



KIRBY 28312



Barge Strapping Tables





BARGE "KIRBY 28312"

ULLAGE TRIM TABLE

FORMERLY "DXE 2913"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

$$\begin{aligned} \text{FWD. DRAFT} &= 6'-00" \\ \text{AFT DRAFT} &= 9'-00" \\ \text{DIFF.} &= 3'-00" \quad (\text{DOWN BY STERN}) \end{aligned}$$

THE CORRECTION FOR 3'-00" (1 PORT) FROM ABOVE TABLE IS - 00-5/8" OBSERVED ULLAGE GAUGE OF 1-0-0
THE TRIM CORRECTED ULLAGE IS 0'-11-3/8"

LENGTH BETWEEN DRAFT MARKS: 232.50'

May 8, 2007

PRECISION MEASUREMENT
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P.O. Box 2092
Pearland, Texas 77588

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BARGE "KIRBY 28312"

1 PORT ULLAGE TABLE

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

FORMERLY "DXE 2913"

GAUGE HEIGHT 16'-05 3/4"

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

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE STOPS AT UNDERSIDE OF DECK AT GAUGE KEEL.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 11'-10" OFF CENTERLINE AND 45'-08" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT & ANALYSIS, INC.
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SHEET NO. 1 OF 12



BARGE "KIRBY 28312"

1 PORT ULLAGE TABLE

FORMERLY "DXE 2913"

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	2,149.51	0	1,798.86	0	1,448.21	0	1,097.56	0	746.88	0	422.29	0	124.17	0	0	0	0	0	0	0	0
1/4	2,142.20	1/4	1,791.55	1/4	1,440.90	1/4	1,090.25	1/4	741.79	1/4	415.30	1/4	118.30	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,134.90	1/2	1,784.25	1/2	1,433.60	1/2	1,082.95	1/2	734.70	1/2	409.28	1/2	112.44	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,127.59	3/4	1,776.94	3/4	1,426.29	3/4	1,075.64	3/4	727.61	3/4	402.78	3/4	106.57	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
1	2,120.29	1	1,769.64	1	1,418.99	1	1,068.34	1	720.57	1	396.33	1	100.78	1	0	1	1	1	1	1	1
1 1/4	2,112.98	1 1/4	1,762.33	1 1/4	1,411.68	1 1/4	1,061.03	1 1/4	713.54	1 1/4	389.87	1 1/4	94.99	1 1/4	0	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,105.68	1 1/2	1,755.03	1 1/2	1,404.38	1 1/2	1,053.73	1 1/2	706.50	1 1/2	383.42	1 1/2	89.19	1 1/2	0	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
2	2,098.37	2	1,747.72	2	1,397.07	2	1,046.42	2	699.46	2	376.96	2	83.40	2	0	2	2	2	2	2	2
2 1/4	2,091.07	2 1/4	1,740.42	2 1/4	1,389.77	2 1/4	1,039.12	2 1/4	692.47	2 1/4	370.56	2 1/4	77.74	2 1/4	0	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4
2 1/2	2,083.76	2 1/2	1,733.11	2 1/2	1,382.46	2 1/2	1,031.81	2 1/2	685.49	2 1/2	364.16	2 1/2	72.08	2 1/2	0	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
3	2,076.46	3	1,725.81	3	1,375.16	3	1,024.51	3	678.50	3	357.76	3	66.42	3	0	3	3	3	3	3	3
3 1/4	2,069.15	3 1/4	1,718.50	3 1/4	1,367.85	3 1/4	1,017.20	3 1/4	671.51	3 1/4	351.36	3 1/4	60.76	3 1/4	0	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4
3 1/2	2,061.85	3 1/2	1,711.20	3 1/2	1,360.55	3 1/2	1,009.90	3 1/2	664.58	3 1/2	345.01	3 1/2	55.52	3 1/2	0	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
4	2,054.54	4	1,703.89	4	1,353.24	4	1,002.59	4	657.64	4	338.66	4	50.28	4	0	4	4	4	4	4	4
4 1/4	2,047.24	4 1/4	1,696.59	4 1/4	1,345.94	4 1/4	995.29	4 1/4	650.71	4 1/4	332.31	4 1/4	45.03	4 1/4	0	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4
4 1/2	2,039.93	4 1/2	1,689.28	4 1/2	1,338.63	4 1/2	987.98	4 1/2	643.77	4 1/2	325.96	4 1/2	39.79	4 1/2	0	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2
5	2,032.63	5	1,681.98	5	1,331.33	5	980.68	5	636.89	5	319.66	5	35.49	5	0	5	5	5	5	5	5
5 1/4	2,025.32	5 1/4	1,674.67	5 1/4	1,324.02	5 1/4	973.37	5 1/4	630.00	5 1/4	313.36	5 1/4	31.18	5 1/4	0	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4
5 1/2	2,018.02	5 1/2	1,667.37	5 1/2	1,316.72	5 1/2	966.07	5 1/2	623.12	5 1/2	307.05	5 1/2	26.88	5 1/2	0	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2
6	2,010.71	6	1,660.06	6	1,309.41	6	958.76	6	616.23	6	300.75	6	22.57	6	0	6	6	6	6	6	6
6 1/4	2,003.41	6 1/4	1,652.76	6 1/4	1,302.11	6 1/4	951.46	6 1/4	609.40	6 1/4	294.50	6 1/4	19.52	6 1/4	0	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4
6 1/2	1,996.10	6 1/2	1,645.45	6 1/2	1,294.80	6 1/2	944.15	6 1/2	602.56	6 1/2	288.25	6 1/2	16.47	6 1/2	0	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2
7	1,988.80	7	1,638.15	7	1,287.50	7	936.85	7	595.73	7	282.00	7	13.41	7	0	7	7	7	7	7	7
7 1/4	1,981.49	7 1/4	1,630.84	7 1/4	1,280.19	7 1/4	929.54	7 1/4	588.89	7 1/4	275.75	7 1/4	10.36	7 1/4	0	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4
7 1/2	1,974.18	7 1/2	1,623.53	7 1/2	1,272.89	7 1/2	922.24	7 1/2	582.00	7 1/2	269.55	7 1/2	7.31	7 1/2	0	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2
8	1,966.88	8	1,616.23	8	1,265.58	8	914.95	8	575.32	8	263.35	8	4.26	8	0	8	8	8	8	8	8
8 1/4	1,959.57	8 1/4	1,608.92	8 1/4	1,258.28	8 1/4	907.65	8 1/4	568.53	8 1/4	257.15	8 1/4	1.21	8 1/4	0	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4
8 1/2	1,952.26	8 1/2	1,601.61	8 1/2	1,250.97	8 1/2	900.35	8 1/2	561.74	8 1/2	250.95	8 1/2	0.16	8 1/2	0	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2
9	1,944.96	9	1,594.31	9	1,243.66	9	893.07	9	555.00	9	244.80	9	0.11	9	0	9	9	9	9	9	9
9 1/4	1,937.65	9 1/4	1,587.00	9 1/4	1,236.36	9 1/4	885.78	9 1/4	548.26	9 1/4	238.65	9 1/4	0.06	9 1/4	0	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4
9 1/2	1,930.35	9 1/2	1,579.70	9 1/2	1,229.05	9 1/2	878.50	9 1/2	541.52	9 1/2	232.49	9 1/2	0.01	9 1/2	0	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2
10	1,923.04	10	1,572.39	10	1,221.74	10	871.21	10	534.78	10	226.34	10	0.00	10	0	10	10	10	10	10	10
10 1/4	1,915.74	10 1/4	1,565.09	10 1/4	1,214.44	10 1/4	863.95	10 1/4	528.09	10 1/4	220.24	10 1/4	0.00	10 1/4	0	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4
10 1/2	1,908.43	10 1/2	1,557.78	10 1/2	1,207.13	10 1/2	856.69	10 1/2	521.39	10 1/2	214.14	10 1/2	0.00	10 1/2	0	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2
11	1,901.13	11	1,550.48	11	1,199.83	11	849.43	11	514.70	11	208.04	11	0.00	11	0	11	11	11	11	11	11
11 1/4	1,893.82	11 1/4	1,543.17	11 1/4	1,192.52	11 1/4	842.17	11 1/4	508.00	11 1/4	201.94	11 1/4	0.00	11 1/4	0	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4
11 1/2	1,886.52	11 1/2	1,535.87	11 1/2	1,185.22	11 1/2	834.94	11 1/2	501.35	11 1/2	195.89	11 1/2	0.00	11 1/2	0	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2
12	1,879.21	12	1,528.56	12	1,177.91	12	827.72	12	494.70	12	189.84	12	0.00	12	0	12	12	12	12	12	12
12 1/4	1,871.91	12 1/4	1,521.26	12 1/4	1,170.61	12 1/4	820.49	12 1/4	488.05	12 1/4	183.79	12 1/4	0.00	12 1/4	0	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4
12 1/2	1,864.60	12 1/2	1,513.95	12 1/2	1,163.30	12 1/2	813.26	12 1/2	481.40	12 1/2	177.74	12 1/2	0.00	12 1/2	0	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2
13	1,857.30	13	1,506.65	13	1,156.00	13	806.08	13	474.80	13	171.75	13	0.00	13	0	13	13	13	13	13	13
13 1/4	1,849.99	13 1/4	1,499.34	13 1/4	1,148.69	13 1/4	798.89	13 1/4	468.20	13 1/4	165.76	13 1/4	0.00	13 1/4	0	13 1/4	13 1/4	13 1/4	13 1/4	13 1/4	13 1/4
13 1/2	1,842.69	13 1/2	1,492.04	13 1/2	1,141.39	13 1/2	791.71	13 1/2	461.60	13 1/2	159.76	13 1/2	0.00	13 1/2	0	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2
14	1,835.38	14	1,484.73	14	1,134.08	14	784.52	14	455.00	14	153.77	14	0.00	14	0	14	14	14	14	14	14
14 1/4	1,828.08	14 1/4	1,477.43	14 1/4	1,126.78	14 1/4	777.38	14 1/4	448.45	14 1/4	147.84	14 1/4	0.00	14 1/4	0	14 1/4	14 1/4	14 1/4	14 1/4	14 1/4	14 1/4
14 1/2	1,820.77	14 1/2	1,470.12	14 1/2	1,119.47	14 1/2	770.25	14 1/2	441.90	14 1/2	141.90	14 1/2	0.00	14 1/2	0	14 1/2	14 1/2	14 1/2	14 1/2	14 1/2	14 1/2
15	1,813.47	15	1,462.82	15	1,112.17	15	763.11	15	435.34	15	135.97	15	0.00	15	0	15	15	15	15	15	15
15 1/4	1,806.16	15 1/4	1,455.51	15 1/4	1,104.86	15 1/4	755.97	15 1/4	428.79	15 1/4	130.03	15 1/4	0.00	15 1/4	0	15 1/4	15 1/4	15 1/4	15 1/4	15 1/4	15 1/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

DECK MEASUREMENTS: 05/08/2007 SW CL
 REPRINTED: 05/08/2007 SW
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 05/2007

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



BARGE "KIRBY 28312"

1 STBD ULLAGE TABLE

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

FORMERLY "DXE 2913"

GAUGE HEIGHT 16'-05 3/4"

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE STOPS AT UNDERSIDE OF DECK AT GAUGE POINT.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 11'-10" OFF CENTERLINE AND 45'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

http://www.pmacorp.net



BARGE "KIRBY 28312"

1 STBD ULLAGE TABLE

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

FORMERLY "DXE 2913"

GAUGE HEIGHT 16'-05 3/4"

	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	2,149.48	0	1,448.24	0	748.97	0	422.38	0	124.22	0
1/4	2,142.17	1/4	1,440.94	1/4	741.89	1/4	415.88	1/4	118.36	1/4
1/2	2,134.87	1/2	1,433.63	1/2	1,083.02	1/2	409.37	1/2	112.49	1/2
3/4	2,127.56	3/4	1,426.33	3/4	1,075.71	3/4	402.87	3/4	106.62	3/4
1	2,120.26	1	1,419.03	1	1,068.41	1	396.42	1	100.83	1
1/4	2,112.95	1/4	1,411.72	1/4	1,061.10	1/4	389.97	1/4	95.04	1/4
1/2	2,105.65	1/2	1,404.42	1/2	1,053.80	1/2	383.51	1/2	89.24	1/2
3/4	2,098.34	3/4	1,397.11	3/4	1,046.49	3/4	377.06	3/4	83.45	3/4
2	2,091.04	2	1,389.81	2	1,039.19	2	370.66	2	77.79	2
1/4	2,083.73	1/4	1,382.50	1/4	1,031.88	1/4	364.26	1/4	72.13	1/4
1/2	2,076.43	1/2	1,375.20	1/2	1,024.58	1/2	357.85	1/2	66.46	1/2
3/4	2,069.12	3/4	1,367.89	3/4	1,017.27	3/4	351.45	3/4	60.80	3/4
3	2,061.82	3	1,360.59	3	1,009.97	3	345.10	3	55.56	3
1/4	2,054.51	1/4	1,353.28	1/4	1,002.66	1/4	338.75	1/4	50.32	1/4
1/2	2,047.21	1/2	1,345.98	1/2	995.36	1/2	332.39	1/2	45.07	1/2
3/4	2,039.90	3/4	1,338.67	3/4	988.05	3/4	326.04	3/4	39.83	3/4
4	2,032.60	4	1,331.37	4	980.75	4	319.74	4	35.52	4
1/4	2,025.30	1/4	1,324.06	1/4	973.45	1/4	313.44	1/4	31.22	1/4
1/2	2,017.99	1/2	1,316.76	1/2	966.14	1/2	307.14	1/2	26.91	1/2
3/4	2,010.69	3/4	1,309.45	3/4	958.84	3/4	300.84	3/4	22.60	3/4
5	2,003.39	5	1,302.15	5	951.54	5	294.59	5	19.55	5
1/4	1,996.08	1/4	1,294.85	1/4	944.23	1/4	288.34	1/4	16.50	1/4
1/2	1,988.78	1/2	1,287.54	1/2	936.93	1/2	282.08	1/2	13.44	1/2
3/4	1,981.47	3/4	1,280.24	3/4	929.62	3/4	275.83	3/4	10.39	3/4
6	1,974.17	6	1,272.94	6	922.32	6	269.63	6	6	6
1/4	1,966.86	1/4	1,265.63	1/4	915.03	1/4	263.43	1/4	1/4	1/4
1/2	1,959.56	1/2	1,258.33	1/2	907.73	1/2	257.23	1/2	1/2	1/2
3/4	1,952.25	3/4	1,251.02	3/4	900.43	3/4	251.03	3/4	3/4	3/4
7	1,944.95	7	1,243.72	7	893.15	7	244.88	7	7	7
1/4	1,937.64	1/4	1,236.41	1/4	885.87	1/4	238.73	1/4	1/4	1/4
1/2	1,930.34	1/2	1,229.11	1/2	878.58	1/2	232.57	1/2	1/2	1/2
3/4	1,923.03	3/4	1,221.80	3/4	871.30	3/4	226.42	3/4	3/4	3/4
8	1,915.73	8	1,214.50	8	864.04	8	220.32	8	8	8
1/4	1,908.42	1/4	1,207.19	1/4	856.78	1/4	214.22	1/4	1/4	1/4
1/2	1,901.12	1/2	1,199.89	1/2	849.52	1/2	208.11	1/2	1/2	1/2
3/4	1,893.81	3/4	1,192.58	3/4	842.26	3/4	202.01	3/4	3/4	3/4
9	1,886.51	9	1,185.28	9	835.03	9	195.96	9	9	9
1/4	1,879.21	1/4	1,177.97	1/4	827.81	1/4	189.91	1/4	1/4	1/4
1/2	1,871.90	1/2	1,170.67	1/2	820.58	1/2	183.86	1/2	1/2	1/2
3/4	1,864.60	3/4	1,163.36	3/4	813.35	3/4	177.81	3/4	3/4	3/4
10	1,857.30	10	1,156.06	10	806.17	10	171.82	10	10	10
1/4	1,849.99	1/4	1,148.76	1/4	798.98	1/4	165.82	1/4	1/4	1/4
1/2	1,842.69	1/2	1,141.45	1/2	791.80	1/2	159.83	1/2	1/2	1/2
3/4	1,835.38	3/4	1,134.15	3/4	784.61	3/4	153.83	3/4	3/4	3/4
11	1,828.08	11	1,126.85	11	777.47	11	147.90	11	11	11
1/4	1,820.77	1/4	1,119.54	1/4	770.34	1/4	141.96	1/4	1/4	1/4
1/2	1,813.47	1/2	1,112.24	1/2	763.20	1/2	136.03	1/2	1/2	1/2
3/4	1,806.16	3/4	1,104.93	3/4	756.06	3/4	130.09	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

DECK MEASUREMENTS: 05/08/2007 SW CL
REPRINTED: 05/08/2007 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2007

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



BARGE "KIRBY 28312"

2 PORT ULLAGE TABLE

FORMERLY "DYE 2913"

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

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	2,386.98	0	2,020.24	0	1,653.50	0	1,286.75	0	919.81	0	553.38	0	186.75	0	0	0	0	0	0
1/4	2,379.34	1/4	2,012.60	1/4	1,645.86	1/4	1,279.11	1/4	912.24	1/4	545.74	1/4	179.14	1/4	0	0	0	0	0
1/2	2,371.70	1/2	2,004.96	1/2	1,638.21	1/2	1,271.47	1/2	904.68	1/2	538.10	1/2	171.52	1/2	0	0	0	0	0
3/4	2,364.06	3/4	1,997.32	3/4	1,630.57	3/4	1,263.83	3/4	897.11	3/4	530.46	3/4	163.90	3/4	0	0	0	0	0
1	2,356.42	1	1,989.68	1	1,622.93	1	1,256.19	1	889.47	1	522.82	1	156.31	1	0	0	0	0	0
1 1/4	2,348.78	1 1/4	1,982.04	1 1/4	1,615.29	1 1/4	1,248.55	1 1/4	881.84	1 1/4	515.18	1 1/4	148.71	1 1/4	0	0	0	0	0
1 1/2	2,341.14	1 1/2	1,974.40	1 1/2	1,607.65	1 1/2	1,240.91	1 1/2	874.20	1 1/2	507.54	1 1/2	141.12	1 1/2	0	0	0	0	0
3/4	2,333.50	3/4	1,966.76	3/4	1,600.01	3/4	1,233.27	3/4	866.56	3/4	499.90	3/4	133.52	3/4	0	0	0	0	0
2	2,325.86	2	1,959.12	2	1,592.37	2	1,225.63	2	858.92	2	492.26	2	126.01	2	0	0	0	0	0
1 1/4	2,318.22	1 1/4	1,951.48	1 1/4	1,584.73	1 1/4	1,217.99	1 1/4	851.29	1 1/4	484.63	1 1/4	118.49	1 1/4	0	0	0	0	0
1 1/2	2,310.58	1 1/2	1,943.83	1 1/2	1,577.09	1 1/2	1,210.35	1 1/2	843.65	1 1/2	476.99	1 1/2	110.98	1 1/2	0	0	0	0	0
3/4	2,302.94	3/4	1,936.19	3/4	1,569.45	3/4	1,202.71	3/4	836.01	3/4	469.35	3/4	103.46	3/4	0	0	0	0	0
3	2,295.30	3	1,928.55	3	1,561.81	3	1,195.07	3	828.37	3	461.71	3	96.33	3	0	0	0	0	0
1 1/4	2,287.66	1 1/4	1,920.91	1 1/4	1,554.17	1 1/4	1,187.43	1 1/4	820.74	1 1/4	454.07	1 1/4	89.20	1 1/4	0	0	0	0	0
1 1/2	2,280.02	1 1/2	1,913.27	1 1/2	1,546.53	1 1/2	1,179.78	1 1/2	813.10	1 1/2	446.43	1 1/2	82.06	1 1/2	0	0	0	0	0
3/4	2,272.38	3/4	1,905.63	3/4	1,538.89	3/4	1,172.14	3/4	805.46	3/4	438.79	3/4	74.93	3/4	0	0	0	0	0
4	2,264.74	4	1,897.99	4	1,531.25	4	1,164.50	4	797.82	4	431.15	4	68.73	4	0	0	0	0	0
1 1/4	2,257.10	1 1/4	1,890.35	1 1/4	1,523.61	1 1/4	1,156.86	1 1/4	790.19	1 1/4	423.52	1 1/4	62.52	1 1/4	0	0	0	0	0
1 1/2	2,249.45	1 1/2	1,882.71	1 1/2	1,515.97	1 1/2	1,149.22	1 1/2	782.55	1 1/2	415.88	1 1/2	56.32	1 1/2	0	0	0	0	0
3/4	2,241.81	3/4	1,875.07	3/4	1,508.33	3/4	1,141.58	3/4	774.91	3/4	408.24	3/4	50.11	3/4	0	0	0	0	0
5	2,234.17	5	1,867.43	5	1,500.69	5	1,133.94	5	767.27	5	400.60	5	45.18	5	0	0	0	0	0
1 1/4	2,226.53	1 1/4	1,859.79	1 1/4	1,493.05	1 1/4	1,126.30	1 1/4	759.63	1 1/4	392.96	1 1/4	40.24	1 1/4	0	0	0	0	0
1 1/2	2,218.89	1 1/2	1,852.15	1 1/2	1,485.40	1 1/2	1,118.66	1 1/2	751.99	1 1/2	385.32	1 1/2	35.31	1 1/2	0	0	0	0	0
3/4	2,211.25	3/4	1,844.51	3/4	1,477.76	3/4	1,111.02	3/4	744.35	3/4	377.68	3/4	30.37	3/4	0	0	0	0	0
6	2,203.61	6	1,836.87	6	1,470.12	6	1,103.38	6	736.71	6	370.04	6	25.44	6	0	0	0	0	0
1 1/4	2,195.97	1 1/4	1,829.23	1 1/4	1,462.48	1 1/4	1,095.74	1 1/4	729.08	1 1/4	362.40	1 1/4	20.50	1 1/4	0	0	0	0	0
1 1/2	2,188.33	1 1/2	1,821.59	1 1/2	1,454.84	1 1/2	1,088.10	1 1/2	721.44	1 1/2	354.76	1 1/2	15.56	1 1/2	0	0	0	0	0
3/4	2,180.69	3/4	1,813.95	3/4	1,447.20	3/4	1,080.46	3/4	713.80	3/4	347.12	3/4	10.62	3/4	0	0	0	0	0
7	2,173.05	7	1,806.31	7	1,439.56	7	1,072.82	7	706.16	7	339.48	7	5.68	7	0	0	0	0	0
1 1/4	2,165.41	1 1/4	1,798.67	1 1/4	1,431.92	1 1/4	1,065.18	1 1/4	698.53	1 1/4	331.84	1 1/4	0.74	1 1/4	0	0	0	0	0
1 1/2	2,157.77	1 1/2	1,791.02	1 1/2	1,424.28	1 1/2	1,057.54	1 1/2	690.89	1 1/2	324.19	1 1/2	0	1 1/2	0	0	0	0	0
3/4	2,150.13	3/4	1,783.38	3/4	1,416.64	3/4	1,049.90	3/4	683.25	3/4	316.55	3/4	0	3/4	0	0	0	0	0
8	2,142.49	8	1,775.74	8	1,409.00	8	1,042.26	8	675.61	8	308.91	8	0	8	0	0	0	0	0
1 1/4	2,134.85	1 1/4	1,768.10	1 1/4	1,401.36	1 1/4	1,034.62	1 1/4	667.97	1 1/4	301.27	1 1/4	0	1 1/4	0	0	0	0	0
1 1/2	2,127.21	1 1/2	1,760.46	1 1/2	1,393.72	1 1/2	1,026.97	1 1/2	660.33	1 1/2	293.63	1 1/2	0	1 1/2	0	0	0	0	0
3/4	2,119.57	3/4	1,752.82	3/4	1,386.08	3/4	1,019.33	3/4	652.69	3/4	285.99	3/4	0	3/4	0	0	0	0	0
9	2,111.93	9	1,745.18	9	1,378.44	9	1,011.69	9	645.05	9	278.35	9	0	9	0	0	0	0	0
1 1/4	2,104.29	1 1/4	1,737.54	1 1/4	1,370.80	1 1/4	1,004.05	1 1/4	637.41	1 1/4	270.71	1 1/4	0	1 1/4	0	0	0	0	0
1 1/2	2,096.64	1 1/2	1,729.90	1 1/2	1,363.16	1 1/2	996.41	1 1/2	629.77	1 1/2	263.07	1 1/2	0	1 1/2	0	0	0	0	0
3/4	2,089.00	3/4	1,722.26	3/4	1,355.52	3/4	988.77	3/4	622.13	3/4	255.43	3/4	0	3/4	0	0	0	0	0
10	2,081.36	10	1,714.62	10	1,347.88	10	981.13	10	614.49	10	247.79	10	0	10	0	0	0	0	0
1 1/4	2,073.72	1 1/4	1,706.98	1 1/4	1,340.24	1 1/4	973.50	1 1/4	606.85	1 1/4	240.16	1 1/4	0	1 1/4	0	0	0	0	0
1 1/2	2,066.08	1 1/2	1,699.34	1 1/2	1,332.59	1 1/2	965.86	1 1/2	599.21	1 1/2	232.52	1 1/2	0	1 1/2	0	0	0	0	0
3/4	2,058.44	3/4	1,691.70	3/4	1,324.95	3/4	958.22	3/4	591.57	3/4	224.88	3/4	0	3/4	0	0	0	0	0
11	2,050.80	11	1,684.06	11	1,317.31	11	950.51	11	583.93	11	217.25	11	0	11	0	0	0	0	0
1 1/4	2,043.16	1 1/4	1,676.42	1 1/4	1,309.67	1 1/4	942.80	1 1/4	576.30	1 1/4	209.63	1 1/4	0	1 1/4	0	0	0	0	0
1 1/2	2,035.52	1 1/2	1,668.78	1 1/2	1,302.03	1 1/2	935.08	1 1/2	568.66	1 1/2	202.00	1 1/2	0	1 1/2	0	0	0	0	0
3/4	2,027.88	3/4	1,661.14	3/4	1,294.39	3/4	927.37	3/4	561.02	3/4	194.37	3/4	0	3/4	0	0	0	0	0

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

DECK MEASUREMENTS: 05/08/2007 SW CL
 REPRINTED: 05/08/20076 SW
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 05/2007

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



BARGE "KIRBY 28312"

2 STBD

ULLAGE TABLE

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

FORMERLY "DXE 2913"

GAUGE HEIGHT 16'-05 3/4"

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

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE STOPS AT UNDERSIDE OF DECK AT GAUGE POINT.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 11'-10" OFF CENTERLINE AND 46'-07" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT & ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

http://www.pmaacorp.net



BARGE "KIRBY 28312"

2 STBD ULLAGE TABLE

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

FORMERLY "DXE 2913"

GAUGE HEIGHT 16'-05 3/4"

	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	2,374.98	2,010.08	1,645.18	1,280.28	915.40	550.59	185.81	0	0	0
1/4	2,367.38	2,002.48	1,637.58	1,272.68	907.80	542.99	178.23	1/4	1/4	1/4
1/2	2,359.77	1,994.87	1,629.97	1,265.07	900.20	535.39	170.65	1/2	1/2	1/2
3/4	2,352.17	1,987.27	1,622.37	1,257.47	892.60	527.79	163.07	3/4	3/4	3/4
1	2,344.57	1,979.67	1,614.77	1,249.87	885.00	520.19	155.52	1	1	1
1/4	2,336.97	1,972.07	1,607.17	1,242.27	877.40	512.59	147.96	1/4	1/4	1/4
1/2	2,329.37	1,964.46	1,599.56	1,234.66	869.80	504.99	140.41	1/2	1/2	1/2
3/4	2,321.77	1,956.86	1,591.96	1,227.06	862.20	497.39	132.85	3/4	3/4	3/4
2	2,314.17	1,949.26	1,584.36	1,219.46	854.60	489.79	125.37	2	2	2
1/4	2,306.57	1,941.66	1,576.76	1,211.86	847.00	482.19	117.90	1/4	1/4	1/4
1/2	2,298.96	1,934.06	1,569.16	1,204.25	839.40	474.59	110.42	1/2	1/2	1/2
3/4	2,291.36	1,926.46	1,561.56	1,196.65	831.80	466.99	102.94	3/4	3/4	3/4
3	2,283.76	1,918.86	1,553.96	1,189.05	824.20	459.39	95.84	3	3	3
1/4	2,276.16	1,911.26	1,546.36	1,181.45	816.60	451.79	88.75	1/4	1/4	1/4
1/2	2,268.55	1,903.65	1,538.75	1,173.85	809.00	444.18	81.65	1/2	1/2	1/2
3/4	2,260.95	1,896.05	1,531.15	1,166.25	801.40	436.58	74.55	3/4	3/4	3/4
4	2,253.35	1,888.45	1,523.55	1,158.65	793.80	428.98	68.38	4	4	4
1/4	2,245.75	1,880.85	1,515.95	1,151.05	786.20	421.38	62.21	1/4	1/4	1/4
1/2	2,238.14	1,873.24	1,508.34	1,143.44	778.60	413.78	56.03	1/2	1/2	1/2
3/4	2,230.54	1,865.64	1,500.74	1,135.84	771.00	406.18	49.86	3/4	3/4	3/4
5	2,222.94	1,858.04	1,493.14	1,128.24	763.40	398.58	44.95	5	5	5
1/4	2,215.34	1,850.44	1,485.54	1,120.64	755.81	390.98	40.04	1/4	1/4	1/4
1/2	2,207.73	1,842.83	1,477.93	1,113.03	748.21	383.37	35.13	1/2	1/2	1/2
3/4	2,200.13	1,835.23	1,470.33	1,105.43	740.61	375.77	30.22	3/4	3/4	3/4
6	2,192.53	1,827.63	1,462.73	1,097.83	733.01	368.17	25.31	6	6	6
1/4	2,184.93	1,820.03	1,455.13	1,090.23	725.41	360.57	20.40	1/4	1/4	1/4
1/2	2,177.32	1,812.42	1,447.52	1,082.62	717.81	352.97	15.49	1/2	1/2	1/2
3/4	2,169.72	1,804.82	1,439.92	1,075.02	710.21	345.37	10.58	3/4	3/4	3/4
7	2,162.12	1,797.22	1,432.32	1,067.42	702.61	337.77	5.67	7	7	7
1/4	2,154.52	1,789.62	1,424.72	1,059.82	695.01	330.17	0.76	1/4	1/4	1/4
1/2	2,146.92	1,782.01	1,417.11	1,052.21	687.41	322.56	0.00	1/2	1/2	1/2
3/4	2,139.32	1,774.41	1,409.51	1,044.61	679.81	314.96	0.00	3/4	3/4	3/4
8	2,131.72	1,766.81	1,401.91	1,037.01	672.21	307.36	0.00	8	8	8
1/4	2,124.12	1,759.21	1,394.31	1,029.41	664.61	299.76	0.00	1/4	1/4	1/4
1/2	2,116.51	1,751.61	1,386.71	1,021.80	657.01	292.15	0.00	1/2	1/2	1/2
3/4	2,108.91	1,744.01	1,379.11	1,014.20	649.41	284.55	0.00	3/4	3/4	3/4
9	2,101.31	1,736.41	1,371.51	1,006.60	641.81	276.95	0.00	9	9	9
1/4	2,093.71	1,728.81	1,363.91	999.00	634.21	269.35	0.00	1/4	1/4	1/4
1/2	2,086.10	1,721.20	1,356.30	991.40	626.60	261.75	0.00	1/2	1/2	1/2
3/4	2,078.50	1,713.60	1,348.70	983.80	619.00	254.15	0.00	3/4	3/4	3/4
10	2,070.90	1,706.00	1,341.10	976.20	611.40	246.55	0.00	10	10	10
1/4	2,063.30	1,698.40	1,333.50	968.60	603.80	238.95	0.00	1/4	1/4	1/4
1/2	2,055.69	1,690.79	1,325.89	961.00	596.20	231.35	0.00	1/2	1/2	1/2
3/4	2,048.09	1,683.19	1,318.29	953.40	588.60	223.75	0.00	3/4	3/4	3/4
11	2,040.49	1,675.59	1,310.69	945.80	581.00	216.16	0.00	11	11	11
1/4	2,032.89	1,667.99	1,303.09	938.20	573.40	208.57	0.00	1/4	1/4	1/4
1/2	2,025.28	1,660.38	1,295.48	930.60	565.79	200.98	0.00	1/2	1/2	1/2
3/4	2,017.68	1,652.78	1,287.88	923.00	558.19	193.39	0.00	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

DECK MEASUREMENTS: 05/08/2007 SW CL
REPRINTED: 05/08/2007E SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2007

PRECISION MEASUREMENT
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P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 28312"

3 PORT ULLAGE TABLE

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

FORMERLY "DXE 2913"

GAUGE HEIGHT 16'-05 1/2"

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

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 11'-08" OFF CENTERLINE AND 46'-07" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

http://www.pmacorp.net



BARGE "KIRBY 28312"

3 PORT ULLAGE TABLE

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

FORMERLY "DXE 2913"

GAUGE HEIGHT 16'-05 1/2"

	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	0	1,999.89	0	1,270.83	0	907.24	0	542.65	0	170.53
1/4	2,364.61	1,999.29	1,635.17	1,270.83	0	899.64	170.53	535.06	170.53	0
1/2	2,357.02	1,992.29	1,627.57	1,263.26	170.53	899.64	170.53	535.06	170.53	0
3/4	2,349.42	1,984.69	1,619.97	1,255.69	170.53	892.05	162.96	527.46	162.96	170.53
1	2,341.82	1,977.09	1,612.37	1,248.12	34	884.45	155.41	519.86	155.41	34
1 1/4	2,334.22	1,969.50	1,604.77	1,240.56	1	876.86	147.85	512.27	147.85	1
1 1/2	2,326.62	1,961.90	1,597.17	1,232.99	170.53	869.26	140.30	504.67	140.30	170.53
1 3/4	2,319.02	1,954.30	1,589.57	1,225.42	170.53	861.67	132.75	497.08	132.75	170.53
2	2,311.42	1,946.70	1,581.97	1,217.85	34	854.07	125.28	489.48	125.28	34
2 1/4	2,303.83	1,939.10	1,574.38	1,210.29	2	846.48	117.81	481.88	117.81	2
2 1/2	2,296.23	1,931.50	1,566.78	1,202.72	170.53	838.88	110.34	474.29	110.34	170.53
2 3/4	2,288.63	1,923.90	1,559.18	1,195.15	170.53	831.29	102.87	466.69	102.87	170.53
3	2,281.03	1,916.30	1,551.58	1,187.58	34	823.69	95.30	459.09	95.30	34
3 1/4	2,273.43	1,908.71	1,543.99	1,180.02	3	816.10	87.83	451.50	87.83	3
3 1/2	2,265.83	1,901.11	1,536.39	1,172.45	170.53	808.50	80.26	443.90	80.26	170.53
3 3/4	2,258.23	1,893.51	1,528.79	1,164.88	170.53	800.91	72.69	436.31	72.69	170.53
4	2,250.63	1,885.91	1,521.19	1,157.31	34	793.31	65.12	428.71	65.12	34
4 1/4	2,243.04	1,878.32	1,513.59	1,149.75	4	785.72	57.55	421.11	57.55	4
4 1/2	2,235.44	1,870.72	1,505.99	1,142.18	170.53	778.12	50.00	413.52	50.00	170.53
4 3/4	2,227.84	1,863.12	1,498.39	1,134.61	170.53	770.53	42.43	405.92	42.43	170.53
5	2,220.24	1,855.52	1,490.79	1,127.04	34	762.93	34.86	398.32	34.86	34
5 1/4	2,212.65	1,847.92	1,483.19	1,119.47	5	755.34	27.29	390.73	27.29	5
5 1/2	2,205.05	1,840.32	1,475.60	1,111.91	170.53	747.74	20.00	383.13	20.00	170.53
5 3/4	2,197.45	1,832.72	1,468.00	1,104.34	170.53	740.15	12.43	375.54	12.43	170.53
6	2,189.85	1,825.12	1,460.40	1,096.77	34	732.55	5.00	367.94	5.00	34
6 1/4	2,182.25	1,817.53	1,452.81	1,089.20	6	724.96	0.00	360.34	0.00	6
6 1/2	2,174.65	1,809.93	1,445.21	1,081.64	170.53	717.36	0.00	352.75	0.00	170.53
6 3/4	2,167.05	1,802.33	1,437.61	1,074.07	170.53	709.77	0.00	345.15	0.00	170.53
7	2,159.45	1,794.73	1,430.01	1,066.50	34	702.17	0.00	337.55	0.00	34
7 1/4	2,151.86	1,787.13	1,422.41	1,058.94	7	694.58	0.00	329.95	0.00	7
7 1/2	2,144.26	1,779.53	1,414.81	1,051.37	170.53	686.98	0.00	322.36	0.00	170.53
7 3/4	2,136.66	1,771.93	1,407.21	1,043.81	170.53	679.39	0.00	314.76	0.00	170.53
8	2,129.06	1,764.33	1,399.62	1,036.24	34	671.79	0.00	307.16	0.00	34
8 1/4	2,121.46	1,756.74	1,392.02	1,028.67	8	664.20	0.00	299.56	0.00	8
8 1/2	2,113.86	1,749.14	1,384.43	1,021.10	170.53	656.60	0.00	291.97	0.00	170.53
8 3/4	2,106.26	1,741.54	1,376.83	1,013.53	170.53	649.01	0.00	284.37	0.00	170.53
9	2,098.66	1,733.94	1,369.25	1,005.95	34	641.41	0.00	276.77	0.00	34
9 1/4	2,091.07	1,726.35	1,361.67	998.36	9	633.81	0.00	269.17	0.00	9
9 1/2	2,083.47	1,718.75	1,354.08	990.78	170.53	626.22	0.00	261.58	0.00	170.53
9 3/4	2,075.87	1,711.15	1,346.50	983.20	170.53	618.62	0.00	253.98	0.00	170.53
10	2,068.27	1,703.55	1,338.93	975.60	34	611.02	0.00	246.38	0.00	34
10 1/4	2,060.68	1,695.95	1,331.37	968.01	10	603.42	0.00	238.79	0.00	10
10 1/2	2,053.08	1,688.35	1,323.80	960.41	170.53	595.83	0.00	231.19	0.00	170.53
10 3/4	2,045.48	1,680.75	1,316.23	952.82	170.53	588.23	0.00	223.60	0.00	170.53
11	2,037.88	1,673.15	1,308.66	945.22	34	580.63	0.00	216.01	0.00	34
11 1/4	2,030.28	1,665.56	1,301.10	937.62	11	573.04	0.00	208.43	0.00	11
11 1/2	2,022.68	1,657.96	1,293.53	930.03	170.53	565.44	0.00	200.84	0.00	170.53
11 3/4	2,015.08	1,650.36	1,285.96	922.43	170.53	557.85	0.00	193.26	0.00	170.53
12	2,007.48	1,642.76	1,278.39	914.83	34	550.25	0.00	185.68	0.00	34

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

DECK MEASUREMENTS: 05/08/2007 SW CL
REPRINTED: 05/08/2007 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2007

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



BARGE "KIRBY 28312"

3 STBD ULLAGE TABLE

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

FORMERLY "DXE 2913"

GAUGE HEIGHT 16'-06 1/8"

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE STOPS AT UNDERSIDE OF DECK AT GAUGE POINT.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 11'-10" OFF CENTERLINE AND 48'-07" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28312"

3 STBD ULLAGE TABLE

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

FORMERLY "DXE 2913"

GAUGE HEIGHT 16'-06 1/8"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	2,383.79	0	2,019.04	0	1,654.28	0	1,289.84	0	926.30	0	561.69	0	197.06	0	0	0	0	0	0
1/4	2,376.19	1/4	2,011.44	1/4	1,646.68	1/4	1,282.27	1/4	918.71	1/4	554.09	1/4	189.49	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,368.59	1/2	2,003.84	1/2	1,639.09	1/2	1,274.71	1/2	911.11	1/2	546.50	1/2	181.91	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,360.99	3/4	1,996.24	3/4	1,631.49	3/4	1,267.14	3/4	903.52	3/4	538.90	3/4	174.33	3/4	3/4	3/4	3/4	3/4	3/4
1	2,353.39	1	1,988.64	1	1,623.89	1	1,259.57	1	895.92	1	531.30	1	166.76	1	1	1	1	1	1
1/4	2,345.79	1/4	1,981.04	1/4	1,616.29	1/4	1,252.00	1/4	888.33	1/4	523.71	1/4	159.20	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,338.20	1/2	1,973.44	1/2	1,608.69	1/2	1,244.43	1/2	880.73	1/2	516.11	1/2	151.64	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,330.60	3/4	1,965.84	3/4	1,601.09	3/4	1,236.86	3/4	873.14	3/4	508.52	3/4	144.09	3/4	3/4	3/4	3/4	3/4	3/4
2	2,323.00	2	1,958.24	2	1,593.49	2	1,229.29	2	865.54	2	500.92	2	136.55	2	2	2	2	2	2
1/4	2,315.40	1/4	1,950.64	1/4	1,585.89	1/4	1,221.72	1/4	857.94	1/4	493.32	1/4	129.03	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,307.80	1/2	1,943.05	1/2	1,578.30	1/2	1,214.16	1/2	850.35	1/2	485.73	1/2	121.54	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,300.20	3/4	1,935.45	3/4	1,570.70	3/4	1,206.59	3/4	842.75	3/4	478.13	3/4	114.04	3/4	3/4	3/4	3/4	3/4	3/4
3	2,292.60	3	1,927.85	3	1,563.10	3	1,199.02	3	835.15	3	470.53	3	106.63	3	3	3	3	3	3
1/4	2,285.00	1/4	1,920.25	1/4	1,555.50	1/4	1,191.45	1/4	827.55	1/4	462.93	1/4	99.36	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,277.40	1/2	1,912.65	1/2	1,547.90	1/2	1,183.89	1/2	819.96	1/2	455.33	1/2	92.18	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,269.80	3/4	1,905.05	3/4	1,540.30	3/4	1,176.32	3/4	812.36	3/4	447.74	3/4	84.99	3/4	3/4	3/4	3/4	3/4	3/4
4	2,262.20	4	1,897.45	4	1,532.70	4	1,168.75	4	804.77	4	440.14	4	78.02	4	4	4	4	4	4
1/4	2,254.60	1/4	1,889.85	1/4	1,525.10	1/4	1,161.18	1/4	797.17	1/4	432.54	1/4	71.48	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,247.01	1/2	1,882.26	1/2	1,517.50	1/2	1,153.62	1/2	789.58	1/2	424.95	1/2	65.15	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,239.41	3/4	1,874.66	3/4	1,509.90	3/4	1,146.05	3/4	781.98	3/4	417.35	3/4	58.83	3/4	3/4	3/4	3/4	3/4	3/4
5	2,231.81	5	1,867.06	5	1,502.30	5	1,138.48	5	774.39	5	409.75	5	52.84	5	5	5	5	5	5
1/4	2,224.21	1/4	1,859.46	1/4	1,494.70	1/4	1,130.91	1/4	766.79	1/4	402.15	1/4	47.55	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,216.61	1/2	1,851.86	1/2	1,487.11	1/2	1,123.35	1/2	759.20	1/2	394.55	1/2	42.59	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,209.01	3/4	1,844.26	3/4	1,479.51	3/4	1,115.78	3/4	751.60	3/4	386.96	3/4	37.64	3/4	3/4	3/4	3/4	3/4	3/4
6	2,201.41	6	1,836.66	6	1,471.91	6	1,108.21	6	744.01	6	379.36	6	32.69	6	6	6	6	6	6
1/4	2,193.81	1/4	1,829.06	1/4	1,464.31	1/4	1,100.64	1/4	736.41	1/4	371.76	1/4	30.21	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,186.22	1/2	1,821.46	1/2	1,456.71	1/2	1,093.08	1/2	728.82	1/2	364.17	1/2	27.74	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,178.62	3/4	1,813.86	3/4	1,449.11	3/4	1,085.51	3/4	721.22	3/4	356.57	3/4	25.27	3/4	3/4	3/4	3/4	3/4	3/4
7	2,171.02	7	1,806.26	7	1,441.51	7	1,077.94	7	713.62	7	348.97	7	22.80	7	7	7	7	7	7
1/4	2,163.42	1/4	1,798.66	1/4	1,433.91	1/4	1,070.37	1/4	706.03	1/4	341.37	1/4	20.33	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,155.82	1/2	1,791.07	1/2	1,426.32	1/2	1,062.81	1/2	698.43	1/2	333.77	1/2	17.86	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,148.22	3/4	1,783.47	3/4	1,418.72	3/4	1,055.24	3/4	690.84	3/4	326.18	3/4	15.39	3/4	3/4	3/4	3/4	3/4	3/4
8	2,140.62	8	1,775.87	8	1,411.12	8	1,047.67	8	683.24	8	318.58	8	12.92	8	8	8	8	8	8
1/4	2,133.02	1/4	1,768.27	1/4	1,403.52	1/4	1,040.10	1/4	675.64	1/4	310.98	1/4	10.45	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,125.42	1/2	1,760.67	1/2	1,395.93	1/2	1,032.53	1/2	668.05	1/2	303.39	1/2	8.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,117.82	3/4	1,753.07	3/4	1,388.33	3/4	1,024.96	3/4	660.45	3/4	295.79	3/4	5.55	3/4	3/4	3/4	3/4	3/4	3/4
9	2,110.22	9	1,745.47	9	1,380.73	9	1,017.39	9	652.85	9	288.19	9	3.10	9	9	9	9	9	9
1/4	2,102.62	1/4	1,737.87	1/4	1,373.14	1/4	1,009.81	1/4	645.25	1/4	280.59	1/4	0.65	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,095.03	1/2	1,730.28	1/2	1,365.56	1/2	1,002.23	1/2	637.66	1/2	273.00	1/2	0.20	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,087.43	3/4	1,722.68	3/4	1,357.97	3/4	994.65	3/4	630.06	3/4	265.40	3/4	0.25	3/4	3/4	3/4	3/4	3/4	3/4
10	2,079.83	10	1,715.08	10	1,350.39	10	987.07	10	622.46	10	257.80	10	0.30	10	10	10	10	10	10
1/4	2,072.23	1/4	1,707.48	1/4	1,342.81	1/4	979.47	1/4	614.87	1/4	250.21	1/4	0.35	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,064.63	1/2	1,699.88	1/2	1,335.25	1/2	971.88	1/2	607.27	1/2	242.61	1/2	0.40	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,057.03	3/4	1,692.28	3/4	1,327.68	3/4	964.28	3/4	599.68	3/4	235.02	3/4	0.45	3/4	3/4	3/4	3/4	3/4	3/4
11	2,049.43	11	1,684.68	11	1,320.11	11	956.69	11	592.08	11	227.42	11	0.50	11	11	11	11	11	11
1/4	2,041.83	1/4	1,677.08	1/4	1,312.54	1/4	949.09	1/4	584.48	1/4	219.83	1/4	0.55	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,034.24	1/2	1,669.48	1/2	1,304.98	1/2	941.50	1/2	576.89	1/2	212.24	1/2	0.60	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,026.64	3/4	1,661.88	3/4	1,297.41	3/4	933.90	3/4	569.29	3/4	204.65	3/4	0.65	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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