



# BARGE "KIRBY 10077"

## ULLAGE TRIM TABLE

	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 CENTER	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8
3 CENTER	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8

(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 3 CENTER IS - 00-1/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 3 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 159'-06"

January 22, 2010

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

<http://www.pmacorp.net>





# BARGE "KIRBY 10077"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	1,664.79	0	1,402.57	0	1,140.20	0	877.82	0	621.50	0	358.97	0	96.41	0		0		0	
1/4	1,659.33	1/4	1,397.11	1/4	1,134.73	1/4	872.35	1/4	616.04	1/4	353.50	1/4	90.97	1/4	1/4	1/4		1/4	
1/2	1,653.87	1/2	1,391.64	1/2	1,129.26	1/2	866.89	1/2	610.59	1/2	348.03	1/2	85.52	1/2	1/2	1/2		1/2	
3/4	1,648.41	3/4	1,386.18	3/4	1,123.80	3/4	861.42	3/4	605.14	3/4	342.56	3/4	80.07	3/4	3/4	3/4		3/4	
1	1,642.96	1	1,380.71	1	1,118.33	1	856.02	1	599.67	1	337.09	1	74.66	1	1	1		1	
1/4	1,637.50	1/4	1,375.24	1/4	1,112.87	1/4	850.61	1/4	594.20	1/4	331.62	1/4	69.24	1/4	1/4	1/4		1/4	
1/2	1,632.04	1/2	1,369.78	1/2	1,107.40	1/2	845.21	1/2	588.73	1/2	326.15	1/2	63.82	1/2	1/2	1/2		1/2	
3/4	1,626.58	3/4	1,364.31	3/4	1,101.93	3/4	839.81	3/4	583.26	3/4	320.68	3/4	58.41	3/4	3/4	3/4		3/4	
2	1,621.13	2	1,358.84	2	1,096.47	2	834.47	2	577.79	2	315.21	2	53.04	2	2	2		2	
1/4	1,615.67	1/4	1,353.38	1/4	1,091.00	1/4	829.13	1/4	572.32	1/4	309.74	1/4	47.68	1/4	1/4	1/4		1/4	
1/2	1,610.21	1/2	1,347.91	1/2	1,085.53	1/2	823.79	1/2	566.86	1/2	304.27	1/2	42.31	1/2	1/2	1/2		1/2	
3/4	1,604.75	3/4	1,342.45	3/4	1,080.07	3/4	818.45	3/4	561.39	3/4	298.80	3/4	36.95	3/4	3/4	3/4		3/4	
3	1,599.29	3	1,336.98	3	1,074.60	3	813.11	3	555.92	3	293.33	3	32.39	3	3	3		3	
1/4	1,593.82	1/4	1,331.51	1/4	1,069.14	1/4	807.77	1/4	550.45	1/4	287.86	1/4	27.83	1/4	1/4	1/4		1/4	
1/2	1,588.35	1/2	1,326.05	1/2	1,063.67	1/2	802.43	1/2	544.97	1/2	282.39	1/2	23.27	1/2	1/2	1/2		1/2	
3/4	1,582.89	3/4	1,320.58	3/4	1,058.20	3/4	797.09	3/4	539.50	3/4	276.92	3/4	18.71	3/4	3/4	3/4		3/4	
4	1,577.42	4	1,315.12	4	1,052.74	4	791.77	4	534.03	4	271.44	4	15.97	4	4	4		4	
1/4	1,571.96	1/4	1,309.65	1/4	1,047.27	1/4	786.44	1/4	528.56	1/4	265.97	1/4	13.22	1/4	1/4	1/4		1/4	
1/2	1,566.49	1/2	1,304.18	1/2	1,041.81	1/2	781.12	1/2	523.09	1/2	260.50	1/2	10.48	1/2	1/2	1/2		1/2	
3/4	1,561.02	3/4	1,298.72	3/4	1,036.34	3/4	775.80	3/4	517.62	3/4	255.03	3/4	7.74	3/4	3/4	3/4		3/4	
5	1,555.56	5	1,293.25	5	1,030.87	5	770.49	5	512.15	5	249.56	5	6.83	5	5	5		5	
1/4	1,550.09	1/4	1,287.78	1/4	1,025.41	1/4	765.18	1/4	506.68	1/4	244.09	1/4	5.92	1/4	1/4	1/4		1/4	
1/2	1,544.63	1/2	1,282.32	1/2	1,019.94	1/2	759.88	1/2	501.21	1/2	238.62	1/2	5.00	1/2	1/2	1/2		1/2	
3/4	1,539.16	3/4	1,276.85	3/4	1,014.47	3/4	754.57	3/4	495.74	3/4	233.15	3/4	4.09	3/4	3/4	3/4		3/4	
6	1,533.70	6	1,271.39	6	1,009.01	6	749.26	6	490.27	6	227.68	6		6	6	6		6	
1/4	1,528.23	1/4	1,265.92	1/4	1,003.54	1/4	743.96	1/4	484.80	1/4	222.21	1/4		1/4	1/4	1/4		1/4	
1/2	1,522.77	1/2	1,260.45	1/2	998.08	1/2	738.65	1/2	479.33	1/2	216.74	1/2		1/2	1/2	1/2		1/2	
3/4	1,517.30	3/4	1,254.99	3/4	992.61	3/4	733.34	3/4	473.86	3/4	211.27	3/4		3/4	3/4	3/4		3/4	
7	1,511.84	7	1,249.52	7	987.14	7	728.04	7	468.39	7	205.80	7		7	7	7		7	
1/4	1,506.38	1/4	1,244.05	1/4	981.68	1/4	722.73	1/4	462.92	1/4	200.33	1/4		1/4	1/4	1/4		1/4	
1/2	1,500.91	1/2	1,238.59	1/2	976.21	1/2	717.42	1/2	457.45	1/2	194.86	1/2		1/2	1/2	1/2		1/2	
3/4	1,495.45	3/4	1,233.12	3/4	970.74	3/4	712.11	3/4	451.97	3/4	189.39	3/4		3/4	3/4	3/4		3/4	
8	1,489.99	8	1,227.66	8	965.28	8	706.81	8	446.50	8	183.92	8		8	8	8		8	
1/4	1,484.52	1/4	1,222.19	1/4	959.81	1/4	701.50	1/4	441.03	1/4	178.44	1/4		1/4	1/4	1/4		1/4	
1/2	1,479.06	1/2	1,216.72	1/2	954.35	1/2	696.19	1/2	435.56	1/2	172.97	1/2		1/2	1/2	1/2		1/2	
3/4	1,473.60	3/4	1,211.26	3/4	948.88	3/4	690.89	3/4	430.09	3/4	167.50	3/4		3/4	3/4	3/4		3/4	
9	1,468.13	9	1,205.79	9	943.41	9	685.58	9	424.62	9	162.03	9		9	9	9		9	
1/4	1,462.67	1/4	1,200.32	1/4	937.95	1/4	680.27	1/4	419.15	1/4	156.56	1/4		1/4	1/4	1/4		1/4	
1/2	1,457.21	1/2	1,194.86	1/2	932.48	1/2	674.97	1/2	413.68	1/2	151.09	1/2		1/2	1/2	1/2		1/2	
3/4	1,451.75	3/4	1,189.39	3/4	927.01	3/4	669.66	3/4	408.21	3/4	145.62	3/4		3/4	3/4	3/4		3/4	
10	1,446.28	10	1,183.93	10	921.55	10	664.35	10	402.74	10	140.15	10		10	10	10		10	
1/4	1,440.82	1/4	1,178.46	1/4	916.08	1/4	659.05	1/4	397.27	1/4	134.67	1/4		1/4	1/4	1/4		1/4	
1/2	1,435.36	1/2	1,172.99	1/2	910.62	1/2	653.74	1/2	391.80	1/2	129.19	1/2		1/2	1/2	1/2		1/2	
3/4	1,429.89	3/4	1,167.53	3/4	905.15	3/4	648.43	3/4	386.33	3/4	123.72	3/4		3/4	3/4	3/4		3/4	
11	1,424.43	11	1,162.06	11	899.68	11	643.06	11	380.86	11	118.25	11		11	11	11		11	
1/4	1,418.97	1/4	1,156.60	1/4	894.22	1/4	637.69	1/4	375.39	1/4	112.79	1/4		1/4	1/4	1/4		1/4	
1/2	1,413.50	1/2	1,151.13	1/2	888.75	1/2	632.32	1/2	369.92	1/2	107.32	1/2		1/2	1/2	1/2		1/2	
3/4	1,408.04	3/4	1,145.66	3/4	883.29	3/4	626.95	3/4	364.44	3/4	101.86	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/21/2010 CL - SW  
CALCULATED: 01/22/2010 CL  
PRINTED: 01/22/2010 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2010

PRECISION MEASUREMENT  
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# BARGE "KIRBY 10077"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

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
1/4	1,600.29	1/4	1,348.27	1/4	1,096.08	1/4	844.81	1/4	593.35	1/4	341.19	1/4	89.15	1/4		1/4		1/4	
1/2	1,595.04	1/2	1,343.02	1/2	1,090.83	1/2	839.59	1/2	588.10	1/2	335.94	1/2	83.93	1/2		1/2		1/2	
3/4	1,589.79	3/4	1,337.76	3/4	1,085.58	3/4	834.37	3/4	582.85	3/4	330.68	3/4	78.71	3/4		3/4		3/4	
1	1,584.54	1	1,332.51	1	1,080.32	1	829.16	1	577.60	1	325.43	1	73.49	1		1		1	
1/4	1,579.29	1/4	1,327.25	1/4	1,075.07	1/4	823.94	1/4	572.34	1/4	320.18	1/4	68.30	1/4		1/4		1/4	
1/2	1,574.04	1/2	1,322.00	1/2	1,069.81	1/2	818.72	1/2	567.09	1/2	314.92	1/2	63.11	1/2		1/2		1/2	
3/4	1,568.79	3/4	1,316.75	3/4	1,064.56	3/4	813.50	3/4	561.84	3/4	309.67	3/4	57.92	3/4		3/4		3/4	
2	1,563.54	2	1,311.49	2	1,059.31	2	808.29	2	556.58	2	304.42	2	52.73	2		2		2	
1/4	1,558.29	1/4	1,306.24	1/4	1,054.05	1/4	803.07	1/4	551.33	1/4	299.16	1/4	47.59	1/4		1/4		1/4	
1/2	1,553.04	1/2	1,300.99	1/2	1,048.80	1/2	797.85	1/2	546.08	1/2	293.91	1/2	42.45	1/2		1/2		1/2	
3/4	1,547.79	3/4	1,295.73	3/4	1,043.54	3/4	792.63	3/4	540.82	3/4	288.66	3/4	37.31	3/4		3/4		3/4	
3	1,542.54	3	1,290.48	3	1,038.29	3	787.42	3	535.57	3	283.40	3	32.17	3		3		3	
1/4	1,537.28	1/4	1,285.22	1/4	1,033.04	1/4	782.21	1/4	530.32	1/4	278.15	1/4	27.80	1/4		1/4		1/4	
1/2	1,532.03	1/2	1,279.97	1/2	1,027.78	1/2	776.99	1/2	525.06	1/2	272.89	1/2	23.43	1/2		1/2		1/2	
3/4	1,526.78	3/4	1,274.72	3/4	1,022.53	3/4	771.78	3/4	519.81	3/4	267.64	3/4	19.06	3/4		3/4		3/4	
4	1,521.53	4	1,269.46	4	1,017.27	4	766.57	4	514.56	4	262.39	4	14.69	4		4		4	
1/4	1,516.28	1/4	1,264.21	1/4	1,012.02	1/4	761.32	1/4	509.30	1/4	257.13	1/4	12.06	1/4		1/4		1/4	
1/2	1,511.03	1/2	1,258.95	1/2	1,006.77	1/2	756.07	1/2	504.05	1/2	251.88	1/2	9.43	1/2		1/2		1/2	
3/4	1,505.78	3/4	1,253.70	3/4	1,001.51	3/4	750.82	3/4	498.80	3/4	246.63	3/4	6.81	3/4		3/4		3/4	
5	1,500.53	5	1,248.45	5	996.26	5	745.58	5	493.54	5	241.37	5	4.18	5		5		5	
1/4	1,495.28	1/4	1,243.19	1/4	991.01	1/4	740.33	1/4	488.29	1/4	236.12	1/4	3.31	1/4		1/4		1/4	
1/2	1,490.03	1/2	1,237.94	1/2	985.75	1/2	735.08	1/2	483.03	1/2	230.87	1/2	2.43	1/2		1/2		1/2	
3/4	1,484.78	3/4	1,232.68	3/4	980.50	3/4	729.83	3/4	477.78	3/4	225.61	3/4	1.55	3/4		3/4		3/4	
6	1,479.53	6	1,227.43	6	975.24	6	724.58	6	472.53	6	220.36	6	0.68	6		6		6	
1/4	1,474.28	1/4	1,222.18	1/4	970.03	1/4	719.33	1/4	467.27	1/4	215.11	1/4		1/4		1/4		1/4	
1/2	1,469.03	1/2	1,216.92	1/2	964.81	1/2	714.08	1/2	462.02	1/2	209.85	1/2		1/2		1/2		1/2	
3/4	1,463.78	3/4	1,211.67	3/4	959.59	3/4	708.84	3/4	456.77	3/4	204.60	3/4		3/4		3/4		3/4	
7	1,458.53	7	1,206.42	7	954.37	7	703.59	7	451.51	7	199.35	7		7		7		7	
1/4	1,453.28	1/4	1,201.16	1/4	949.16	1/4	698.34	1/4	446.26	1/4	194.09	1/4		1/4		1/4		1/4	
1/2	1,448.03	1/2	1,195.91	1/2	943.94	1/2	693.09	1/2	441.01	1/2	188.84	1/2		1/2		1/2		1/2	
3/4	1,442.78	3/4	1,190.65	3/4	938.72	3/4	687.84	3/4	435.75	3/4	183.59	3/4		3/4		3/4		3/4	
8	1,437.53	8	1,185.40	8	933.50	8	682.59	8	430.50	8	178.33	8		8		8		8	
1/4	1,432.28	1/4	1,180.15	1/4	928.29	1/4	677.34	1/4	425.25	1/4	173.08	1/4		1/4		1/4		1/4	
1/2	1,427.03	1/2	1,174.89	1/2	923.07	1/2	672.10	1/2	419.99	1/2	167.82	1/2		1/2		1/2		1/2	
3/4	1,421.78	3/4	1,169.64	3/4	917.85	3/4	666.85	3/4	414.74	3/4	162.57	3/4		3/4		3/4		3/4	
9	1,416.53	9	1,164.38	9	912.63	9	661.60	9	409.49	9	157.32	9		9		9		9	
1/4	1,411.28	1/4	1,159.13	1/4	907.42	1/4	656.35	1/4	404.23	1/4	152.07	1/4		1/4		1/4		1/4	
1/2	1,406.03	1/2	1,153.88	1/2	902.20	1/2	651.10	1/2	398.98	1/2	146.81	1/2		1/2		1/2		1/2	
3/4	1,400.78	3/4	1,148.62	3/4	896.98	3/4	645.85	3/4	393.73	3/4	141.56	3/4		3/4		3/4		3/4	
10	1,395.53	10	1,143.37	10	891.77	10	640.61	10	388.47	10	136.31	10		10		10		10	
1/4	1,390.28	1/4	1,138.11	1/4	886.55	1/4	635.36	1/4	383.22	1/4	131.06	1/4		1/4		1/4		1/4	
1/2	1,385.03	1/2	1,132.86	1/2	881.33	1/2	630.11	1/2	377.96	1/2	125.81	1/2		1/2		1/2		1/2	
3/4	1,379.78	3/4	1,127.61	3/4	876.11	3/4	624.86	3/4	372.71	3/4	120.56	3/4		3/4		3/4		3/4	
11	1,374.53	11	1,122.35	11	870.90	11	619.62	11	367.46	11	115.32	11		11		11		11	
1/4	1,369.28	1/4	1,117.10	1/4	865.68	1/4	614.36	1/4	362.20	1/4	110.08	1/4		1/4		1/4		1/4	
1/2	1,364.02	1/2	1,111.84	1/2	860.46	1/2	609.11	1/2	356.95	1/2	104.84	1/2		1/2		1/2		1/2	
3/4	1,358.77	3/4	1,106.59	3/4	855.24	3/4	603.86	3/4	351.70	3/4	99.60	3/4		3/4		3/4		3/4	

STRAPPED: 01/21/2010 CL - SW  
CALCULATED: 01/22/2010 CL  
PRINTED: 01/22/2010 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2010

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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