Caleb Brett

ULLAGE TABLE
TANK: 2 Port

CAPACITIES IN U.S. BARRELS FOR MANUAL GAUGING AT 10" GAUGE HATCH LOCATED ON DECK NEAR EXPANSION TRUNK HULL No. 05-5539

IN	2 FT		3 FT		4 FT		5 FT		6 FT		7 FT		8 FT		9 FT	
	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	3647.92	0	3410.67	0	3158.04	0	2905.40	0	2652.77	0	2400.15	0	2147.36	0	1894.24	0
1/4	3644.71	1/4	3405.41	1/4	3152.72	1/4	2900.14	1/4	2647.51	1/4	2394.88	1/4	2142.09	1/4	1888.96	1/4
1/2	3641.35	1/2	3400.14	1/2	3147.51	1/2	2894.88	1/2	2642.24	1/2	2389.62	1/2	2136.81	1/2	1883.69	1/2
3/4	3637.84	3/4	3394.88	3/4	3142.25	3/4	2889.61	3/4	2636.98	3/4	2384.36	3/4	2131.54	3/4	1878.42	3/4
1	3634.19	1	3389.62	1	3136.98	1	2884.35	1	2631.72	1	2379.10	1	2126.27	1	1873.14	1
1/4	3630.39	1/4	3384.35	1/4	3131.72	1/4	2879.09	1/4	2626.45	1/4	2373.83	1/4	2120.99	1/4	1867.87	1/4
1/2	3626.45	1/2	3379.09	1/2	3126.46	1/2	2873.82	1/2	2621.19	1/2	2368.57	1/2	2115.72	1/2	1862.60	1/2
3/4	3622.36	3/4	3373.83	3/4	3121.19	3/4	2868.56	3/4	2615.93	3/4	2363.31	3/4	2110.45	3/4	1857.32	3/4
2	3618.12	2	3368.56	2	3115.93	2	2863.30	2	2610.66	2	2358.04	2	2105.17	2	1852.06	2
1/4	3613.74	1/4	3363.30	1/4	3110.67	1/4	2858.03	1/4	2605.40	1/4	2352.78	1/4	2099.90	1/4	1846.78	1/4
1/2	3609.21	1/2	3358.04	1/2	3105.40	1/2	2852.77	1/2	2600.14	1/2	2347.52	1/2	2094.63	1/2	1841.50	1/2
3/4	3604.53	3/4	3352.77	3/4	3100.14	3/4	2847.51	3/4	2594.87	3/4	2342.26	3/4	2089.35	3/4	1836.23	3/4
3	3599.70	3	3347.51	3	3094.88	3	2842.24	3	2589.61	3	2336.99	3	2084.08	3	1830.96	3
1/4	3594.73	1/4	3342.25	1/4	3089.61	1/4	2836.98	1/4	2584.35	1/4	2331.73	1/4	2078.81	1/4	1825.68	1/4
1/2	3589.62	1/2	3336.98	1/2	3084.35	1/2	2831.72	1/2	2579.09	1/2	2326.47	1/2	2073.53	1/2	1820.41	1/2
3/4	3584.35	3/4	3331.72	3/4	3079.09	3/4	2826.46	3/4	2573.82	3/4	2321.20	3/4	2068.26	3/4	1815.14	3/4
4	3579.09	4	3326.46	4	3073.82	4	2821.19	4	2568.56	4	2315.94	4	2062.99	4	1809.86	4
1/4	3573.83	1/4	3321.19	1/4	3068.56	1/4	2815.93	1/4	2563.30	1/4	2310.68	1/4	2057.71	1/4	1804.59	1/4
1/2	3568.57	1/2	3315.93	1/2	3063.30	1/2	2810.66	1/2	2558.03	1/2	2305.42	1/2	2052.44	1/2	1799.32	1/2
3/4	3563.30	3/4	3310.67	3/4	3058.03	3/4	2805.40	3/4	2552.77	3/4	2300.15	3/4	2047.17	3/4	1794.04	3/4
5	3558.04	5	3305.41	5	3052.77	5	2800.14	5	2547.51	5	2294.89	5	2041.89	5	1788.77	5
1/4	3552.78	1/4	3300.14	1/4	3047.51	1/4	2794.87	1/4	2542.25	1/4	2289.63	1/4	2036.62	1/4	1783.50	1/4
1/2	3547.51	1/2	3294.88	1/2	3042.25	1/2	2789.61	1/2	2536.98	1/2	2284.36	1/2	2031.35	1/2	1778.22	1/2
3/4	3542.25	3/4	3289.62	3/4	3036.98	3/4	2784.35	3/4	2531.72	3/4	2279.10	3/4	2026.07	3/4	1772.96	3/4
6	3536.99	6	3284.35	6	3031.72	6	2779.09	6	2526.46	6	2273.84	6	2020.80	6	1767.68	6
1/4	3531.72	1/4	3279.09	1/4	3026.46	1/4	2773.82	1/4	2521.19	1/4	2268.58	1/4	2015.53	1/4	1762.40	1/4
1/2	3526.46	1/2	3273.83	1/2	3021.19	1/2	2768.56	1/2	2515.93	1/2	2263.31	1/2	2010.25	1/2	1757.13	1/2
3/4	3521.20	3/4	3268.56	3/4	3015.93	3/4	2763.30	3/4	2510.67	3/4	2258.05	3/4	2004.98	3/4	1751.86	3/4
7	3515.93	7	3263.30	7	3010.67	7	2758.03	7	2505.41	7	2252.79	7	1999.71	7	1746.58	7
1/4	3510.67	1/4	3258.04	1/4	3005.40	1/4	2752.77	1/4	2500.14	1/4	2247.52	1/4	1994.43	1/4	1741.31	1/4
1/2	3505.41	1/2	3252.77	1/2	3000.14	1/2	2747.51	1/2	2494.88	1/2	2242.26	1/2	1989.16	1/2	1736.04	1/2
3/4	3500.14	3/4	3247.51	3/4	2994.88	3/4	2742.24	3/4	2489.62	3/4	2237.00	3/4	1983.89	3/4	1730.76	3/4
8	3494.88	8	3242.25	8	2989.61	8	2736.98	8	2484.35	8	2231.73	8	1978.61	8	1725.49	8
1/4	3489.62	1/4	3236.98	1/4	2984.35	1/4	2731.72	1/4	2479.09	1/4	2226.46	1/4	1973.34	1/4	1720.22	1/4
1/2	3484.35	1/2	3231.72	1/2	2979.09	1/2	2726.45	1/2	2473.83	1/2	2221.19	1/2	1968.06	1/2	1714.94	1/2
3/4	3479.09	3/4	3226.46	3/4	2973.82	3/4	2721.19	3/4	2468.57	3/4	2215.91	3/4	1962.79	3/4	1709.67	3/4
9	3473.83	9	3221.19	9	2968.56	9	2715.93	9	2463.30	9	2210.64	9	1957.52	9	1704.39	9
1/4	3468.56	1/4	3215.93	1/4	2963.30	1/4	2710.66	1/4	2458.04	1/4	2205.37	1/4	1952.24	1/4	1699.12	1/4
1/2	3463.30	1/2	3210.67	1/2	2958.03	1/2	2705.40	1/2	2452.78	1/2	2200.09	1/2	1946.97	1/2	1693.85	1/2
3/4	3458.04	3/4	3205.40	3/4	2952.77	3/4	2700.14	3/4	2447.51	3/4	2194.82	3/4	1941.70	3/4	1688.57	3/4
10	3452.77	10	3200.14	10	2947.51	10	2694.87	10	2442.25	10	2189.55	10	1936.42	10	1683.30	10
1/4	3447.51	1/4	3194.88	1/4	2942.24	1/4	2689.61	1/4	2436.99	1/4	2184.27	1/4	1931.15	1/4	1678.03	1/4
1/2	3442.25	1/2	3189.61	1/2	2936.98	1/2	2684.35	1/2	2431.73	1/2	2179.00	1/2	1925.88	1/2	1672.75	1/2
3/4	3436.99	3/4	3184.35	3/4	2931.72	3/4	2679.08	3/4	2426.46	3/4	2173.73	3/4	1920.60	3/4	1667.48	3/4
11	3431.72	11	3179.09	11	2926.45	11	2673.82	11	2421.20	11	2168.45	11	1915.33	11	1662.21	11
1/4	3426.46	1/4	3173.83	1/4	2921.19	1/4	2668.56	1/4	2415.94	1/4	2163.18	1/4	1910.06	1/4	1656.93	1/4
1/2	3421.20	1/2	3168.56	1/2	2915.93	1/2	2663.29	1/2	2410.67	1/2	2157.91	1/2	1904.78	1/2	1651.66	1/2
3/4	3415.93	3/4	3163.30	3/4	2910.67	3/4	2658.03	3/4	2405.41	3/4	2152.63	3/4	1899.51	3/4	1646.39	3/4

NOTE: GAUGE POINT: TO TOP OF 10" GAUGE HATCH, ON EXPANSION TRUNK
NOTE: GAUGE POINT LOCATED NEAR AFT OF TANK - TRIM CORRECTION REQUIRED
REFERENCE GAUGE HEIGHT PORT: 17" Z
NOTE: FOR ULLAGES LESS THAN 2' USE INNAKE TABLE (INNAKE BY ULLAGE)

Callibrated: JF 1/15/2009
Calculation: WHF 1/31/2009
Re-issued: August 6, 2009
For Revised Trim Correction

BARGE GRIFCO 3810

ULLAGE TABLE TANK: 2 Port

CAPACITIES IN U.S. BARRELS

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

HULL No. 05-539

IN	10 FT		11 FT		12 FT		13 FT		14 FT		15 FT		16 FT		17 FT	
	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	1641.11	0	1388.00	0	1134.89	0	881.82	0	629.50	0	378.07	0	126.61	0	0.37	
1/4	1635.84	1/4	1382.73	1/4	1129.62	1/4	876.56	1/4	624.27	1/4	372.83	1/4	121.37	1/4	0.33	
1/2	1630.57	1/2	1377.46	1/2	1124.35	1/2	871.30	1/2	619.04	1/2	367.60	1/2	116.16	1/2	0.28	
3/4	1625.29	3/4	1372.18	3/4	1119.07	3/4	866.04	3/4	613.81	3/4	362.36	3/4	110.96	3/4	0.23	
1	1620.02	1	1366.91	1	1113.80	1	860.78	1	608.58	1	357.12	1	105.77	1	0.19	
1/4	1614.75	1/4	1361.63	1/4	1108.53	1/4	855.52	1/4	603.34	1/4	351.88	1/4	100.61	1/4	0.14	
1/2	1609.47	1/2	1356.36	1/2	1103.26	1/2	850.26	1/2	598.10	1/2	346.64	1/2	95.47	1/2	0.09	
3/4	1604.20	3/4	1351.09	3/4	1097.98	3/4	845.00	3/4	592.86	3/4	341.40	3/4	90.35	3/4	0.05	
2	1598.93	2	1345.82	2	1092.71	2	839.74	2	587.63	2	336.16	2	85.24	2	0.00	
1/4	1593.65	1/4	1340.54	1/4	1087.44	1/4	834.48	1/4	582.39	1/4	330.92	1/4	80.16	1/4		
1/2	1588.38	1/2	1335.27	1/2	1082.16	1/2	829.22	1/2	577.15	1/2	325.69	1/2	75.09	1/2		
3/4	1583.11	3/4	1330.00	3/4	1076.89	3/4	823.97	3/4	571.91	3/4	320.45	3/4	70.05	3/4		
3	1577.83	3	1324.72	3	1071.62	3	818.71	3	566.67	3	315.21	3	65.02	3		
1/4	1572.56	1/4	1319.45	1/4	1066.34	1/4	813.45	1/4	561.43	1/4	309.97	1/4	60.02	1/4		
1/2	1567.29	1/2	1314.18	1/2	1061.07	1/2	808.19	1/2	556.19	1/2	304.73	1/2	55.03	1/2		
3/4	1562.01	3/4	1308.90	3/4	1055.80	3/4	802.93	3/4	550.95	3/4	299.49	3/4	50.06	3/4		
4	1556.74	4	1303.63	4	1050.52	4	797.67	4	545.72	4	294.25	4	45.11	4		
1/4	1551.47	1/4	1298.36	1/4	1045.25	1/4	792.41	1/4	540.48	1/4	289.01	1/4	40.19	1/4		
1/2	1546.19	1/2	1293.09	1/2	1039.98	1/2	787.15	1/2	535.24	1/2	283.78	1/2	35.28	1/2		
3/4	1540.92	3/4	1287.81	3/4	1034.71	3/4	781.89	3/4	530.00	3/4	278.54	3/4	30.70	3/4		
5	1535.65	5	1282.54	5	1029.43	5	776.63	5	524.76	5	273.30	5	26.45	5		
1/4	1530.37	1/4	1277.27	1/4	1024.16	1/4	771.37	1/4	519.52	1/4	268.06	1/4	22.53	1/4		
1/2	1525.10	1/2	1271.99	1/2	1018.89	1/2	766.11	1/2	514.28	1/2	262.82	1/2	18.93	1/2		
3/4	1519.83	3/4	1266.72	3/4	1013.61	3/4	760.86	3/4	509.04	3/4	257.58	3/4	15.67	3/4		
6	1514.56	6	1261.45	6	1008.34	6	755.59	6	503.81	6	252.34	6	12.74	6		
1/4	1509.28	1/4	1256.18	1/4	1003.07	1/4	750.33	1/4	498.57	1/4	247.10	1/4	10.14	1/4		
1/2	1504.01	1/2	1250.90	1/2	997.79	1/2	745.07	1/2	493.33	1/2	241.86	1/2	7.87	1/2		
3/4	1498.73	3/4	1245.63	3/4	992.52	3/4	739.81	3/4	488.09	3/4	236.63	3/4	5.92	3/4		
7	1493.46	7	1240.36	7	987.25	7	734.55	7	482.85	7	231.39	7	4.31	7		
1/4	1488.19	1/4	1235.08	1/4	981.97	1/4	729.29	1/4	477.61	1/4	226.15	1/4	3.03	1/4		
1/2	1482.91	1/2	1229.81	1/2	976.70	1/2	724.03	1/2	472.37	1/2	220.91	1/2	2.07	1/2		
3/4	1477.64	3/4	1224.54	3/4	971.43	3/4	718.77	3/4	467.13	3/4	215.67	3/4	1.43	3/4		
8	1472.37	8	1219.26	8	966.15	8	713.51	8	461.89	8	210.43	8	1.12	8		
1/4	1467.09	1/4	1213.99	1/4	960.88	1/4	708.25	1/4	456.66	1/4	205.19	1/4	1.07	1/4		
1/2	1461.82	1/2	1208.72	1/2	955.61	1/2	702.99	1/2	451.42	1/2	199.95	1/2	1.03	1/2		
3/4	1456.55	3/4	1203.44	3/4	950.34	3/4	697.73	3/4	446.18	3/4	194.72	3/4	0.98	3/4		
9	1451.27	9	1198.17	9	945.06	9	692.47	9	440.94	9	189.48	9	0.93	9		
1/4	1446.00	1/4	1192.90	1/4	939.79	1/4	687.19	1/4	435.70	1/4	184.24	1/4	0.88	1/4		
1/2	1440.73	1/2	1187.63	1/2	934.52	1/2	681.92	1/2	430.46	1/2	179.00	1/2	0.84	1/2		
3/4	1435.46	3/4	1182.35	3/4	929.24	3/4	676.65	3/4	425.22	3/4	173.76	3/4	0.79	3/4		
10	1430.18	10	1177.08	10	923.97	10	671.37	10	419.98	10	168.52	10	0.75	10		
1/4	1424.91	1/4	1171.81	1/4	918.70	1/4	666.10	1/4	414.75	1/4	163.29	1/4	0.70	1/4		
1/2	1419.64	1/2	1166.53	1/2	913.42	1/2	660.87	1/2	409.51	1/2	158.05	1/2	0.66	1/2		
3/4	1414.36	3/4	1161.26	3/4	908.15	3/4	655.64	3/4	404.27	3/4	152.81	3/4	0.61	3/4		
11	1409.09	11	1155.99	11	902.88	11	650.41	11	399.03	11	147.57	11	0.56	11		
1/4	1403.82	1/4	1150.71	1/4	897.60	1/4	645.18	1/4	393.79	1/4	142.33	1/4	0.51	1/4		
1/2	1398.54	1/2	1145.44	1/2	892.34	1/2	639.95	1/2	388.55	1/2	137.09	1/2	0.47	1/2		
3/4	1393.27	3/4	1140.17	3/4	887.08	3/4	634.73	3/4	383.31	3/4	131.85	3/4	0.42	3/4		

Trim Correction	IN	17 FT
+12"	0	
+9"	-1/8	
+6"	-5/8	
+3"	-1/4	
EVEN	0	
-3"	1/4	
-6"	5/8	
-9"	7/8	
-10"	1 1/8	
-13"	1 3/8	
-16"	1 3/4	
-19"	2	
-20"	2 1/4	
-23"	2 5/8	
-26"	2 7/8	
-29"	3 1/8	
-30"	3 1/2	
-33"	3 3/4	
-36"	4	
-39"	4 1/4	
-40"	4 5/8	
-43"	4 7/8	
-46"	5 1/8	
-49"	5 1/2	
-50"	5 3/4	
-53"	6	
-56"	6 1/4	
-59"	6 5/8	
-60"	6 7/8	
-63"	7 1/8	
-66"	7 1/2	
-69"	7 3/4	

NOTE: GAUGE POINT: TO TOP LIP OF 10" GAUGE HATCH, ON EXPANSION TRUNK.
 NOTE: GAUGE POINT LOCATED NEAR AFT OF TANK - TRIM CORRECTION REQUIRED.
 REFERENCE GAUGE HEIGHT PORT: 17' 2"
 NOTE: FOR ULLAGES LESS THAN 2' 00" USE INNAUGE TABLE (INNAUGE BY ULLAGE)

Calculated: JF 1/15/2008
 Calculation: WHF 1/31/2008
 Re-issued: August 6 2009
 For Revised Trim Correction

Intertek Caleb Brett

BARGE GRIFCO 3810

ULLAGE TABLE
TANK: 2 Stbd

CAPACITIES IN U.S. BARRELS

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

HULL NO. 05-539

IN	2 FT		3 FT		4 FT		5 FT		6 FT		7 FT		8 FT		9 FT	
	IN	U	IN	U	IN	U	IN	U	IN	U	IN	U	IN	U	IN	U
0	3644.71	0	3410.67	0	3158.04	0	2905.40	0	2652.77	0	2400.15	0	2147.36	0	1894.24	0
1/4	3644.71	1/4	3405.41	1/4	3152.77	1/4	2900.14	1/4	2647.51	1/4	2394.88	1/4	2142.09	1/4	1888.96	1/4
1/2	3641.35	1/2	3400.14	1/2	3147.51	1/2	2894.88	1/2	2642.24	1/2	2389.62	1/2	2136.81	1/2	1883.69	1/2
3/4	3637.84	3/4	3394.88	3/4	3142.25	3/4	2889.61	3/4	2636.98	3/4	2384.36	3/4	2131.54	3/4	1878.42	3/4
1	3634.19	1	3389.62	1	3136.98	1	2884.35	1	2631.72	1	2379.10	1	2126.27	1	1873.14	1
1/4	3630.39	1/4	3384.35	1/4	3131.72	1/4	2879.09	1/4	2626.45	1/4	2373.83	1/4	2120.99	1/4	1867.87	1/4
1/2	3626.46	1/2	3379.09	1/2	3126.46	1/2	2873.82	1/2	2621.19	1/2	2368.57	1/2	2115.72	1/2	1862.60	1/2
3/4	3622.36	3/4	3373.83	3/4	3121.19	3/4	2868.56	3/4	2615.93	3/4	2363.31	3/4	2110.45	3/4	1857.32	3/4
2	3618.12	2	3368.56	2	3115.93	2	2863.30	2	2610.66	2	2358.04	2	2105.17	2	1852.05	2
1/4	3613.74	1/4	3363.30	1/4	3110.67	1/4	2858.03	1/4	2605.40	1/4	2352.78	1/4	2099.90	1/4	1846.78	1/4
1/2	3609.21	1/2	3358.04	1/2	3105.40	1/2	2852.77	1/2	2600.14	1/2	2347.52	1/2	2094.63	1/2	1841.50	1/2
3/4	3604.53	3/4	3352.77	3/4	3100.14	3/4	2847.51	3/4	2594.87	3/4	2342.26	3/4	2089.35	3/4	1836.23	3/4
3	3599.70	3	3347.51	3	3094.88	3	2842.24	3	2589.61	3	2336.99	3	2084.08	3	1830.96	3
1/4	3594.73	1/4	3342.25	1/4	3089.61	1/4	2836.98	1/4	2584.35	1/4	2331.73	1/4	2078.81	1/4	1825.68	1/4
1/2	3589.62	1/2	3336.98	1/2	3084.35	1/2	2831.72	1/2	2579.09	1/2	2326.47	1/2	2073.53	1/2	1820.41	1/2
3/4	3584.35	3/4	3331.72	3/4	3079.09	3/4	2826.45	3/4	2573.82	3/4	2321.20	3/4	2068.26	3/4	1815.14	3/4
4	3579.09	4	3326.46	4	3073.82	4	2821.19	4	2568.56	4	2315.94	4	2062.99	4	1809.86	4
1/4	3573.83	1/4	3321.19	1/4	3068.56	1/4	2815.93	1/4	2563.30	1/4	2310.68	1/4	2057.71	1/4	1804.59	1/4
1/2	3568.57	1/2	3315.93	1/2	3063.30	1/2	2810.66	1/2	2558.03	1/2	2305.42	1/2	2052.44	1/2	1799.32	1/2
3/4	3563.30	3/4	3310.67	3/4	3058.03	3/4	2805.40	3/4	2552.77	3/4	2300.15	3/4	2047.17	3/4	1794.04	3/4
5	3558.04	5	3305.41	5	3052.77	5	2800.14	5	2547.51	5	2294.89	5	2041.89	5	1788.77	5
1/4	3552.78	1/4	3300.14	1/4	3047.51	1/4	2794.87	1/4	2542.25	1/4	2289.63	1/4	2036.62	1/4	1783.50	1/4
1/2	3547.51	1/2	3294.88	1/2	3042.25	1/2	2789.61	1/2	2536.98	1/2	2284.36	1/2	2031.35	1/2	1778.22	1/2
3/4	3542.25	3/4	3289.62	3/4	3036.98	3/4	2784.35	3/4	2531.72	3/4	2279.10	3/4	2026.07	3/4	1772.95	3/4
6	3536.99	6	3284.35	6	3031.72	6	2779.09	6	2526.46	6	2273.84	6	2020.80	6	1767.68	6
1/4	3531.72	1/4	3279.09	1/4	3026.46	1/4	2773.82	1/4	2521.19	1/4	2268.58	1/4	2015.53	1/4	1762.40	1/4
1/2	3526.46	1/2	3273.83	1/2	3021.19	1/2	2768.56	1/2	2515.93	1/2	2263.31	1/2	2010.25	1/2	1757.13	1/2
3/4	3521.20	3/4	3268.56	3/4	3015.93	3/4	2763.30	3/4	2510.67	3/4	2258.05	3/4	2004.98	3/4	1751.86	3/4
7	3515.93	7	3263.30	7	3010.67	7	2758.03	7	2505.41	7	2252.79	7	1999.71	7	1746.58	7
1/4	3510.67	1/4	3258.04	1/4	3005.40	1/4	2752.77	1/4	2500.14	1/4	2247.52	1/4	1994.43	1/4	1741.31	1/4
1/2	3505.41	1/2	3252.77	1/2	3000.14	1/2	2747.51	1/2	2494.88	1/2	2242.26	1/2	1989.16	1/2	1736.04	1/2
3/4	3494.88	3/4	3247.51	3/4	2994.88	3/4	2742.24	3/4	2489.62	3/4	2237.00	3/4	1983.89	3/4	1730.76	3/4
8	3489.62	8	3242.25	8	2989.61	8	2736.98	8	2484.35	8	2231.73	8	1978.61	8	1725.49	8
1/4	3484.35	1/4	3236.98	1/4	2984.35	1/4	2731.72	1/4	2479.09	1/4	2226.46	1/4	1973.34	1/4	1720.22	1/4
1/2	3479.09	1/2	3231.72	1/2	2979.09	1/2	2726.45	1/2	2473.83	1/2	2221.19	1/2	1968.06	1/2	1714.94	1/2
3/4	3473.83	3/4	3226.46	3/4	2973.82	3/4	2721.19	3/4	2468.57	3/4	2215.91	3/4	1962.79	3/4	1709.67	3/4
9	3468.56	9	3221.19	9	2968.56	9	2715.93	9	2463.30	9	2210.64	9	1957.52	9	1704.39	9
1/4	3463.30	1/4	3215.93	1/4	2963.30	1/4	2710.66	1/4	2458.04	1/4	2205.37	1/4	1952.24	1/4	1699.12	1/4
1/2	3458.04	1/2	3210.67	1/2	2958.03	1/2	2705.40	1/2	2452.78	1/2	2200.09	1/2	1946.97	1/2	1693.85	1/2
3/4	3452.77	3/4	3205.40	3/4	2952.77	3/4	2700.14	3/4	2447.51	3/4	2194.82	3/4	1941.70	3/4	1688.57	3/4
10	3447.51	10	3200.14	10	2947.51	10	2694.87	10	2442.25	10	2189.55	10	1936.42	10	1683.30	10
1/4	3442.25	1/4	3194.88	1/4	2942.24	1/4	2689.61	1/4	2436.99	1/4	2184.27	1/4	1931.15	1/4	1678.03	1/4
1/2	3436.99	1/2	3189.61	1/2	2936.98	1/2	2684.35	1/2	2431.73	1/2	2179.00	1/2	1925.88	1/2	1672.75	1/2
3/4	3431.72	3/4	3184.35	3/4	2931.72	3/4	2679.08	3/4	2426.46	3/4	2173.73	3/4	1920.60	3/4	1667.48	3/4
11	3426.46	11	3179.09	11	2926.45	11	2673.82	11	2421.20	11	2168.45	11	1915.33	11	1662.21	11
1/4	3421.20	1/4	3173.83	1/4	2921.19	1/4	2668.56	1/4	2415.94	1/4	2163.18	1/4	1910.06	1/4	1656.93	1/4
1/2	3415.93	1/2	3168.56	1/2	2915.93	1/2	2663.29	1/2	2410.67	1/2	2157.91	1/2	1904.78	1/2	1651.66	1/2
3/4	3410.67	3/4	3163.30	3/4	2910.67	3/4	2658.03	3/4	2405.41	3/4	2152.63	3/4	1899.51	3/4	1646.39	3/4

NOTE: GAUGE POINT... TO TOP UP OF 10" GAUGE MATCH ON EXPANSION TRUNK
 NOTE: GAUGE POINT LOCATED NEAR AFT OF TANK - TRIM CORRECTION REQUIRED.
 REFERENCE GAUGE HEIGHT 57.5 INCHES (17' 2")
 NOTE: FOR ULLAGES LESS THAN 2' 0" USE ULLAGE TABLE (UULLAGE BY ULLAGE)

Calculations: JF 1/15/2009
 WHF 1/31/2009
 August 6, 2009
 For Revised Tim Correction



Caleb Brett

BARGE GRIFCO 3810

ULLAGE TABLE TANK: 2 Stbd

CAPACITIES IN U.S. BARRELS

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

HULL No. 05-5539

IN	10 FT		11 FT		12 FT		13 FT		14 FT		15 FT		16 FT		17 FT	
	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4
0	1641.11	0	1388.00	0	1134.89	0	881.82	0	629.50	0	378.07	0	126.61	0	0.37	
1/4	1635.84	1/4	1382.73	1/4	1129.62	1/4	876.56	1/4	624.27	1/4	372.83	1/4	121.37	1/4	0.33	
1/2	1630.57	1/2	1377.45	1/2	1124.35	1/2	871.30	1/2	619.04	1/2	367.60	1/2	116.15	1/2	0.28	
3/4	1625.29	3/4	1372.18	3/4	1119.07	3/4	866.04	3/4	613.81	3/4	362.36	3/4	110.95	3/4	0.23	
1	1620.02	1	1366.91	1	1113.80	1	860.78	1	608.58	1	357.12	1	105.77	1	0.19	
1/4	1614.75	1/4	1361.63	1/4	1108.53	1/4	855.52	1/4	603.34	1/4	351.88	1/4	100.61	1/4	0.14	
1/2	1609.47	1/2	1356.36	1/2	1103.26	1/2	850.26	1/2	598.10	1/2	346.64	1/2	95.47	1/2	0.09	
3/4	1604.20	3/4	1351.09	3/4	1097.98	3/4	845.00	3/4	592.86	3/4	341.40	3/4	90.35	3/4	0.05	
2	1598.93	2	1345.82	2	1092.71	2	839.74	2	587.63	2	336.16	2	85.24	2	0.00	
1/4	1593.65	1/4	1340.54	1/4	1087.44	1/4	834.48	1/4	582.39	1/4	330.92	1/4	80.16	1/4		
1/2	1588.38	1/2	1335.27	1/2	1082.16	1/2	829.22	1/2	577.15	1/2	325.69	1/2	75.09	1/2		
3/4	1583.11	3/4	1330.00	3/4	1076.89	3/4	823.97	3/4	571.91	3/4	320.45	3/4	70.05	3/4		
3	1577.83	3	1324.72	3	1071.62	3	818.71	3	566.67	3	315.21	3	65.02	3		
1/4	1572.56	1/4	1319.45	1/4	1066.34	1/4	813.45	1/4	561.43	1/4	309.97	1/4	60.02	1/4		
1/2	1567.29	1/2	1314.18	1/2	1061.07	1/2	808.19	1/2	556.19	1/2	304.73	1/2	55.03	1/2		
3/4	1562.01	3/4	1308.90	3/4	1055.80	3/4	802.93	3/4	550.95	3/4	299.49	3/4	50.06	3/4		
4	1556.74	4	1303.63	4	1050.52	4	797.67	4	545.72	4	294.25	4	45.11	4		
1/4	1551.47	1/4	1298.36	1/4	1045.25	1/4	792.41	1/4	540.48	1/4	289.01	1/4	40.19	1/4		
1/2	1546.19	1/2	1293.09	1/2	1039.98	1/2	787.15	1/2	535.24	1/2	283.78	1/2	35.28	1/2		
3/4	1540.92	3/4	1287.81	3/4	1034.71	3/4	781.89	3/4	530.00	3/4	278.54	3/4	30.70	3/4		
5	1535.65	5	1282.54	5	1029.43	5	776.63	5	524.76	5	273.30	5	26.45	5		
1/4	1530.37	1/4	1277.27	1/4	1024.16	1/4	771.37	1/4	519.52	1/4	268.06	1/4	22.53	1/4		
1/2	1525.10	1/2	1271.99	1/2	1018.89	1/2	766.11	1/2	514.28	1/2	262.82	1/2	18.93	1/2		
3/4	1519.83	3/4	1266.72	3/4	1013.61	3/4	760.85	3/4	509.04	3/4	257.58	3/4	15.67	3/4		
6	1514.55	6	1261.45	6	1008.34	6	755.59	6	503.81	6	252.34	6	12.74	6		
1/4	1509.28	1/4	1256.18	1/4	1003.07	1/4	750.33	1/4	498.57	1/4	247.10	1/4	10.14	1/4		
1/2	1504.01	1/2	1250.90	1/2	997.79	1/2	745.07	1/2	493.33	1/2	241.86	1/2	7.87	1/2		
3/4	1498.73	3/4	1245.63	3/4	992.52	3/4	739.81	3/4	488.09	3/4	236.63	3/4	5.92	3/4		
7	1493.46	7	1240.36	7	987.25	7	734.55	7	482.85	7	231.39	7	4.31	7		
1/4	1488.19	1/4	1235.08	1/4	981.97	1/4	729.29	1/4	477.61	1/4	226.15	1/4	3.03	1/4		
1/2	1482.91	1/2	1229.81	1/2	976.70	1/2	724.03	1/2	472.37	1/2	220.91	1/2	2.07	1/2		
3/4	1477.64	3/4	1224.54	3/4	971.43	3/4	718.77	3/4	467.13	3/4	215.67	3/4	1.43	3/4		
8	1472.37	8	1219.26	8	966.15	8	713.51	8	461.89	8	210.43	8	1.12	8		
1/4	1467.09	1/4	1213.99	1/4	960.88	1/4	708.25	1/4	456.66	1/4	205.19	1/4	1.07	1/4		
1/2	1461.82	1/2	1208.72	1/2	955.61	1/2	702.99	1/2	451.42	1/2	199.95	1/2	1.03	1/2		
3/4	1456.55	3/4	1203.44	3/4	950.34	3/4	697.73	3/4	446.18	3/4	194.72	3/4	0.98	3/4		
9	1451.27	9	1198.17	9	945.06	9	692.47	9	440.94	9	189.48	9	0.93	9		
1/4	1446.00	1/4	1192.90	1/4	939.79	1/4	687.19	1/4	435.70	1/4	184.24	1/4	0.89	1/4		
1/2	1440.73	1/2	1187.63	1/2	934.52	1/2	681.92	1/2	430.46	1/2	179.00	1/2	0.84	1/2		
3/4	1435.45	3/4	1182.35	3/4	929.24	3/4	676.65	3/4	425.22	3/4	173.76	3/4	0.79	3/4		
10	1430.18	10	1177.08	10	923.97	10	671.37	10	419.98	10	168.52	10	0.75	10		
1/4	1424.91	1/4	1171.81	1/4	918.70	1/4	666.10	1/4	414.75	1/4	163.29	1/4	0.70	1/4		
1/2	1419.64	1/2	1166.53	1/2	913.42	1/2	660.87	1/2	409.51	1/2	158.05	1/2	0.65	1/2		
3/4	1414.36	3/4	1161.26	3/4	908.15	3/4	655.64	3/4	404.27	3/4	152.81	3/4	0.61	3/4		
11	1409.09	11	1155.99	11	902.88	11	650.41	11	399.03	11	147.57	11	0.56	11		
1/4	1403.82	1/4	1150.71	1/4	897.60	1/4	645.18	1/4	393.79	1/4	142.33	1/4	0.51	1/4		
1/2	1398.54	1/2	1145.44	1/2	892.34	1/2	639.95	1/2	388.55	1/2	137.09	1/2	0.47	1/2		
3/4	1393.27	3/4	1140.17	3/4	887.08	3/4	634.73	3/4	383.31	3/4	131.85	3/4	0.42	3/4		

NOTE: GAUGE POINT: TO TOP OF 10" GAUGE HATCH ON EXPANSION TRUNK
 NOTE: GAUGE POINT LOCATED NEAR AFT OF TANK - TRIM CORRECTION REQUIRED
 REFERENCE GAUGE HEIGHT STANDARD, 17' 2"

Calibrated: JF 1/15/2009
 Calculation: WHF 1/31/2009
 Re-issued: August 9, 2009
 For Revised Trim Correction



Intertek
Caleb Brett

BARGE GRIFCO 3810

ULLAGE TABLE
TANK: 3 Port

CAPACITIES IN U.S. BARRELS
FOR MANUAL GAUGING AT 10" GAUGE HATCH LOCATED ON DECK NEAR EXPANSION TRUNK
HULL No. 05-5539

IN	2 FT		3 FT		4 FT		5 FT		6 FT		7 FT		8 FT		9 FT	
	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	3645.29	0	3408.21	0	3155.75	0	2903.30	0	2650.85	0	2398.41	0	2145.81	0	1892.87	
1/4	3642.08	1/4	3402.99	1/4	3150.50	1/4	2898.04	1/4	2645.59	1/4	2393.15	1/4	2140.54	1/4	1887.60	
1/2	3638.72	1/2	3397.65	1/2	3145.24	1/2	2892.78	1/2	2640.33	1/2	2387.90	1/2	2135.27	1/2	1882.33	
3/4	3635.22	3/4	3392.43	#N/A	3139.98	3/4	2887.53	3/4	2635.07	3/4	2382.64	3/4	2130.00	3/4	1877.06	
1	3631.57	1	3387.17	1	3134.72	1	2882.27	1	2629.81	1	2377.38	1	2124.73	1	1871.79	
1/4	3627.77	1/4	3381.91	1/4	3129.46	1/4	2877.01	1/4	2624.56	1/4	2372.12	1/4	2119.46	1/4	1866.52	
1/2	3623.83	1/2	3376.65	1/2	3124.20	1/2	2871.75	1/2	2619.30	1/2	2366.86	1/2	2114.19	1/2	1861.25	
3/4	3619.74	3/4	3371.39	3/4	3118.94	3/4	2866.49	3/4	2614.04	3/4	2361.60	3/4	2108.92	3/4	1855.98	
2	3615.51	2	3366.13	2	3113.68	2	2861.23	2	2608.78	2	2356.34	2	2103.65	2	1850.71	
1/4	3611.13	1/4	3360.87	1/4	3108.42	1/4	2855.97	1/4	2603.52	1/4	2351.08	1/4	2098.38	1/4	1845.44	
1/2	3606.60	1/2	3355.61	1/2	3103.16	1/2	2850.71	1/2	2598.26	1/2	2345.82	1/2	2093.11	1/2	1840.17	
3/4	3601.93	3/4	3350.35	3/4	3097.90	3/4	2845.45	3/4	2593.00	3/4	2340.56	3/4	2087.84	3/4	1834.90	
3	3597.10	3	3345.09	3	3092.64	3	2840.19	3	2587.74	3	2335.30	3	2082.57	3	1829.63	
1/4	3592.14	1/4	3339.83	1/4	3087.38	1/4	2834.93	1/4	2582.48	1/4	2330.05	1/4	2077.30	1/4	1824.36	
1/2	3587.03	1/2	3334.57	1/2	3082.12	1/2	2829.67	1/2	2577.22	1/2	2324.79	1/2	2072.03	1/2	1819.09	
3/4	3581.77	3/4	3329.31	3/4	3076.86	3/4	2824.41	3/4	2571.96	3/4	2319.53	3/4	2066.76	3/4	1813.82	
4	3576.51	4	3324.06	4	3071.60	4	2819.15	4	2566.70	4	2314.27	4	2061.50	4	1808.55	
1/4	3571.25	1/4	3318.80	1/4	3066.34	1/4	2813.89	1/4	2561.45	1/4	2309.01	1/4	2056.23	1/4	1803.28	
1/2	3565.99	1/2	3313.54	1/2	3061.09	1/2	2808.63	1/2	2556.19	1/2	2303.75	1/2	2050.96	1/2	1798.02	
3/4	3560.73	3/4	3308.28	3/4	3055.83	3/4	2803.37	3/4	2550.93	3/4	2298.49	3/4	2045.69	3/4	1792.75	
5	3555.47	5	3303.02	5	3050.57	5	2798.12	5	2545.67	5	2293.23	5	2040.42	5	1787.48	
1/4	3550.21	1/4	3297.76	1/4	3045.31	1/4	2792.86	1/4	2540.41	1/4	2287.97	1/4	2035.15	1/4	1782.21	
1/2	3544.95	1/2	3292.50	1/2	3040.05	1/2	2787.60	1/2	2535.15	1/2	2282.71	1/2	2029.88	1/2	1776.94	
3/4	3539.69	3/4	3287.24	3/4	3034.79	3/4	2782.34	3/4	2529.89	3/4	2277.45	3/4	2024.61	3/4	1771.67	
6	3534.43	6	3281.98	6	3029.53	6	2777.08	6	2524.63	6	2272.20	6	2019.34	6	1766.40	
1/4	3529.17	1/4	3276.72	1/4	3024.27	1/4	2771.82	1/4	2519.37	1/4	2266.94	1/4	2014.07	1/4	1761.13	
1/2	3523.91	1/2	3271.46	1/2	3019.01	1/2	2766.56	1/2	2514.11	1/2	2261.68	1/2	2008.80	1/2	1755.86	
3/4	3518.65	3/4	3266.20	3/4	3013.75	3/4	2761.30	3/4	2508.85	3/4	2256.42	3/4	2003.53	3/4	1750.59	
7	3513.39	7	3260.94	7	3008.49	7	2756.04	7	2503.60	7	2251.16	7	1998.26	7	1745.32	
1/4	3508.13	1/4	3255.68	1/4	3003.23	1/4	2750.78	1/4	2498.34	1/4	2245.90	1/4	1992.99	1/4	1740.05	
1/2	3502.87	1/2	3250.42	1/2	2997.97	1/2	2745.52	1/2	2493.08	1/2	2240.64	1/2	1987.72	1/2	1734.78	
3/4	3497.62	3/4	3245.16	3/4	2992.71	3/4	2740.26	3/4	2487.82	3/4	2235.38	3/4	1982.45	3/4	1729.51	
8	3492.36	8	3239.90	8	2987.45	8	2735.00	8	2482.56	8	2230.12	8	1977.18	8	1724.24	
1/4	3487.10	1/4	3234.65	1/4	2982.19	1/4	2729.74	1/4	2477.30	1/4	2224.85	1/4	1971.91	1/4	1718.97	
1/2	3481.84	1/2	3229.39	1/2	2976.93	1/2	2724.48	1/2	2472.04	1/2	2219.58	1/2	1966.64	1/2	1713.70	
3/4	3476.58	3/4	3224.13	3/4	2971.68	3/4	2719.22	3/4	2466.78	3/4	2214.31	3/4	1961.37	3/4	1708.43	
9	3471.32	9	3218.87	9	2966.42	9	2713.96	9	2461.52	9	2209.04	9	1956.10	9	1703.16	
1/4	3466.06	1/4	3213.61	1/4	2961.16	1/4	2708.71	1/4	2456.26	1/4	2203.77	1/4	1950.83	1/4	1697.89	
1/2	3460.80	1/2	3208.35	1/2	2955.90	1/2	2703.45	1/2	2451.00	1/2	2198.50	1/2	1945.56	1/2	1692.62	
3/4	3455.54	3/4	3203.09	3/4	2950.64	3/4	2698.19	3/4	2445.75	3/4	2193.24	3/4	1940.29	3/4	1687.35	
10	3450.28	10	3197.83	10	2945.38	10	2692.93	10	2440.49	10	2187.97	10	1935.02	10	1682.08	
1/4	3445.02	1/4	3192.57	1/4	2940.12	1/4	2687.67	1/4	2435.23	1/4	2182.70	1/4	1929.76	1/4	1676.81	
1/2	3439.76	1/2	3187.31	1/2	2934.86	1/2	2682.41	1/2	2429.97	1/2	2177.43	1/2	1924.49	1/2	1671.54	
3/4	3434.50	3/4	3182.05	3/4	2929.60	3/4	2677.15	3/4	2424.71	3/4	2172.16	3/4	1919.22	3/4	1666.28	
11	3429.24	11	3176.79	11	2924.34	11	2671.89	11	2419.45	11	2166.89	11	1913.95	11	1661.01	
1/4	3423.98	1/4	3171.53	1/4	2919.08	1/4	2666.63	1/4	2414.19	1/4	2161.62	1/4	1908.68	1/4	1655.74	
1/2	3418.72	1/2	3166.27	1/2	2913.82	1/2	2661.37	1/2	2408.93	1/2	2156.35	1/2	1903.41	1/2	1650.47	
3/4	3413.47	3/4	3161.01	3/4	2908.56	3/4	2656.11	3/4	2403.67	3/4	2151.08	3/4	1898.14	3/4	1645.20	

NOTE: GAUGE POINT - TO TOP LIP OF 10" GAUGE HATCH ON EXPANSION TRUNK
 NOTE: GAUGE POINT LOCATED NEAR AFT OF TANK - TRIM CORRECTION REQUIRED
 REFERENCE GAUGE HEIGHT PORT: 17' 2"
 NOTE: FOR ULLAGES LESS THAN 2' USE ULLAGE TABLE (UULLAGE BY ULLAGE)

Calculated: JF 1/15/2009
 Calculation: WHF 1/31/2009
 Re-issued: August 6, 2009
 For Revised Trim Correction

ULLAGE TABLE
TANK: 3 Port

CAPACITIES IN U.S. BARRELS

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

HULL No. 05-5539

IN	10 FT	IN	11 FT	IN	12 FT	IN	13 FT	IN	14 FT	IN	15 FT	IN	16 FT	IN	17 FT
0	1639.93	0	1386.99	0	1134.07	0	881.18	0	629.04	0	377.80	0	126.52	0	0.37
1/4	1634.66	1/4	1381.72	1/4	1128.80	1/4	876.93	1/4	623.81	1/4	372.56	1/4	121.28	1/4	0.33
1/2	1629.39	1/2	1376.46	1/2	1123.53	1/2	870.67	1/2	618.59	1/2	367.33	1/2	116.07	1/2	0.28
3/4	1624.12	3/4	1371.19	3/4	1118.26	3/4	865.42	3/4	613.36	3/4	362.09	3/4	110.87	3/4	0.23
1	1618.85	1	1365.92	1	1112.99	1	860.16	1	608.14	1	356.86	1	105.70	1	0.19
1/4	1613.58	1/4	1360.65	1/4	1107.73	1/4	854.90	1/4	602.90	1/4	351.62	1/4	100.54	1/4	0.14
1/2	1608.31	1/2	1355.38	1/2	1102.46	1/2	849.65	1/2	597.67	1/2	346.39	1/2	95.40	1/2	0.09
3/4	1603.04	3/4	1350.11	3/4	1097.19	3/4	844.39	3/4	592.43	3/4	341.15	3/4	90.28	3/4	0.05
2	1597.77	2	1344.84	2	1091.92	2	839.14	2	587.20	2	335.92	2	85.18	2	0.00
1/4	1592.50	1/4	1339.57	1/4	1086.65	1/4	833.88	1/4	581.96	1/4	330.68	1/4	80.10	1/4	
1/2	1587.23	1/2	1334.30	1/2	1081.38	1/2	828.62	1/2	576.73	1/2	325.45	1/2	75.04	1/2	
3/4	1581.96	3/4	1329.03	3/4	1076.11	3/4	823.37	3/4	571.49	3/4	320.21	3/4	70.00	3/4	
3	1576.69	3	1323.76	3	1070.84	3	818.11	3	566.26	3	314.98	3	64.98	3	
1/4	1571.42	1/4	1318.50	1/4	1065.57	1/4	812.86	1/4	561.02	1/4	309.74	1/4	59.97	1/4	
1/2	1566.15	1/2	1313.23	1/2	1060.30	1/2	807.60	1/2	555.79	1/2	304.51	1/2	54.99	1/2	
3/4	1560.88	3/4	1307.96	3/4	1055.03	3/4	802.34	3/4	550.55	3/4	299.27	3/4	50.03	3/4	
4	1555.61	4	1302.69	4	1049.76	4	797.09	4	545.32	4	294.04	4	45.08	4	
1/4	1550.34	1/4	1297.42	1/4	1044.49	1/4	791.83	1/4	540.08	1/4	288.80	1/4	40.16	1/4	
1/2	1545.07	1/2	1292.15	1/2	1039.22	1/2	786.58	1/2	534.85	1/2	283.57	1/2	35.25	1/2	
3/4	1539.80	3/4	1286.88	3/4	1033.96	3/4	781.32	3/4	529.61	3/4	278.33	3/4	30.67	3/4	
5	1534.54	5	1281.61	5	1028.69	5	776.06	5	524.38	5	273.10	5	26.43	5	
1/4	1529.27	1/4	1276.34	1/4	1023.42	1/4	770.81	1/4	519.14	1/4	267.86	1/4	22.51	1/4	
1/2	1524.00	1/2	1271.07	1/2	1018.15	1/2	765.55	1/2	513.91	1/2	262.63	1/2	18.92	1/2	
3/4	1518.73	3/4	1265.80	3/4	1012.88	3/4	760.30	3/4	508.67	3/4	257.39	3/4	15.66	3/4	
6	1513.46	6	1260.54	6	1007.61	6	755.04	6	503.44	6	252.16	6	12.73	6	
1/4	1508.19	1/4	1255.27	1/4	1002.34	1/4	749.78	1/4	498.20	1/4	246.92	1/4	10.13	1/4	
1/2	1502.92	1/2	1250.00	1/2	997.07	1/2	744.53	1/2	492.97	1/2	241.69	1/2	7.86	1/2	
3/4	1497.65	3/4	1244.73	3/4	991.80	3/4	739.27	3/4	487.73	3/4	236.45	3/4	5.92	3/4	
7	1492.38	7	1239.46	7	986.53	7	734.02	7	482.50	7	231.22	7	4.31	7	
1/4	1487.11	1/4	1234.19	1/4	981.26	1/4	728.76	1/4	477.26	1/4	225.98	1/4	3.03	1/4	
1/2	1481.84	1/2	1228.92	1/2	976.99	1/2	723.50	1/2	472.03	1/2	220.75	1/2	2.07	1/2	
3/4	1476.57	3/4	1223.65	3/4	970.72	3/4	718.25	3/4	466.79	3/4	215.51	3/4	1.43	3/4	
8	1471.30	8	1218.38	8	965.45	8	712.99	8	461.56	8	210.28	8	1.12	8	
1/4	1466.03	1/4	1213.11	1/4	960.19	1/4	707.73	1/4	456.32	1/4	205.04	1/4	1.07	1/4	
1/2	1460.76	1/2	1207.84	1/2	954.92	1/2	702.48	1/2	451.09	1/2	199.81	1/2	1.03	1/2	
3/4	1455.49	3/4	1202.57	3/4	949.65	3/4	697.22	3/4	445.85	3/4	194.57	3/4	0.98	3/4	
9	1450.22	9	1197.30	9	944.38	9	691.97	9	440.62	9	189.34	9	0.93	9	
1/4	1444.95	1/4	1192.03	1/4	939.11	1/4	686.70	1/4	435.38	1/4	184.10	1/4	0.89	1/4	
1/2	1439.69	1/2	1186.77	1/2	933.84	1/2	681.43	1/2	430.15	1/2	178.87	1/2	0.84	1/2	
3/4	1434.42	3/4	1181.50	3/4	928.57	3/4	676.16	3/4	424.91	3/4	173.64	3/4	0.79	3/4	
10	1429.15	10	1176.23	10	923.30	10	670.89	10	419.68	10	168.40	10	0.75	10	
1/4	1423.88	1/4	1170.96	1/4	918.03	1/4	665.62	1/4	414.44	1/4	163.17	1/4	0.70	1/4	
1/2	1418.61	1/2	1165.69	1/2	912.76	1/2	660.39	1/2	409.21	1/2	157.93	1/2	0.65	1/2	
3/4	1413.34	3/4	1160.42	3/4	907.49	3/4	655.17	3/4	403.97	3/4	152.70	3/4	0.61	3/4	
11	1408.07	11	1155.15	11	902.22	11	649.94	11	398.74	11	147.46	11	0.56	11	
1/4	1402.80	1/4	1149.88	1/4	896.95	1/4	644.71	1/4	393.50	1/4	142.23	1/4	0.51	1/4	
1/2	1397.53	1/2	1144.61	1/2	891.70	1/2	639.49	1/2	388.27	1/2	136.99	1/2	0.47	1/2	
3/4	1392.26	3/4	1139.34	3/4	886.44	3/4	634.26	3/4	383.03	3/4	131.76	3/4	0.42	3/4	

Trim Correction	17 FT
+12"	-1/8
+9"	-7/8
+6"	-5/8
+3"	-1/4
EVEN	0
-3"	1/4
-6"	5/8
-9"	7/8
-1'0"	1 1/8
-1'3"	1 3/4
-1'6"	2 1/8
-1'9"	2
-2'0"	2 1/4
-2'3"	2 5/8
-2'6"	3 1/8
-2'9"	3 1/2
-3'0"	3 3/4
-3'3"	4
-3'6"	4 1/4
-3'9"	4 1/2
-4'0"	4 5/8
-4'3"	4 7/8
-4'6"	5 1/8
-4'9"	5 1/2
-5'0"	5 3/4
-5'3"	6
-5'6"	6 1/4
-5'9"	6 5/8
-6'0"	6 7/8
-6'3"	7 1/8
-6'6"	7 1/2
-6'9"	7 3/4

NOTE: GAUGE POINT - TO TOP OF 10" GAUGE HATCH ON EXPANSION TRUNK.
NOTE: GAUGE POINT LOCATED NEAR AFT OF TANK - TRIM CORRECTION REQUIRED.
REFERENCE GAUGE HEIGHT PORT: 17 1/2"

NOTE: FOR ULLAGES LESS THAN 2' OR USE INNAUGE TABLE (INNAUGE BY ULLAGE)

Calibrated: JF 1/15/2009
Calculation: WHF 1/31/2009
Re-issued: August 6, 2009
For Revised Trim Correction



Caleb Brett

BARGE GRIFCO 3810

ULLAGE TABLE TANK: 3 Stbd

CAPACITIES IN U.S. BARRELS

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

HULL No. 06-5539

IN	2 FT		3 FT		4 FT		5 FT		6 FT		7 FT		8 FT		9 FT	
	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	3645.29	0	3408.21	0	3155.75	0	2903.30	0	2650.85	0	2398.41	0	2145.81	0	1892.87	0
1/4	3642.08	1/4	3402.95	1/4	3150.50	1/4	2898.04	1/4	2645.59	1/4	2393.15	1/4	2140.54	1/4	1887.60	1/4
1/2	3638.72	1/2	3397.69	1/2	3145.24	1/2	2892.78	1/2	2640.33	1/2	2387.90	1/2	2135.27	1/2	1882.33	1/2
3/4	3635.22	3/4	3392.43	3/4	3139.98	3/4	2887.53	3/4	2635.07	3/4	2382.64	3/4	2130.00	3/4	1877.06	3/4
1	3631.57	1	3387.17	1	3134.72	1	2882.27	1	2629.81	1	2377.38	1	2124.73	1	1871.79	1
1/4	3627.77	1/4	3381.91	1/4	3129.46	1/4	2877.01	1/4	2624.56	1/4	2372.12	1/4	2119.46	1/4	1866.52	1/4
1/2	3623.83	1/2	3376.65	1/2	3124.20	1/2	2871.75	1/2	2619.30	1/2	2366.86	1/2	2114.19	1/2	1861.25	1/2
3/4	3619.74	3/4	3371.39	3/4	3118.94	3/4	2866.49	3/4	2614.04	3/4	2361.60	3/4	2108.92	3/4	1855.98	3/4
2	3615.51	2	3366.13	2	3113.68	2	2861.23	2	2608.78	2	2356.34	2	2103.65	2	1850.71	2
1/4	3611.13	1/4	3360.87	1/4	3108.42	1/4	2855.97	1/4	2603.52	1/4	2351.08	1/4	2098.38	1/4	1845.44	1/4
1/2	3606.60	1/2	3355.61	1/2	3103.16	1/2	2850.71	1/2	2598.26	1/2	2345.82	1/2	2093.11	1/2	1840.17	1/2
3/4	3601.93	3/4	3350.35	3/4	3097.90	3/4	2845.45	3/4	2593.00	3/4	2340.56	3/4	2087.84	3/4	1834.90	3/4
3	3597.10	3	3345.09	3	3092.64	3	2840.19	3	2587.74	3	2335.30	3	2082.57	3	1829.63	3
1/4	3592.14	1/4	3339.83	1/4	3087.38	1/4	2834.93	1/4	2582.48	1/4	2330.05	1/4	2077.30	1/4	1824.36	1/4
1/2	3587.03	1/2	3334.57	1/2	3082.12	1/2	2829.67	1/2	2577.22	1/2	2324.79	1/2	2072.03	1/2	1819.09	1/2
3/4	3581.77	3/4	3329.31	3/4	3076.86	3/4	2824.41	3/4	2571.96	3/4	2319.53	3/4	2066.76	3/4	1813.82	3/4
4	3576.51	4	3324.06	4	3071.60	4	2819.15	4	2566.70	4	2314.27	4	2061.50	4	1808.55	4
1/4	3571.26	1/4	3318.80	1/4	3066.34	1/4	2813.89	1/4	2561.45	1/4	2309.01	1/4	2056.23	1/4	1803.28	1/4
1/2	3566.99	1/2	3313.54	1/2	3061.09	1/2	2808.63	1/2	2556.19	1/2	2303.75	1/2	2050.96	1/2	1798.02	1/2
3/4	3560.73	3/4	3308.28	3/4	3055.83	3/4	2803.37	3/4	2550.93	3/4	2298.49	3/4	2045.69	3/4	1792.75	3/4
5	3555.47	5	3303.02	5	3050.57	5	2798.12	5	2545.67	5	2293.23	5	2040.42	5	1787.48	5
1/4	3550.21	1/4	3297.76	1/4	3045.31	1/4	2792.86	1/4	2540.41	1/4	2287.97	1/4	2035.15	1/4	1782.21	1/4
1/2	3544.95	1/2	3292.50	1/2	3040.05	1/2	2787.60	1/2	2535.15	1/2	2282.71	1/2	2029.88	1/2	1776.94	1/2
3/4	3539.69	3/4	3287.24	3/4	3034.79	3/4	2782.34	3/4	2529.89	3/4	2277.45	3/4	2024.61	3/4	1771.67	3/4
6	3534.43	6	3281.98	6	3029.53	6	2777.08	6	2524.63	6	2272.20	6	2019.34	6	1766.40	6
1/4	3529.17	1/4	3276.72	1/4	3024.27	1/4	2771.82	1/4	2519.37	1/4	2266.94	1/4	2014.07	1/4	1761.13	1/4
1/2	3523.91	1/2	3271.46	1/2	3019.01	1/2	2766.56	1/2	2514.11	1/2	2261.68	1/2	2008.80	1/2	1755.86	1/2
3/4	3518.65	3/4	3266.20	3/4	3013.75	3/4	2761.30	3/4	2508.85	3/4	2256.42	3/4	2003.53	3/4	1750.59	3/4
7	3513.39	7	3260.94	7	3008.49	7	2756.04	7	2503.60	7	2251.16	7	1998.26	7	1745.32	7
1/4	3508.13	1/4	3255.68	1/4	3003.23	1/4	2750.78	1/4	2498.34	1/4	2245.90	1/4	1992.99	1/4	1740.05	1/4
1/2	3502.87	1/2	3250.42	1/2	2997.97	1/2	2745.52	1/2	2493.08	1/2	2240.64	1/2	1987.72	1/2	1734.78	1/2
3/4	3497.62	3/4	3245.16	3/4	2992.71	3/4	2740.26	3/4	2487.82	3/4	2235.38	3/4	1982.45	3/4	1729.51	3/4
8	3492.36	8	3239.90	8	2987.45	8	2735.00	8	2482.56	8	2230.12	8	1977.18	8	1724.24	8
1/4	3487.10	1/4	3234.65	1/4	2982.19	1/4	2729.74	1/4	2477.30	1/4	2224.85	1/4	1971.91	1/4	1718.97	1/4
1/2	3481.84	1/2	3229.39	1/2	2976.93	1/2	2724.48	1/2	2472.04	1/2	2219.58	1/2	1966.64	1/2	1713.70	1/2
3/4	3476.58	3/4	3224.13	3/4	2971.68	3/4	2719.22	3/4	2466.78	3/4	2214.31	3/4	1961.37	3/4	1708.43	3/4
9	3471.32	9	3218.87	9	2966.42	9	2713.96	9	2461.52	9	2209.04	9	1956.10	9	1703.16	9
1/4	3466.06	1/4	3213.61	1/4	2961.16	1/4	2708.71	1/4	2456.26	1/4	2203.77	1/4	1950.83	1/4	1697.89	1/4
1/2	3460.80	1/2	3208.35	1/2	2955.90	1/2	2703.45	1/2	2451.00	1/2	2198.50	1/2	1945.56	1/2	1692.62	1/2
3/4	3455.54	3/4	3203.09	3/4	2950.64	3/4	2698.19	3/4	2445.75	3/4	2193.24	3/4	1940.29	3/4	1687.35	3/4
10	3450.28	10	3197.83	10	2945.38	10	2692.93	10	2440.49	10	2187.97	10	1935.02	10	1682.08	10
1/4	3445.02	1/4	3192.57	1/4	2940.12	1/4	2687.67	1/4	2435.23	1/4	2182.70	1/4	1929.76	1/4	1676.81	1/4
1/2	3439.76	1/2	3187.31	1/2	2934.86	1/2	2682.41	1/2	2429.97	1/2	2177.43	1/2	1924.49	1/2	1671.54	1/2
3/4	3434.50	3/4	3182.05	3/4	2929.60	3/4	2677.15	3/4	2424.71	3/4	2172.16	3/4	1919.22	3/4	1666.28	3/4
11	3429.24	11	3176.79	11	2924.34	11	2671.89	11	2419.45	11	2166.89	11	1913.95	11	1661.01	11
1/4	3423.98	1/4	3171.53	1/4	2919.08	1/4	2666.63	1/4	2414.19	1/4	2161.62	1/4	1908.68	1/4	1655.74	1/4
1/2	3418.72	1/2	3166.27	1/2	2913.82	1/2	2661.37	1/2	2408.93	1/2	2156.35	1/2	1903.41	1/2	1650.47	1/2
3/4	3413.47	3/4	3161.01	3/4	2908.56	3/4	2656.11	3/4	2403.67	3/4	2151.08	3/4	1898.14	3/4	1645.20	3/4

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

NOTE: GAUGE POINT LOCATED NEAR AFT OF TANK - TRIM CORRECTION REQUIRED.

REFERENCE GAUGE HEIGHT STABBOARD: 17'2"

NOTE: FOR ULLAGES LESS THAN 2'00" USE INNAUGE TABLE (INNAUGE BY ULLAGE)

Calibrated: JF 1/15/2009

Calculation: WHF 1/31/2009

Re-issued: August 6, 2009

For Revised Trim Correction

ULLAGE TABLE
TANK: 3 Stbd

CAPACITIES IN U.S. BARRELS

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

HULL No. 05-5539

IN	10 FT		11 FT		12 FT		13 FT		14 FT		15 FT		16 FT		17 FT	
	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	1639.93	0	1386.99	0	1134.07	0	881.18	0	629.04	0	377.80	0	126.52	0	0.37	
1/4	1634.66	1/4	1381.72	1/4	1128.80	1/4	875.93	1/4	623.81	1/4	372.56	1/4	121.28	1/4	0.33	
1/2	1629.39	1/2	1376.46	1/2	1123.53	1/2	870.67	1/2	618.59	1/2	367.33	1/2	116.07	1/2	0.28	
3/4	1624.12	3/4	1371.19	3/4	1118.26	3/4	865.42	3/4	613.36	3/4	362.09	3/4	110.87	3/4	0.23	
1	1618.85	1	1365.92	1	1112.99	1	860.16	1	608.14	1	356.86	1	105.70	1	0.19	
1/4	1613.58	1/4	1360.65	1/4	1107.73	1/4	854.90	1/4	602.90	1/4	351.62	1/4	100.54	1/4	0.14	
1/2	1608.31	1/2	1355.38	1/2	1102.46	1/2	849.65	1/2	597.67	1/2	346.39	1/2	95.40	1/2	0.09	
3/4	1603.04	3/4	1350.11	3/4	1097.19	3/4	844.39	3/4	592.43	3/4	341.15	3/4	90.28	3/4	0.05	
2	1597.77	2	1344.84	2	1091.92	2	839.14	2	587.20	2	335.92	2	85.18	2	0.00	
1/4	1592.50	1/4	1339.57	1/4	1086.65	1/4	833.88	1/4	581.96	1/4	330.68	1/4	80.10	1/4		
1/2	1587.23	1/2	1334.30	1/2	1081.38	1/2	828.62	1/2	576.73	1/2	325.45	1/2	75.04	1/2		
3/4	1581.96	3/4	1329.03	3/4	1076.11	3/4	823.37	3/4	571.49	3/4	320.21	3/4	70.00	3/4		
3	1576.69	3	1323.76	3	1070.84	3	818.11	3	566.26	3	314.98	3	64.98	3		
1/4	1571.42	1/4	1318.50	1/4	1065.57	1/4	812.86	1/4	561.02	1/4	309.74	1/4	59.97	1/4		
1/2	1566.15	1/2	1313.23	1/2	1060.30	1/2	807.60	1/2	555.79	1/2	304.51	1/2	54.99	1/2		
3/4	1560.88	3/4	1307.96	3/4	1055.03	3/4	802.34	3/4	550.55	3/4	299.27	3/4	50.03	3/4		
4	1555.61	4	1302.69	4	1049.76	4	797.09	4	545.32	4	294.04	4	45.08	4		
1/4	1550.34	1/4	1297.42	1/4	1044.49	1/4	791.83	1/4	540.08	1/4	288.80	1/4	40.16	1/4		
1/2	1545.07	1/2	1292.15	1/2	1039.22	1/2	786.58	1/2	534.85	1/2	283.57	1/2	35.25	1/2		
3/4	1539.80	3/4	1286.88	3/4	1033.96	3/4	781.32	3/4	529.61	3/4	278.33	3/4	30.67	3/4		
5	1534.54	5	1281.61	5	1028.69	5	776.06	5	524.38	5	273.10	5	26.43	5		
1/4	1529.27	1/4	1276.34	1/4	1023.42	1/4	770.81	1/4	519.14	1/4	267.86	1/4	22.51	1/4		
1/2	1524.00	1/2	1271.07	1/2	1018.15	1/2	765.55	1/2	513.91	1/2	262.63	1/2	18.92	1/2		
3/4	1518.73	3/4	1265.80	3/4	1012.88	3/4	760.30	3/4	508.67	3/4	257.39	3/4	15.66	3/4		
6	1513.46	6	1260.54	6	1007.61	6	755.04	6	503.44	6	252.16	6	12.73	6		
1/4	1508.19	1/4	1255.27	1/4	1002.34	1/4	749.78	1/4	498.20	1/4	246.92	1/4	10.13	1/4		
1/2	1502.92	1/2	1250.00	1/2	997.07	1/2	744.53	1/2	492.97	1/2	241.69	1/2	7.86	1/2		
3/4	1497.65	3/4	1244.73	3/4	991.80	3/4	739.27	3/4	487.73	3/4	236.45	3/4	5.92	3/4		
7	1492.38	7	1239.46	7	986.53	7	734.02	7	482.50	7	231.22	7	4.31	7		
1/4	1487.11	1/4	1234.19	1/4	981.26	1/4	728.76	1/4	477.26	1/4	225.98	1/4	3.03	1/4		
1/2	1481.84	1/2	1228.92	1/2	975.99	1/2	723.50	1/2	472.03	1/2	220.75	1/2	2.07	1/2		
3/4	1476.57	3/4	1223.65	3/4	970.72	3/4	718.25	3/4	466.79	3/4	215.51	3/4	1.43	3/4		
8	1471.30	8	1218.38	8	965.45	8	712.99	8	461.56	8	210.28	8	1.12	8		
1/4	1466.03	1/4	1213.11	1/4	960.19	1/4	707.73	1/4	456.32	1/4	205.04	1/4	1.07	1/4		
1/2	1460.76	1/2	1207.84	1/2	954.92	1/2	702.48	1/2	451.09	1/2	199.81	1/2	1.03	1/2		
3/4	1455.49	3/4	1202.57	3/4	949.65	3/4	697.22	3/4	445.85	3/4	194.57	3/4	0.98	3/4		
9	1450.22	9	1197.30	9	944.38	9	691.97	9	440.62	9	189.34	9	0.93	9		
1/4	1444.95	1/4	1192.03	1/4	939.11	1/4	686.70	1/4	435.38	1/4	184.10	1/4	0.89	1/4		
1/2	1439.69	1/2	1186.77	1/2	933.84	1/2	681.43	1/2	430.15	1/2	178.87	1/2	0.84	1/2		
3/4	1434.42	3/4	1181.50	3/4	928.57	3/4	676.16	3/4	424.91	3/4	173.64	3/4	0.79	3/4		
10	1429.15	10	1176.23	10	923.30	10	670.89	10	419.68	10	168.40	10	0.75	10		
1/4	1423.88	1/4	1170.96	1/4	918.03	1/4	665.62	1/4	414.44	1/4	163.17	1/4	0.70	1/4		
1/2	1418.61	1/2	1165.69	1/2	912.76	1/2	660.39	1/2	409.21	1/2	157.93	1/2	0.65	1/2		
3/4	1413.34	3/4	1160.42	3/4	907.49	3/4	655.17	3/4	403.97	3/4	152.70	3/4	0.61	3/4		
11	1408.07	11	1155.15	11	902.22	11	649.94	11	398.74	11	147.46	11	0.56	11		
1/4	1402.80	1/4	1149.88	1/4	896.95	1/4	644.71	1/4	393.50	1/4	142.23	1/4	0.51	1/4		
1/2	1397.53	1/2	1144.61	1/2	891.70	1/2	639.49	1/2	388.27	1/2	136.99	1/2	0.47	1/2		
3/4	1392.26	3/4	1139.34	3/4	886.44	3/4	634.26	3/4	383.03	3/4	131.76	3/4	0.42	3/4		

NOTE: GAUGE POINT: TO TOP LIP OF 10" GAUGE HATCH, ON EXPANSION TRUNK.
NOTE: GAUGE POINT LOCATED NEAR AFT OF TANK - TRIM CORRECTION REQUIRED.
REFERENCE GAUGE HEIGHT STABBOARD: 17' Z
NOTE: FOR ULLAGES LESS THAN 2'00" USE INNAUGE TABLE (INNAUGE BY ULLAGE)

Calculated: 1/15/2008
WHF 1/31/2009
August 6, 2009
Re-issued:
For Revised Trim Correction

Trim Correction
+12" -1/8
+9" -7/8
+6" -5/8
+3" -1/4
EVEN 0
-3" 1/4
-6" 5/8
-9" 7/8
-1'0" 1 1/8
-1'3" 1 3/8
-1'6" 1 3/4
-1'9" 2
-2'0" 2 1/4
-2'3" 2 5/8
-2'6" 3 1/8
-2'9" 3 1/2
-3'0" 3 3/4
-3'3" 4
-3'6" 4 1/4
-3'9" 4 5/8
-4'0" 4 7/8
-4'3" 5 1/8
-4'6" 5 1/2
-4'9" 5 3/4
-5'0" 6
-5'3" 6 1/4
-5'6" 6 5/8
-5'9" 6 7/8
-6'0" 7 1/8
-6'3" 7 1/2
-6'6" 7 3/4
-6'9" 7 3/4

ULLAGE TABLE
TANK: 4 Port

CAPACITIES IN U.S. BARRELS

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

HULL No. 05-5539

IN	2 FT		3 FT		4 FT		5 FT		6 FT		7 FT		8 FT		9 FT	
	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	3647.73	0	3402.52	0	3150.20	0	2897.77	0	2645.34	0	2392.93	0	2140.34	0	1887.42	0
1/4	3638.38	1/4	3397.36	1/4	3144.94	1/4	2892.51	1/4	2640.08	1/4	2387.67	1/4	2135.07	1/4	1882.15	1/4
1/2	3634.87	1/2	3392.11	1/2	3139.68	1/2	2887.26	1/2	2634.82	1/2	2382.41	1/2	2129.80	1/2	1876.88	1/2
3/4	3631.22	3/4	3386.85	#N/A	3134.42	3/4	2881.99	3/4	2629.57	3/4	2377.15	3/4	2124.53	3/4	1871.61	3/4
1	3627.43	1	3381.59	1	3129.16	1	2876.73	1	2624.31	1	2371.89	1	2119.26	1	1866.34	1
1/4	3623.49	1/4	3376.33	1/4	3123.90	1/4	2871.47	1/4	2619.05	1/4	2366.64	1/4	2113.99	1/4	1861.07	1/4
1/2	3619.40	1/2	3371.07	1/2	3118.64	1/2	2866.22	1/2	2613.79	1/2	2361.38	1/2	2108.72	1/2	1855.81	1/2
3/4	3615.16	3/4	3365.81	3/4	3113.38	3/4	2860.96	3/4	2608.53	3/4	2356.12	3/4	2103.45	3/4	1850.54	3/4
2	3610.78	2	3360.55	2	3108.13	2	2855.70	2	2603.27	2	2350.85	2	2098.18	2	1845.27	2
1/4	3606.26	1/4	3355.29	1/4	3102.87	1/4	2850.44	1/4	2598.01	1/4	2345.60	1/4	2092.91	1/4	1840.00	1/4
1/2	3601.58	1/2	3350.03	1/2	3097.61	1/2	2845.18	1/2	2592.75	1/2	2340.34	1/2	2087.65	1/2	1834.73	1/2
3/4	3596.76	3/4	3344.78	3/4	3092.35	3/4	2839.92	3/4	2587.50	3/4	2335.08	3/4	2082.38	3/4	1829.46	3/4
3	3591.80	3	3339.52	3	3087.09	3	2834.66	3	2582.24	3	2329.82	3	2077.11	3	1824.19	3
1/4	3586.69	1/4	3334.26	1/4	3081.83	1/4	2829.40	1/4	2576.98	1/4	2324.57	1/4	2071.84	1/4	1818.92	1/4
1/2	3581.43	1/2	3329.00	1/2	3076.57	1/2	2824.14	1/2	2571.72	1/2	2319.31	1/2	2066.57	1/2	1813.65	1/2
3/4	3576.17	3/4	3323.74	3/4	3071.31	3/4	2818.89	3/4	2566.46	3/4	2314.05	3/4	2061.30	3/4	1808.38	3/4
4	3570.91	4	3318.48	4	3066.05	4	2813.63	4	2561.20	4	2308.79	4	2056.03	4	1803.11	4
1/4	3565.65	1/4	3313.22	1/4	3060.80	1/4	2808.37	1/4	2555.94	1/4	2303.53	1/4	2050.76	1/4	1797.85	1/4
1/2	3560.39	1/2	3307.96	1/2	3055.54	1/2	2803.11	1/2	2550.69	1/2	2298.27	1/2	2045.49	1/2	1792.58	1/2
3/4	3555.13	3/4	3302.70	3/4	3050.28	3/4	2797.85	3/4	2545.43	3/4	2293.01	3/4	2040.22	3/4	1787.31	3/4
5	3549.87	5	3297.45	5	3045.02	5	2792.59	5	2540.17	5	2287.76	5	2034.95	5	1782.04	5
1/4	3544.61	1/4	3292.19	1/4	3039.76	1/4	2787.33	1/4	2534.91	1/4	2282.50	1/4	2029.69	1/4	1776.77	1/4
1/2	3539.36	1/2	3286.93	1/2	3034.50	1/2	2782.07	1/2	2529.65	1/2	2277.24	1/2	2024.42	1/2	1771.50	1/2
3/4	3534.10	3/4	3281.67	3/4	3029.24	3/4	2776.81	3/4	2524.39	3/4	2271.98	3/4	2019.15	3/4	1766.23	3/4
6	3528.84	6	3276.41	6	3023.98	6	2771.56	6	2519.13	6	2266.72	6	2013.88	6	1760.96	6
1/4	3523.58	1/4	3271.15	1/4	3018.72	1/4	2766.30	1/4	2513.87	1/4	2261.46	1/4	2008.61	1/4	1755.69	1/4
1/2	3518.32	1/2	3265.89	1/2	3013.47	1/2	2761.04	1/2	2508.62	1/2	2256.20	1/2	2003.34	1/2	1750.42	1/2
3/4	3513.06	3/4	3260.63	3/4	3008.21	3/4	2755.78	3/4	2503.36	3/4	2250.95	3/4	1998.07	3/4	1745.15	3/4
7	3507.80	7	3255.37	7	3002.95	7	2750.52	7	2498.10	7	2245.69	7	1992.80	7	1739.89	7
1/4	3502.54	1/4	3250.12	1/4	2997.69	1/4	2745.26	1/4	2492.84	1/4	2240.43	1/4	1987.53	1/4	1734.62	1/4
1/2	3497.28	1/2	3244.86	1/2	2992.43	1/2	2740.00	1/2	2487.58	1/2	2235.17	1/2	1982.26	1/2	1729.35	1/2
3/4	3492.03	3/4	3239.60	3/4	2987.17	3/4	2734.74	3/4	2482.32	3/4	2229.91	3/4	1976.99	3/4	1724.08	3/4
8	3486.77	8	3234.34	8	2981.91	8	2729.48	8	2477.07	8	2224.64	8	1971.73	8	1718.81	8
1/4	3481.51	1/4	3229.08	1/4	2976.65	1/4	2724.23	1/4	2471.81	1/4	2219.37	1/4	1966.46	1/4	1713.54	1/4
1/2	3476.25	1/2	3223.82	1/2	2971.39	1/2	2718.97	1/2	2466.55	1/2	2214.10	1/2	1961.19	1/2	1708.27	1/2
3/4	3470.99	3/4	3218.56	3/4	2966.14	3/4	2713.71	3/4	2461.29	3/4	2208.84	3/4	1955.92	3/4	1703.00	3/4
9	3465.73	9	3213.30	9	2960.88	9	2708.45	9	2456.03	9	2203.57	9	1950.65	9	1697.73	9
1/4	3460.47	1/4	3208.04	1/4	2955.62	1/4	2703.19	1/4	2450.77	1/4	2198.30	1/4	1945.38	1/4	1692.46	1/4
1/2	3455.21	1/2	3202.79	1/2	2950.36	1/2	2697.93	1/2	2445.51	1/2	2193.03	1/2	1940.11	1/2	1687.19	1/2
3/4	3449.95	3/4	3197.53	3/4	2945.10	3/4	2692.67	3/4	2440.26	3/4	2187.76	3/4	1934.84	3/4	1681.93	3/4
10	3444.69	10	3192.27	10	2939.84	10	2687.41	10	2435.00	10	2182.49	10	1929.57	10	1676.66	10
1/4	3439.44	1/4	3187.01	1/4	2934.58	1/4	2682.15	1/4	2429.74	1/4	2177.22	1/4	1924.30	1/4	1671.39	1/4
1/2	3434.18	1/2	3181.75	1/2	2929.32	1/2	2676.90	1/2	2424.48	1/2	2171.95	1/2	1919.03	1/2	1666.12	1/2
3/4	3428.92	3/4	3176.49	3/4	2924.06	3/4	2671.64	3/4	2419.22	3/4	2166.68	3/4	1913.77	3/4	1660.85	3/4
11	3423.66	11	3171.23	11	2918.80	11	2666.38	11	2413.96	11	2161.41	11	1908.50	11	1655.58	11
1/4	3418.40	1/4	3165.97	1/4	2913.55	1/4	2661.12	1/4	2408.70	1/4	2156.14	1/4	1903.23	1/4	1650.31	1/4
1/2	3413.14	1/2	3160.71	1/2	2908.29	1/2	2655.86	1/2	2403.45	1/2	2150.88	1/2	1897.96	1/2	1645.04	1/2
3/4	3407.88	3/4	3155.46	3/4	2903.03	3/4	2650.60	3/4	2398.19	3/4	2145.61	3/4	1892.69	3/4	1639.77	3/4

NOTE: GAUGE POINT: TO TOP LIP OF 10" GAUGE HATCH ON EXPANSION TRUNK.
NOTE: GAUGE POINT LOCATED NEAR AFT OF TANK - TRIM CORRECTION REQUIRED.

REFERENCE GAUGE HEIGHT PORT: 17' 1 3/4"
NOTE: FOR ULLAGES LESS THAN 2'00" USE INNAUGE TABLE (INNAUGE BY ULLAGE)

Calibrated: JF 1/15/2008
Calculation: WHF 1/31/2008
Re-issued: August 6, 2009
For Revised Trim Correction

Intertek
Caleb Brett

BARGE GRIFCO 3810

ULLAGE TABLE

TANK: 4 Port

CAPACITIES IN U.S. BARRELS

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

HULL No. 05-5539

IN	10 FT		11 FT		12 FT		13 FT		14 FT		15 FT		16 FT		17 FT	
	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	1634.50	0	1387.59	0	1128.70	0	875.84	0	623.76	0	372.53	0	121.27	0	0.33	
1/4	1629.23	1/4	1376.33	1/4	1123.43	1/4	870.55	1/4	618.53	1/4	367.30	1/4	116.06	1/4	0.28	
1/2	1623.97	1/2	1371.06	1/2	1118.16	1/2	865.33	1/2	613.31	1/2	362.06	1/2	110.86	1/2	0.23	
3/4	1618.70	3/4	1365.79	3/4	1112.89	3/4	860.08	3/4	608.08	3/4	356.83	3/4	105.69	3/4	0.19	
1	1613.43	1	1360.52	1	1107.62	1	854.82	1	602.85	1	351.59	1	100.53	1	0.14	
1/4	1608.16	1/4	1355.25	1/4	1102.35	1/4	849.57	1/4	597.61	1/4	346.36	1/4	95.39	1/4	0.09	
1/2	1602.89	1/2	1349.98	1/2	1097.08	1/2	844.31	1/2	592.38	1/2	341.12	1/2	90.27	1/2	0.05	
3/4	1597.62	3/4	1344.71	3/4	1091.81	3/4	839.06	3/4	587.14	3/4	335.89	3/4	85.17	3/4	0.00	
2	1592.35	2	1339.45	2	1086.55	2	833.80	2	581.91	2	330.65	2	80.09	2		
1/4	1587.08	1/4	1334.18	1/4	1081.28	1/4	828.55	1/4	576.68	1/4	325.42	1/4	75.03	1/4		
1/2	1581.81	1/2	1328.91	1/2	1076.01	1/2	823.29	1/2	571.44	1/2	320.18	1/2	69.99	1/2		
3/4	1576.54	3/4	1323.64	3/4	1070.74	3/4	818.03	3/4	566.21	3/4	314.95	3/4	64.97	3/4		
3	1571.27	3	1318.37	3	1065.47	3	812.78	3	560.97	3	309.72	3	59.97	3		
1/4	1566.00	1/4	1313.10	1/4	1060.20	1/4	807.52	1/4	555.74	1/4	304.48	1/4	54.99	1/4		
1/2	1560.74	1/2	1307.83	1/2	1054.93	1/2	802.27	1/2	550.50	1/2	299.25	1/2	50.02	1/2		
3/4	1555.47	3/4	1302.57	3/4	1049.66	3/4	797.01	3/4	545.27	3/4	294.01	3/4	45.08	3/4		
4	1550.20	4	1297.30	4	1044.40	4	791.76	4	540.03	4	288.78	4	40.15	4		
1/4	1544.93	1/4	1292.03	1/4	1039.13	1/4	786.50	1/4	534.80	1/4	283.54	1/4	35.26	1/4		
1/2	1539.66	1/2	1286.76	1/2	1033.86	1/2	781.25	1/2	529.56	1/2	278.31	1/2	30.67	1/2		
3/4	1534.39	3/4	1281.49	3/4	1028.59	3/4	775.99	3/4	524.33	3/4	273.07	3/4	26.43	3/4		
5	1529.12	5	1276.22	5	1023.32	5	770.73	5	519.10	5	267.84	5	22.51	5		
1/4	1523.85	1/4	1270.95	1/4	1018.05	1/4	765.48	1/4	513.86	1/4	262.61	1/4	18.92	1/4		
1/2	1518.58	1/2	1265.69	1/2	1012.78	1/2	760.22	1/2	508.63	1/2	257.37	1/2	15.66	1/2		
3/4	1513.31	3/4	1260.42	3/4	1007.51	3/4	754.97	3/4	503.39	3/4	252.14	3/4	12.73	3/4		
6	1508.04	6	1255.15	6	1002.25	6	749.71	6	498.16	6	246.90	6	10.13	6		
1/4	1502.78	1/4	1249.88	1/4	996.98	1/4	744.46	1/4	492.92	1/4	241.67	1/4	7.86	1/4		
1/2	1497.51	1/2	1244.61	1/2	991.71	1/2	739.20	1/2	487.69	1/2	236.43	1/2	5.92	1/2		
3/4	1492.24	3/4	1239.34	3/4	986.44	3/4	733.95	3/4	482.45	3/4	231.20	3/4	4.31	3/4		
7	1486.97	7	1234.07	7	981.17	7	728.69	7	477.22	7	225.96	7	3.03	7		
1/4	1481.70	1/4	1228.80	1/4	975.90	1/4	723.44	1/4	471.99	1/4	220.73	1/4	2.07	1/4		
1/2	1476.43	1/2	1223.53	1/2	970.63	1/2	718.18	1/2	466.75	1/2	215.49	1/2	1.43	1/2		
3/4	1471.16	3/4	1218.27	3/4	965.36	3/4	712.92	3/4	461.52	3/4	210.26	3/4	1.12	3/4		
8	1465.89	8	1213.00	8	960.09	8	707.67	8	456.28	8	205.02	8	1.07	8		
1/4	1460.62	1/4	1207.73	1/4	954.83	1/4	702.41	1/4	451.05	1/4	199.79	1/4	1.03	1/4		
1/2	1455.35	1/2	1202.46	1/2	949.56	1/2	697.16	1/2	445.81	1/2	194.56	1/2	0.98	1/2		
3/4	1450.09	3/4	1197.19	3/4	944.29	3/4	691.90	3/4	440.58	3/4	189.32	3/4	0.93	3/4		
9	1444.82	9	1191.92	9	939.02	9	686.63	9	435.34	9	184.09	9	0.89	9		
1/4	1439.55	1/4	1186.65	1/4	933.75	1/4	681.36	1/4	430.11	1/4	178.85	1/4	0.84	1/4		
1/2	1434.28	1/2	1181.38	1/2	928.48	1/2	676.09	1/2	424.87	1/2	173.62	1/2	0.79	1/2		
3/4	1429.01	3/4	1176.12	3/4	923.21	3/4	670.82	3/4	419.64	3/4	168.39	3/4	0.75	3/4		
10	1423.74	10	1170.85	10	917.94	10	665.55	10	414.41	10	163.15	10	0.70	10		
1/4	1418.47	1/4	1165.58	1/4	912.68	1/4	660.33	1/4	409.17	1/4	157.92	1/4	0.66	1/4		
1/2	1413.21	1/2	1160.31	1/2	907.41	1/2	655.10	1/2	403.94	1/2	152.68	1/2	0.61	1/2		
3/4	1407.94	3/4	1155.04	3/4	902.14	3/4	649.88	3/4	398.70	3/4	147.45	3/4	0.56	3/4		
11	1402.67	11	1149.77	11	896.87	11	644.65	11	393.47	11	142.21	11	0.51	11		
1/4	1397.40	1/4	1144.50	1/4	891.61	1/4	639.43	1/4	388.23	1/4	136.98	1/4	0.47	1/4		
1/2	1392.13	1/2	1139.23	1/2	886.36	1/2	634.21	1/2	383.00	1/2	131.74	1/2	0.42	1/2		
3/4	1386.86	3/4	1133.97	3/4	881.10	3/4	628.98	3/4	377.76	3/4	126.51	3/4	0.37	3/4		

Trim Correction

+12"	-1/8
+9"	-7/8
+6"	-5/8
+3"	-1/4
EVEN	0
-3"	1/4
-6"	5/8
-9"	7/8
-12"	1 1/8
-15"	1 3/8
-18"	1 3/4
-21"	2
-24"	2 1/4
-27"	2 5/8
-30"	2 7/8
-33"	3 1/8
-36"	3 1/2
-39"	3 3/4
-42"	4
-45"	4 1/4
-48"	4 5/8
-51"	5 1/8
-54"	5 1/2
-57"	5 3/4
-60"	6
-63"	6 1/4
-66"	6 5/8
-69"	6 7/8
-72"	7 1/8
-75"	7 1/2
-78"	7 3/4

NOTE: GAUGE POINT: TO TOP LIP OF 10" GAUGE HATCH, ON EXPANSION TRUNK
 NOTE: GAUGE POINT LOCATED NEAR AFT OF TANK - TRIM CORRECTION REQUIRED.
 REFERENCE GAUGE HEIGHT PORT: 17' 1 9/16"
 NOTE: FOR ULLAGES LESS THAN 2' 0" USE INNAUGE TABLE (INNAUGE BY ULLAGE)

Calibrated: JF 1/15/2009
 Calculation: WHF 1/13/2009
 Re-issued: August 6, 2009
 For Revised Trim Correction

Intertek
Caleb Brett

BARGE GRIFCO 3810

ULLAGE TABLE TANK: 4 Stbd

CAPACITIES IN U.S. BARRELS

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

HULL No. 05-5539

IN	2 FT		3 FT		4 FT		5 FT		6 FT		7 FT		8 FT		9 FT	
	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	3644.94	0	3407.88	0	3155.46	0	2903.03	0	2650.60	0	2398.19	0	2145.61	0	1892.69	0
1/4	3641.73	1/4	3402.62	1/4	3150.20	1/4	2897.77	1/4	2645.34	1/4	2392.93	1/4	2140.34	1/4	1887.42	1/4
1/2	3638.38	1/2	3397.36	1/2	3144.94	1/2	2892.51	1/2	2640.08	1/2	2387.67	1/2	2135.07	1/2	1882.15	1/2
3/4	3634.87	3/4	3392.11	3/4	3139.68	3/4	2887.25	3/4	2634.82	3/4	2382.41	3/4	2129.80	3/4	1876.88	3/4
1	3631.22	1	3386.85	1	3134.42	1	2881.99	1	2629.57	1	2377.15	1	2124.53	1	1871.61	1
1/4	3627.43	1/4	3381.59	1/4	3129.16	1/4	2876.73	1/4	2624.31	1/4	2371.89	1/4	2119.26	1/4	1866.34	1/4
1/2	3623.49	1/2	3376.33	1/2	3123.90	1/2	2871.47	1/2	2619.05	1/2	2366.64	1/2	2113.99	1/2	1861.07	1/2
3/4	3619.40	3/4	3371.07	3/4	3118.64	3/4	2866.22	3/4	2613.79	3/4	2361.38	3/4	2108.72	3/4	1855.81	3/4
2	3615.16	2	3365.81	2	3113.38	2	2860.96	2	2608.53	2	2356.12	2	2103.45	2	1850.54	2
1/4	3610.78	1/4	3360.55	1/4	3108.13	1/4	2855.70	1/4	2603.27	1/4	2350.86	1/4	2098.18	1/4	1845.27	1/4
1/2	3606.26	1/2	3355.29	1/2	3102.87	1/2	2850.44	1/2	2598.01	1/2	2345.60	1/2	2092.91	1/2	1840.00	1/2
3/4	3601.58	3/4	3350.03	3/4	3097.61	3/4	2845.18	3/4	2592.75	3/4	2340.34	3/4	2087.65	3/4	1834.73	3/4
3	3596.76	3	3344.78	3	3092.35	3	2839.92	3	2587.50	3	2335.08	3	2082.38	3	1829.46	3
1/4	3591.80	1/4	3339.52	1/4	3087.09	1/4	2834.66	1/4	2582.24	1/4	2329.82	1/4	2077.11	1/4	1824.19	1/4
1/2	3586.69	1/2	3334.26	1/2	3081.83	1/2	2829.40	1/2	2576.98	1/2	2324.57	1/2	2071.84	1/2	1818.92	1/2
3/4	3581.43	3/4	3329.00	3/4	3076.57	3/4	2824.14	3/4	2571.72	3/4	2319.31	3/4	2066.57	3/4	1813.65	3/4
4	3576.17	4	3323.74	4	3071.31	4	2818.89	4	2566.46	4	2314.05	4	2061.30	4	1808.38	4
1/4	3570.91	1/4	3318.48	1/4	3066.05	1/4	2813.63	1/4	2561.20	1/4	2308.79	1/4	2056.03	1/4	1803.11	1/4
1/2	3565.65	1/2	3313.22	1/2	3060.80	1/2	2808.37	1/2	2555.94	1/2	2303.53	1/2	2050.76	1/2	1797.84	1/2
3/4	3560.39	3/4	3307.96	3/4	3055.54	3/4	2803.11	3/4	2550.69	3/4	2298.27	3/4	2045.49	3/4	1792.58	3/4
5	3555.13	5	3302.70	5	3050.28	5	2797.85	5	2545.43	5	2293.01	5	2040.22	5	1787.31	5
1/4	3549.87	1/4	3297.45	1/4	3045.02	1/4	2792.59	1/4	2540.17	1/4	2287.76	1/4	2034.95	1/4	1782.04	1/4
1/2	3544.61	1/2	3292.19	1/2	3039.76	1/2	2787.33	1/2	2534.91	1/2	2282.50	1/2	2029.69	1/2	1776.77	1/2
3/4	3539.36	3/4	3286.93	3/4	3034.50	3/4	2782.07	3/4	2529.65	3/4	2277.24	3/4	2024.42	3/4	1771.50	3/4
6	3534.10	6	3281.67	6	3029.24	6	2776.81	6	2524.39	6	2271.98	6	2019.15	6	1766.23	6
1/4	3528.84	1/4	3276.41	1/4	3023.98	1/4	2771.56	1/4	2519.13	1/4	2266.72	1/4	2013.88	1/4	1760.96	1/4
1/2	3523.58	1/2	3271.15	1/2	3018.72	1/2	2766.30	1/2	2513.88	1/2	2261.46	1/2	2008.61	1/2	1755.69	1/2
3/4	3518.32	3/4	3265.89	3/4	3013.47	3/4	2761.04	3/4	2508.62	3/4	2256.20	3/4	2003.34	3/4	1750.42	3/4
7	3513.06	7	3260.63	7	3008.21	7	2755.78	7	2503.36	7	2250.95	7	1998.07	7	1745.15	7
1/4	3507.80	1/4	3255.37	1/4	3002.95	1/4	2750.52	1/4	2498.10	1/4	2245.69	1/4	1992.80	1/4	1739.89	1/4
1/2	3502.54	1/2	3250.12	1/2	2997.69	1/2	2745.26	1/2	2492.84	1/2	2240.43	1/2	1987.53	1/2	1734.62	1/2
3/4	3497.28	3/4	3244.86	3/4	2992.43	3/4	2740.00	3/4	2487.58	3/4	2235.17	3/4	1982.26	3/4	1729.35	3/4
8	3492.03	8	3239.60	8	2987.17	8	2734.74	8	2482.32	8	2229.91	8	1976.99	8	1724.08	8
1/4	3486.77	1/4	3234.34	1/4	2981.91	1/4	2729.48	1/4	2477.07	1/4	2224.64	1/4	1971.73	1/4	1718.81	1/4
1/2	3481.51	1/2	3229.08	1/2	2976.65	1/2	2724.23	1/2	2471.81	1/2	2219.37	1/2	1966.46	1/2	1713.54	1/2
3/4	3476.25	3/4	3223.82	3/4	2971.39	3/4	2718.97	3/4	2466.55	3/4	2214.10	3/4	1961.19	3/4	1708.27	3/4
9	3470.99	9	3218.56	9	2966.14	9	2713.71	9	2461.29	9	2208.84	9	1955.92	9	1703.00	9
1/4	3465.73	1/4	3213.30	1/4	2960.88	1/4	2708.45	1/4	2456.03	1/4	2203.57	1/4	1950.65	1/4	1697.73	1/4
1/2	3460.47	1/2	3208.04	1/2	2955.62	1/2	2703.19	1/2	2450.77	1/2	2198.30	1/2	1945.38	1/2	1692.46	1/2
3/4	3455.21	3/4	3202.79	3/4	2950.36	3/4	2697.93	3/4	2445.51	3/4	2193.03	3/4	1940.11	3/4	1687.19	3/4
10	3449.95	10	3197.53	10	2945.10	10	2692.67	10	2440.26	10	2187.76	10	1934.84	10	1681.93	10
1/4	3444.69	1/4	3192.27	1/4	2939.84	1/4	2687.41	1/4	2435.00	1/4	2182.49	1/4	1929.57	1/4	1676.66	1/4
1/2	3439.44	1/2	3187.01	1/2	2934.58	1/2	2682.15	1/2	2429.74	1/2	2177.22	1/2	1924.30	1/2	1671.39	1/2
3/4	3434.18	3/4	3181.75	3/4	2929.32	3/4	2676.90	3/4	2424.48	3/4	2171.95	3/4	1919.03	3/4	1666.12	3/4
11	3428.92	11	3176.49	11	2924.06	11	2671.64	11	2419.22	11	2166.68	11	1913.77	11	1660.85	11
1/4	3423.66	1/4	3171.23	1/4	2918.80	1/4	2666.38	1/4	2413.96	1/4	2161.41	1/4	1908.50	1/4	1655.58	1/4
1/2	3418.40	1/2	3165.97	1/2	2913.55	1/2	2661.12	1/2	2408.70	1/2	2156.14	1/2	1903.23	1/2	1650.31	1/2
3/4	3413.14	3/4	3160.71	3/4	2908.29	3/4	2655.86	3/4	2403.45	3/4	2150.88	3/4	1897.96	3/4	1645.04	3/4

NOTE: GAUGE POINT: TO TOP 1/4" OF GAUGE HATCH, ON EXPANSION TRUNK.
NOTE: GAUGE POINT LOCATED NEAR AFT OF TANK. -TRIM CORRECTION REQUIRED.
REFERENCE GAUGE HEIGHT STABOARD, 17' 2"

NOTE: FOR ULLAGES LESS THAN 2'00" USE INNAUGE TABLE (INNAUGE BY ULLAGE)

Calculated: JF 1/15/2009
 Calculation: WHF 1/31/2009
 Re-issued: August 6, 2009
 For Revised Trim Correction

Intertek Caleb Brett

BARGE GRIFCO 3810

ULLAGE TABLE
TANK: 4 Stbd

CAPACITIES IN U.S. BARRELS

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

HULL No. 05-539

IN	10 FT		11 FT		12 FT		13 FT		14 FT		15 FT		16 FT		17 FT	
	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	1639.77	0	1386.86	0	1133.97	0	881.10	0	628.98	0	372.78	0	126.51	0	0.37	
1/4	1634.50	1/4	1381.59	1/4	1128.70	1/4	875.84	1/4	623.76	1/4	372.53	1/4	121.27	1/4	0.33	
1/2	1629.23	1/2	1376.33	1/2	1123.43	1/2	870.59	1/2	618.53	1/2	367.30	1/2	116.06	1/2	0.28	
3/4	1623.97	3/4	1371.06	3/4	1118.16	3/4	865.33	3/4	613.31	3/4	362.06	3/4	110.86	3/4	0.23	
1	1618.70	1	1365.79	1	1112.89	1	860.08	1	608.08	1	356.83	1	105.69	1	0.19	
1/4	1613.43	1/4	1360.52	1/4	1107.62	1/4	854.82	1/4	602.85	1/4	351.59	1/4	100.53	1/4	0.14	
1/2	1608.16	1/2	1355.25	1/2	1102.35	1/2	849.57	1/2	597.61	1/2	346.36	1/2	95.39	1/2	0.09	
3/4	1602.89	3/4	1349.98	3/4	1097.08	3/4	844.31	3/4	592.38	3/4	341.12	3/4	90.27	3/4	0.05	
2	1597.62	2	1344.71	2	1091.81	2	839.06	2	587.14	2	335.89	2	85.17	2	0.00	
1/4	1592.35	1/4	1339.45	1/4	1086.55	1/4	833.80	1/4	581.91	1/4	330.65	1/4	80.09	1/4		
1/2	1587.08	1/2	1334.18	1/2	1081.28	1/2	828.55	1/2	576.68	1/2	325.42	1/2	75.03	1/2		
3/4	1581.81	3/4	1328.91	3/4	1076.01	3/4	823.29	3/4	571.44	3/4	320.18	3/4	69.99	3/4		
3	1576.54	3	1323.64	3	1070.74	3	818.03	3	566.21	3	314.95	3	64.97	3		
1/4	1571.27	1/4	1318.37	1/4	1065.47	1/4	812.78	1/4	560.97	1/4	309.72	1/4	59.97	1/4		
1/2	1566.00	1/2	1313.10	1/2	1060.20	1/2	807.52	1/2	555.74	1/2	304.48	1/2	54.99	1/2		
3/4	1560.74	3/4	1307.83	3/4	1054.93	3/4	802.27	3/4	550.50	3/4	299.25	3/4	50.02	3/4		
4	1555.47	4	1302.57	4	1049.66	4	797.01	4	545.27	4	294.01	4	45.08	4		
1/4	1550.20	1/4	1297.30	1/4	1044.40	1/4	791.76	1/4	540.03	1/4	288.78	1/4	40.15	1/4		
1/2	1544.93	1/2	1292.03	1/2	1039.13	1/2	786.50	1/2	534.80	1/2	283.54	1/2	35.25	1/2		
3/4	1539.66	3/4	1286.76	3/4	1033.86	3/4	781.25	3/4	529.56	3/4	278.31	3/4	30.67	3/4		
5	1534.39	5	1281.49	5	1028.59	5	775.99	5	524.33	5	273.07	5	26.43	5		
1/4	1529.12	1/4	1276.22	1/4	1023.32	1/4	770.73	1/4	519.10	1/4	267.84	1/4	22.51	1/4		
1/2	1523.85	1/2	1270.95	1/2	1018.05	1/2	765.48	1/2	513.86	1/2	262.61	1/2	18.92	1/2		
3/4	1518.58	3/4	1265.69	3/4	1012.78	3/4	760.22	3/4	508.63	3/4	257.37	3/4	15.66	3/4		
6	1513.31	6	1260.42	6	1007.51	6	754.97	6	503.39	6	252.14	6	12.73	6		
1/4	1508.04	1/4	1255.15	1/4	1002.25	1/4	749.71	1/4	498.16	1/4	246.90	1/4	10.13	1/4		
1/2	1502.78	1/2	1249.88	1/2	996.98	1/2	744.46	1/2	492.92	1/2	241.67	1/2	7.86	1/2		
3/4	1497.51	3/4	1244.61	3/4	991.71	3/4	739.20	3/4	487.69	3/4	236.43	3/4	5.92	3/4		
7	1492.24	7	1239.34	7	986.44	7	733.95	7	482.45	7	231.20	7	4.31	7		
1/4	1486.97	1/4	1234.07	1/4	981.17	1/4	728.69	1/4	477.22	1/4	225.96	1/4	3.03	1/4		
1/2	1481.70	1/2	1228.80	1/2	975.90	1/2	723.44	1/2	471.99	1/2	220.73	1/2	2.07	1/2		
3/4	1476.43	3/4	1223.53	3/4	970.63	3/4	718.18	3/4	466.75	3/4	215.49	3/4	1.43	3/4		
8	1471.16	8	1218.27	8	965.36	8	712.92	8	461.52	8	210.26	8	1.12	8		
1/4	1465.89	1/4	1213.00	1/4	960.09	1/4	707.67	1/4	456.28	1/4	205.02	1/4	1.07	1/4		
1/2	1460.62	1/2	1207.73	1/2	954.83	1/2	702.41	1/2	451.05	1/2	199.79	1/2	1.03	1/2		
3/4	1455.35	3/4	1202.46	3/4	949.56	3/4	697.16	3/4	445.81	3/4	194.56	3/4	0.98	3/4		
9	1450.09	9	1197.19	9	944.29	9	691.90	9	440.58	9	189.32	9	0.93	9		
1/4	1444.82	1/4	1191.92	1/4	939.02	1/4	686.65	1/4	435.34	1/4	184.09	1/4	0.89	1/4		
1/2	1439.55	1/2	1186.65	1/2	933.75	1/2	681.36	1/2	430.11	1/2	178.85	1/2	0.84	1/2		
3/4	1434.28	3/4	1181.38	3/4	928.48	3/4	676.09	3/4	424.87	3/4	173.62	3/4	0.79	3/4		
10	1429.01	10	1176.12	10	923.21	10	670.82	10	419.64	10	168.39	10	0.75	10		
1/4	1423.74	1/4	1170.85	1/4	917.94	1/4	665.55	1/4	414.41	1/4	163.15	1/4	0.70	1/4		
1/2	1418.47	1/2	1165.58	1/2	912.68	1/2	660.33	1/2	409.17	1/2	157.92	1/2	0.65	1/2		
3/4	1413.21	3/4	1160.31	3/4	907.41	3/4	655.10	3/4	403.94	3/4	152.68	3/4	0.61	3/4		
11	1407.94	11	1155.04	11	902.14	11	649.88	11	398.70	11	147.45	11	0.56	11		
1/4	1402.67	1/4	1149.77	1/4	896.87	1/4	644.65	1/4	393.47	1/4	142.21	1/4	0.51	1/4		
1/2	1397.40	1/2	1144.50	1/2	891.61	1/2	639.43	1/2	388.23	1/2	136.98	1/2	0.47	1/2		
3/4	1392.13	3/4	1139.23	3/4	886.36	3/4	634.21	3/4	383.00	3/4	131.74	3/4	0.42	3/4		

NOTE: GAUGE POINT: TO TOP UP OF 10" GAUGE HATCH, ON EXPANSION TRUNK
NOTE: GAUGE POINT LOCATED NEAR AFT OF TANK. -TRIM CORRECTION REQUIRED.
REFERENCE GAUGE HEIGHT STABOARD, 17' 2"
NOTE: FOR ULLAGES LESS THAN 2 00" USE INPAGE TABLE (UNNED BY ULLAGE)

Calibrated: JF 1/15/2009
Calculation: WHF 1/31/2009
Revised: August 8, 2009
For Revised Trim Correction

Trim Correction
+12" -1/8
+9" -7/8
+6" -5/8
+3" -1/4
EVEN 0
-3" 1/4
-6" 5/8
-9" 7/8
-1" 1/8
-1 3/8
-1 3/4
-1 9/8
-2 1/4
-2 5/8
-2 7/8
-2 9/8
-3 1/8
-3 3/4
-3 5/8
-4 1/4
-4 5/8
-4 7/8
-5 1/8
-5 1/2
-5 3/4
-5 7/8
-6 1/4
-6 5/8
-6 7/8
-7 1/8
-7 1/2
-7 3/4

ULLAGE TABLE
TANK: 5 Port

CAPACITIES IN U.S. BARRELS

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

HULL No. 06-5539

IN	2 FT		3 FT		4 FT		5 FT		6 FT		7 FT		8 FT		9 FT	
	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	3509.63	0	3461.85	0	3410.95	0	3360.05	0	3309.15	0	3258.25	0	3207.35	0	3156.45	0
1/4	3508.98	1/4	3460.79	1/4	3409.89	1/4	3358.99	1/4	3308.09	1/4	3257.19	1/4	3206.29	1/4	3155.39	1/4
1/2	3508.31	1/2	3459.73	1/2	3408.83	1/2	3358.09	1/2	3307.19	1/2	3256.29	1/2	3205.39	1/2	3154.49	1/2
3/4	3507.61	3/4	3458.67	#N/A	3407.77	3/4	3357.19	3/4	3306.29	3/4	3255.39	3/4	3204.49	3/4	3153.59	3/4
1	3506.87	1	3457.61	1	3406.71	1	3355.81	1	3304.91	1	3254.01	1	3203.11	1	3152.21	1
1/4	3506.11	1/4	3456.55	1/4	3405.65	1/4	3354.75	1/4	3303.85	1/4	3252.95	1/4	3202.05	1/4	3151.15	1/4
1/2	3505.32	1/2	3455.49	1/2	3404.59	1/2	3353.69	1/2	3302.79	1/2	3251.89	1/2	3200.99	1/2	3150.09	1/2
3/4	3504.50	3/4	3454.43	3/4	3403.53	3/4	3352.63	3/4	3301.73	3/4	3250.83	3/4	3199.93	3/4	3149.03	3/4
2	3503.64	2	3453.37	2	3402.47	2	3351.57	2	3300.67	2	3249.77	2	3198.87	2	3147.97	2
1/4	3502.76	1/4	3452.31	1/4	3401.41	1/4	3350.51	1/4	3300.01	1/4	3249.11	1/4	3198.21	1/4	3147.21	1/4
1/2	3501.85	1/2	3451.25	1/2	3400.35	1/2	3349.45	1/2	3299.15	1/2	3248.45	1/2	3197.55	1/2	3146.55	1/2
3/4	3500.91	3/4	3450.19	3/4	3399.29	3/4	3348.39	3/4	3298.09	3/4	3247.79	3/4	3196.89	3/4	3145.89	3/4
3	3499.94	3	3449.13	3	3398.23	3	3347.33	3	3297.03	3	3246.33	3	3196.03	3	3145.03	3
1/4	3498.94	1/4	3448.07	1/4	3397.17	1/4	3346.27	1/4	3295.97	1/4	3245.27	1/4	3195.17	1/4	3144.17	1/4
1/2	3497.91	1/2	3447.01	1/2	3396.11	1/2	3345.21	1/2	3294.91	1/2	3244.21	1/2	3194.31	1/2	3143.31	1/2
3/4	3496.85	3/4	3445.95	3/4	3395.05	3/4	3344.15	3/4	3293.85	3/4	3243.15	3/4	3193.45	3/4	3142.45	3/4
4	3495.79	4	3444.89	4	3393.99	4	3343.09	4	3292.79	4	3242.09	4	3192.39	4	3141.59	4
1/4	3494.72	1/4	3443.83	1/4	3392.93	1/4	3342.03	1/4	3291.73	1/4	3241.03	1/4	3191.43	1/4	3140.73	1/4
1/2	3493.66	1/2	3442.77	1/2	3391.87	1/2	3340.97	1/2	3290.67	1/2	3240.07	1/2	3190.57	1/2	3139.87	1/2
3/4	3492.60	3/4	3441.70	3/4	3390.81	3/4	3339.91	3/4	3289.51	3/4	3238.81	3/4	3189.11	3/4	3138.91	3/4
5	3491.54	5	3440.64	5	3389.75	5	3338.85	5	3288.35	5	3237.65	5	3188.15	5	3138.05	5
1/4	3490.48	1/4	3439.58	1/4	3388.68	1/4	3337.79	1/4	3287.29	1/4	3236.59	1/4	3187.09	1/4	3137.19	1/4
1/2	3489.42	1/2	3438.52	1/2	3387.62	1/2	3336.73	1/2	3286.23	1/2	3235.53	1/2	3186.03	1/2	3136.23	1/2
3/4	3488.36	3/4	3437.46	3/4	3386.56	3/4	3335.66	3/4	3285.16	3/4	3234.46	3/4	3184.96	3/4	3135.36	3/4
6	3487.30	6	3436.40	6	3385.50	6	3334.60	6	3284.10	6	3233.40	6	3183.90	6	3134.30	6
1/4	3486.24	1/4	3435.34	1/4	3384.44	1/4	3333.54	1/4	3283.04	1/4	3232.34	1/4	3182.84	1/4	3133.44	1/4
1/2	3485.18	1/2	3434.28	1/2	3383.38	1/2	3332.48	1/2	3281.98	1/2	3231.28	1/2	3181.78	1/2	3132.58	1/2
3/4	3484.12	3/4	3433.22	3/4	3382.32	3/4	3331.42	3/4	3280.92	3/4	3230.22	3/4	3180.72	3/4	3131.62	3/4
7	3483.06	7	3432.16	7	3381.26	7	3330.36	7	3279.86	7	3229.16	7	3179.66	7	3130.76	7
1/4	3482.00	1/4	3431.10	1/4	3380.20	1/4	3329.30	1/4	3278.80	1/4	3228.10	1/4	3178.60	1/4	3129.80	1/4
1/2	3480.94	1/2	3430.04	1/2	3379.14	1/2	3328.24	1/2	3277.74	1/2	3227.04	1/2	3177.54	1/2	3128.94	1/2
3/4	3479.88	3/4	3428.98	3/4	3378.08	3/4	3327.18	3/4	3276.68	3/4	3226.34	3/4	3176.48	3/4	3128.08	3/4
8	3478.82	8	3427.92	8	3377.02	8	3326.12	8	3275.62	8	3225.28	8	3175.42	8	3127.22	8
1/4	3477.76	1/4	3426.86	1/4	3375.96	1/4	3325.06	1/4	3274.56	1/4	3224.22	1/4	3174.36	1/4	3126.36	1/4
1/2	3476.70	1/2	3425.80	1/2	3374.90	1/2	3324.00	1/2	3273.50	1/2	3223.16	1/2	3173.30	1/2	3125.50	1/2
3/4	3475.64	3/4	3424.74	3/4	3373.84	3/4	3322.94	3/4	3272.44	3/4	3222.10	3/4	3172.24	3/4	3124.64	3/4
9	3474.58	9	3423.68	9	3372.78	9	3321.88	9	3271.38	9	3221.04	9	3171.18	9	3123.78	9
1/4	3473.52	1/4	3422.62	1/4	3371.72	1/4	3320.82	1/4	3270.32	1/4	3220.00	1/4	3170.12	1/4	3122.92	1/4
1/2	3472.46	1/2	3421.56	1/2	3370.66	1/2	3319.76	1/2	3269.26	1/2	3218.96	1/2	3169.06	1/2	3122.06	1/2
3/4	3471.40	3/4	3420.50	3/4	3369.60	3/4	3318.70	3/4	3268.20	3/4	3217.90	3/4	3168.00	3/4	3121.20	3/4
10	3470.34	10	3419.44	10	3368.54	10	3317.64	10	3267.14	10	3216.84	10	3167.04	10	3120.34	10
1/4	3469.28	1/4	3418.38	1/4	3367.48	1/4	3316.58	1/4	3266.08	1/4	3215.78	1/4	3166.08	1/4	3119.48	1/4
1/2	3468.21	1/2	3417.32	1/2	3366.42	1/2	3315.52	1/2	3265.02	1/2	3214.72	1/2	3165.02	1/2	3118.62	1/2
3/4	3467.15	3/4	3416.26	3/4	3365.36	3/4	3314.46	3/4	3263.96	3/4	3213.66	3/4	3164.06	3/4	3117.76	3/4
11	3466.09	11	3415.19	11	3364.30	11	3313.40	11	3262.90	11	3212.60	11	3163.00	11	3116.90	11
1/4	3465.03	1/4	3414.13	1/4	3363.24	1/4	3312.34	1/4	3261.84	1/4	3211.54	1/4	3162.04	1/4	3116.04	1/4
1/2	3463.97	1/2	3413.07	1/2	3362.17	1/2	3311.27	1/2	3260.77	1/2	3210.47	1/2	3161.07	1/2	3115.17	1/2
3/4	3462.91	3/4	3412.01	3/4	3361.11	3/4	3310.21	3/4	3259.71	3/4	3209.41	3/4	3160.01	3/4	3114.31	3/4

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"
 NOTE: FOR ULLAGES LESS THAN 2' 0" USE INNAUGE TABLE (INNAUGE BY ULLAGE)

Calibrated: JF 1/15/2009
 Calculation: WHF 1/31/2009
 Re-issued: August 6, 2009
 For Revised Trim Correction

ULLAGE TABLE
TANK: 5 Port

CAPACITIES IN U.S. BARRELS

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

HULL No. 05-5539

IN	10 FT		11 FT		12 FT		13 FT		14 FT		15 FT		16 FT		17 FT	
	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	1975.63	0	1671.05	0	1366.49	0	1061.93	0	758.17	0	455.28	0	152.34	0	0.37	
1/4	1969.28	1/4	1664.71	1/4	1360.15	1/4	1055.67	1/4	751.87	1/4	448.97	1/4	146.03	1/4	0.33	
1/2	1962.93	1/2	1658.36	1/2	1353.80	1/2	1049.30	1/2	745.67	1/2	442.65	1/2	139.75	1/2	0.28	
3/4	1956.59	3/4	1652.02	3/4	1347.46	3/4	1042.97	3/4	739.27	3/4	436.34	3/4	133.48	3/4	0.23	
1	1950.24	1	1645.67	1	1341.11	1	1036.64	1	732.97	1	430.03	1	127.24	1	0.19	
1/4	1943.90	1/4	1639.33	1/4	1334.77	1/4	1030.31	1/4	726.66	1/4	423.72	1/4	121.02	1/4	0.14	
1/2	1937.56	1/2	1632.98	1/2	1328.42	1/2	1023.97	1/2	720.35	1/2	417.41	1/2	114.83	1/2	0.09	
3/4	1931.21	3/4	1626.64	3/4	1322.08	3/4	1017.64	3/4	714.04	3/4	411.10	3/4	108.66	3/4	0.05	
2	1924.86	2	1620.29	2	1315.73	2	1011.31	2	707.77	2	404.79	2	102.51	2	0.00	
1/4	1918.52	1/4	1613.95	1/4	1309.39	1/4	1004.98	1/4	701.41	1/4	398.48	1/4	96.38	1/4		
1/2	1912.17	1/2	1607.60	1/2	1303.04	1/2	998.65	1/2	695.10	1/2	392.16	1/2	90.28	1/2		
3/4	1905.83	3/4	1601.26	3/4	1296.70	3/4	992.31	3/4	688.79	3/4	385.85	3/4	84.20	3/4		
3	1899.48	3	1594.91	3	1290.35	3	985.98	3	682.48	3	379.54	3	78.15	3		
1/4	1893.14	1/4	1588.57	1/4	1284.01	1/4	979.65	1/4	676.17	1/4	373.23	1/4	72.12	1/4		
1/2	1886.79	1/2	1582.23	1/2	1277.66	1/2	973.32	1/2	669.86	1/2	366.92	1/2	66.11	1/2		
3/4	1880.44	3/4	1575.88	3/4	1271.32	3/4	966.99	3/4	663.55	3/4	360.61	3/4	60.13	3/4		
4	1874.10	4	1569.54	4	1264.97	4	960.65	4	657.23	4	354.30	4	54.16	4		
1/4	1867.76	1/4	1563.19	1/4	1258.63	1/4	954.32	1/4	650.92	1/4	347.99	1/4	48.23	1/4		
1/2	1861.41	1/2	1556.85	1/2	1252.28	1/2	947.99	1/2	644.61	1/2	341.67	1/2	42.31	1/2		
3/4	1855.06	3/4	1550.50	3/4	1245.94	3/4	941.66	3/4	638.30	3/4	335.36	3/4	36.79	3/4		
5	1848.72	5	1544.16	5	1239.59	5	935.33	5	631.99	5	329.05	5	31.67	5		
1/4	1842.37	1/4	1537.81	1/4	1233.25	1/4	928.99	1/4	625.68	1/4	322.74	1/4	26.95	1/4		
1/2	1836.03	1/2	1531.47	1/2	1226.90	1/2	922.66	1/2	619.37	1/2	316.43	1/2	22.62	1/2		
3/4	1829.68	3/4	1525.12	3/4	1220.56	3/4	916.33	3/4	613.06	3/4	310.12	3/4	18.69	3/4		
6	1823.34	6	1518.78	6	1214.21	6	910.00	6	606.75	6	303.81	6	15.15	6		
1/4	1816.99	1/4	1512.43	1/4	1207.87	1/4	903.67	1/4	600.43	1/4	297.50	1/4	12.02	1/4		
1/2	1810.65	1/2	1506.09	1/2	1201.52	1/2	897.33	1/2	594.12	1/2	291.19	1/2	9.27	1/2		
3/4	1804.30	3/4	1499.74	3/4	1195.18	3/4	891.00	3/4	587.81	3/4	284.87	3/4	6.93	3/4		
7	1797.95	7	1493.40	7	1188.83	7	884.67	7	581.50	7	278.56	7	4.93	7		
1/4	1791.61	1/4	1487.05	1/4	1182.49	1/4	878.34	1/4	575.19	1/4	272.25	1/4	3.43	1/4		
1/2	1785.26	1/2	1480.71	1/2	1176.14	1/2	872.01	1/2	568.88	1/2	265.94	1/2	2.27	1/2		
3/4	1778.92	3/4	1474.36	3/4	1169.80	3/4	865.67	3/4	562.57	3/4	259.63	3/4	1.60	3/4		
8	1772.57	8	1468.02	8	1163.45	8	859.34	8	556.26	8	253.32	8	1.12	8		
1/4	1766.23	1/4	1461.67	1/4	1157.11	1/4	853.01	1/4	549.94	1/4	247.01	1/4	1.07	1/4		
1/2	1759.88	1/2	1455.32	1/2	1150.76	1/2	846.68	1/2	543.63	1/2	240.70	1/2	1.03	1/2		
3/4	1753.54	3/4	1448.98	3/4	1144.41	3/4	840.34	3/4	537.32	3/4	234.39	3/4	0.98	3/4		
9	1747.19	9	1442.63	9	1138.07	9	834.01	9	531.01	9	228.08	9	0.93	9		
1/4	1740.85	1/4	1436.29	1/4	1131.72	1/4	827.67	1/4	524.70	1/4	221.77	1/4	0.89	1/4		
1/2	1734.50	1/2	1429.94	1/2	1125.38	1/2	821.32	1/2	518.39	1/2	215.45	1/2	0.84	1/2		
3/4	1728.16	3/4	1423.60	3/4	1119.03	3/4	814.97	3/4	512.08	3/4	209.14	3/4	0.79	3/4		
10	1721.81	10	1417.25	10	1112.69	10	808.63	10	505.77	10	202.83	10	0.75	10		
1/4	1715.47	1/4	1410.91	1/4	1106.34	1/4	802.28	1/4	499.45	1/4	196.52	1/4	0.70	1/4		
1/2	1709.12	1/2	1404.56	1/2	1100.00	1/2	795.98	1/2	493.14	1/2	190.21	1/2	0.65	1/2		
3/4	1702.78	3/4	1398.22	3/4	1093.65	3/4	789.68	3/4	486.83	3/4	183.90	3/4	0.61	3/4		
11	1696.43	11	1391.87	11	1087.31	11	783.38	11	480.52	11	177.59	11	0.56	11		
1/4	1690.09	1/4	1385.53	1/4	1080.96	1/4	777.08	1/4	474.21	1/4	171.28	1/4	0.51	1/4		
1/2	1683.74	1/2	1379.18	1/2	1074.63	1/2	770.78	1/2	467.90	1/2	164.97	1/2	0.47	1/2		
3/4	1677.40	3/4	1372.84	3/4	1068.30	3/4	764.47	3/4	461.59	3/4	158.66	3/4	0.42	3/4		

Trim Correction

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"
 NOTE FOR ULLAGES LESS THAN 2' OR USE INNAKE TABLE (INNAKE BY ULLAGE)

Calibrated: JF 1/15/2008
 Calculation: WHF 1/31/2008
 Re-issued: August 6, 2009
 For Revised Trim Correction

ULLAGE TABLE
TANK: 5 Stbd

CAPACITIES IN U.S. BARRELS

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

HULL No. 06-5639

IN	2 FT		3 FT		4 FT		5 FT		6 FT		7 FT		8 FT		9 FT	
	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	3509.63	0	3461.85	0	3410.95	0	3360.05	0	3313.10	0	3268.93	0	3228.78	0	3188.44	0
1/4	3508.98	1/4	3460.79	1/4	3409.89	1/4	3358.99	1/4	3311.67	1/4	3267.86	1/4	3227.80	1/4	3187.44	1/4
1/2	3508.31	1/2	3459.73	1/2	3408.83	1/2	3357.93	1/2	3310.43	1/2	3266.39	1/2	3226.51	1/2	3186.09	1/2
3/4	3507.61	3/4	3458.67	3/4	3407.77	3/4	3356.87	3/4	3309.14	3/4	3265.02	3/4	3225.17	3/4	3184.75	3/4
1	3506.87	1	3457.61	1	3406.71	1	3355.81	1	3307.76	1	3263.69	1	3223.82	1	3183.40	1
1/4	3506.11	1/4	3456.55	1/4	3405.65	1/4	3354.75	1/4	3306.43	1/4	3262.35	1/4	3222.48	1/4	3182.06	1/4
1/2	3505.32	1/2	3455.49	1/2	3404.59	1/2	3353.69	1/2	3305.09	1/2	3261.02	1/2	3221.13	1/2	3180.71	1/2
3/4	3504.50	3/4	3454.43	3/4	3403.53	3/4	3352.63	3/4	3303.76	3/4	3259.68	3/4	3219.78	3/4	3179.37	3/4
2	3503.64	2	3453.37	2	3402.47	2	3351.57	2	3302.42	2	3258.35	2	3218.42	2	3178.02	2
1/4	3502.76	1/4	3452.31	1/4	3401.41	1/4	3350.51	1/4	3301.09	1/4	3257.01	1/4	3217.07	1/4	3176.67	1/4
1/2	3501.85	1/2	3451.25	1/2	3400.35	1/2	3349.45	1/2	3300.75	1/2	3255.68	1/2	3215.75	1/2	3175.33	1/2
3/4	3500.91	3/4	3450.19	3/4	3399.29	3/4	3348.39	3/4	3299.42	3/4	3254.34	3/4	3214.41	3/4	3174.00	3/4
3	3499.94	3	3449.13	3	3398.23	3	3347.33	3	3298.33	3	3253.01	3	3213.01	3	3172.64	3
1/4	3498.94	1/4	3448.07	1/4	3397.17	1/4	3346.27	1/4	3297.08	1/4	3251.75	1/4	3211.75	1/4	3171.29	1/4
1/2	3497.91	1/2	3447.01	1/2	3396.11	1/2	3345.21	1/2	3295.75	1/2	3250.44	1/2	3210.44	1/2	3170.00	1/2
3/4	3496.85	3/4	3445.95	3/4	3395.05	3/4	3344.15	3/4	3294.42	3/4	3249.15	3/4	3209.15	3/4	3168.75	3/4
4	3495.79	4	3444.89	4	3393.99	4	3343.09	4	3293.14	4	3247.84	4	3207.84	4	3167.50	4
1/4	3494.72	1/4	3443.83	1/4	3392.93	1/4	3342.03	1/4	3291.84	1/4	3246.54	1/4	3206.54	1/4	3166.25	1/4
1/2	3493.66	1/2	3442.77	1/2	3391.87	1/2	3340.97	1/2	3290.54	1/2	3245.24	1/2	3205.24	1/2	3165.00	1/2
3/4	3492.60	3/4	3441.70	3/4	3390.81	3/4	3339.91	3/4	3289.24	3/4	3243.94	3/4	3203.94	3/4	3163.75	3/4
5	3491.54	5	3440.64	5	3389.75	5	3338.85	5	3287.94	5	3242.64	5	3202.64	5	3162.50	5
1/4	3490.48	1/4	3439.58	1/4	3388.68	1/4	3337.79	1/4	3286.67	1/4	3241.34	1/4	3201.34	1/4	3161.25	1/4
1/2	3489.42	1/2	3438.52	1/2	3387.62	1/2	3336.73	1/2	3285.42	1/2	3240.04	1/2	3200.04	1/2	3160.00	1/2
3/4	3488.36	3/4	3437.46	3/4	3386.56	3/4	3335.66	3/4	3284.14	3/4	3238.74	3/4	3198.74	3/4	3158.75	3/4
6	3487.30	6	3436.40	6	3385.50	6	3334.60	6	3282.84	6	3237.44	6	3197.44	6	3157.50	6
1/4	3486.24	1/4	3435.34	1/4	3384.44	1/4	3333.54	1/4	3281.54	1/4	3236.14	1/4	3196.14	1/4	3156.25	1/4
1/2	3485.18	1/2	3434.28	1/2	3383.38	1/2	3332.48	1/2	3280.24	1/2	3234.84	1/2	3194.84	1/2	3155.00	1/2
3/4	3484.12	3/4	3433.22	3/4	3382.32	3/4	3331.42	3/4	3278.94	3/4	3233.54	3/4	3193.54	3/4	3153.75	3/4
7	3483.06	7	3432.16	7	3381.26	7	3330.36	7	3277.64	7	3232.24	7	3192.24	7	3152.50	7
1/4	3482.00	1/4	3431.10	1/4	3380.20	1/4	3329.30	1/4	3276.34	1/4	3230.94	1/4	3190.94	1/4	3151.25	1/4
1/2	3480.94	1/2	3430.04	1/2	3379.14	1/2	3328.24	1/2	3275.04	1/2	3229.64	1/2	3189.64	1/2	3150.00	1/2
3/4	3479.88	3/4	3428.98	3/4	3378.08	3/4	3327.18	3/4	3273.74	3/4	3228.34	3/4	3188.34	3/4	3148.75	3/4
8	3478.82	8	3427.92	8	3377.02	8	3326.12	8	3272.44	8	3227.04	8	3187.04	8	3147.50	8
1/4	3477.76	1/4	3426.86	1/4	3375.96	1/4	3325.06	1/4	3271.14	1/4	3225.74	1/4	3185.74	1/4	3146.25	1/4
1/2	3476.70	1/2	3425.80	1/2	3374.90	1/2	3324.00	1/2	3269.84	1/2	3224.44	1/2	3184.44	1/2	3145.00	1/2
3/4	3475.64	3/4	3424.74	3/4	3373.84	3/4	3322.94	3/4	3268.54	3/4	3223.14	3/4	3183.14	3/4	3143.75	3/4
9	3474.58	9	3423.68	9	3372.78	9	3321.88	9	3267.24	9	3221.84	9	3181.84	9	3142.50	9
1/4	3473.52	1/4	3422.62	1/4	3371.72	1/4	3320.82	1/4	3265.94	1/4	3220.54	1/4	3180.54	1/4	3141.25	1/4
1/2	3472.46	1/2	3421.56	1/2	3370.66	1/2	3319.76	1/2	3264.64	1/2	3219.24	1/2	3179.24	1/2	3140.00	1/2
3/4	3471.40	3/4	3420.50	3/4	3369.60	3/4	3318.70	3/4	3263.34	3/4	3217.94	3/4	3177.94	3/4	3138.75	3/4
10	3470.34	10	3419.44	10	3368.54	10	3317.64	10	3262.04	10	3216.64	10	3176.64	10	3137.50	10
1/4	3469.28	1/4	3418.38	1/4	3367.48	1/4	3316.58	1/4	3260.74	1/4	3215.34	1/4	3175.34	1/4	3136.25	1/4
1/2	3468.21	1/2	3417.32	1/2	3366.42	1/2	3315.52	1/2	3259.44	1/2	3214.04	1/2	3174.04	1/2	3135.00	1/2
3/4	3467.15	3/4	3416.26	3/4	3365.36	3/4	3314.46	3/4	3258.14	3/4	3212.74	3/4	3172.74	3/4	3133.75	3/4
11	3466.09	11	3415.19	11	3364.30	11	3313.40	11	3256.84	11	3211.44	11	3171.44	11	3132.50	11
1/4	3465.03	1/4	3414.13	1/4	3363.24	1/4	3312.34	1/4	3255.54	1/4	3210.14	1/4	3170.14	1/4	3131.25	1/4
1/2	3463.97	1/2	3413.07	1/2	3362.17	1/2	3311.28	1/2	3254.24	1/2	3208.84	1/2	3168.84	1/2	3130.00	1/2
3/4	3462.91	3/4	3412.01	3/4	3361.11	3/4	3310.22	3/4	3252.94	3/4	3207.54	3/4	3167.54	3/4	3128.75	3/4

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: STABOARD: 17'2"

NOTE: FOR ULLAGES LESS THAN 2' OR USE INNAUGE TABLE (INNAUGE BY ULLAGE)

Calibrated: JF 1/15/2009
 Calculation: WHF 1/31/2009
 Re-issued: August 8, 2009
 For Revised Trim Correction

Intertek
Caleb Brett

ULLAGE TABLE
TANK: 5 Stbd

CAPACITIES IN U.S. BARRELS

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

HULL No. 05-5539

IN	10 FT		11 FT		12 FT		13 FT		14 FT		15 FT		16 FT		17 FT	
	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	1876.63	0	1874.05	0	1868.49	0	1861.97	0	1858.17	0	1852.28	0	1846.34	0	1840.34	0
1/4	1969.28	1/4	1664.71	1/4	1366.15	1/4	1066.63	1/4	761.87	1/4	458.97	1/4	152.34	1/4	146.03	1/4
1/2	1962.93	1/2	1658.36	1/2	1353.80	1/2	1049.90	1/2	745.57	1/2	442.65	1/2	139.75	1/2	133.48	1/2
3/4	1866.59	3/4	1652.02	3/4	1347.46	3/4	1042.37	3/4	739.27	3/4	436.34	3/4	133.48	3/4	127.24	3/4
1	1950.24	1	1645.67	1	1341.11	1	1036.64	1	732.97	1	430.03	1	127.24	1	121.02	1
1/4	1943.90	1/4	1639.33	1/4	1334.77	1/4	1030.31	1/4	726.66	1/4	423.72	1/4	121.02	1/4	114.83	1/4
1/2	1937.56	1/2	1632.98	1/2	1328.42	1/2	1023.97	1/2	720.35	1/2	417.41	1/2	114.83	1/2	108.66	1/2
3/4	1931.21	3/4	1626.64	3/4	1322.08	3/4	1017.64	3/4	714.04	3/4	411.10	3/4	108.66	3/4	102.51	3/4
2	1924.86	2	1620.29	2	1315.73	2	1011.31	2	707.72	2	404.79	2	102.51	2	96.38	2
1/4	1918.52	1/4	1613.95	1/4	1309.39	1/4	1004.98	1/4	701.41	1/4	398.48	1/4	96.38	1/4	90.28	1/4
1/2	1912.17	1/2	1607.60	1/2	1303.04	1/2	998.66	1/2	695.10	1/2	392.16	1/2	90.28	1/2	84.20	1/2
3/4	1905.83	3/4	1601.26	3/4	1296.70	3/4	992.31	3/4	688.79	3/4	385.85	3/4	84.20	3/4	78.15	3/4
3	1899.48	3	1594.91	3	1290.35	3	985.98	3	682.48	3	379.54	3	78.15	3	72.12	3
1/4	1893.14	1/4	1588.57	1/4	1284.01	1/4	979.65	1/4	676.17	1/4	373.23	1/4	72.12	1/4	66.11	1/4
1/2	1886.79	1/2	1582.23	1/2	1277.66	1/2	973.32	1/2	669.86	1/2	366.92	1/2	66.11	1/2	60.13	1/2
3/4	1880.44	3/4	1575.88	3/4	1271.32	3/4	966.99	3/4	663.55	3/4	360.61	3/4	60.13	3/4	54.16	3/4
4	1874.10	4	1569.54	4	1264.97	4	960.65	4	657.23	4	354.30	4	54.16	4	48.23	4
1/4	1867.75	1/4	1563.19	1/4	1258.63	1/4	954.32	1/4	650.92	1/4	347.99	1/4	48.23	1/4	42.31	1/4
1/2	1861.41	1/2	1556.85	1/2	1252.28	1/2	947.99	1/2	644.61	1/2	341.67	1/2	42.31	1/2	36.79	1/2
3/4	1855.06	3/4	1550.50	3/4	1245.94	3/4	941.66	3/4	638.30	3/4	335.36	3/4	36.79	3/4	30.77	3/4
5	1848.72	5	1544.16	5	1239.59	5	935.33	5	631.99	5	329.05	5	30.77	5	24.84	5
1/4	1842.37	1/4	1537.81	1/4	1233.25	1/4	928.99	1/4	625.68	1/4	322.74	1/4	24.84	1/4	18.95	1/4
1/2	1836.03	1/2	1531.47	1/2	1226.90	1/2	922.66	1/2	619.37	1/2	316.43	1/2	18.95	1/2	12.99	1/2
3/4	1829.68	3/4	1525.12	3/4	1220.56	3/4	916.33	3/4	613.06	3/4	310.12	3/4	12.99	3/4	7.03	3/4
6	1823.34	6	1518.78	6	1214.21	6	910.00	6	606.75	6	303.81	6	7.03	6	1.07	6
1/4	1816.99	1/4	1512.43	1/4	1207.87	1/4	903.67	1/4	600.43	1/4	297.50	1/4	1.07	1/4	0.00	1/4
1/2	1810.65	1/2	1506.09	1/2	1201.52	1/2	897.33	1/2	594.12	1/2	291.19	1/2	0.00	1/2	-0.93	1/2
3/4	1804.30	3/4	1499.74	3/4	1195.18	3/4	891.00	3/4	587.81	3/4	284.87	3/4	-0.93	3/4	-1.87	3/4
7	1797.95	7	1493.40	7	1188.83	7	884.67	7	581.50	7	278.56	7	-1.87	7	-2.81	7
1/4	1791.61	1/4	1487.05	1/4	1182.49	1/4	878.34	1/4	575.19	1/4	272.25	1/4	-2.81	1/4	-3.75	1/4
1/2	1785.26	1/2	1480.71	1/2	1176.14	1/2	872.01	1/2	568.88	1/2	265.94	1/2	-3.75	1/2	-4.69	1/2
3/4	1778.92	3/4	1474.36	3/4	1169.80	3/4	865.67	3/4	562.57	3/4	259.63	3/4	-4.69	3/4	-5.63	3/4
8	1772.57	8	1468.02	8	1163.45	8	859.34	8	556.26	8	253.32	8	-5.63	8	-6.57	8
1/4	1766.23	1/4	1461.67	1/4	1157.11	1/4	853.01	1/4	549.94	1/4	247.01	1/4	-6.57	1/4	-7.51	1/4
1/2	1759.88	1/2	1455.32	1/2	1150.76	1/2	846.68	1/2	543.63	1/2	240.70	1/2	-7.51	1/2	-8.45	1/2
3/4	1753.54	3/4	1448.98	3/4	1144.41	3/4	840.34	3/4	537.32	3/4	234.39	3/4	-8.45	3/4	-9.39	3/4
9	1747.19	9	1442.63	9	1138.07	9	834.01	9	531.01	9	228.08	9	-9.39	9	-10.33	9
1/4	1740.85	1/4	1436.29	1/4	1131.72	1/4	827.67	1/4	524.70	1/4	221.77	1/4	-10.33	1/4	-11.27	1/4
1/2	1734.50	1/2	1429.94	1/2	1125.38	1/2	821.32	1/2	518.39	1/2	215.45	1/2	-11.27	1/2	-12.21	1/2
3/4	1728.16	3/4	1423.60	3/4	1119.03	3/4	814.97	3/4	512.08	3/4	209.14	3/4	-12.21	3/4	-13.15	3/4
10	1721.81	10	1417.25	10	1112.69	10	808.63	10	505.77	10	202.83	10	-13.15	10	-14.09	10
1/4	1715.47	1/4	1410.91	1/4	1106.34	1/4	802.28	1/4	499.45	1/4	196.52	1/4	-14.09	1/4	-15.03	1/4
1/2	1709.12	1/2	1404.56	1/2	1100.00	1/2	796.98	1/2	493.14	1/2	190.21	1/2	-15.03	1/2	-15.97	1/2
3/4	1702.78	3/4	1398.22	3/4	1093.65	3/4	789.68	3/4	486.83	3/4	183.90	3/4	-15.97	3/4	-16.91	3/4
11	1696.43	11	1391.87	11	1087.31	11	783.38	11	480.52	11	177.59	11	-16.91	11	-17.85	11
1/4	1690.09	1/4	1385.53	1/4	1080.96	1/4	777.08	1/4	474.21	1/4	171.28	1/4	-17.85	1/4	-18.79	1/4
1/2	1683.74	1/2	1379.18	1/2	1074.63	1/2	770.78	1/2	467.90	1/2	164.97	1/2	-18.79	1/2	-19.73	1/2
3/4	1677.40	3/4	1372.84	3/4	1068.30	3/4	764.47	3/4	461.59	3/4	158.66	3/4	-19.73	3/4	-20.67	3/4

NOTE: GAUGE POINT: TO TOP 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 STARBOARD: 17'2"

NOTE: FOR ULLAGES LESS THAN 2'00" USE INNAUGE TABLE (INNAUGE BY ULLAGE)

Calibrated: JF 1/15/2008

Calculation: WHF 1/31/2008

Re-issued: August 6, 2009

For Revised Trim Correction