



BARGE "KIRBY 10070"

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	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 01-0/8	01-0/8	- 01-3/8	01-3/8	- 01-5/8	01-5/8	- 02-0/8	02-0/8
2 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	- 00-1/4	00-1/4
3 CENTER	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 01-0/8	01-0/8	- 01-1/4	01-1/4	- 01-5/8	01-5/8	- 01-7/8	01-7/8

(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 2 CENTER IS 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 157'-09"

December 1, 2006

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

<http://www.pmacorp.net>



BARGE "KIRBY 10070"

1 CENTER ULLAGE TABLE

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

GAUGE HEIGHT 15'-10 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,462.26	0	1,206.58	0	950.89	0	699.55	0	445.92	0	190.10	0		0		0		0	
1/4	1,456.94	1/4	1,201.25	1/4	945.56	1/4	694.39	1/4	440.59	1/4	184.77	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,451.61	1/2	1,195.92	1/2	940.24	1/2	689.23	1/2	435.26	1/2	179.44	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,446.28	3/4	1,190.60	3/4	934.91	3/4	684.08	3/4	429.93	3/4	174.11	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,440.96	1	1,185.27	1	929.58	1	678.92	1	424.60	1	168.78	1		1		1		1	
1/4	1,435.63	1/4	1,179.94	1/4	924.26	1/4	673.76	1/4	419.27	1/4	163.45	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,430.30	1/2	1,174.62	1/2	918.93	1/2	668.60	1/2	413.94	1/2	158.12	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,424.98	3/4	1,169.29	3/4	913.60	3/4	663.44	3/4	408.61	3/4	152.79	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,419.65	2	1,163.96	2	908.28	2	658.29	2	403.28	2	147.46	2		2		2		2	
1/4	1,414.32	1/4	1,158.64	1/4	902.95	1/4	653.13	1/4	397.95	1/4	142.13	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,409.00	1/2	1,153.31	1/2	897.62	1/2	647.97	1/2	392.62	1/2	136.80	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,403.67	3/4	1,147.98	3/4	892.30	3/4	642.68	3/4	387.29	3/4	131.47	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,398.34	3	1,142.66	3	886.97	3	637.39	3	381.96	3	126.14	3		3		3		3	
1/4	1,393.02	1/4	1,137.33	1/4	881.64	1/4	632.10	1/4	376.63	1/4	120.81	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,387.69	1/2	1,132.00	1/2	876.32	1/2	626.81	1/2	371.30	1/2	115.48	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,382.36	3/4	1,126.68	3/4	870.99	3/4	621.52	3/4	365.97	3/4	110.15	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,377.03	4	1,121.35	4	865.66	4	616.23	4	360.64	4	104.82	4		4		4		4	
1/4	1,371.71	1/4	1,116.02	1/4	860.34	1/4	610.94	1/4	355.31	1/4	99.49	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,366.38	1/2	1,110.69	1/2	855.01	1/2	605.65	1/2	349.98	1/2	94.16	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,361.05	3/4	1,105.37	3/4	849.68	3/4	600.36	3/4	344.65	3/4	88.83	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,355.73	5	1,100.04	5	844.32	5	595.07	5	339.32	5	83.50	5		5		5		5	
1/4	1,350.40	1/4	1,094.71	1/4	839.43	1/4	589.78	1/4	333.99	1/4	78.17	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,345.07	1/2	1,089.39	1/2	834.23	1/2	584.49	1/2	328.66	1/2	72.84	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,339.75	3/4	1,084.06	3/4	829.04	3/4	579.16	3/4	323.34	3/4	67.85	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,334.42	6	1,078.73	6	823.84	6	573.83	6	318.01	6	62.85	6		6		6		6	
1/4	1,329.09	1/4	1,073.41	1/4	818.65	1/4	568.50	1/4	312.68	1/4	57.85	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,323.77	1/2	1,068.08	1/2	813.46	1/2	563.17	1/2	307.35	1/2	52.85	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,318.44	3/4	1,062.75	3/4	808.26	3/4	557.84	3/4	302.02	3/4	47.76	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,313.11	7	1,057.43	7	803.07	7	552.51	7	296.69	7	42.67	7		7		7		7	
1/4	1,307.79	1/4	1,052.10	1/4	797.87	1/4	547.18	1/4	291.36	1/4	37.58	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,302.46	1/2	1,046.77	1/2	792.68	1/2	541.85	1/2	286.03	1/2	32.50	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,297.13	3/4	1,041.45	3/4	787.49	3/4	536.52	3/4	280.70	3/4	27.73	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,291.81	8	1,036.12	8	782.29	8	531.19	8	275.37	8	22.96	8		8		8		8	
1/4	1,286.48	1/4	1,030.79	1/4	777.10	1/4	525.86	1/4	270.04	1/4	18.19	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,281.15	1/2	1,025.47	1/2	771.90	1/2	520.53	1/2	264.71	1/2	13.43	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,275.83	3/4	1,020.14	3/4	766.71	3/4	515.20	3/4	259.38	3/4	10.31	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,270.50	9	1,014.81	9	761.51	9	509.87	9	254.05	9	7.20	9		9		9		9	
1/4	1,265.17	1/4	1,009.49	1/4	756.32	1/4	504.54	1/4	248.72	1/4	4.08	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,259.85	1/2	1,004.16	1/2	751.13	1/2	499.21	1/2	243.39	1/2	0.97	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,254.52	3/4	998.83	3/4	745.97	3/4	493.88	3/4	238.06	3/4	0.84	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,249.19	10	993.51	10	740.81	10	488.55	10	232.73	10	0.71	10		10		10		10	
1/4	1,243.86	1/4	988.18	1/4	735.65	1/4	483.22	1/4	227.40	1/4	0.59	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,238.54	1/2	982.85	1/2	730.49	1/2	477.89	1/2	222.07	1/2	0.46	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,233.21	3/4	977.52	3/4	725.34	3/4	472.56	3/4	216.74	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,227.88	11	972.20	11	720.18	11	467.23	11	211.41	11		11		11		11		11	
1/4	1,222.56	1/4	966.87	1/4	715.02	1/4	461.90	1/4	206.08	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,217.23	1/2	961.54	1/2	709.86	1/2	456.58	1/2	200.75	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,211.90	3/4	956.22	3/4	704.71	3/4	451.25	3/4	195.42	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.

STRAPPED: 11/29/2006 CL - SW
CALCULATED: 12/01/2006 CL
PRINTED: 12/01/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2006

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 10070"

2 CENTER ULLAGE TABLE

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

GAUGE HEIGHT 15'-10"

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	
0		0		0		0	3,645.61	0	3,361.50	0	3,076.99	0	2,790.21	0	2,503.42	0	2,216.63	0	1,929.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,639.71	1/4	3,355.58	1/4	3,071.02	1/4	2,784.23	1/4	2,497.45	1/4	2,210.65	1/4	1,923.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,633.80	1/2	3,349.66	1/2	3,065.05	1/2	2,778.26	1/2	2,491.47	1/2	2,204.68	1/2	1,917.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,627.90	3/4	3,343.74	3/4	3,059.07	3/4	2,772.28	3/4	2,485.50	3/4	2,198.70	3/4	1,911.86
1		1		1		1	3,622.00	1	3,337.82	1	3,053.10	1	2,766.31	1	2,479.52	1	2,192.72	1	1,905.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,616.08	1/4	3,331.90	1/4	3,047.12	1/4	2,760.34	1/4	2,473.55	1/4	2,186.75	1/4	1,899.91
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,610.16	1/2	3,325.98	1/2	3,041.15	1/2	2,754.36	1/2	2,467.57	1/2	2,180.77	1/2	1,893.93
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,604.24	3/4	3,320.06	3/4	3,035.17	3/4	2,748.39	3/4	2,461.60	3/4	2,174.80	3/4	1,887.95
2		2		2		2	3,598.32	2	3,314.14	2	3,029.20	2	2,742.41	2	2,455.63	2	2,168.82	2	1,881.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,592.40	1/4	3,308.22	1/4	3,023.22	1/4	2,736.44	1/4	2,449.65	1/4	2,162.84	1/4	1,876.00
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,586.48	1/2	3,302.30	1/2	3,017.25	1/2	2,730.46	1/2	2,443.68	1/2	2,156.87	1/2	1,870.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,580.56	3/4	3,296.38	3/4	3,011.27	3/4	2,724.49	3/4	2,437.70	3/4	2,150.89	3/4	1,864.05
3		3		3		3	3,574.64	3	3,290.46	3	3,005.30	3	2,718.51	3	2,431.73	3	2,144.92	3	1,858.07
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,568.72	1/4	3,284.54	1/4	2,999.32	1/4	2,712.54	1/4	2,425.75	1/4	2,138.94	1/4	1,852.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,562.80	1/2	3,278.62	1/2	2,993.35	1/2	2,706.56	1/2	2,419.78	1/2	2,132.97	1/2	1,846.12
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,556.88	3/4	3,272.70	3/4	2,987.37	3/4	2,700.59	3/4	2,413.80	3/4	2,126.99	3/4	1,840.15
4		4		4		4	3,550.95	4	3,266.78	4	2,981.40	4	2,694.61	4	2,407.83	4	2,121.01	4	1,834.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,545.03	1/4	3,260.86	1/4	2,975.42	1/4	2,688.64	1/4	2,401.85	1/4	2,115.04	1/4	1,828.19
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,539.11	1/2	3,254.93	1/2	2,969.45	1/2	2,682.66	1/2	2,395.88	1/2	2,109.06	1/2	1,822.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,533.19	3/4	3,249.01	3/4	2,963.48	3/4	2,676.69	3/4	2,389.90	3/4	2,103.09	3/4	1,816.24
5		5		5		5	3,527.27	5	3,243.09	5	2,957.50	5	2,670.71	5	2,383.93	5	2,097.11	5	1,810.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,521.35	1/4	3,237.17	1/4	2,951.53	1/4	2,664.74	1/4	2,377.95	1/4	2,091.13	1/4	1,804.29
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,515.43	1/2	3,231.25	1/2	2,945.55	1/2	2,658.77	1/2	2,371.98	1/2	2,085.16	1/2	1,798.31
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,509.51	3/4	3,225.33	3/4	2,939.58	3/4	2,652.79	3/4	2,366.01	3/4	2,079.18	3/4	1,792.34
6		6		6		6	3,503.59	6	3,219.41	6	2,933.60	6	2,646.82	6	2,360.03	6	2,073.21	6	1,786.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,497.67	1/4	3,213.49	1/4	2,927.63	1/4	2,640.84	1/4	2,354.06	1/4	2,067.23	1/4	1,780.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,739.13	1/2	3,491.75	1/2	2,921.65	1/2	2,634.87	1/2	2,348.08	1/2	2,061.25	1/2	1,774.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,738.73	3/4	3,485.83	3/4	3,201.65	3/4	2,915.68	3/4	2,628.89	3/4	2,342.11	3/4	2,055.28
7		7		7		7	3,738.33	7	3,479.91	7	3,195.73	7	2,909.70	7	2,622.92	7	2,336.13	7	2,049.30
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,736.43	1/4	3,473.99	1/4	3,189.81	1/4	2,903.73	1/4	2,616.94	1/4	2,330.16	1/4	2,043.33
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,734.53	1/2	3,468.07	1/2	3,183.89	1/2	2,897.75	1/2	2,610.97	1/2	2,324.18	1/2	2,037.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,732.63	3/4	3,462.15	3/4	3,177.97	3/4	2,891.78	3/4	2,604.99	3/4	2,318.21	3/4	2,031.38
8		8		8		8	3,730.74	8	3,456.23	8	3,172.05	8	2,885.80	8	2,599.02	8	2,312.23	8	2,025.40
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,726.85	1/4	3,450.31	1/4	3,166.13	1/4	2,879.83	1/4	2,593.04	1/4	2,306.26	1/4	2,019.42
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,722.96	1/2	3,444.39	1/2	3,160.21	1/2	2,873.85	1/2	2,587.07	1/2	2,300.28	1/2	2,013.45
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,719.07	3/4	3,438.47	3/4	3,154.29	3/4	2,867.88	3/4	2,581.09	3/4	2,294.31	3/4	2,007.47
9		9		9		9	3,715.18	9	3,432.55	9	3,148.37	9	2,861.91	9	2,575.12	9	2,288.33	9	2,001.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,709.55	1/4	3,426.63	1/4	3,142.45	1/4	2,855.93	1/4	2,569.14	1/4	2,282.36	1/4	1,995.52
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,703.92	1/2	3,420.71	1/2	3,136.53	1/2	2,849.96	1/2	2,563.17	1/2	2,276.38	1/2	1,989.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,698.29	3/4	3,414.79	3/4	3,130.61	3/4	2,843.98	3/4	2,557.20	3/4	2,270.41	3/4	1,983.57
10		10		10		10	3,692.66	10	3,408.87	10	3,124.69	10	2,838.01	10	2,551.22	10	2,264.44	10	1,977.59
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,686.78	1/4	3,402.94	1/4	3,118.74	1/4	2,832.03	1/4	2,545.25	1/4	2,258.46	1/4	1,971.62
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,680.90	1/2	3,397.02	1/2	3,112.79	1/2	2,826.06	1/2	2,539.27	1/2	2,252.48	1/2	1,965.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,675.02	3/4	3,391.10	3/4	3,106.84	3/4	2,820.08	3/4	2,533.30	3/4	2,246.51	3/4	1,959.66
11		11		11		11	3,669.13	11	3,385.18	11	3,100.89	11	2,814.11	11	2,527.32	11	2,240.53	11	1,953.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,663.25	1/4	3,379.26	1/4	3,094.92	1/4	2,808.13	1/4	2,521.35	1/4	2,234.56	1/4	1,947.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,657.37	1/2	3,373.34	1/2	3,088.94	1/2	2,802.16	1/2	2,515.37	1/2	2,228.58	1/2	1,941.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,651.49	3/4	3,367.42	3/4	3,082.97	3/4	2,796.18	3/4	2,509.40	3/4	2,222.60	3/4	1,935.76

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 EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 29'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 10070"

2 CENTER ULLAGE TABLE

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

GAUGE HEIGHT 15'-10"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,642.94	0	1,356.10	0	1,069.26	0	785.82	0	502.42	0	215.58	0		0		0		0	
1/4	1,636.97	1/4	1,350.12	1/4	1,063.28	1/4	780.01	1/4	496.44	1/4	209.61	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,630.99	1/2	1,344.15	1/2	1,057.30	1/2	774.21	1/2	490.46	1/2	203.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,625.01	3/4	1,338.17	3/4	1,051.33	3/4	768.41	3/4	484.49	3/4	197.66	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,619.04	1	1,332.19	1	1,045.35	1	762.60	1	478.51	1	191.68	1		1		1		1	
1/4	1,613.06	1/4	1,326.22	1/4	1,039.38	1/4	756.80	1/4	472.54	1/4	185.70	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,607.09	1/2	1,320.24	1/2	1,033.40	1/2	750.99	1/2	466.56	1/2	179.73	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,601.11	3/4	1,314.27	3/4	1,027.42	3/4	745.19	3/4	460.59	3/4	173.75	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,595.13	2	1,308.29	2	1,021.45	2	739.38	2	454.61	2	167.78	2		2		2		2	
1/4	1,589.16	1/4	1,302.32	1/4	1,015.47	1/4	733.58	1/4	448.63	1/4	161.80	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,583.18	1/2	1,296.34	1/2	1,009.50	1/2	727.78	1/2	442.66	1/2	155.83	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,577.21	3/4	1,290.36	3/4	1,003.52	3/4	721.97	3/4	436.68	3/4	149.85	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,571.23	3	1,284.39	3	997.54	3	716.17	3	430.71	3	143.87	3		3		3		3	
1/4	1,565.25	1/4	1,278.41	1/4	991.57	1/4	710.36	1/4	424.73	1/4	137.90	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,559.28	1/2	1,272.44	1/2	985.59	1/2	704.56	1/2	418.76	1/2	131.92	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,553.30	3/4	1,266.46	3/4	979.62	3/4	698.76	3/4	412.78	3/4	125.95	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,547.33	4	1,260.48	4	973.64	4	692.95	4	406.80	4	119.97	4		4		4		4	
1/4	1,541.35	1/4	1,254.51	1/4	967.66	1/4	687.15	1/4	400.83	1/4	114.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,535.38	1/2	1,248.53	1/2	961.69	1/2	681.34	1/2	394.85	1/2	108.02	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,529.40	3/4	1,242.56	3/4	955.71	3/4	675.54	3/4	388.88	3/4	102.04	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,523.42	5	1,236.58	5	949.74	5	669.74	5	382.90	5	96.07	5		5		5		5	
1/4	1,517.45	1/4	1,230.60	1/4	943.76	1/4	663.76	1/4	376.93	1/4	90.09	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,511.47	1/2	1,224.63	1/2	937.79	1/2	657.78	1/2	370.95	1/2	84.12	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,505.50	3/4	1,218.65	3/4	931.81	3/4	651.81	3/4	364.97	3/4	78.14	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,499.52	6	1,212.68	6	925.83	6	645.83	6	359.00	6	72.17	6		6		6		6	
1/4	1,493.54	1/4	1,206.70	1/4	919.86	1/4	639.86	1/4	353.02	1/4	66.19	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,487.57	1/2	1,200.72	1/2	913.88	1/2	633.88	1/2	347.05	1/2	60.21	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,481.59	3/4	1,194.75	3/4	907.91	3/4	627.91	3/4	341.07	3/4	54.24	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,475.62	7	1,188.77	7	901.93	7	621.93	7	335.10	7	48.26	7		7		7		7	
1/4	1,469.64	1/4	1,182.80	1/4	896.12	1/4	615.95	1/4	329.12	1/4	42.29	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,463.66	1/2	1,176.82	1/2	890.31	1/2	609.98	1/2	323.14	1/2	36.31	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,457.69	3/4	1,170.85	3/4	884.51	3/4	604.00	3/4	317.17	3/4	30.34	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,451.71	8	1,164.87	8	878.70	8	598.03	8	311.19	8	24.36	8		8		8		8	
1/4	1,445.74	1/4	1,158.89	1/4	872.89	1/4	592.05	1/4	305.22	1/4	19.88	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,439.76	1/2	1,152.92	1/2	867.08	1/2	586.08	1/2	299.24	1/2	15.40	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,433.79	3/4	1,146.94	3/4	861.27	3/4	580.10	3/4	293.27	3/4	10.91	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,427.81	9	1,140.97	9	855.47	9	574.12	9	287.29	9	6.43	9		9		9		9	
1/4	1,421.83	1/4	1,134.99	1/4	849.66	1/4	568.15	1/4	281.32	1/4	4.94	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,415.86	1/2	1,129.01	1/2	843.86	1/2	562.17	1/2	275.34	1/2	3.45	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,409.88	3/4	1,123.04	3/4	838.05	3/4	556.20	3/4	269.36	3/4	1.95	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,403.91	10	1,117.06	10	832.25	10	550.22	10	263.39	10	0.46	10		10		10		10	
1/4	1,397.93	1/4	1,111.09	1/4	826.45	1/4	544.25	1/4	257.41	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,391.95	1/2	1,105.11	1/2	820.64	1/2	538.27	1/2	251.44	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,385.98	3/4	1,099.13	3/4	814.84	3/4	532.29	3/4	245.46	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,380.00	11	1,093.16	11	809.03	11	526.32	11	239.49	11		11		11		11		11	
1/4	1,374.03	1/4	1,087.18	1/4	803.23	1/4	520.34	1/4	233.51	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,368.05	1/2	1,081.21	1/2	797.43	1/2	514.37	1/2	227.53	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,362.07	3/4	1,075.23	3/4	791.62	3/4	508.39	3/4	221.56	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.

STRAPPED: 11/29/2006 CL - SW
CALCULATED: 12/01/2006 CL
PRINTED: 12/01/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2006

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 10070"

3 CENTER ULLAGE TABLE

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

GAUGE HEIGHT 15'-10 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	
0	1,478.83	0	1,222.45	0	966.07	0	710.06	0	454.44	0	198.07	0		0		0		0	
1/4	1,473.49	1/4	1,217.11	1/4	960.73	1/4	704.75	1/4	449.10	1/4	192.73	1/4		1/4		1/4		1/4	
1/2	1,468.15	1/2	1,211.77	1/2	955.39	1/2	699.43	1/2	443.76	1/2	187.39	1/2		1/2		1/2		1/2	
3/4	1,462.81	3/4	1,206.43	3/4	950.04	3/4	694.12	3/4	438.42	3/4	182.05	3/4		3/4		3/4		3/4	
1	1,457.47	1	1,201.09	1	944.70	1	688.81	1	433.08	1	176.71	1		1		1		1	
1/4	1,452.13	1/4	1,195.74	1/4	939.36	1/4	683.50	1/4	427.74	1/4	171.37	1/4		1/4		1/4		1/4	
1/2	1,446.79	1/2	1,190.40	1/2	934.02	1/2	678.19	1/2	422.40	1/2	166.03	1/2		1/2		1/2		1/2	
3/4	1,441.44	3/4	1,185.06	3/4	928.68	3/4	672.87	3/4	417.06	3/4	160.69	3/4		3/4		3/4		3/4	
2	1,436.10	2	1,179.72	2	923.34	2	667.56	2	411.71	2	155.35	2		2		2		2	
1/4	1,430.76	1/4	1,174.38	1/4	918.00	1/4	662.25	1/4	406.37	1/4	150.01	1/4		1/4		1/4		1/4	
1/2	1,425.42	1/2	1,169.04	1/2	912.66	1/2	656.94	1/2	401.03	1/2	144.66	1/2		1/2		1/2		1/2	
3/4	1,420.08	3/4	1,163.70	3/4	907.31	3/4	651.62	3/4	395.69	3/4	139.32	3/4		3/4		3/4		3/4	
3	1,414.74	3	1,158.35	3	901.97	3	646.31	3	390.35	3	133.98	3		3		3		3	
1/4	1,409.40	1/4	1,153.01	1/4	896.63	1/4	641.00	1/4	385.01	1/4	128.64	1/4		1/4		1/4		1/4	
1/2	1,404.05	1/2	1,147.67	1/2	891.29	1/2	635.69	1/2	379.67	1/2	123.30	1/2		1/2		1/2		1/2	
3/4	1,398.71	3/4	1,142.33	3/4	885.95	3/4	630.38	3/4	374.33	3/4	117.96	3/4		3/4		3/4		3/4	
4	1,393.37	4	1,136.99	4	880.61	4	625.06	4	368.99	4	112.62	4		4		4		4	
1/4	1,388.03	1/4	1,131.65	1/4	875.27	1/4	619.75	1/4	363.65	1/4	107.28	1/4		1/4		1/4		1/4	
1/2	1,382.69	1/2	1,126.31	1/2	869.92	1/2	614.44	1/2	358.30	1/2	101.94	1/2		1/2		1/2		1/2	
3/4	1,377.35	3/4	1,120.97	3/4	864.58	3/4	609.13	3/4	352.96	3/4	96.60	3/4		3/4		3/4		3/4	
5	1,372.01	5	1,115.62	5	859.24	5	603.82	5	347.62	5	91.25	5		5		5		5	
1/4	1,366.67	1/4	1,110.28	1/4	853.90	1/4	598.50	1/4	342.28	1/4	85.91	1/4		1/4		1/4		1/4	
1/2	1,361.32	1/2	1,104.94	1/2	848.56	1/2	593.19	1/2	336.94	1/2	80.57	1/2		1/2		1/2		1/2	
3/4	1,355.98	3/4	1,099.60	3/4	843.22	3/4	587.87	3/4	331.60	3/4	75.23	3/4		3/4		3/4		3/4	
6	1,350.64	6	1,094.26	6	837.88	6	582.56	6	326.26	6	69.89	6		6		6		6	
1/4	1,345.30	1/4	1,088.92	1/4	832.54	1/4	577.24	1/4	320.92	1/4	64.55	1/4		1/4		1/4		1/4	
1/2	1,339.96	1/2	1,083.58	1/2	827.19	1/2	571.91	1/2	315.58	1/2	59.21	1/2		1/2		1/2		1/2	
3/4	1,334.62	3/4	1,078.24	3/4	821.85	3/4	566.58	3/4	310.24	3/4	53.87	3/4		3/4		3/4		3/4	
7	1,329.28	7	1,072.89	7	816.51	7	561.25	7	304.89	7	48.53	7		7		7		7	
1/4	1,323.94	1/4	1,067.55	1/4	811.17	1/4	555.92	1/4	299.55	1/4	43.19	1/4		1/4		1/4		1/4	
1/2	1,318.59	1/2	1,062.21	1/2	805.83	1/2	550.58	1/2	294.21	1/2	37.84	1/2		1/2		1/2		1/2	
3/4	1,313.25	3/4	1,056.87	3/4	800.49	3/4	545.24	3/4	288.87	3/4	32.50	3/4		3/4		3/4		3/4	
8	1,307.91	8	1,051.53	8	795.15	8	539.90	8	283.53	8	27.16	8		8		8		8	
1/4	1,302.57	1/4	1,046.19	1/4	789.81	1/4	534.56	1/4	278.19	1/4	21.82	1/4		1/4		1/4		1/4	
1/2	1,297.23	1/2	1,040.85	1/2	784.48	1/2	529.22	1/2	272.85	1/2	17.82	1/2		1/2		1/2		1/2	
3/4	1,291.89	3/4	1,035.50	3/4	779.15	3/4	523.88	3/4	267.51	3/4	13.81	3/4		3/4		3/4		3/4	
9	1,286.55	9	1,030.16	9	773.82	9	518.53	9	262.17	9	9.80	9		9		9		9	
1/4	1,281.20	1/4	1,024.82	1/4	768.49	1/4	513.19	1/4	256.83	1/4	5.80	1/4		1/4		1/4		1/4	
1/2	1,275.86	1/2	1,019.48	1/2	763.18	1/2	507.85	1/2	251.48	1/2	4.46	1/2		1/2		1/2		1/2	
3/4	1,270.52	3/4	1,014.14	3/4	757.87	3/4	502.51	3/4	246.14	3/4	3.13	3/4		3/4		3/4		3/4	
10	1,265.18	10	1,008.80	10	752.55	10	497.17	10	240.80	10	1.79	10		10		10		10	
1/4	1,259.84	1/4	1,003.46	1/4	747.24	1/4	491.83	1/4	235.46	1/4	0.46	1/4		1/4		1/4		1/4	
1/2	1,254.50	1/2	998.12	1/2	741.93	1/2	486.49	1/2	230.12	1/2		1/2		1/2		1/2		1/2	
3/4	1,249.16	3/4	992.77	3/4	736.62	3/4	481.15	3/4	224.78	3/4		3/4		3/4		3/4		3/4	
11	1,243.82	11	987.43	11	731.31	11	475.81	11	219.44	11		11		11		11		11	
1/4	1,238.47	1/4	982.09	1/4	725.99	1/4	470.47	1/4	214.10	1/4		1/4		1/4		1/4		1/4	
1/2	1,233.13	1/2	976.75	1/2	720.68	1/2	465.12	1/2	208.76	1/2		1/2		1/2		1/2		1/2	
3/4	1,227.79	3/4	971.41	3/4	715.37	3/4	459.78	3/4	203.42	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/29/2006 CL - SW
CALCULATED: 12/01/2006 CL
PRINTED: 12/01/2006 CL

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CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2006