



BARGE "KIRBY 28134"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
1 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
1 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
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	-00-1/2	00-1/2	-00-5/8	00-5/8	-00-3/4	00-3/4
3 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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 236'-09"

September 15, 2009

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

<http://www.pmacorp.net>



BARGE "KIRBY 28134"

1 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
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 EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-08" OFF CENTERLINE AND 37'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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John J. ...



BARGE "KIRBY 28134"

1 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	1,981.22	0	1,649.35	0	1,317.47	0	985.93	0	669.26	0	375.70	0	105.77	0		0		0	
1/4	1,974.31	1/4	1,642.43	1/4	1,310.56	1/4	979.10	1/4	662.92	1/4	369.85	1/4	100.41	1/4		1/4		1/4	
1/2	1,967.40	1/2	1,635.52	1/2	1,303.64	1/2	972.26	1/2	656.57	1/2	364.00	1/2	95.05	1/2		1/2		1/2	
3/4	1,960.48	3/4	1,628.60	3/4	1,296.73	3/4	965.43	3/4	650.23	3/4	358.15	3/4	89.70	3/4		3/4		3/4	
1	1,953.57	1	1,621.69	1	1,289.81	1	958.60	1	643.89	1	352.30	1	84.34	1		1		1	
1/4	1,946.65	1/4	1,614.78	1/4	1,282.90	1/4	951.82	1/4	637.59	1/4	346.49	1/4	79.03	1/4		1/4		1/4	
1/2	1,939.74	1/2	1,607.86	1/2	1,275.99	1/2	945.05	1/2	631.29	1/2	340.69	1/2	73.72	1/2		1/2		1/2	
3/4	1,932.83	3/4	1,600.95	3/4	1,269.07	3/4	938.27	3/4	624.99	3/4	334.88	3/4	68.41	3/4		3/4		3/4	
2	1,925.91	2	1,594.03	2	1,262.16	2	931.49	2	618.69	2	329.07	2	63.10	2		2		2	
1/4	1,919.00	1/4	1,587.12	1/4	1,255.24	1/4	924.76	1/4	612.43	1/4	323.30	1/4	57.82	1/4		1/4		1/4	
1/2	1,912.08	1/2	1,580.21	1/2	1,248.33	1/2	918.02	1/2	606.17	1/2	317.54	1/2	52.55	1/2		1/2		1/2	
3/4	1,905.17	3/4	1,573.29	3/4	1,241.42	3/4	911.29	3/4	599.91	3/4	311.77	3/4	47.27	3/4		3/4		3/4	
3	1,898.25	3	1,566.38	3	1,234.50	3	904.55	3	593.65	3	306.00	3	42.00	3		3		3	
1/4	1,891.34	1/4	1,559.46	1/4	1,227.59	1/4	897.86	1/4	587.43	1/4	300.27	1/4	37.64	1/4		1/4		1/4	
1/2	1,884.43	1/2	1,552.55	1/2	1,220.67	1/2	891.16	1/2	581.21	1/2	294.55	1/2	33.27	1/2		1/2		1/2	
3/4	1,877.51	3/4	1,545.64	3/4	1,213.76	3/4	884.47	3/4	575.00	3/4	288.82	3/4	28.91	3/4		3/4		3/4	
4	1,870.60	4	1,538.72	4	1,206.84	4	877.77	4	568.78	4	283.10	4	24.54	4		4		4	
1/4	1,863.68	1/4	1,531.81	1/4	1,199.93	1/4	871.12	1/4	562.60	1/4	277.41	1/4	21.94	1/4		1/4		1/4	
1/2	1,856.77	1/2	1,524.89	1/2	1,193.02	1/2	864.46	1/2	556.42	1/2	271.73	1/2	19.35	1/2		1/2		1/2	
3/4	1,849.86	3/4	1,517.98	3/4	1,186.10	3/4	857.81	3/4	550.25	3/4	266.04	3/4	16.75	3/4		3/4		3/4	
5	1,842.94	5	1,511.07	5	1,179.19	5	851.16	5	544.07	5	260.35	5	14.15	5		5		5	
1/4	1,836.03	1/4	1,504.15	1/4	1,172.27	1/4	844.54	1/4	537.93	1/4	254.71	1/4		1/4		1/4		1/4	
1/2	1,829.11	1/2	1,497.24	1/2	1,165.36	1/2	837.93	1/2	531.80	1/2	249.07	1/2		1/2		1/2		1/2	
3/4	1,822.20	3/4	1,490.32	3/4	1,158.45	3/4	831.32	3/4	525.66	3/4	243.43	3/4		3/4		3/4		3/4	
6	1,815.29	6	1,483.41	6	1,151.53	6	824.71	6	519.53	6	237.78	6		6		6		6	
1/4	1,808.37	1/4	1,476.49	1/4	1,144.62	1/4	818.14	1/4	513.43	1/4	232.18	1/4		1/4		1/4		1/4	
1/2	1,801.46	1/2	1,469.58	1/2	1,137.70	1/2	811.56	1/2	507.33	1/2	226.57	1/2		1/2		1/2		1/2	
3/4	1,794.54	3/4	1,462.67	3/4	1,130.79	3/4	804.99	3/4	501.24	3/4	220.97	3/4		3/4		3/4		3/4	
7	1,787.63	7	1,455.75	7	1,123.88	7	798.42	7	495.14	7	215.36	7		7		7		7	
1/4	1,780.72	1/4	1,448.84	1/4	1,116.96	1/4	791.89	1/4	489.09	1/4	209.80	1/4		1/4		1/4		1/4	
1/2	1,773.80	1/2	1,441.92	1/2	1,110.05	1/2	785.36	1/2	483.03	1/2	204.24	1/2		1/2		1/2		1/2	
3/4	1,766.89	3/4	1,435.01	3/4	1,103.13	3/4	778.83	3/4	476.98	3/4	198.68	3/4		3/4		3/4		3/4	
8	1,759.97	8	1,428.10	8	1,096.22	8	772.30	8	470.93	8	193.12	8		8		8		8	
1/4	1,753.06	1/4	1,421.18	1/4	1,089.31	1/4	765.81	1/4	464.91	1/4	187.60	1/4		1/4		1/4		1/4	
1/2	1,746.14	1/2	1,414.27	1/2	1,082.39	1/2	759.32	1/2	458.90	1/2	182.08	1/2		1/2		1/2		1/2	
3/4	1,739.23	3/4	1,407.35	3/4	1,075.48	3/4	752.83	3/4	452.89	3/4	176.55	3/4		3/4		3/4		3/4	
9	1,732.32	9	1,400.44	9	1,068.57	9	746.34	9	446.87	9	171.03	9		9		9		9	
1/4	1,725.40	1/4	1,393.53	1/4	1,061.66	1/4	739.87	1/4	440.90	1/4	165.55	1/4		1/4		1/4		1/4	
1/2	1,718.49	1/2	1,386.61	1/2	1,054.76	1/2	733.41	1/2	434.93	1/2	160.07	1/2		1/2		1/2		1/2	
3/4	1,711.57	3/4	1,379.70	3/4	1,047.85	3/4	726.94	3/4	428.96	3/4	154.59	3/4		3/4		3/4		3/4	
10	1,704.66	10	1,372.78	10	1,040.95	10	720.48	10	422.99	10	149.12	10		10		10		10	
1/4	1,697.75	1/4	1,365.87	1/4	1,034.06	1/4	714.06	1/4	417.05	1/4	143.67	1/4		1/4		1/4		1/4	
1/2	1,690.83	1/2	1,358.96	1/2	1,027.17	1/2	707.63	1/2	411.12	1/2	138.23	1/2		1/2		1/2		1/2	
3/4	1,683.92	3/4	1,352.04	3/4	1,020.28	3/4	701.21	3/4	405.19	3/4	132.79	3/4		3/4		3/4		3/4	
11	1,677.00	11	1,345.13	11	1,013.39	11	694.78	11	399.26	11	127.35	11		11		11		11	
1/4	1,670.09	1/4	1,338.21	1/4	1,006.53	1/4	688.40	1/4	393.37	1/4	121.95	1/4		1/4		1/4		1/4	
1/2	1,663.18	1/2	1,331.30	1/2	999.66	1/2	682.02	1/2	387.48	1/2	116.56	1/2		1/2		1/2		1/2	
3/4	1,656.26	3/4	1,324.38	3/4	992.80	3/4	675.64	3/4	381.59	3/4	111.16	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/15/2009 CL - SW
 CALCULATED: 09/15/2009 CL
 PRINTED: 09/15/2009 CL

CANCELS AND SUPERCEDES
 ALL PRIOR TO 09/2009

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



BARGE "KIRBY 28134"

1 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-98" OFF CENTERLINE AND 37'-96" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "KIRBY 28134"

1 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN 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	0	1/4	1/2	3/4	1	1/4	1/2	3/4	1	1/4	1/2	3/4	1	1/4	1/2	3/4	1	1/4	1/2
0	1,977.36	0	1,645.84	0	1,314.31	0	983.24	0	668.54	0	375.30	0	105.65	0	0	0	0	0	0
1/4	1,970.46	1/4	1,638.93	1/4	1,307.40	1/4	976.45	1/4	662.21	1/4	369.46	1/4	100.30	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,963.55	1/2	1,632.02	1/2	1,300.50	1/2	969.66	1/2	655.87	1/2	363.61	1/2	94.95	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,956.64	3/4	1,625.12	3/4	1,293.59	3/4	962.87	3/4	649.54	3/4	357.77	3/4	89.60	3/4	3/4	3/4	3/4	3/4	3/4
1	1,949.74	1	1,618.21	1	1,286.68	1	956.08	1	643.20	1	351.92	1	84.25	1	1	1	1	1	1
1/4	1,942.83	1/4	1,611.30	1/4	1,279.78	1/4	949.35	1/4	636.91	1/4	346.12	1/4	78.94	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,935.92	1/2	1,604.40	1/2	1,272.87	1/2	942.62	1/2	630.62	1/2	340.32	1/2	73.64	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,929.02	3/4	1,597.49	3/4	1,265.96	3/4	935.89	3/4	624.32	3/4	334.52	3/4	68.33	3/4	3/4	3/4	3/4	3/4	3/4
2	1,922.11	2	1,590.58	2	1,259.06	2	929.16	2	618.03	2	328.72	2	63.03	2	2	2	2	2	2
1/4	1,915.20	1/4	1,583.68	1/4	1,252.15	1/4	922.47	1/4	611.78	1/4	322.96	1/4	57.76	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,908.30	1/2	1,576.77	1/2	1,245.24	1/2	915.78	1/2	605.52	1/2	317.20	1/2	52.49	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,901.39	3/4	1,569.86	3/4	1,238.34	3/4	909.09	3/4	599.27	3/4	311.43	3/4	47.22	3/4	3/4	3/4	3/4	3/4	3/4
3	1,894.48	3	1,562.96	3	1,231.43	3	902.40	3	593.02	3	305.67	3	41.95	3	3	3	3	3	3
1/4	1,887.58	1/4	1,556.05	1/4	1,224.52	1/4	895.75	1/4	586.81	1/4	299.95	1/4	37.59	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,880.67	1/2	1,549.14	1/2	1,217.62	1/2	889.10	1/2	580.59	1/2	294.23	1/2	33.24	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,873.76	3/4	1,542.24	3/4	1,210.71	3/4	882.45	3/4	574.38	3/4	288.51	3/4	28.88	3/4	3/4	3/4	3/4	3/4	3/4
4	1,866.85	4	1,535.33	4	1,203.80	4	875.80	4	568.17	4	282.80	4	24.52	4	4	4	4	4	4
1/4	1,859.95	1/4	1,528.42	1/4	1,196.90	1/4	869.19	1/4	562.00	1/4	277.12	1/4	21.92	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,853.04	1/2	1,521.51	1/2	1,189.99	1/2	862.59	1/2	555.83	1/2	271.44	1/2	19.33	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,846.13	3/4	1,514.61	3/4	1,183.08	3/4	855.98	3/4	549.66	3/4	265.76	3/4	16.73	3/4	3/4	3/4	3/4	3/4	3/4
5	1,839.23	5	1,507.70	5	1,176.17	5	849.37	5	543.49	5	260.07	5	14.14	5	5	5	5	5	5
1/4	1,832.32	1/4	1,500.79	1/4	1,169.27	1/4	842.80	1/4	537.36	1/4	254.44	1/4	11.54	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,825.41	1/2	1,493.89	1/2	1,162.36	1/2	836.24	1/2	531.23	1/2	248.80	1/2	9.94	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,818.51	3/4	1,486.98	3/4	1,155.45	3/4	829.67	3/4	525.10	3/4	243.17	3/4	8.34	3/4	3/4	3/4	3/4	3/4	3/4
6	1,811.60	6	1,480.07	6	1,148.55	6	823.10	6	518.97	6	237.53	6	6.74	6	6	6	6	6	6
1/4	1,804.69	1/4	1,473.17	1/4	1,141.64	1/4	816.58	1/4	512.88	1/4	231.93	1/4	5.14	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,797.79	1/2	1,466.26	1/2	1,134.73	1/2	810.05	1/2	506.79	1/2	226.33	1/2	3.54	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,790.88	3/4	1,459.35	3/4	1,127.83	3/4	803.52	3/4	500.70	3/4	220.73	3/4	1.94	3/4	3/4	3/4	3/4	3/4	3/4
7	1,783.97	7	1,452.45	7	1,120.92	7	797.00	7	494.61	7	215.13	7	0.34	7	7	7	7	7	7
1/4	1,777.07	1/4	1,445.54	1/4	1,114.01	1/4	790.51	1/4	488.57	1/4	209.58	1/4	-0.26	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,770.16	1/2	1,438.63	1/2	1,107.11	1/2	784.03	1/2	482.52	1/2	204.02	1/2	-0.86	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,763.25	3/4	1,431.73	3/4	1,100.20	3/4	777.54	3/4	476.47	3/4	198.47	3/4	-1.46	3/4	3/4	3/4	3/4	3/4	3/4
8	1,756.35	8	1,424.82	8	1,093.29	8	771.06	8	470.42	8	192.92	8	-2.06	8	8	8	8	8	8
1/4	1,749.44	1/4	1,417.91	1/4	1,086.39	1/4	764.61	1/4	464.42	1/4	187.40	1/4	-2.66	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,742.53	1/2	1,411.01	1/2	1,079.48	1/2	758.17	1/2	458.41	1/2	181.88	1/2	-3.26	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,735.63	3/4	1,404.10	3/4	1,072.58	3/4	751.72	3/4	452.40	3/4	176.36	3/4	-3.86	3/4	3/4	3/4	3/4	3/4	3/4
9	1,728.72	9	1,397.19	9	1,065.67	9	745.28	9	446.39	9	170.85	9	-4.46	9	9	9	9	9	9
1/4	1,721.81	1/4	1,390.29	1/4	1,058.77	1/4	738.86	1/4	440.43	1/4	165.37	1/4	-5.06	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,714.91	1/2	1,383.38	1/2	1,051.87	1/2	732.44	1/2	434.46	1/2	159.90	1/2	-5.66	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,708.00	3/4	1,376.47	3/4	1,044.98	3/4	726.01	3/4	428.50	3/4	154.43	3/4	-6.26	3/4	3/4	3/4	3/4	3/4	3/4
10	1,701.09	10	1,369.57	10	1,038.08	10	719.59	10	422.53	10	148.96	10	-6.86	10	10	10	10	10	10
1/4	1,694.18	1/4	1,362.66	1/4	1,031.20	1/4	713.21	1/4	416.61	1/4	143.52	1/4	-7.46	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,687.28	1/2	1,355.75	1/2	1,024.32	1/2	706.82	1/2	410.68	1/2	138.08	1/2	-8.06	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,680.37	3/4	1,348.84	3/4	1,017.43	3/4	700.43	3/4	404.76	3/4	132.65	3/4	-8.66	3/4	3/4	3/4	3/4	3/4	3/4
11	1,673.46	11	1,341.94	11	1,010.55	11	694.04	11	398.83	11	127.21	11	-9.26	11	11	11	11	11	11
1/4	1,666.56	1/4	1,335.03	1/4	1,003.72	1/4	687.67	1/4	392.95	1/4	121.82	1/4	-9.86	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,659.65	1/2	1,328.12	1/2	996.89	1/2	681.29	1/2	387.07	1/2	116.43	1/2	-10.46	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,652.74	3/4	1,321.22	3/4	990.07	3/4	674.92	3/4	381.18	3/4	111.04	3/4	-11.06	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/15/2009 CL - SW
 CALCULATED: 09/15/2009 CL
 PRINTED: 09/15/2009 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 09/2009

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



BARGE "KIRBY 28134"

2 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS		GAUGE HEIGHT 16'-05"																	
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
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	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

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-08" OFF CENTERLINE AND 44'-00" 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 28134"

2 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN 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	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	2,487.77	0	2,099.83	0	1,711.88	0	1,323.94	0	936.00	0	548.93	0	161.40	0		0		0	
1/4	2,479.68	1/4	2,091.74	1/4	1,703.80	1/4	1,315.86	1/4	929.92	1/4	540.85	1/4	153.33	1/4		1/4		1/4	
1/2	2,471.60	1/2	2,083.66	1/2	1,695.72	1/2	1,307.78	1/2	919.84	1/2	532.78	1/2	145.26	1/2		1/2		1/2	
3/4	2,463.52	3/4	2,075.58	3/4	1,687.64	3/4	1,299.70	3/4	911.76	3/4	524.71	3/4	137.18	3/4		3/4		3/4	
1	2,455.44	1	2,067.50	1	1,679.56	1	1,291.62	1	903.67	1	516.63	1	129.11	1		1		1	
1/4	2,447.37	1/4	2,059.41	1/4	1,671.47	1/4	1,283.53	1/4	895.60	1/4	508.56	1/4	121.04	1/4		1/4		1/4	
1/2	2,439.27	1/2	2,051.33	1/2	1,663.39	1/2	1,275.45	1/2	887.53	1/2	500.49	1/2	112.96	1/2		1/2		1/2	
3/4	2,431.19	3/4	2,043.25	3/4	1,655.31	3/4	1,267.37	3/4	879.46	3/4	492.41	3/4	104.89	3/4		3/4		3/4	
2	2,423.11	2	2,035.17	2	1,647.23	2	1,259.29	2	871.39	2	484.34	2	96.82	2		2		2	
1/4	2,415.03	1/4	2,027.09	1/4	1,639.15	1/4	1,251.20	1/4	863.34	1/4	476.27	1/4	88.74	1/4		1/4		1/4	
1/2	2,406.95	1/2	2,019.01	1/2	1,631.06	1/2	1,243.12	1/2	855.28	1/2	468.19	1/2	80.67	1/2		1/2		1/2	
3/4	2,398.86	3/4	2,010.92	3/4	1,622.98	3/4	1,235.04	3/4	847.22	3/4	460.12	3/4	72.60	3/4		3/4		3/4	
3	2,390.78	3	2,002.84	3	1,614.90	3	1,226.96	3	839.16	3	452.04	3	64.52	3		3		3	
1/4	2,382.70	1/4	1,994.76	1/4	1,606.82	1/4	1,218.88	1/4	831.11	1/4	443.97	1/4	57.46	1/4		1/4		1/4	
1/2	2,374.62	1/2	1,986.68	1/2	1,598.74	1/2	1,210.79	1/2	823.05	1/2	435.90	1/2	50.39	1/2		1/2		1/2	
3/4	2,366.53	3/4	1,978.59	3/4	1,590.65	3/4	1,202.71	3/4	814.99	3/4	427.82	3/4	43.33	3/4		3/4		3/4	
4	2,358.45	4	1,970.51	4	1,582.57	4	1,194.63	4	806.93	4	419.75	4	36.26	4		4		4	
1/4	2,350.37	1/4	1,962.43	1/4	1,574.49	1/4	1,186.55	1/4	798.88	1/4	411.68	1/4	31.22	1/4		1/4		1/4	
1/2	2,342.29	1/2	1,954.35	1/2	1,566.41	1/2	1,178.47	1/2	790.82	1/2	403.60	1/2	26.18	1/2		1/2		1/2	
3/4	2,334.21	3/4	1,946.27	3/4	1,558.32	3/4	1,170.38	3/4	782.76	3/4	395.53	3/4	21.14	3/4		3/4		3/4	
5	2,326.12	5	1,938.18	5	1,550.24	5	1,162.30	5	774.70	5	387.46	5	16.09	5		5		5	
1/4	2,318.04	1/4	1,930.10	1/4	1,542.16	1/4	1,154.22	1/4	766.64	1/4	379.38	1/4		1/4		1/4		1/4	
1/2	2,309.96	1/2	1,922.02	1/2	1,534.08	1/2	1,146.14	1/2	758.59	1/2	371.31	1/2		1/2		1/2		1/2	
3/4	2,301.88	3/4	1,913.94	3/4	1,526.00	3/4	1,138.06	3/4	750.53	3/4	363.24	3/4		3/4		3/4		3/4	
6	2,293.80	6	1,905.85	6	1,517.91	6	1,129.97	6	742.47	6	355.16	6		6		6		6	
1/4	2,285.71	1/4	1,897.77	1/4	1,509.83	1/4	1,121.89	1/4	734.41	1/4	347.09	1/4		1/4		1/4		1/4	
1/2	2,277.63	1/2	1,889.69	1/2	1,501.75	1/2	1,113.81	1/2	726.36	1/2	339.02	1/2		1/2		1/2		1/2	
3/4	2,269.55	3/4	1,881.61	3/4	1,493.67	3/4	1,105.73	3/4	718.30	3/4	330.94	3/4		3/4		3/4		3/4	
7	2,261.47	7	1,873.53	7	1,485.59	7	1,097.64	7	710.24	7	322.87	7		7		7		7	
1/4	2,253.39	1/4	1,865.44	1/4	1,477.50	1/4	1,089.56	1/4	702.18	1/4	314.80	1/4		1/4		1/4		1/4	
1/2	2,245.30	1/2	1,857.36	1/2	1,469.42	1/2	1,081.48	1/2	694.13	1/2	306.72	1/2		1/2		1/2		1/2	
3/4	2,237.22	3/4	1,849.28	3/4	1,461.34	3/4	1,073.40	3/4	686.07	3/4	298.65	3/4		3/4		3/4		3/4	
8	2,229.14	8	1,841.20	8	1,453.26	8	1,065.32	8	678.01	8	290.58	8		8		8		8	
1/4	2,221.06	1/4	1,833.12	1/4	1,445.18	1/4	1,057.23	1/4	669.95	1/4	282.50	1/4		1/4		1/4		1/4	
1/2	2,212.97	1/2	1,825.03	1/2	1,437.09	1/2	1,049.15	1/2	661.89	1/2	274.43	1/2		1/2		1/2		1/2	
3/4	2,204.89	3/4	1,816.95	3/4	1,429.01	3/4	1,041.07	3/4	653.84	3/4	266.36	3/4		3/4		3/4		3/4	
9	2,196.81	9	1,808.87	9	1,420.93	9	1,032.99	9	645.78	9	258.28	9		9		9		9	
1/4	2,188.73	1/4	1,800.79	1/4	1,412.85	1/4	1,024.91	1/4	637.71	1/4	250.21	1/4		1/4		1/4		1/4	
1/2	2,180.65	1/2	1,792.71	1/2	1,404.76	1/2	1,016.82	1/2	629.65	1/2	242.14	1/2		1/2		1/2		1/2	
3/4	2,172.56	3/4	1,784.62	3/4	1,396.68	3/4	1,008.74	3/4	621.58	3/4	234.06	3/4		3/4		3/4		3/4	
10	2,164.48	10	1,776.54	10	1,388.60	10	1,000.66	10	613.51	10	225.99	10		10		10		10	
1/4	2,156.40	1/4	1,768.46	1/4	1,380.52	1/4	992.58	1/4	605.44	1/4	217.92	1/4		1/4		1/4		1/4	
1/2	2,148.32	1/2	1,760.38	1/2	1,372.44	1/2	984.50	1/2	597.37	1/2	209.84	1/2		1/2		1/2		1/2	
3/4	2,140.24	3/4	1,752.30	3/4	1,364.35	3/4	976.41	3/4	589.29	3/4	201.77	3/4		3/4		3/4		3/4	
11	2,132.15	11	1,744.21	11	1,356.27	11	968.33	11	581.22	11	193.70	11		11		11		11	
1/4	2,124.07	1/4	1,736.13	1/4	1,348.19	1/4	960.25	1/4	573.15	1/4	185.62	1/4		1/4		1/4		1/4	
1/2	2,115.99	1/2	1,728.05	1/2	1,340.11	1/2	952.17	1/2	565.07	1/2	177.55	1/2		1/2		1/2		1/2	
3/4	2,107.91	3/4	1,719.97	3/4	1,332.03	3/4	944.09	3/4	557.00	3/4	169.48	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/15/2009 CL - SW
 CALCULATED: 09/15/2009 CL
 PRINTED: 09/15/2009 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 09/2009

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



BARGE "KIRBY 28134"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		GAUGE HEIGHT 16'-05 1/4"	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
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 ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "KIRBY 28134"

2 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

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	2,484.36	0	2,096.04	0	1,707.73	0	1,319.41	0	931.55	0	558.31	0	170.19	0	0	0	0	0	0
1/4	2,476.27	1/4	2,087.95	1/4	1,699.64	1/4	1,311.32	1/4	923.62	1/4	550.37	1/4	162.10	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,468.18	1/2	2,079.86	1/2	1,691.55	1/2	1,303.23	1/2	915.84	1/2	542.28	1/2	154.01	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,460.09	3/4	2,071.77	3/4	1,683.46	3/4	1,295.14	3/4	908.05	3/4	534.19	3/4	145.92	3/4	3/4	3/4	3/4	3/4	3/4
1	2,452.00	1	2,063.68	1	1,675.37	1	1,287.05	1	900.27	1	526.10	1	137.83	1	1	1	1	1	1
1/4	2,443.91	1/4	2,055.59	1/4	1,667.28	1/4	1,278.96	1/4	892.49	1/4	518.01	1/4	129.74	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,435.82	1/2	2,047.50	1/2	1,659.19	1/2	1,270.87	1/2	884.73	1/2	509.93	1/2	121.65	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,427.73	3/4	2,039.41	3/4	1,651.10	3/4	1,262.78	3/4	876.96	3/4	501.84	3/4	113.56	3/4	3/4	3/4	3/4	3/4	3/4
2	2,419.64	2	2,031.32	2	1,643.01	2	1,254.69	2	869.19	2	493.75	2	105.48	2	2	2	2	2	2
1/4	2,411.55	1/4	2,023.23	1/4	1,634.92	1/4	1,246.60	1/4	861.43	1/4	485.66	1/4	97.39	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,403.46	1/2	2,015.14	1/2	1,626.83	1/2	1,238.51	1/2	853.67	1/2	477.57	1/2	89.30	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,395.37	3/4	2,007.05	3/4	1,618.74	3/4	1,230.42	3/4	845.92	3/4	469.48	3/4	81.21	3/4	3/4	3/4	3/4	3/4	3/4
3	2,387.28	3	1,998.96	3	1,610.65	3	1,222.33	3	838.16	3	461.39	3	73.12	3	3	3	3	3	3
1/4	2,379.19	1/4	1,990.87	1/4	1,602.56	1/4	1,214.24	1/4	830.40	1/4	453.30	1/4	65.03	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,371.10	1/2	1,982.78	1/2	1,594.47	1/2	1,206.15	1/2	822.65	1/2	445.21	1/2	57.95	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,363.01	3/4	1,974.69	3/4	1,586.38	3/4	1,198.06	3/4	814.89	3/4	437.12	3/4	50.87	3/4	3/4	3/4	3/4	3/4	3/4
4	2,354.92	4	1,966.60	4	1,578.29	4	1,189.97	4	807.14	4	429.04	4	43.79	4	4	4	4	4	4
1/4	2,346.83	1/4	1,958.51	1/4	1,570.20	1/4	1,181.88	1/4	799.38	1/4	420.95	1/4	36.71	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,338.74	1/2	1,950.42	1/2	1,562.11	1/2	1,173.79	1/2	791.63	1/2	412.86	1/2	31.66	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,330.65	3/4	1,942.33	3/4	1,554.02	3/4	1,165.70	3/4	783.87	3/4	404.77	3/4	26.60	3/4	3/4	3/4	3/4	3/4	3/4
5	2,322.56	5	1,934.24	5	1,545.93	5	1,157.61	5	776.11	5	396.68	5	21.55	5	5	5	5	5	5
1/4	2,314.47	1/4	1,926.15	1/4	1,537.84	1/4	1,149.52	1/4	768.36	1/4	388.59	1/4	16.49	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,306.38	1/2	1,918.06	1/2	1,529.75	1/2	1,141.43	1/2	760.60	1/2	380.50	1/2	11.44	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,298.29	3/4	1,909.97	3/4	1,521.66	3/4	1,133.34	3/4	752.85	3/4	372.41	3/4	6.39	3/4	3/4	3/4	3/4	3/4	3/4
6	2,290.20	6	1,901.88	6	1,513.57	6	1,125.25	6	745.09	6	364.32	6	1.34	6	6	6	6	6	6
1/4	2,282.11	1/4	1,893.79	1/4	1,505.48	1/4	1,117.16	1/4	737.34	1/4	356.23	1/4	0.79	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,274.02	1/2	1,885.70	1/2	1,497.39	1/2	1,109.07	1/2	729.58	1/2	348.15	1/2	0.24	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,265.93	3/4	1,877.61	3/4	1,489.30	3/4	1,100.98	3/4	721.82	3/4	340.06	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
7	2,257.84	7	1,869.52	7	1,481.21	7	1,092.89	7	714.07	7	331.97	7	0.00	7	7	7	7	7	7
1/4	2,249.75	1/4	1,861.43	1/4	1,473.12	1/4	1,084.80	1/4	706.31	1/4	323.88	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,241.66	1/2	1,853.34	1/2	1,465.03	1/2	1,076.71	1/2	698.56	1/2	315.79	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,233.57	3/4	1,845.25	3/4	1,456.94	3/4	1,068.62	3/4	690.80	3/4	307.70	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
8	2,225.48	8	1,837.16	8	1,448.85	8	1,060.53	8	683.05	8	299.61	8	0.00	8	8	8	8	8	8
1/4	2,217.39	1/4	1,829.07	1/4	1,440.76	1/4	1,052.44	1/4	675.30	1/4	291.52	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,209.30	1/2	1,820.99	1/2	1,432.67	1/2	1,044.35	1/2	667.54	1/2	283.43	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,201.21	3/4	1,812.90	3/4	1,424.58	3/4	1,036.26	3/4	659.79	3/4	275.34	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
9	2,193.12	9	1,804.81	9	1,416.49	9	1,028.17	9	652.04	9	267.26	9	0.00	9	9	9	9	9	9
1/4	2,185.03	1/4	1,796.72	1/4	1,408.40	1/4	1,020.08	1/4	644.28	1/4	259.17	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,176.94	1/2	1,788.63	1/2	1,400.31	1/2	1,012.00	1/2	636.52	1/2	251.08	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,168.85	3/4	1,780.54	3/4	1,392.22	3/4	1,003.91	3/4	628.75	3/4	242.99	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
10	2,160.76	10	1,772.45	10	1,384.13	10	995.82	10	620.99	10	234.90	10	0.00	10	10	10	10	10	10
1/4	2,152.67	1/4	1,764.36	1/4	1,376.04	1/4	987.73	1/4	613.23	1/4	226.81	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,144.58	1/2	1,756.27	1/2	1,367.95	1/2	979.64	1/2	605.45	1/2	218.72	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,136.49	3/4	1,748.18	3/4	1,359.86	3/4	971.55	3/4	597.67	3/4	210.63	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
11	2,128.40	11	1,740.09	11	1,351.77	11	963.46	11	589.89	11	202.54	11	0.00	11	11	11	11	11	11
1/4	2,120.31	1/4	1,732.00	1/4	1,343.68	1/4	955.37	1/4	582.11	1/4	194.45	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,112.22	1/2	1,723.91	1/2	1,335.59	1/2	947.33	1/2	574.18	1/2	186.37	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,104.13	3/4	1,715.82	3/4	1,327.50	3/4	939.49	3/4	566.24	3/4	178.28	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/15/2009 CL - SW
 CALCULATED: 09/15/2009 CL
 PRINTED: 09/15/2009 CL

CANCELS AND SUPERCEDES
 ALL PRIOR TO 09/2009

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 28134"

3 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	4,503.24	0	4,247.24	0	3,978.46	0	3,697.20	0	3,403.09	0	3,047.86	0	3,047.86	0	2,686.62		
1/4	1/4	1/4	4,498.01	1/4	4,241.80	1/4	3,972.74	1/4	3,691.22	1/4	3,396.54	1/4	3,040.33	1/4	3,040.33	1/4	2,679.09		
1/2	1/2	1/2	4,492.76	1/2	4,236.36	1/2	3,966.99	1/2	3,685.22	1/2	3,388.71	1/2	3,032.81	1/2	3,032.81	1/2	2,671.56		
3/4	3/4	3/4	4,487.51	3/4	4,230.88	3/4	3,961.23	3/4	3,679.22	3/4	3,382.88	3/4	3,025.28	3/4	3,025.28	3/4	2,664.04		
1	1	1	4,482.26	1	4,225.42	1	3,955.48	1	3,673.22	1	3,376.05	1	3,017.76	1	3,017.76	1	2,656.51		
1/4	1/4	1/4	4,477.01	1/4	4,219.95	1/4	3,949.73	1/4	3,667.22	1/4	3,369.22	1/4	3,010.23	1/4	3,010.23	1/4	2,648.98		
1/2	1/2	1/2	4,471.74	1/2	4,214.47	1/2	3,943.96	1/2	3,661.19	1/2	3,362.11	1/2	3,002.71	1/2	3,002.71	1/2	2,641.46		
3/4	3/4	3/4	4,466.47	3/4	4,208.98	3/4	3,938.19	3/4	3,655.17	3/4	3,355.00	3/4	2,995.18	3/4	2,995.18	3/4	2,633.93		
2	2	2	4,461.20	2	4,203.50	2	3,932.42	2	3,649.14	2	3,347.90	2	2,987.65	2	2,987.65	2	2,626.40		
1/4	1/4	1/4	4,455.92	1/4	4,198.01	1/4	3,926.65	1/4	3,643.11	1/4	3,340.79	1/4	2,980.13	1/4	2,980.13	1/4	2,618.88		
1/2	1/2	1/2	4,450.63	1/2	4,192.51	1/2	3,920.86	1/2	3,637.07	1/2	3,333.40	1/2	2,972.60	1/2	2,972.60	1/2	2,611.35		
3/4	3/4	3/4	4,445.34	3/4	4,187.01	3/4	3,915.07	3/4	3,631.03	3/4	3,326.01	3/4	2,965.08	3/4	2,965.08	3/4	2,603.83		
3	3	3	4,440.04	3	4,181.50	3	3,909.28	3	3,624.99	3	3,318.63	3	2,957.55	3	2,957.55	3	2,596.30		
1/4	1/4	1/4	4,434.75	1/4	4,176.00	1/4	3,903.49	1/4	3,618.94	1/4	3,311.24	1/4	2,950.03	1/4	2,950.03	1/4	2,588.77		
1/2	1/2	1/2	4,429.47	1/2	4,170.44	1/2	3,897.68	1/2	3,612.88	1/2	3,303.72	1/2	2,942.50	1/2	2,942.50	1/2	2,581.25		
3/4	3/4	3/4	4,424.19	3/4	4,164.88	3/4	3,891.86	3/4	3,606.82	3/4	3,296.19	3/4	2,934.98	3/4	2,934.98	3/4	2,573.72		
4	4	4	4,418.92	4	4,159.32	4	3,886.05	4	3,600.76	4	3,288.67	4	2,927.45	4	2,927.45	4	2,566.19		
1/4	1/4	1/4	4,413.64	1/4	4,153.75	1/4	3,880.24	1/4	3,594.70	1/4	3,281.14	1/4	2,919.93	1/4	2,919.93	1/4	2,558.67		
1/2	1/2	1/2	4,408.35	1/2	4,148.17	1/2	3,874.41	1/2	3,588.61	1/2	3,273.62	1/2	2,912.40	1/2	2,912.40	1/2	2,551.14		
3/4	3/4	3/4	4,403.05	3/4	4,142.59	3/4	3,868.57	3/4	3,582.52	3/4	3,266.09	3/4	2,904.88	3/4	2,904.88	3/4	2,543.61		
5	5	5	4,397.76	5	4,137.00	5	3,862.74	5	3,576.43	5	3,258.57	5	2,897.35	5	2,897.35	5	2,536.09		
1/4	1/4	1/4	4,392.46	1/4	4,131.42	1/4	3,856.91	1/4	3,570.35	1/4	3,251.04	1/4	2,889.83	1/4	2,889.83	1/4	2,528.56		
1/2	1/2	1/2	4,387.14	1/2	4,125.82	1/2	3,851.05	1/2	3,564.24	1/2	3,243.51	1/2	2,882.30	1/2	2,882.30	1/2	2,521.03		
3/4	3/4	3/4	4,381.82	3/4	4,120.21	3/4	3,845.19	3/4	3,558.14	3/4	3,235.99	3/4	2,874.77	3/4	2,874.77	3/4	2,513.51		
6	6	6	4,376.50	6	4,114.61	6	3,839.33	6	3,552.03	6	3,228.46	6	2,867.25	6	2,867.25	6	2,505.98		
1/4	1/4	1/4	4,371.18	1/4	4,109.01	1/4	3,833.47	1/4	3,545.93	1/4	3,220.94	1/4	2,859.72	1/4	2,859.72	1/4	2,498.45		
1/2	1/2	1/2	4,365.85	1/2	4,103.38	1/2	3,827.60	1/2	3,539.80	1/2	3,213.41	1/2	2,852.10	1/2	2,852.10	1/2	2,490.93		
3/4	3/4	3/4	4,360.51	3/4	4,097.75	3/4	3,821.72	3/4	3,533.68	3/4	3,205.89	3/4	2,844.67	3/4	2,844.67	3/4	2,483.40		
7	7	7	4,355.17	7	4,092.12	7	3,815.85	7	3,527.56	7	3,198.36	7	2,837.15	7	2,837.15	7	2,475.87		
1/4	1/4	1/4	4,349.83	1/4	4,086.49	1/4	3,809.97	1/4	3,521.43	1/4	3,190.84	1/4	2,829.62	1/4	2,829.62	1/4	2,468.35		
1/2	1/2	1/2	4,344.47	1/2	4,080.84	1/2	3,804.08	1/2	3,515.30	1/2	3,183.31	1/2	2,822.10	1/2	2,822.10	1/2	2,460.82		
3/4	3/4	3/4	4,339.11	3/4	4,075.20	3/4	3,798.18	3/4	3,509.17	3/4	3,175.79	3/4	2,814.57	3/4	2,814.57	3/4	2,453.29		
8	8	8	4,333.74	8	4,069.55	8	3,792.29	8	3,503.03	8	3,168.26	8	2,807.04	8	2,807.04	8	2,445.77		
1/4	1/4	1/4	4,328.38	1/4	4,063.90	1/4	3,786.39	1/4	3,496.90	1/4	3,160.74	1/4	2,799.52	1/4	2,799.52	1/4	2,438.24		
1/2	1/2	1/2	4,323.00	1/2	4,058.24	1/2	3,780.47	1/2	3,490.77	1/2	3,153.21	1/2	2,791.99	1/2	2,791.99	1/2	2,430.71		
3/4	3/4	3/4	4,317.62	3/4	4,052.57	3/4	3,774.56	3/4	3,484.63	3/4	3,145.69	3/4	2,784.46	3/4	2,784.46	3/4	2,423.19		
9	9	9	4,312.24	9	4,046.91	9	3,768.64	9	3,478.50	9	3,138.16	9	2,776.94	9	2,776.94	9	2,415.66		
1/4	1/4	1/4	4,306.86	1/4	4,041.24	1/4	3,762.72	1/4	3,472.36	1/4	3,130.64	1/4	2,769.41	1/4	2,769.41	1/4	2,408.13		
1/2	1/2	1/2	4,301.46	1/2	4,035.55	1/2	3,756.78	1/2	3,466.23	1/2	3,123.11	1/2	2,761.88	1/2	2,761.88	1/2	2,400.61		
3/4	3/4	3/4	4,296.06	3/4	4,029.86	3/4	3,750.84	3/4	3,460.10	3/4	3,115.58	3/4	2,754.36	3/4	2,754.36	3/4	2,393.08		
10	10	10	4,290.66	10	4,024.17	10	3,744.90	10	3,453.96	10	3,108.06	10	2,746.83	10	2,746.83	10	2,385.55		
1/4	1/4	1/4	4,285.26	1/4	4,018.48	1/4	3,738.97	1/4	3,447.83	1/4	3,100.53	1/4	2,739.30	1/4	2,739.30	1/4	2,378.03		
1/2	1/2	1/2	4,279.84	1/2	4,012.77	1/2	3,733.01	1/2	3,441.56	1/2	3,093.01	1/2	2,731.78	1/2	2,731.78	1/2	2,370.50		
3/4	3/4	3/4	4,274.42	3/4	4,007.06	3/4	3,727.05	3/4	3,435.29	3/4	3,085.48	3/4	2,724.25	3/4	2,724.25	3/4	2,362.97		
11	11	11	4,268.99	11	4,001.36	11	3,721.10	11	3,429.01	11	3,077.96	11	2,716.72	11	2,716.72	11	2,355.45		
1/4	1/4	1/4	4,263.57	1/4	3,995.65	1/4	3,715.14	1/4	3,422.74	1/4	3,070.43	1/4	2,709.20	1/4	2,709.20	1/4	2,347.92		
1/2	1/2	1/2	4,258.13	1/2	3,989.92	1/2	3,709.16	1/2	3,416.19	1/2	3,062.91	1/2	2,701.67	1/2	2,701.67	1/2	2,340.39		
3/4	3/4	3/4	4,252.68	3/4	3,984.19	3/4	3,703.18	3/4	3,409.64	3/4	3,055.38	3/4	2,694.14	3/4	2,694.14	3/4	2,332.87		

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-49" OFF CENTERLINE AND 41'-00" 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>

Eric Johnson



BARGE "KIRBY 28134"

3 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

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	2,325.34	0	1,964.06	0	1,602.79	0	1,241.51	0	881.00	0	519.76	0	158.50	0		0		0	
1/4	2,317.81	1/4	1,956.54	1/4	1,595.26	1/4	1,233.98	1/4	873.50	1/4	512.24	1/4	150.97	1/4		1/4		1/4	
1/2	2,310.29	1/2	1,949.01	1/2	1,587.73	1/2	1,226.46	1/2	865.97	1/2	504.71	1/2	143.45	1/2		1/2		1/2	
3/4	2,302.76	3/4	1,941.48	3/4	1,580.21	3/4	1,218.93	3/4	858.44	3/4	497.18	3/4	135.92	3/4		3/4		3/4	
1	2,295.23	1	1,933.96	1	1,572.68	1	1,211.40	1	850.92	1	489.66	1	128.39	1		1		1	
1/4	2,287.71	1/4	1,926.43	1/4	1,565.15	1/4	1,203.88	1/4	843.39	1/4	482.13	1/4	120.87	1/4		1/4		1/4	
1/2	2,280.18	1/2	1,918.90	1/2	1,557.63	1/2	1,196.35	1/2	835.87	1/2	474.60	1/2	113.34	1/2		1/2		1/2	
3/4	2,272.65	3/4	1,911.38	3/4	1,550.10	3/4	1,188.82	3/4	828.34	3/4	467.08	3/4	105.81	3/4		3/4		3/4	
2	2,265.13	2	1,903.85	2	1,542.57	2	1,181.30	2	820.81	2	459.55	2	98.29	2		2		2	
1/4	2,257.60	1/4	1,896.32	1/4	1,535.05	1/4	1,173.77	1/4	813.29	1/4	452.02	1/4	90.76	1/4		1/4		1/4	
1/2	2,250.07	1/2	1,888.80	1/2	1,527.52	1/2	1,166.24	1/2	805.76	1/2	444.50	1/2	83.24	1/2		1/2		1/2	
3/4	2,242.55	3/4	1,881.27	3/4	1,519.99	3/4	1,158.72	3/4	798.23	3/4	436.97	3/4	75.71	3/4		3/4		3/4	
3	2,235.02	3	1,873.74	3	1,512.47	3	1,151.19	3	790.71	3	429.45	3	68.18	3		3		3	
1/4	2,227.50	1/4	1,866.22	1/4	1,504.94	1/4	1,143.66	1/4	783.18	1/4	421.92	1/4	60.66	1/4		1/4		1/4	
1/2	2,219.97	1/2	1,858.69	1/2	1,497.41	1/2	1,136.14	1/2	775.66	1/2	414.39	1/2	54.07	1/2		1/2		1/2	
3/4	2,212.44	3/4	1,851.17	3/4	1,489.89	3/4	1,128.61	3/4	768.13	3/4	406.87	3/4	47.48	3/4		3/4		3/4	
4	2,204.92	4	1,843.64	4	1,482.36	4	1,121.08	4	760.60	4	399.34	4	40.90	4		4		4	
1/4	2,197.39	1/4	1,836.11	1/4	1,474.84	1/4	1,113.56	1/4	753.08	1/4	391.81	1/4	34.31	1/4		1/4		1/4	
1/2	2,189.86	1/2	1,828.59	1/2	1,467.31	1/2	1,106.06	1/2	745.55	1/2	384.29	1/2	29.61	1/2		1/2		1/2	
3/4	2,182.34	3/4	1,821.06	3/4	1,459.78	3/4	1,098.55	3/4	738.02	3/4	376.76	3/4	24.90	3/4		3/4		3/4	
5	2,174.81	5	1,813.53	5	1,452.26	5	1,091.05	5	730.50	5	369.24	5	20.20	5		5		5	
1/4	2,167.28	1/4	1,806.01	1/4	1,444.73	1/4	1,083.55	1/4	722.97	1/4	361.71	1/4	15.50	1/4		1/4		1/4	
1/2	2,159.76	1/2	1,798.48	1/2	1,437.20	1/2	1,076.05	1/2	715.45	1/2	354.18	1/2		1/2		1/2		1/2	
3/4	2,152.23	3/4	1,790.95	3/4	1,429.68	3/4	1,068.55	3/4	707.92	3/4	346.66	3/4		3/4		3/4		3/4	
6	2,144.70	6	1,783.43	6	1,422.15	6	1,061.05	6	700.39	6	339.13	6		6		6		6	
1/4	2,137.18	1/4	1,775.90	1/4	1,414.62	1/4	1,053.54	1/4	692.87	1/4	331.60	1/4		1/4		1/4		1/4	
1/2	2,129.65	1/2	1,768.37	1/2	1,407.10	1/2	1,046.04	1/2	685.34	1/2	324.08	1/2		1/2		1/2		1/2	
3/4	2,122.12	3/4	1,760.85	3/4	1,399.57	3/4	1,038.54	3/4	677.81	3/4	316.55	3/4		3/4		3/4		3/4	
7	2,114.60	7	1,753.32	7	1,392.04	7	1,031.04	7	670.29	7	309.03	7		7		7		7	
1/4	2,107.07	1/4	1,745.79	1/4	1,384.52	1/4	1,023.54	1/4	662.76	1/4	301.50	1/4		1/4		1/4		1/4	
1/2	2,099.54	1/2	1,738.27	1/2	1,376.99	1/2	1,016.03	1/2	655.23	1/2	293.97	1/2		1/2		1/2		1/2	
3/4	2,092.02	3/4	1,730.74	3/4	1,369.46	3/4	1,008.53	3/4	647.71	3/4	286.45	3/4		3/4		3/4		3/4	
8	2,084.49	8	1,723.21	8	1,361.94	8	1,001.03	8	640.18	8	278.92	8		8		8		8	
1/4	2,076.96	1/4	1,715.69	1/4	1,354.41	1/4	993.53	1/4	632.66	1/4	271.39	1/4		1/4		1/4		1/4	
1/2	2,069.44	1/2	1,708.16	1/2	1,346.88	1/2	986.03	1/2	625.13	1/2	263.87	1/2		1/2		1/2		1/2	
3/4	2,061.91	3/4	1,700.63	3/4	1,339.36	3/4	978.52	3/4	617.60	3/4	256.34	3/4		3/4		3/4		3/4	
9	2,054.38	9	1,693.11	9	1,331.83	9	971.02	9	610.08	9	248.81	9		9		9		9	
1/4	2,046.86	1/4	1,685.58	1/4	1,324.30	1/4	963.52	1/4	602.55	1/4	241.29	1/4		1/4		1/4		1/4	
1/2	2,039.33	1/2	1,678.05	1/2	1,316.78	1/2	956.02	1/2	595.02	1/2	233.76	1/2		1/2		1/2		1/2	
3/4	2,031.80	3/4	1,670.53	3/4	1,309.25	3/4	948.52	3/4	587.50	3/4	226.24	3/4		3/4		3/4		3/4	
10	2,024.28	10	1,663.00	10	1,301.72	10	941.01	10	579.97	10	218.71	10		10		10		10	
1/4	2,016.75	1/4	1,655.47	1/4	1,294.20	1/4	933.51	1/4	572.45	1/4	211.18	1/4		1/4		1/4		1/4	
1/2	2,009.22	1/2	1,647.95	1/2	1,286.67	1/2	926.01	1/2	564.92	1/2	203.66	1/2		1/2		1/2		1/2	
3/4	2,001.70	3/4	1,640.42	3/4	1,279.14	3/4	918.51	3/4	557.39	3/4	196.13	3/4		3/4		3/4		3/4	
11	1,994.17	11	1,632.89	11	1,271.62	11	911.01	11	549.87	11	188.60	11		11		11		11	
1/4	1,986.64	1/4	1,625.37	1/4	1,264.09	1/4	903.51	1/4	542.34	1/4	181.08	1/4		1/4		1/4		1/4	
1/2	1,979.12	1/2	1,617.84	1/2	1,256.56	1/2	896.00	1/2	534.81	1/2	173.55	1/2		1/2		1/2		1/2	
3/4	1,971.59	3/4	1,610.31	3/4	1,249.04	3/4	888.50	3/4	527.29	3/4	166.03	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/15/2009 CL - SW
 CALCULATED: 09/15/2009 CL
 PRINTED: 09/15/2009 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 09/2009

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



BARGE "KIRBY 28134"

3 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

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 MPIMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>





BARGE "KIRBY 28134"

3 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

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	2,905.97	0	1,946.38	0	1,587.44	0	1,226.58	0	872.36	0	519.15	0	158.58	0		0		0	
1/4	2,298.46	1/4	1,936.93	1/4	1,579.92	1/4	1,219.06	1/4	864.99	1/4	511.77	1/4	151.05	1/4		1/4		1/4	
1/2	2,290.94	1/2	1,931.48	1/2	1,572.40	1/2	1,211.68	1/2	857.61	1/2	504.32	1/2	143.52	1/2		1/2		1/2	
3/4	2,283.43	3/4	1,924.02	3/4	1,564.88	3/4	1,204.30	3/4	850.23	3/4	496.87	3/4	135.99	3/4		3/4		3/4	
1	2,275.91	1	1,916.57	1	1,557.37	1	1,196.92	1	842.85	1	489.42	1	128.46	1		1		1	
1/4	2,268.39	1/4	1,909.12	1/4	1,549.85	1/4	1,189.54	1/4	835.47	1/4	481.97	1/4	120.93	1/4		1/4		1/4	
1/2	2,260.87	1/2	1,901.67	1/2	1,542.33	1/2	1,182.16	1/2	828.09	1/2	474.46	1/2	113.40	1/2		1/2		1/2	
3/4	2,253.36	3/4	1,894.22	3/4	1,534.81	3/4	1,174.78	3/4	820.71	3/4	466.94	3/4	105.87	3/4		3/4		3/4	
2	2,245.84	2	1,886.76	2	1,527.29	2	1,167.40	2	813.34	2	459.42	2	98.34	2		2		2	
1/4	2,238.32	1/4	1,879.31	1/4	1,519.78	1/4	1,160.01	1/4	805.96	1/4	451.90	1/4	90.81	1/4		1/4		1/4	
1/2	2,230.80	1/2	1,871.86	1/2	1,512.26	1/2	1,152.63	1/2	798.50	1/2	444.38	1/2	83.28	1/2		1/2		1/2	
3/4	2,223.28	3/4	1,864.41	3/4	1,504.74	3/4	1,145.25	3/4	791.24	3/4	436.86	3/4	75.75	3/4		3/4		3/4	
3	2,215.77	3	1,856.96	3	1,497.22	3	1,137.87	3	783.88	3	429.34	3	68.22	3		3		3	
1/4	2,208.25	1/4	1,849.51	1/4	1,489.71	1/4	1,130.49	1/4	776.51	1/4	421.82	1/4	60.69	1/4		1/4		1/4	
1/2	2,200.73	1/2	1,842.05	1/2	1,482.19	1/2	1,123.11	1/2	769.17	1/2	414.30	1/2	54.10	1/2		1/2		1/2	
3/4	2,193.21	3/4	1,834.60	3/4	1,474.67	3/4	1,115.73	3/4	761.82	3/4	406.79	3/4	47.51	3/4		3/4		3/4	
4	2,185.70	4	1,827.15	4	1,467.15	4	1,108.35	4	754.47	4	399.27	4	40.92	4		4		4	
1/4	2,178.18	1/4	1,819.70	1/4	1,459.63	1/4	1,100.96	1/4	747.12	1/4	391.75	1/4	34.33	1/4		1/4		1/4	
1/2	2,170.66	1/2	1,812.25	1/2	1,452.12	1/2	1,093.59	1/2	739.77	1/2	384.23	1/2	29.62	1/2		1/2		1/2	
3/4	2,163.14	3/4	1,804.79	3/4	1,444.60	3/4	1,086.22	3/4	732.43	3/4	376.71	3/4	24.92	3/4		3/4		3/4	
5	2,155.63	5	1,797.34	5	1,437.08	5	1,078.84	5	725.08	5	369.19	5	20.21	5		5		5	
1/4	2,148.11	1/4	1,789.89	1/4	1,429.56	1/4	1,071.47	1/4	717.73	1/4	361.67	1/4	15.50	1/4		1/4		1/4	
1/2	2,140.59	1/2	1,782.44	1/2	1,422.04	1/2	1,064.09	1/2	710.38	1/2	354.15	1/2	10.80	1/2		1/2		1/2	
3/4	2,133.07	3/4	1,774.99	3/4	1,414.53	3/4	1,056.72	3/4	703.03	3/4	346.64	3/4	6.10	3/4		3/4		3/4	
6	2,125.55	6	1,767.53	6	1,407.01	6	1,049.35	6	695.68	6	339.12	6	1.40	6		6		6	
1/4	2,118.04	1/4	1,760.08	1/4	1,399.49	1/4	1,041.97	1/4	688.33	1/4	331.60	1/4	0.70	1/4		1/4		1/4	
1/2	2,110.52	1/2	1,752.63	1/2	1,391.97	1/2	1,034.60	1/2	680.98	1/2	324.08	1/2	0.00	1/2		1/2		1/2	
3/4	2,103.00	3/4	1,745.18	3/4	1,384.46	3/4	1,027.22	3/4	673.63	3/4	316.56	3/4	0.00	3/4		3/4		3/4	
7	2,095.48	7	1,737.73	7	1,376.94	7	1,019.85	7	666.28	7	309.04	7	0.00	7		7		7	
1/4	2,087.97	1/4	1,730.27	1/4	1,369.42	1/4	1,012.47	1/4	658.93	1/4	301.52	1/4	0.00	1/4		1/4		1/4	
1/2	2,080.51	1/2	1,722.76	1/2	1,361.90	1/2	1,005.10	1/2	651.58	1/2	294.00	1/2	0.00	1/2		1/2		1/2	
3/4	2,073.06	3/4	1,715.24	3/4	1,354.38	3/4	997.73	3/4	644.24	3/4	286.49	3/4	0.00	3/4		3/4		3/4	
8	2,065.61	8	1,707.72	8	1,346.87	8	990.35	8	636.89	8	278.97	8	0.00	8		8		8	
1/4	2,058.16	1/4	1,700.20	1/4	1,339.35	1/4	982.98	1/4	629.54	1/4	271.45	1/4	0.00	1/4		1/4		1/4	
1/2	2,050.71	1/2	1,692.69	1/2	1,331.83	1/2	975.60	1/2	622.19	1/2	263.93	1/2	0.00	1/2		1/2		1/2	
3/4	2,043.25	3/4	1,685.17	3/4	1,324.31	3/4	968.23	3/4	614.84	3/4	256.41	3/4	0.00	3/4		3/4		3/4	
9	2,035.80	9	1,677.65	9	1,316.80	9	960.86	9	607.49	9	248.89	9	0.00	9		9		9	
1/4	2,028.35	1/4	1,670.13	1/4	1,309.28	1/4	953.48	1/4	600.14	1/4	241.37	1/4	0.00	1/4		1/4		1/4	
1/2	2,020.90	1/2	1,662.61	1/2	1,301.76	1/2	946.11	1/2	592.79	1/2	233.85	1/2	0.00	1/2		1/2		1/2	
3/4	2,013.45	3/4	1,655.10	3/4	1,294.24	3/4	938.73	3/4	585.44	3/4	226.33	3/4	0.00	3/4		3/4		3/4	
10	2,005.99	10	1,647.58	10	1,286.72	10	931.36	10	578.09	10	218.82	10	0.00	10		10		10	
1/4	1,998.54	1/4	1,640.06	1/4	1,279.21	1/4	923.98	1/4	570.74	1/4	211.30	1/4	0.00	1/4		1/4		1/4	
1/2	1,991.09	1/2	1,632.54	1/2	1,271.69	1/2	916.61	1/2	563.38	1/2	203.77	1/2	0.00	1/2		1/2		1/2	
3/4	1,983.64	3/4	1,625.03	3/4	1,264.17	3/4	909.24	3/4	556.01	3/4	196.24	3/4	0.00	3/4		3/4		3/4	
11	1,976.19	11	1,617.51	11	1,256.65	11	901.86	11	548.65	11	188.71	11	0.00	11		11		11	
1/4	1,968.74	1/4	1,609.99	1/4	1,249.14	1/4	894.49	1/4	541.29	1/4	181.18	1/4	0.00	1/4		1/4		1/4	
1/2	1,961.28	1/2	1,602.47	1/2	1,241.62	1/2	887.11	1/2	533.91	1/2	173.64	1/2	0.00	1/2		1/2		1/2	
3/4	1,953.83	3/4	1,594.95	3/4	1,234.10	3/4	879.74	3/4	526.53	3/4	166.11	3/4	0.00	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/15/2009 CL - SW
 CALCULATED: 09/15/2009 CL
 PRINTED: 09/15/2009 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 09/2009

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