



BARGE "KIRBY 10514"

ULLAGE TRIM TABLE

FORMERLY "DC 738"

	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	- 00-1/2	00-1/2	- 01-0/8	01-0/8	- 01-1/2	01-1/2	- 02-0/8	02-0/8	- 02-1/2	02-1/2	- 03-0/8	03-0/8
2 CENTER	- 00-5/8	00-5/8	- 01-1/4	01-1/4	- 01-7/8	01-7/8	- 02-1/2	02-1/2	- 03-1/8	03-1/8	- 03-5/8	03-5/8
3 CENTER	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4

(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 CENTER IS 01-0/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER THE TRIM CORRECTED ULLAGE IS 4'-01"

LENGTH BETWEEN DRAFT MARKS: 153'-03"

May 3, 2002

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 10514"

1 CENTER ULLAGE TABLE

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

FORMERLY "DC 738"

GAUGE HEIGHT 17'-04 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	
0		0		0		0	3,423.24	0	3,236.65	0	3,015.06	0	2,793.46	0	2,571.87	0	2,338.96	0	2,085.42
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,422.08	1/4	3,232.03	1/4	3,010.44	1/4	2,788.85	1/4	2,567.25	1/4	2,333.68	1/4	2,080.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,420.93	1/2	3,227.41	1/2	3,005.82	1/2	2,784.23	1/2	2,562.64	1/2	2,328.40	1/2	2,074.86
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,419.77	3/4	3,222.80	3/4	3,001.21	3/4	2,779.61	3/4	2,558.02	3/4	2,323.12	3/4	2,069.58
1		1		1		1	3,417.85	1	3,218.18	1	2,996.59	1	2,775.00	1	2,553.41	1	2,317.84	1	2,064.30
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,415.93	1/4	3,213.56	1/4	2,991.97	1/4	2,770.38	1/4	2,548.79	1/4	2,312.55	1/4	2,059.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,414.00	1/2	3,208.95	1/2	2,987.36	1/2	2,765.76	1/2	2,544.17	1/2	2,307.27	1/2	2,053.73
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,412.08	3/4	3,204.33	3/4	2,982.74	3/4	2,761.15	3/4	2,539.56	3/4	2,301.99	3/4	2,048.45
2		2		2		2	3,409.39	2	3,199.72	2	2,978.12	2	2,756.53	2	2,534.94	2	2,296.71	2	2,043.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,406.69	1/4	3,195.10	1/4	2,973.51	1/4	2,751.91	1/4	2,530.32	1/4	2,291.43	1/4	2,037.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,404.00	1/2	3,190.48	1/2	2,968.89	1/2	2,747.30	1/2	2,525.71	1/2	2,286.14	1/2	2,032.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,401.31	3/4	3,185.87	3/4	2,964.27	3/4	2,742.68	3/4	2,521.09	3/4	2,280.86	3/4	2,027.32
3		3		3		3	3,397.85	3	3,181.25	3	2,959.66	3	2,738.07	3	2,516.47	3	2,275.58	3	2,022.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,394.38	1/4	3,176.63	1/4	2,955.04	1/4	2,733.45	1/4	2,511.86	1/4	2,270.30	1/4	2,016.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,390.92	1/2	3,172.02	1/2	2,950.42	1/2	2,728.83	1/2	2,507.24	1/2	2,265.01	1/2	2,011.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,387.46	3/4	3,167.40	3/4	2,945.81	3/4	2,724.22	3/4	2,502.62	3/4	2,259.73	3/4	2,006.19
4		4		4		4	3,383.23	4	3,162.78	4	2,941.19	4	2,719.60	4	2,498.01	4	2,254.45	4	2,000.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,378.99	1/4	3,158.17	1/4	2,936.57	1/4	2,714.98	1/4	2,493.39	1/4	2,249.17	1/4	1,995.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,374.76	1/2	3,153.55	1/2	2,931.96	1/2	2,710.37	1/2	2,488.77	1/2	2,243.89	1/2	1,990.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,370.53	3/4	3,148.93	3/4	2,927.34	3/4	2,705.75	3/4	2,484.16	3/4	2,238.60	3/4	1,985.06
5		5		5		5	3,365.91	5	3,144.32	5	2,922.73	5	2,701.13	5	2,479.54	5	2,233.32	5	1,979.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,361.29	1/4	3,139.70	1/4	2,918.11	1/4	2,696.52	1/4	2,474.92	1/4	2,228.04	1/4	1,974.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,356.68	1/2	3,135.08	1/2	2,913.49	1/2	2,691.90	1/2	2,470.31	1/2	2,222.76	1/2	1,969.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,352.06	3/4	3,130.47	3/4	2,908.88	3/4	2,687.28	3/4	2,465.69	3/4	2,217.48	3/4	1,963.94
6		6		6		6	3,347.44	6	3,125.85	6	2,904.26	6	2,682.67	6	2,461.08	6	2,212.19	6	1,958.65
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,342.83	1/4	3,121.23	1/4	2,899.64	1/4	2,678.05	1/4	2,456.46	1/4	2,206.91	1/4	1,953.37
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,338.21	1/2	3,116.62	1/2	2,895.03	1/2	2,673.43	1/2	2,451.84	1/2	2,201.63	1/2	1,948.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,333.59	3/4	3,112.00	3/4	2,890.41	3/4	2,668.82	3/4	2,447.23	3/4	2,196.35	3/4	1,942.81
7		7		7		7	3,328.98	7	3,107.39	7	2,885.79	7	2,664.20	7	2,442.61	7	2,191.07	7	1,937.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,324.36	1/4	3,102.77	1/4	2,881.18	1/4	2,659.58	1/4	2,437.99	1/4	2,185.78	1/4	1,932.24
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,319.74	1/2	3,098.15	1/2	2,876.56	1/2	2,654.97	1/2	2,433.38	1/2	2,180.50	1/2	1,926.96
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,315.13	3/4	3,093.54	3/4	2,871.94	3/4	2,650.35	3/4	2,428.76	3/4	2,175.22	3/4	1,921.68
8		8		8		8	3,310.51	8	3,088.92	8	2,867.33	8	2,645.74	8	2,423.48	8	2,169.94	8	1,916.40
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,305.90	1/4	3,084.30	1/4	2,862.71	1/4	2,641.12	1/4	2,418.20	1/4	2,164.65	1/4	1,911.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,301.28	1/2	3,079.69	1/2	2,858.09	1/2	2,636.50	1/2	2,412.91	1/2	2,159.37	1/2	1,905.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,296.66	3/4	3,075.07	3/4	2,853.48	3/4	2,631.89	3/4	2,407.63	3/4	2,154.09	3/4	1,900.55
9		9		9		9	3,292.05	9	3,070.45	9	2,848.86	9	2,627.27	9	2,402.35	9	2,148.81	9	1,895.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,287.43	1/4	3,065.84	1/4	2,844.24	1/4	2,622.65	1/4	2,397.07	1/4	2,143.53	1/4	1,889.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,282.81	1/2	3,061.22	1/2	2,839.63	1/2	2,618.04	1/2	2,391.79	1/2	2,138.24	1/2	1,884.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,278.20	3/4	3,056.60	3/4	2,835.01	3/4	2,613.42	3/4	2,386.50	3/4	2,132.96	3/4	1,879.42
10		10		10		10	3,273.58	10	3,051.99	10	2,830.40	10	2,608.80	10	2,381.22	10	2,127.68	10	1,874.14
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,268.96	1/4	3,047.37	1/4	2,825.78	1/4	2,604.19	1/4	2,375.94	1/4	2,122.40	1/4	1,868.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,264.35	1/2	3,042.75	1/2	2,821.16	1/2	2,599.57	1/2	2,370.66	1/2	2,117.12	1/2	1,863.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,425.93	3/4	3,259.73	3/4	3,038.14	3/4	2,816.55	3/4	2,594.95	3/4	2,365.37	3/4	2,111.83
11		11		11		11	3,425.55	11	3,255.11	11	3,033.52	11	2,811.93	11	2,590.34	11	2,360.09	11	2,106.55
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,425.16	1/4	3,250.50	1/4	3,028.90	1/4	2,807.31	1/4	2,585.72	1/4	2,354.81	1/4	2,101.27
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,424.78	1/2	3,245.88	1/2	3,024.29	1/2	2,802.70	1/2	2,581.10	1/2	2,349.53	1/2	2,095.99
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,424.39	3/4	3,241.26	3/4	3,019.67	3/4	2,798.08	3/4	2,576.49	3/4	2,344.25	3/4	2,090.71

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 14'-08 1/4" 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 10514"

1 CENTER ULLAGE TABLE

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

FORMERLY "DC 738"

GAUGE HEIGHT 17'-04 1/4"

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	1,831.88	0	1,578.34	0	1,324.80	0	1,071.26	0	817.72	0	564.18	0	310.64	0	57.90	0		0	
1/4	1,826.60	1/4	1,573.06	1/4	1,319.52	1/4	1,065.98	1/4	812.44	1/4	558.90	1/4	305.36	1/4	52.66	1/4		1/4	
1/2	1,821.32	1/2	1,567.78	1/2	1,314.24	1/2	1,060.70	1/2	807.16	1/2	553.61	1/2	300.07	1/2	47.42	1/2		1/2	
3/4	1,816.04	3/4	1,562.50	3/4	1,308.95	3/4	1,055.41	3/4	801.87	3/4	548.33	3/4	294.79	3/4	42.18	3/4		3/4	
1	1,810.75	1	1,557.21	1	1,303.67	1	1,050.13	1	796.59	1	543.05	1	289.51	1	36.94	1		1	
1/4	1,805.47	1/4	1,551.93	1/4	1,298.39	1/4	1,044.85	1/4	791.31	1/4	537.77	1/4	284.23	1/4	31.70	1/4		1/4	
1/2	1,800.19	1/2	1,546.65	1/2	1,293.11	1/2	1,039.57	1/2	786.03	1/2	532.49	1/2	278.95	1/2	27.30	1/2		1/2	
3/4	1,794.91	3/4	1,541.37	3/4	1,287.83	3/4	1,034.29	3/4	780.74	3/4	527.20	3/4	273.66	3/4	22.90	3/4		3/4	
2	1,789.63	2	1,536.09	2	1,282.54	2	1,029.00	2	775.46	2	521.92	2	268.38	2	18.49	2		2	
1/4	1,784.34	1/4	1,530.80	1/4	1,277.26	1/4	1,023.72	1/4	770.18	1/4	516.64	1/4	263.10	1/4	14.09	1/4		1/4	
1/2	1,779.06	1/2	1,525.52	1/2	1,271.98	1/2	1,018.44	1/2	764.90	1/2	511.36	1/2	257.82	1/2	11.45	1/2		1/2	
3/4	1,773.78	3/4	1,520.24	3/4	1,266.70	3/4	1,013.16	3/4	759.62	3/4	506.08	3/4	252.53	3/4	8.81	3/4		3/4	
3	1,768.50	3	1,514.96	3	1,261.42	3	1,007.88	3	754.33	3	500.79	3	247.25	3	6.17	3		3	
1/4	1,763.22	1/4	1,509.67	1/4	1,256.13	1/4	1,002.59	1/4	749.05	1/4	495.51	1/4	241.97	1/4	3.53	1/4		1/4	
1/2	1,757.93	1/2	1,504.39	1/2	1,250.85	1/2	997.31	1/2	743.77	1/2	490.23	1/2	236.69	1/2	2.65	1/2		1/2	
3/4	1,752.65	3/4	1,499.11	3/4	1,245.57	3/4	992.03	3/4	738.49	3/4	484.95	3/4	231.41	3/4	1.77	3/4		3/4	
4	1,747.37	4	1,493.83	4	1,240.29	4	986.75	4	733.21	4	479.67	4	226.12	4	0.89	4		4	
1/4	1,742.09	1/4	1,488.55	1/4	1,235.01	1/4	981.46	1/4	727.92	1/4	474.38	1/4	220.84	1/4	0.00	1/4		1/4	
1/2	1,736.80	1/2	1,483.26	1/2	1,229.72	1/2	976.18	1/2	722.64	1/2	469.10	1/2	215.56	1/2		1/2		1/2	
3/4	1,731.52	3/4	1,477.98	3/4	1,224.44	3/4	970.90	3/4	717.36	3/4	463.82	3/4	210.28	3/4		3/4		3/4	
5	1,726.24	5	1,472.70	5	1,219.16	5	965.62	5	712.08	5	458.54	5	205.00	5		5		5	
1/4	1,720.96	1/4	1,467.42	1/4	1,213.88	1/4	960.34	1/4	706.80	1/4	453.25	1/4	199.71	1/4		1/4		1/4	
1/2	1,715.68	1/2	1,462.14	1/2	1,208.59	1/2	955.05	1/2	701.51	1/2	447.97	1/2	194.43	1/2		1/2		1/2	
3/4	1,710.39	3/4	1,456.85	3/4	1,203.31	3/4	949.77	3/4	696.23	3/4	442.69	3/4	189.15	3/4		3/4		3/4	
6	1,705.11	6	1,451.57	6	1,198.03	6	944.49	6	690.95	6	437.41	6	183.87	6		6		6	
1/4	1,699.83	1/4	1,446.29	1/4	1,192.75	1/4	939.21	1/4	685.67	1/4	432.13	1/4	178.59	1/4		1/4		1/4	
1/2	1,694.55	1/2	1,441.01	1/2	1,187.47	1/2	933.93	1/2	680.38	1/2	426.84	1/2	173.30	1/2		1/2		1/2	
3/4	1,689.27	3/4	1,435.73	3/4	1,182.18	3/4	928.64	3/4	675.10	3/4	421.56	3/4	168.02	3/4		3/4		3/4	
7	1,683.98	7	1,430.44	7	1,176.90	7	923.36	7	669.82	7	416.28	7	162.74	7		7		7	
1/4	1,678.70	1/4	1,425.16	1/4	1,171.62	1/4	918.08	1/4	664.54	1/4	411.00	1/4	157.46	1/4		1/4		1/4	
1/2	1,673.42	1/2	1,419.88	1/2	1,166.34	1/2	912.80	1/2	659.26	1/2	405.72	1/2	152.22	1/2		1/2		1/2	
3/4	1,668.14	3/4	1,414.60	3/4	1,161.06	3/4	907.52	3/4	653.97	3/4	400.43	3/4	146.98	3/4		3/4		3/4	
8	1,662.86	8	1,409.31	8	1,155.77	8	902.23	8	648.69	8	395.15	8	141.74	8		8		8	
1/4	1,657.57	1/4	1,404.03	1/4	1,150.49	1/4	896.95	1/4	643.41	1/4	389.87	1/4	136.50	1/4		1/4		1/4	
1/2	1,652.29	1/2	1,398.75	1/2	1,145.21	1/2	891.67	1/2	638.13	1/2	384.59	1/2	131.26	1/2		1/2		1/2	
3/4	1,647.01	3/4	1,393.47	3/4	1,139.93	3/4	886.39	3/4	632.85	3/4	379.31	3/4	126.02	3/4		3/4		3/4	
9	1,641.73	9	1,388.19	9	1,134.65	9	881.10	9	627.56	9	374.02	9	120.78	9		9		9	
1/4	1,636.44	1/4	1,382.90	1/4	1,129.36	1/4	875.82	1/4	622.28	1/4	368.74	1/4	115.54	1/4		1/4		1/4	
1/2	1,631.16	1/2	1,377.62	1/2	1,124.08	1/2	870.54	1/2	617.00	1/2	363.46	1/2	110.30	1/2		1/2		1/2	
3/4	1,625.88	3/4	1,372.34	3/4	1,118.80	3/4	865.26	3/4	611.72	3/4	358.18	3/4	105.06	3/4		3/4		3/4	
10	1,620.60	10	1,367.06	10	1,113.52	10	859.98	10	606.44	10	352.89	10	99.82	10		10		10	
1/4	1,615.32	1/4	1,361.78	1/4	1,108.24	1/4	854.69	1/4	601.15	1/4	347.61	1/4	94.58	1/4		1/4		1/4	
1/2	1,610.03	1/2	1,356.49	1/2	1,102.95	1/2	849.41	1/2	595.87	1/2	342.33	1/2	89.34	1/2		1/2		1/2	
3/4	1,604.75	3/4	1,351.21	3/4	1,097.67	3/4	844.13	3/4	590.59	3/4	337.05	3/4	84.10	3/4		3/4		3/4	
11	1,599.47	11	1,345.93	11	1,092.39	11	838.85	11	585.31	11	331.77	11	78.86	11		11		11	
1/4	1,594.19	1/4	1,340.65	1/4	1,087.11	1/4	833.57	1/4	580.03	1/4	326.48	1/4	73.62	1/4		1/4		1/4	
1/2	1,588.91	1/2	1,335.37	1/2	1,081.82	1/2	828.28	1/2	574.74	1/2	321.20	1/2	68.38	1/2		1/2		1/2	
3/4	1,583.62	3/4	1,330.08	3/4	1,076.54	3/4	823.00	3/4	569.46	3/4	315.92	3/4	63.14	3/4		3/4		3/4	

STRAPPED: 07/31/1992 SI
REPRINTED: 05/03/2002 CL

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ALL PRIOR TO 05/2002

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BARGE "KIRBY 10514"

2 CENTER ULLAGE TABLE

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

FORMERLY "DC 738"

GAUGE HEIGHT 17'-04 3/8"

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	3,598.52	0	3,386.59	0	3,130.72	0	2,874.85	0	2,618.98	0	2,363.11	0	2,107.24	
1/4	1/4	1/4	1/4	1/4	1/4	3,597.76	1/4	3,381.26	1/4	3,125.39	1/4	2,869.52	1/4	2,613.65	1/4	2,357.78	1/4	2,101.91	
1/2	1/2	1/2	1/2	1/2	1/2	3,597.00	1/2	3,375.92	1/2	3,120.06	1/2	2,864.19	1/2	2,608.32	1/2	2,352.45	1/2	2,096.58	
3/4	3/4	3/4	3/4	3/4	3/4	3,595.73	3/4	3,370.59	3/4	3,114.73	3/4	2,858.86	3/4	2,602.99	3/4	2,347.12	3/4	2,091.25	
1	1	1	1	1	1	3,593.95	1	3,365.26	1	3,109.39	1	2,853.53	1	2,597.66	1	2,341.79	1	2,085.92	
1/4	1/4	1/4	1/4	1/4	1/4	3,592.17	1/4	3,359.93	1/4	3,104.06	1/4	2,848.20	1/4	2,592.33	1/4	2,336.46	1/4	2,080.59	
1/2	1/2	1/2	1/2	1/2	1/2	3,590.40	1/2	3,354.60	1/2	3,098.73	1/2	2,842.86	1/2	2,587.00	1/2	2,331.13	1/2	2,075.26	
3/4	3/4	3/4	3/4	3/4	3/4	3,588.11	3/4	3,349.27	3/4	3,093.40	3/4	2,837.53	3/4	2,581.67	3/4	2,325.80	3/4	2,069.93	
2	2	2	2	2	2	3,585.32	2	3,343.94	2	3,088.07	2	2,832.20	2	2,576.33	2	2,320.47	2	2,064.60	
1/4	1/4	1/4	1/4	1/4	1/4	3,582.53	1/4	3,338.61	1/4	3,082.74	1/4	2,826.87	1/4	2,571.00	1/4	2,315.14	1/4	2,059.27	
1/2	1/2	1/2	1/2	1/2	1/2	3,579.74	1/2	3,333.28	1/2	3,077.41	1/2	2,821.54	1/2	2,565.67	1/2	2,309.80	1/2	2,053.94	
3/4	3/4	3/4	3/4	3/4	3/4	3,576.44	3/4	3,327.95	3/4	3,072.08	3/4	2,816.21	3/4	2,560.34	3/4	2,304.47	3/4	2,048.61	
3	3	3	3	3	3	3,572.63	3	3,322.62	3	3,066.75	3	2,810.88	3	2,555.01	3	2,299.14	3	2,043.27	
1/4	1/4	1/4	1/4	1/4	1/4	3,568.82	1/4	3,317.29	1/4	3,061.42	1/4	2,805.55	1/4	2,549.68	1/4	2,293.81	1/4	2,037.94	
1/2	1/2	1/2	1/2	1/2	1/2	3,565.01	1/2	3,311.96	1/2	3,056.09	1/2	2,800.22	1/2	2,544.35	1/2	2,288.48	1/2	2,032.61	
3/4	3/4	3/4	3/4	3/4	3/4	3,560.70	3/4	3,306.63	3/4	3,050.76	3/4	2,794.89	3/4	2,539.02	3/4	2,283.15	3/4	2,027.28	
4	4	4	4	4	4	3,555.88	4	3,301.30	4	3,045.43	4	2,789.56	4	2,533.69	4	2,277.82	4	2,021.95	
1/4	1/4	1/4	1/4	1/4	1/4	3,551.05	1/4	3,295.97	1/4	3,040.10	1/4	2,784.23	1/4	2,528.36	1/4	2,272.49	1/4	2,016.62	
1/2	1/2	1/2	1/2	1/2	1/2	3,546.23	1/2	3,290.64	1/2	3,034.77	1/2	2,778.90	1/2	2,523.03	1/2	2,267.16	1/2	2,011.29	
3/4	3/4	3/4	3/4	3/4	3/4	3,541.17	3/4	3,285.30	3/4	3,029.44	3/4	2,773.57	3/4	2,517.70	3/4	2,261.83	3/4	2,005.96	
5	5	5	5	5	5	3,535.84	5	3,279.97	5	3,024.11	5	2,768.24	5	2,512.37	5	2,256.50	5	2,000.63	
1/4	1/4	1/4	1/4	1/4	1/4	3,530.51	1/4	3,274.64	1/4	3,018.77	1/4	2,762.91	1/4	2,507.04	1/4	2,251.17	1/4	1,995.30	
1/2	1/2	1/2	1/2	1/2	1/2	3,525.18	1/2	3,269.31	1/2	3,013.44	1/2	2,757.58	1/2	2,501.71	1/2	2,245.84	1/2	1,989.97	
3/4	3/4	3/4	3/4	3/4	3/4	3,519.85	3/4	3,263.98	3/4	3,008.11	3/4	2,752.24	3/4	2,496.38	3/4	2,240.51	3/4	1,984.64	
6	6	6	6	6	6	3,514.52	6	3,258.65	6	3,002.78	6	2,746.91	6	2,491.05	6	2,235.18	6	1,979.31	
1/4	1/4	1/4	1/4	1/4	1/4	3,509.19	1/4	3,253.32	1/4	2,997.45	1/4	2,741.58	1/4	2,485.71	1/4	2,229.85	1/4	1,973.98	
1/2	1/2	1/2	1/2	1/2	1/2	3,503.86	1/2	3,247.99	1/2	2,992.12	1/2	2,736.25	1/2	2,480.38	1/2	2,224.52	1/2	1,968.65	
3/4	3/4	3/4	3/4	3/4	3/4	3,498.53	3/4	3,242.66	3/4	2,986.79	3/4	2,730.92	3/4	2,475.05	3/4	2,219.18	3/4	1,963.32	
7	7	7	7	7	7	3,493.20	7	3,237.33	7	2,981.46	7	2,725.59	7	2,469.72	7	2,213.85	7	1,957.99	
1/4	1/4	1/4	1/4	1/4	1/4	3,487.87	1/4	3,232.00	1/4	2,976.13	1/4	2,720.26	1/4	2,464.39	1/4	2,208.52	1/4	1,952.65	
1/2	1/2	1/2	1/2	1/2	1/2	3,482.54	1/2	3,226.67	1/2	2,970.80	1/2	2,714.93	1/2	2,459.06	1/2	2,203.19	1/2	1,947.32	
3/4	3/4	3/4	3/4	3/4	3/4	3,477.21	3/4	3,221.34	3/4	2,965.47	3/4	2,709.60	3/4	2,453.73	3/4	2,197.86	3/4	1,941.99	
8	8	8	8	8	8	3,471.88	8	3,216.01	8	2,960.14	8	2,704.27	8	2,448.40	8	2,192.53	8	1,936.66	
1/4	1/4	1/4	1/4	1/4	1/4	3,466.54	1/4	3,210.68	1/4	2,954.81	1/4	2,698.94	1/4	2,443.07	1/4	2,187.20	1/4	1,931.33	
1/2	1/2	1/2	1/2	1/2	1/2	3,461.21	1/2	3,205.35	1/2	2,949.48	1/2	2,693.61	1/2	2,437.74	1/2	2,181.87	1/2	1,926.00	
3/4	3/4	3/4	3/4	3/4	3/4	3,455.88	3/4	3,200.01	3/4	2,944.15	3/4	2,688.28	3/4	2,432.41	3/4	2,176.54	3/4	1,920.67	
9	9	9	9	9	9	3,450.55	9	3,194.68	9	2,938.82	9	2,682.95	9	2,427.08	9	2,171.21	9	1,915.34	
1/4	1/4	1/4	1/4	1/4	1/4	3,445.22	1/4	3,189.35	1/4	2,933.48	1/4	2,677.62	1/4	2,421.75	1/4	2,165.88	1/4	1,910.01	
1/2	1/2	1/2	1/2	1/2	1/2	3,439.89	1/2	3,184.02	1/2	2,928.15	1/2	2,672.29	1/2	2,416.42	1/2	2,160.55	1/2	1,904.68	
3/4	3/4	3/4	3/4	3/4	3/4	3,434.56	3/4	3,178.69	3/4	2,922.82	3/4	2,666.95	3/4	2,411.09	3/4	2,155.22	3/4	1,899.35	
10	10	10	10	10	10	3,429.23	10	3,173.36	10	2,917.49	10	2,661.62	10	2,405.76	10	2,149.89	10	1,894.02	
1/4	1/4	1/4	1/4	1/4	1/4	3,423.90	1/4	3,168.03	1/4	2,912.16	1/4	2,656.29	1/4	2,400.42	1/4	2,144.56	1/4	1,888.69	
1/2	1/2	1/2	1/2	1/2	1/2	3,418.57	1/2	3,162.70	1/2	2,906.83	1/2	2,650.96	1/2	2,395.09	1/2	2,139.23	1/2	1,883.36	
3/4	3/4	3/4	3/4	3/4	3/4	3,413.24	3/4	3,157.37	3/4	2,901.50	3/4	2,645.63	3/4	2,389.76	3/4	2,133.89	3/4	1,878.03	
11	11	11	11	11	11	3,407.91	11	3,152.04	11	2,896.17	11	2,640.30	11	2,384.43	11	2,128.56	11	1,872.70	
1/4	1/4	1/4	3/8	3,599.79	1/4	3,402.58	1/4	3,146.71	1/4	2,890.84	1/4	2,634.97	1/4	2,379.10	1/4	2,123.23	1/4	1,867.36	
1/2	1/2	1/2	1/2	3,599.73	1/2	3,397.25	1/2	3,141.38	1/2	2,885.51	1/2	2,629.64	1/2	2,373.77	1/2	2,117.90	1/2	1,862.03	
3/4	3/4	3/4	3/4	3,599.28	3/4	3,391.92	3/4	3,136.05	3/4	2,880.18	3/4	2,624.31	3/4	2,368.44	3/4	2,112.57	3/4	1,856.70	

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 21'-02" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "KIRBY 10514"

2 CENTER ULLAGE TABLE

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

FORMERLY "DC 738"

GAUGE HEIGHT 17'-04 3/8"

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	1,851.37	0	1,595.50	0	1,339.64	0	1,083.77	0	827.90	0	572.03	0	316.16	0	61.08	0		0	
1/4	1,846.04	1/4	1,590.17	1/4	1,334.30	1/4	1,078.44	1/4	822.57	1/4	566.70	1/4	310.83	1/4	55.79	1/4		1/4	
1/2	1,840.71	1/2	1,584.84	1/2	1,328.97	1/2	1,073.11	1/2	817.24	1/2	561.37	1/2	305.50	1/2	50.50	1/2		1/2	
3/4	1,835.38	3/4	1,579.51	3/4	1,323.64	3/4	1,067.77	3/4	811.91	3/4	556.04	3/4	300.17	3/4	45.21	3/4		3/4	
1	1,830.05	1	1,574.18	1	1,318.31	1	1,062.44	1	806.58	1	550.71	1	294.84	1	39.93	1		1	
1/4	1,824.72	1/4	1,568.85	1/4	1,312.98	1/4	1,057.11	1/4	801.24	1/4	545.38	1/4	289.51	1/4	34.64	1/4		1/4	
1/2	1,819.39	1/2	1,563.52	1/2	1,307.65	1/2	1,051.78	1/2	795.91	1/2	540.05	1/2	284.18	1/2	29.77	1/2		1/2	
3/4	1,814.06	3/4	1,558.19	3/4	1,302.32	3/4	1,046.45	3/4	790.58	3/4	534.71	3/4	278.85	3/4	25.33	3/4		3/4	
2	1,808.73	2	1,552.86	2	1,296.99	2	1,041.12	2	785.25	2	529.38	2	273.52	2	20.89	2		2	
1/4	1,803.40	1/4	1,547.53	1/4	1,291.66	1/4	1,035.79	1/4	779.92	1/4	524.05	1/4	268.18	1/4	16.45	1/4		1/4	
1/2	1,798.07	1/2	1,542.20	1/2	1,286.33	1/2	1,030.46	1/2	774.59	1/2	518.72	1/2	262.85	1/2	12.89	1/2		1/2	
3/4	1,792.74	3/4	1,536.87	3/4	1,281.00	3/4	1,025.13	3/4	769.26	3/4	513.39	3/4	257.52	3/4	10.23	3/4		3/4	
3	1,787.41	3	1,531.54	3	1,275.67	3	1,019.80	3	763.93	3	508.06	3	252.19	3	7.56	3		3	
1/4	1,782.08	1/4	1,526.21	1/4	1,270.34	1/4	1,014.47	1/4	758.60	1/4	502.73	1/4	246.86	1/4	4.90	1/4		1/4	
1/2	1,776.74	1/2	1,520.88	1/2	1,265.01	1/2	1,009.14	1/2	753.27	1/2	497.40	1/2	241.53	1/2	3.12	1/2		1/2	
3/4	1,771.41	3/4	1,515.55	3/4	1,259.68	3/4	1,003.81	3/4	747.94	3/4	492.07	3/4	236.20	3/4	2.23	3/4		3/4	
4	1,766.08	4	1,510.21	4	1,254.35	4	998.48	4	742.61	4	486.74	4	230.87	4	1.34	4		4	
1/4	1,760.75	1/4	1,504.88	1/4	1,249.02	1/4	993.15	1/4	737.28	1/4	481.41	1/4	225.54	1/4	0.45	1/4		1/4	
1/2	1,755.42	1/2	1,499.55	1/2	1,243.68	1/2	987.82	1/2	731.95	1/2	476.08	1/2	220.21	3/8	0.00	1/2		1/2	
3/4	1,750.09	3/4	1,494.22	3/4	1,238.35	3/4	982.49	3/4	726.62	3/4	470.75	3/4	214.88	3/4		3/4		3/4	
5	1,744.76	5	1,488.89	5	1,233.02	5	977.15	5	721.29	5	465.42	5	209.55	5		5		5	
1/4	1,739.43	1/4	1,483.56	1/4	1,227.69	1/4	971.82	1/4	715.96	1/4	460.09	1/4	204.22	1/4		1/4		1/4	
1/2	1,734.10	1/2	1,478.23	1/2	1,222.36	1/2	966.49	1/2	710.62	1/2	454.76	1/2	198.89	1/2		1/2		1/2	
3/4	1,728.77	3/4	1,472.90	3/4	1,217.03	3/4	961.16	3/4	705.29	3/4	449.43	3/4	193.56	3/4		3/4		3/4	
6	1,723.44	6	1,467.57	6	1,211.70	6	955.83	6	699.96	6	444.09	6	188.23	6		6		6	
1/4	1,718.11	1/4	1,462.24	1/4	1,206.37	1/4	950.50	1/4	694.63	1/4	438.76	1/4	182.90	1/4		1/4		1/4	
1/2	1,712.78	1/2	1,456.91	1/2	1,201.04	1/2	945.17	1/2	689.30	1/2	433.43	1/2	177.56	1/2		1/2		1/2	
3/4	1,707.45	3/4	1,451.58	3/4	1,195.71	3/4	939.84	3/4	683.97	3/4	428.10	3/4	172.23	3/4		3/4		3/4	
7	1,702.12	7	1,446.25	7	1,190.38	7	934.51	7	678.64	7	422.77	7	166.90	7		7		7	
1/4	1,696.79	1/4	1,440.92	1/4	1,185.05	1/4	929.18	1/4	673.31	1/4	417.44	1/4	161.57	1/4		1/4		1/4	
1/2	1,691.46	1/2	1,435.59	1/2	1,179.72	1/2	923.85	1/2	667.98	1/2	412.11	1/2	156.26	1/2		1/2		1/2	
3/4	1,686.12	3/4	1,430.26	3/4	1,174.39	3/4	918.52	3/4	662.65	3/4	406.78	3/4	150.98	3/4		3/4		3/4	
8	1,680.79	8	1,424.93	8	1,169.06	8	913.19	8	657.32	8	401.45	8	145.69	8		8		8	
1/4	1,675.46	1/4	1,419.59	1/4	1,163.73	1/4	907.86	1/4	651.99	1/4	396.12	1/4	140.40	1/4		1/4		1/4	
1/2	1,670.13	1/2	1,414.26	1/2	1,158.40	1/2	902.53	1/2	646.66	1/2	390.79	1/2	135.11	1/2		1/2		1/2	
3/4	1,664.80	3/4	1,408.93	3/4	1,153.06	3/4	897.20	3/4	641.33	3/4	385.46	3/4	129.82	3/4		3/4		3/4	
9	1,659.47	9	1,403.60	9	1,147.73	9	891.87	9	636.00	9	380.13	9	124.54	9		9		9	
1/4	1,654.14	1/4	1,398.27	1/4	1,142.40	1/4	886.53	1/4	630.67	1/4	374.80	1/4	119.25	1/4		1/4		1/4	
1/2	1,648.81	1/2	1,392.94	1/2	1,137.07	1/2	881.20	1/2	625.34	1/2	369.47	1/2	113.96	1/2		1/2		1/2	
3/4	1,643.48	3/4	1,387.61	3/4	1,131.74	3/4	875.87	3/4	620.00	3/4	364.14	3/4	108.67	3/4		3/4		3/4	
10	1,638.15	10	1,382.28	10	1,126.41	10	870.54	10	614.67	10	358.81	10	103.38	10		10		10	
1/4	1,632.82	1/4	1,376.95	1/4	1,121.08	1/4	865.21	1/4	609.34	1/4	353.47	1/4	98.10	1/4		1/4		1/4	
1/2	1,627.49	1/2	1,371.62	1/2	1,115.75	1/2	859.88	1/2	604.01	1/2	348.14	1/2	92.81	1/2		1/2		1/2	
3/4	1,622.16	3/4	1,366.29	3/4	1,110.42	3/4	854.55	3/4	598.68	3/4	342.81	3/4	87.52	3/4		3/4		3/4	
11	1,616.83	11	1,360.96	11	1,105.09	11	849.22	11	593.35	11	337.48	11	82.23	11		11		11	
1/4	1,611.50	1/4	1,355.63	1/4	1,099.76	1/4	843.89	1/4	588.02	1/4	332.15	1/4	76.94	1/4		1/4		1/4	
1/2	1,606.17	1/2	1,350.30	1/2	1,094.43	1/2	838.56	1/2	582.69	1/2	326.82	1/2	71.65	1/2		1/2		1/2	
3/4	1,600.83	3/4	1,344.97	3/4	1,089.10	3/4	833.23	3/4	577.36	3/4	321.49	3/4	66.37	3/4		3/4		3/4	

STRAPPED: 07/31/1992 SI
REPRINTED: 05/03/2002 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2002

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 10514"

3 CENTER ULLAGE TABLE

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

FORMERLY "DC 738"

GAUGE HEIGHT 17'-04 3/8"

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 1/8	11	3,956.50	11	3,742.83	11	3,461.81	11	3,180.79	11	2,899.78	11	2,618.76	11	2,337.75	11	2,056.73	
1/4	1/4	1/4	1/4	3,956.37	1/4	3,736.97	1/4	3,455.96	1/4	3,174.94	1/4	2,893.92	1/4	2,612.91	1/4	2,331.89	1/4	2,050.88	
1/2	1/2	1/2	1/2	3,956.10	1/2	3,731.12	1/2	3,450.10	1/2	3,169.09	1/2	2,888.07	1/2	2,607.05	1/2	2,326.04	1/2	2,045.02	
3/4	3/4	3/4	3/4	3,955.44	3/4	3,725.26	3/4	3,444.25	3/4	3,163.23	3/4	2,882.21	3/4	2,601.20	3/4	2,320.18	3/4	2,039.17	

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 33'-05" 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 10514"

3 CENTER ULLAGE TABLE

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

FORMERLY "DC 738"

GAUGE HEIGHT 17'-04 3/8"

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	2,033.31	0	1,752.30	0	1,471.28	0	1,190.26	0	909.25	0	628.23	0	347.22	0	67.06	0		0	
1/4	2,027.46	1/4	1,746.44	1/4	1,465.43	1/4	1,184.41	1/4	903.39	1/4	622.38	1/4	341.36	1/4	61.26	1/4		1/4	
1/2	2,021.60	1/2	1,740.59	1/2	1,459.57	1/2	1,178.56	1/2	897.54	1/2	616.52	1/2	335.51	1/2	55.45	1/2		1/2	
3/4	2,015.75	3/4	1,734.73	3/4	1,453.72	3/4	1,172.70	3/4	891.68	3/4	610.67	3/4	329.65	3/4	49.64	3/4		3/4	
1	2,009.89	1	1,728.88	1	1,447.86	1	1,166.85	1	885.83	1	604.81	1	323.80	1	43.83	1		1	
1/4	2,004.04	1/4	1,723.02	1/4	1,442.01	1/4	1,160.99	1/4	879.98	1/4	598.96	1/4	317.94	1/4	38.02	1/4		1/4	
1/2	1,998.19	1/2	1,717.17	1/2	1,436.15	1/2	1,155.14	1/2	874.12	1/2	593.11	1/2	312.09	1/2	32.68	1/2		1/2	
3/4	1,992.33	3/4	1,711.31	3/4	1,430.30	3/4	1,149.28	3/4	868.27	3/4	587.25	3/4	306.23	3/4	27.80	3/4		3/4	
2	1,986.48	2	1,705.46	2	1,424.44	2	1,143.43	2	862.41	2	581.40	2	300.38	2	22.92	2		2	
1/4	1,980.62	1/4	1,699.61	1/4	1,418.59	1/4	1,137.57	1/4	856.56	1/4	575.54	1/4	294.53	1/4	18.04	1/4		1/4	
1/2	1,974.77	1/2	1,693.75	1/2	1,412.74	1/2	1,131.72	1/2	850.70	1/2	569.69	1/2	288.67	1/2	14.14	1/2		1/2	
3/4	1,968.91	3/4	1,687.90	3/4	1,406.88	3/4	1,125.86	3/4	844.85	3/4	563.83	3/4	282.82	3/4	11.21	3/4		3/4	
3	1,963.06	3	1,682.04	3	1,401.03	3	1,120.01	3	838.99	3	557.98	3	276.96	3	8.29	3		3	
1/4	1,957.20	1/4	1,676.19	1/4	1,395.17	1/4	1,114.16	1/4	833.14	1/4	552.12	1/4	271.11	1/4	5.36	1/4		1/4	
1/2	1,951.35	1/2	1,670.33	1/2	1,389.32	1/2	1,108.30	1/2	827.29	1/2	546.27	1/2	265.25	1/2	3.41	1/2		1/2	
3/4	1,945.49	3/4	1,664.48	3/4	1,383.46	3/4	1,102.45	3/4	821.43	3/4	540.41	3/4	259.40	3/4	2.43	3/4		3/4	
4	1,939.64	4	1,658.62	4	1,377.61	4	1,096.59	4	815.58	4	534.56	4	253.54	4	1.46	4		4	
1/4	1,933.79	1/4	1,652.77	1/4	1,371.75	1/4	1,090.74	1/4	809.72	1/4	528.71	1/4	247.69	1/4	0.48	1/4		1/4	
1/2	1,927.93	1/2	1,646.92	1/2	1,365.90	1/2	1,084.88	1/2	803.87	1/2	522.85	1/2	241.84	3/8	0.00	1/2		1/2	
3/4	1,922.08	3/4	1,641.06	3/4	1,360.04	3/4	1,079.03	3/4	798.01	3/4	517.00	3/4	235.98	3/4		3/4		3/4	
5	1,916.22	5	1,635.21	5	1,354.19	5	1,073.17	5	792.16	5	511.14	5	230.13	5		5		5	
1/4	1,910.37	1/4	1,629.35	1/4	1,348.34	1/4	1,067.32	1/4	786.30	1/4	505.29	1/4	224.27	1/4		1/4		1/4	
1/2	1,904.51	1/2	1,623.50	1/2	1,342.48	1/2	1,061.47	1/2	780.45	1/2	499.43	1/2	218.42	1/2		1/2		1/2	
3/4	1,898.66	3/4	1,617.64	3/4	1,336.63	3/4	1,055.61	3/4	774.59	3/4	493.58	3/4	212.56	3/4		3/4		3/4	
6	1,892.80	6	1,611.79	6	1,330.77	6	1,049.76	6	768.74	6	487.72	6	206.71	6		6		6	
1/4	1,886.95	1/4	1,605.93	1/4	1,324.92	1/4	1,043.90	1/4	762.89	1/4	481.87	1/4	200.85	1/4		1/4		1/4	
1/2	1,881.10	1/2	1,600.08	1/2	1,319.06	1/2	1,038.05	1/2	757.03	1/2	476.02	1/2	195.00	1/2		1/2		1/2	
3/4	1,875.24	3/4	1,594.22	3/4	1,313.21	3/4	1,032.19	3/4	751.18	3/4	470.16	3/4	189.14	3/4		3/4		3/4	
7	1,869.39	7	1,588.37	7	1,307.35	7	1,026.34	7	745.32	7	464.31	7	183.29	7		7		7	
1/4	1,863.53	1/4	1,582.52	1/4	1,301.50	1/4	1,020.48	1/4	739.47	1/4	458.45	1/4	177.44	1/4		1/4		1/4	
1/2	1,857.68	1/2	1,576.66	1/2	1,295.65	1/2	1,014.63	1/2	733.61	1/2	452.60	1/2	171.60	1/2		1/2		1/2	
3/4	1,851.82	3/4	1,570.81	3/4	1,289.79	3/4	1,008.77	3/4	727.76	3/4	446.74	3/4	165.80	3/4		3/4		3/4	
8	1,845.97	8	1,564.95	8	1,283.94	8	1,002.92	8	721.90	8	440.89	8	159.99	8		8		8	
1/4	1,840.11	1/4	1,559.10	1/4	1,278.08	1/4	997.07	1/4	716.05	1/4	435.03	1/4	154.18	1/4		1/4		1/4	
1/2	1,834.26	1/2	1,553.24	1/2	1,272.23	1/2	991.21	1/2	710.20	1/2	429.18	1/2	148.37	1/2		1/2		1/2	
3/4	1,828.40	3/4	1,547.39	3/4	1,266.37	3/4	985.36	3/4	704.34	3/4	423.32	3/4	142.56	3/4		3/4		3/4	
9	1,822.55	9	1,541.53	9	1,260.52	9	979.50	9	698.49	9	417.47	9	136.76	9		9		9	
1/4	1,816.70	1/4	1,535.68	1/4	1,254.66	1/4	973.65	1/4	692.63	1/4	411.62	1/4	130.95	1/4		1/4		1/4	
1/2	1,810.84	1/2	1,529.83	1/2	1,248.81	1/2	967.79	1/2	686.78	1/2	405.76	1/2	125.14	1/2		1/2		1/2	
3/4	1,804.99	3/4	1,523.97	3/4	1,242.95	3/4	961.94	3/4	680.92	3/4	399.91	3/4	119.33	3/4		3/4		3/4	
10	1,799.13	10	1,518.12	10	1,237.10	10	956.08	10	675.07	10	394.05	10	113.53	10		10		10	
1/4	1,793.28	1/4	1,512.26	1/4	1,231.25	1/4	950.23	1/4	669.21	1/4	388.20	1/4	107.72	1/4		1/4		1/4	
1/2	1,787.42	1/2	1,506.41	1/2	1,225.39	1/2	944.38	1/2	663.36	1/2	382.34	1/2	101.91	1/2		1/2		1/2	
3/4	1,781.57	3/4	1,500.55	3/4	1,219.54	3/4	938.52	3/4	657.50	3/4	376.49	3/4	96.10	3/4		3/4		3/4	
11	1,775.71	11	1,494.70	11	1,213.68	11	932.67	11	651.65	11	370.63	11	90.29	11		11		11	
1/4	1,769.86	1/4	1,488.84	1/4	1,207.83	1/4	926.81	1/4	645.80	1/4	364.78	1/4	84.49	1/4		1/4		1/4	
1/2	1,764.01	1/2	1,482.99	1/2	1,201.97	1/2	920.96	1/2	639.94	1/2	358.93	1/2	78.68	1/2		1/2		1/2	
3/4	1,758.15	3/4	1,477.13	3/4	1,196.12	3/4	915.10	3/4	634.09	3/4	353.07	3/4	72.87	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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ALL PRIOR TO 05/2002

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