



# BARGE "KIRBY 10502"

## ULLAGE TRIM TABLE

### FORMERLY "DC 731"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

LENGTH BETWEEN DRAFT MARKS: 152'-00"

June 2, 2021

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

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 CENTER IS 01-1/4"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-01 1/4"

<http://www.pmacorp.net>



# BARGE "KIRBY 10502"

## 1 CENTER ULLAGE

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

FORMERLY "DC 731"

GAUGE HEIGHT 17'-03 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	3,426.51	0	3,242.77	0	3,021.21	0	2,799.65	0	2,578.08	0	2,338.55	0	2,085.05
1/4		1/4		1/4		1/4	3,425.52	1/4	3,238.15	1/4	3,016.60	1/4	2,795.04	1/4	2,573.46	1/4	2,333.27	1/4	2,079.77
1/2		1/2		1/2		1/2	3,424.54	1/2	3,233.54	1/2	3,011.98	1/2	2,790.42	1/2	2,568.85	1/2	2,327.99	1/2	2,074.49
3/4		3/4		3/4		3/4	3,423.55	3/4	3,228.93	3/4	3,007.36	3/4	2,785.81	3/4	2,564.24	3/4	2,322.71	3/4	2,069.21
1		1		1		1	3,421.78	1	3,224.31	1	3,002.74	1	2,781.19	1	2,559.63	1	2,317.43	1	2,063.93
1/4		1/4		1/4		1/4	3,420.01	1/4	3,219.69	1/4	2,998.13	1/4	2,776.57	1/4	2,555.01	1/4	2,312.16	1/4	2,058.66
1/2		1/2		1/2		1/2	3,418.24	1/2	3,215.07	1/2	2,993.52	1/2	2,771.95	1/2	2,550.40	1/2	2,306.88	1/2	2,053.38
3/4		3/4		3/4		3/4	3,416.48	3/4	3,210.45	3/4	2,988.90	3/4	2,767.33	3/4	2,545.79	3/4	2,301.60	3/4	2,048.10
2		2		2		2	3,413.92	2	3,205.84	2	2,984.29	2	2,762.72	2	2,541.17	2	2,296.32	2	2,042.82
1/4		1/4		1/4		1/4	3,411.37	1/4	3,201.23	1/4	2,979.67	1/4	2,758.11	1/4	2,536.55	1/4	2,291.04	1/4	2,037.54
1/2		1/2		1/2		1/2	3,408.82	1/2	3,196.61	1/2	2,975.05	1/2	2,753.49	1/2	2,531.93	1/2	2,285.76	1/2	2,032.26
3/4		3/4		3/4		3/4	3,406.26	3/4	3,192.00	3/4	2,970.43	3/4	2,748.88	3/4	2,527.31	3/4	2,280.48	3/4	2,026.98
3		3		3		3	3,402.92	3	3,187.39	3	2,965.82	3	2,744.26	3	2,522.70	3	2,275.19	3	2,021.69
1/4		1/4		1/4		1/4	3,399.58	1/4	3,182.77	1/4	2,961.20	1/4	2,739.64	1/4	2,518.08	1/4	2,269.91	1/4	2,016.41
1/2		1/2		1/2		1/2	3,396.24	1/2	3,178.16	1/2	2,956.59	1/2	2,735.02	1/2	2,513.47	1/2	2,264.62	1/2	2,011.12
3/4		3/4		3/4		3/4	3,392.90	3/4	3,173.55	3/4	2,951.98	3/4	2,730.40	3/4	2,508.86	3/4	2,259.33	3/4	2,005.83
4		4		4		4	3,388.80	4	3,168.93	4	2,947.36	4	2,725.79	4	2,504.24	4	2,254.05	4	2,000.55
1/4		1/4		1/4		1/4	3,384.70	1/4	3,164.31	1/4	2,942.74	1/4	2,721.18	1/4	2,499.62	1/4	2,248.77	1/4	1,995.27
1/2		1/2		1/2		1/2	3,380.60	1/2	3,159.69	1/2	2,938.12	1/2	2,716.57	1/2	2,495.00	1/2	2,243.49	1/2	1,989.99
3/4		3/4		3/4		3/4	3,376.50	3/4	3,155.07	3/4	2,933.50	3/4	2,711.95	3/4	2,490.38	3/4	2,238.21	3/4	1,984.71
5		5		5		5	3,371.92	5	3,150.46	5	2,928.89	5	2,707.33	5	2,485.43	5	2,232.93	5	1,979.43
1/4		1/4		1/4		1/4	3,367.33	1/4	3,145.85	1/4	2,924.27	1/4	2,702.71	1/4	2,480.49	1/4	2,227.66	1/4	1,974.16
1/2		1/2		1/2		1/2	3,362.75	1/2	3,141.23	1/2	2,919.66	1/2	2,698.10	1/2	2,475.54	1/2	2,222.38	1/2	1,968.88
3/4		3/4		3/4		3/4	3,358.17	3/4	3,136.62	3/4	2,915.05	3/4	2,693.48	3/4	2,470.60	3/4	2,217.10	3/4	1,963.60
6		6		6		6	3,353.55	6	3,132.00	6	2,910.43	6	2,688.86	6	2,465.32	6	2,211.82	6	1,958.32
1/4		1/4		1/4		1/4	3,348.94	1/4	3,127.38	1/4	2,905.81	1/4	2,684.25	1/4	2,460.04	1/4	2,206.54	1/4	1,953.04
1/2		1/2		1/2		1/2	3,344.33	1/2	3,122.76	1/2	2,901.19	1/2	2,679.64	1/2	2,454.76	1/2	2,201.26	1/2	1,947.76
3/4		3/4		3/4		3/4	3,339.71	3/4	3,118.14	3/4	2,896.57	3/4	2,675.02	3/4	2,449.48	3/4	2,195.98	3/4	1,942.48
7		7		7		7	3,335.10	7	3,113.53	7	2,891.96	7	2,670.40	7	2,444.19	7	2,190.69	7	1,937.20
1/4		1/4		1/4		1/4	3,330.48	1/4	3,108.92	1/4	2,887.35	1/4	2,665.79	1/4	2,438.91	1/4	2,185.41	1/4	1,931.92
1/2		1/2		1/2		1/2	3,325.86	1/2	3,104.30	1/2	2,882.73	1/2	2,661.17	1/2	2,433.62	1/2	2,180.12	1/2	1,926.64
3/4		3/4		3/4		3/4	3,321.24	3/4	3,099.69	3/4	2,878.12	3/4	2,656.55	3/4	2,428.33	3/4	2,174.83	3/4	1,921.36
8		8		8		8	3,316.63	8	3,095.07	8	2,873.51	8	2,651.93	8	2,423.05	8	2,169.55	8	1,916.07
1/4		1/4		1/4		1/4	3,312.01	1/4	3,090.45	1/4	2,868.89	1/4	2,647.32	1/4	2,417.77	1/4	2,164.27	1/4	1,910.79
1/2		1/2		1/2		1/2	3,307.40	1/2	3,085.83	1/2	2,864.28	1/2	2,642.71	1/2	2,412.49	1/2	2,158.99	1/2	1,905.50
3/4		3/4		3/4		3/4	3,302.79	3/4	3,081.21	3/4	2,859.67	3/4	2,638.10	3/4	2,407.21	3/4	2,153.71	3/4	1,900.21
9		9		9		9	3,298.17	9	3,076.60	9	2,855.05	9	2,633.48	9	2,401.93	9	2,148.43	9	1,894.93
1/4		1/4		1/4		1/4	3,293.55	1/4	3,071.99	1/4	2,850.43	1/4	2,628.86	1/4	2,396.66	1/4	2,143.16	1/4	1,889.66
1/2		1/2		1/2		1/2	3,288.93	1/2	3,067.38	1/2	2,845.81	1/2	2,624.24	1/2	2,391.38	1/2	2,137.88	1/2	1,884.38
3/4		3/4		3/4		3/4	3,284.31	3/4	3,062.76	3/4	2,841.19	3/4	2,619.62	3/4	2,386.10	3/4	2,132.60	3/4	1,879.10
10		10		10		10	3,279.70	10	3,058.14	10	2,836.58	10	2,615.01	10	2,380.82	10	2,127.32	10	1,873.82
1/4		1/4		1/4		1/4	3,275.08	1/4	3,053.52	1/4	2,831.96	1/4	2,610.39	1/4	2,375.54	1/4	2,122.04	1/4	1,868.54
1/2		1/2		1/2		1/2	3,270.47	1/2	3,048.90	1/2	2,827.35	1/2	2,605.78	1/2	2,370.26	1/2	2,116.76	1/2	1,863.26
3/4		3/4		3/4		3/4	3,265.86	3/4	3,044.29	3/4	2,822.74	3/4	2,601.17	3/4	2,364.98	3/4	2,111.48	3/4	1,857.98
11		11		11	3,428.57	11	3,261.24	11	3,039.67	11	2,818.12	11	2,596.55	11	2,359.69	11	2,106.19	11	1,852.70
1/4		1/4		1/4	3,428.21	1/4	3,256.62	1/4	3,035.06	1/4	2,813.50	1/4	2,591.93	1/4	2,354.41	1/4	2,100.91	1/4	1,847.42
1/2		1/2		1/2	3,427.86	1/2	3,252.00	1/2	3,030.45	1/2	2,808.88	1/2	2,587.31	1/2	2,349.12	1/2	2,095.62	1/2	1,842.14
3/4		3/4		3/4	3,427.50	3/4	3,247.38	3/4	3,025.83	3/4	2,804.26	3/4	2,582.69	3/4	2,343.83	3/4	2,090.33	3/4	1,836.86

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 ONLY APPLIES TO ULLAGE GAUGES TAKEN FROM "HERMETIC" CLOSED GAUGING SYSTEM.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 18'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 10502"

1 CENTER  
ULLAGE

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

FORMERLY "DC 731"

GAUGE HEIGHT 17'-03 3/4"

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	1,831.57	0	1,578.07	0	1,324.58	0	1,071.08	0	817.58	0	564.08	0	310.58	0	57.88	0		0	
1/4	1,826.29	1/4	1,572.79	1/4	1,319.30	1/4	1,065.80	1/4	812.30	1/4	558.80	1/4	305.30	1/4	52.64	1/4		1/4	
1/2	1,821.00	1/2	1,567.50	1/2	1,314.02	1/2	1,060.52	1/2	807.02	1/2	553.52	1/2	300.02	1/2	47.40	1/2		1/2	
3/4	1,815.71	3/4	1,562.21	3/4	1,308.74	3/4	1,055.24	3/4	801.74	3/4	548.24	3/4	294.74	3/4	42.17	3/4		3/4	
1	1,810.43	1	1,556.93	1	1,303.45	1	1,049.95	1	796.45	1	542.96	1	289.46	1	37.35	1		1	
1/4	1,805.16	1/4	1,551.66	1/4	1,298.17	1/4	1,044.67	1/4	791.17	1/4	537.68	1/4	284.18	1/4	32.52	1/4		1/4	
1/2	1,799.88	1/2	1,546.38	1/2	1,292.88	1/2	1,039.38	1/2	785.88	1/2	532.40	1/2	278.90	1/2	27.70	1/2		1/2	
3/4	1,794.60	3/4	1,541.10	3/4	1,287.59	3/4	1,034.09	3/4	780.59	3/4	527.12	3/4	273.62	3/4	22.88	3/4		3/4	
2	1,789.32	2	1,535.82	2	1,282.32	2	1,028.82	2	775.31	2	521.83	2	268.33	2	19.36	2		2	
1/4	1,784.04	1/4	1,530.54	1/4	1,277.04	1/4	1,023.54	1/4	770.04	1/4	516.55	1/4	263.05	1/4	15.85	1/4		1/4	
1/2	1,778.76	1/2	1,525.26	1/2	1,271.76	1/2	1,018.26	1/2	764.76	1/2	511.26	1/2	257.76	1/2	12.33	1/2		1/2	
3/4	1,773.48	3/4	1,519.98	3/4	1,266.48	3/4	1,012.98	3/4	759.48	3/4	505.98	3/4	252.48	3/4	8.81	3/4		3/4	
3	1,768.20	3	1,514.70	3	1,261.20	3	1,007.70	3	754.20	3	500.70	3	247.20	3	7.05	3		3	
1/4	1,762.92	1/4	1,509.42	1/4	1,255.92	1/4	1,002.42	1/4	748.92	1/4	495.42	1/4	241.92	1/4	5.29	1/4		1/4	
1/2	1,757.64	1/2	1,504.14	1/2	1,250.64	1/2	997.14	1/2	743.64	1/2	490.14	1/2	236.64	1/2	3.52	1/2		1/2	
3/4	1,752.36	3/4	1,498.86	3/4	1,245.36	3/4	991.86	3/4	738.36	3/4	484.86	3/4	231.36	3/4	1.76	3/4		3/4	
4	1,747.07	4	1,493.57	4	1,240.08	4	986.58	4	733.08	4	479.58	4	226.08	4		4		4	
1/4	1,741.79	1/4	1,488.29	1/4	1,234.80	1/4	981.30	1/4	727.80	1/4	474.30	1/4	220.80	1/4		1/4		1/4	
1/2	1,736.50	1/2	1,483.00	1/2	1,229.52	1/2	976.02	1/2	722.52	1/2	469.02	1/2	215.52	1/2		1/2		1/2	
3/4	1,731.21	3/4	1,477.71	3/4	1,224.24	3/4	970.74	3/4	717.24	3/4	463.74	3/4	210.24	3/4		3/4		3/4	
5	1,725.93	5	1,472.43	5	1,218.95	5	965.45	5	711.95	5	458.46	5	204.96	5		5		5	
1/4	1,720.66	1/4	1,467.16	1/4	1,213.67	1/4	960.17	1/4	706.67	1/4	453.18	1/4	199.68	1/4		1/4		1/4	
1/2	1,715.38	1/2	1,461.88	1/2	1,208.38	1/2	954.88	1/2	701.38	1/2	447.90	1/2	194.40	1/2		1/2		1/2	
3/4	1,710.10	3/4	1,456.60	3/4	1,203.09	3/4	949.59	3/4	696.10	3/4	442.62	3/4	189.12	3/4		3/4		3/4	
6	1,704.82	6	1,451.32	6	1,197.82	6	944.32	6	690.82	6	437.33	6	183.83	6		6		6	
1/4	1,699.54	1/4	1,446.04	1/4	1,192.54	1/4	939.04	1/4	685.54	1/4	432.05	1/4	178.55	1/4		1/4		1/4	
1/2	1,694.26	1/2	1,440.76	1/2	1,187.26	1/2	933.76	1/2	680.26	1/2	426.76	1/2	173.26	1/2		1/2		1/2	
3/4	1,688.98	3/4	1,435.48	3/4	1,181.98	3/4	928.48	3/4	674.98	3/4	421.48	3/4	167.98	3/4		3/4		3/4	
7	1,683.70	7	1,430.20	7	1,176.70	7	923.20	7	669.70	7	416.20	7	162.72	7		7		7	
1/4	1,678.42	1/4	1,424.92	1/4	1,171.42	1/4	917.92	1/4	664.42	1/4	410.92	1/4	157.46	1/4		1/4		1/4	
1/2	1,673.14	1/2	1,419.64	1/2	1,166.14	1/2	912.64	1/2	659.14	1/2	405.64	1/2	152.21	1/2		1/2		1/2	
3/4	1,667.86	3/4	1,414.36	3/4	1,160.86	3/4	907.36	3/4	653.86	3/4	400.36	3/4	146.95	3/4		3/4		3/4	
8	1,662.57	8	1,409.07	8	1,155.58	8	902.08	8	648.58	8	395.08	8	141.71	8		8		8	
1/4	1,657.29	1/4	1,403.79	1/4	1,150.30	1/4	896.80	1/4	643.30	1/4	389.80	1/4	136.48	1/4		1/4		1/4	
1/2	1,652.00	1/2	1,398.50	1/2	1,145.02	1/2	891.52	1/2	638.02	1/2	384.52	1/2	131.24	1/2		1/2		1/2	
3/4	1,646.71	3/4	1,393.21	3/4	1,139.74	3/4	886.24	3/4	632.74	3/4	379.24	3/4	126.00	3/4		3/4		3/4	
9	1,641.43	9	1,387.93	9	1,134.45	9	880.95	9	627.46	9	373.96	9	120.76	9		9		9	
1/4	1,636.16	1/4	1,382.65	1/4	1,129.17	1/4	875.67	1/4	622.18	1/4	368.68	1/4	115.51	1/4		1/4		1/4	
1/2	1,630.88	1/2	1,377.37	1/2	1,123.88	1/2	870.38	1/2	616.90	1/2	363.40	1/2	110.27	1/2		1/2		1/2	
3/4	1,625.60	3/4	1,372.09	3/4	1,118.59	3/4	865.09	3/4	611.62	3/4	358.12	3/4	105.02	3/4		3/4		3/4	
10	1,620.32	10	1,366.82	10	1,113.32	10	859.81	10	606.33	10	352.83	10	99.79	10		10		10	
1/4	1,615.04	1/4	1,361.54	1/4	1,108.04	1/4	854.54	1/4	601.05	1/4	347.55	1/4	94.55	1/4		1/4		1/4	
1/2	1,609.76	1/2	1,356.26	1/2	1,102.76	1/2	849.26	1/2	595.76	1/2	342.26	1/2	89.31	1/2		1/2		1/2	
3/4	1,604.48	3/4	1,350.98	3/4	1,097.48	3/4	843.98	3/4	590.48	3/4	336.98	3/4	84.07	3/4		3/4		3/4	
11	1,599.20	11	1,345.70	11	1,092.20	11	838.70	11	585.20	11	331.70	11	78.83	11		11		11	
1/4	1,593.92	1/4	1,340.42	1/4	1,086.92	1/4	833.42	1/4	579.92	1/4	326.42	1/4	73.60	1/4		1/4		1/4	
1/2	1,588.64	1/2	1,335.14	1/2	1,081.64	1/2	828.14	1/2	574.64	1/2	321.14	1/2	68.36	1/2		1/2		1/2	
3/4	1,583.36	3/4	1,329.86	3/4	1,076.36	3/4	822.86	3/4	569.36	3/4	315.86	3/4	63.12	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/05/1991 SI  
DECK MEASUREMENTS: 06/02/2021 PMA  
REPRINTED: 06/02/2021 PMA

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2021

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





# BARGE "KIRBY 10502"

## 2 CENTER ULLAGE

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

FORMERLY "DC 731"

GAUGE HEIGHT 17'-03 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	3,592.79	0	3,375.58	0	3,119.74	0	2,863.89	0	2,608.05	0	2,352.20	0	2,096.37
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,591.56	1/4	3,370.26	1/4	3,114.40	1/4	2,858.57	1/4	2,602.71	1/4	2,346.88	1/4	2,091.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,590.33	1/2	3,364.93	1/2	3,109.07	1/2	2,853.24	1/2	2,597.38	1/2	2,341.55	1/2	2,085.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,588.23	3/4	3,359.60	3/4	3,103.74	3/4	2,847.90	3/4	2,592.05	3/4	2,336.22	3/4	2,080.38
1		1		1		1	3,586.12	1	3,354.26	1	3,098.42	1	2,842.57	1	2,586.73	1	2,330.89	1	2,075.05
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,584.01	1/4	3,348.93	1/4	3,093.09	1/4	2,837.24	1/4	2,581.40	1/4	2,325.57	1/4	2,069.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,581.90	1/2	3,343.60	1/2	3,087.76	1/2	2,831.90	1/2	2,576.07	1/2	2,320.24	1/2	2,064.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,578.90	3/4	3,338.27	3/4	3,082.43	3/4	2,826.58	3/4	2,570.74	3/4	2,314.90	3/4	2,059.05
2		2		2		2	3,575.90	2	3,332.94	2	3,077.10	2	2,821.25	2	2,565.42	2	2,309.57	2	2,053.73
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,572.90	1/4	3,327.61	1/4	3,071.76	1/4	2,815.92	1/4	2,560.09	1/4	2,304.24	1/4	2,048.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,569.90	1/2	3,322.29	1/2	3,066.43	1/2	2,810.60	1/2	2,554.76	1/2	2,298.90	1/2	2,043.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,566.02	3/4	3,316.95	3/4	3,061.10	3/4	2,805.27	3/4	2,549.43	3/4	2,293.58	3/4	2,037.74
3		3		3		3	3,562.13	3	3,311.62	3	3,055.77	3	2,799.94	3	2,544.10	3	2,288.25	3	2,032.40
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,558.24	1/4	3,306.29	1/4	3,050.45	1/4	2,794.61	1/4	2,538.76	1/4	2,282.92	1/4	2,027.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,554.36	1/2	3,300.95	1/2	3,045.12	1/2	2,789.29	1/2	2,533.43	1/2	2,277.60	1/2	2,021.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,549.58	3/4	3,295.63	3/4	3,039.79	3/4	2,783.95	3/4	2,528.10	3/4	2,272.26	3/4	2,016.41
4		4		4		4	3,544.81	4	3,290.30	4	3,034.46	4	2,778.62	4	2,522.77	4	2,266.93	4	2,011.08
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,540.04	1/4	3,284.97	1/4	3,029.14	1/4	2,773.29	1/4	2,517.45	1/4	2,261.60	1/4	2,005.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,535.26	1/2	3,279.64	1/2	3,023.81	1/2	2,767.95	1/2	2,512.12	1/2	2,256.26	1/2	2,000.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,529.99	3/4	3,274.32	3/4	3,018.48	3/4	2,762.63	3/4	2,506.79	3/4	2,250.93	3/4	1,995.10
5		5		5		5	3,524.71	5	3,268.99	5	3,013.14	5	2,757.30	5	2,501.45	5	2,245.61	5	1,989.76
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,519.44	1/4	3,263.66	1/4	3,007.81	1/4	2,751.97	1/4	2,496.12	1/4	2,240.28	1/4	1,984.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,514.17	1/2	3,258.33	1/2	3,002.48	1/2	2,746.64	1/2	2,490.79	1/2	2,234.95	1/2	1,979.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,508.83	3/4	3,253.00	3/4	2,997.15	3/4	2,741.31	3/4	2,485.46	3/4	2,229.62	3/4	1,973.77
6		6		6		6	3,503.50	6	3,247.67	6	2,991.82	6	2,735.98	6	2,480.13	6	2,224.29	6	1,968.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,498.17	1/4	3,242.33	1/4	2,986.49	1/4	2,730.64	1/4	2,474.80	1/4	2,218.95	1/4	1,963.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,492.83	1/2	3,237.00	1/2	2,981.17	1/2	2,725.31	1/2	2,469.48	1/2	2,213.62	1/2	1,957.79
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,487.51	3/4	3,231.67	3/4	2,975.83	3/4	2,719.98	3/4	2,464.14	3/4	2,208.29	3/4	1,952.45
7		7		7		7	3,482.18	7	3,226.35	7	2,970.50	7	2,714.65	7	2,458.81	7	2,202.96	7	1,947.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,476.85	1/4	3,221.02	1/4	2,965.17	1/4	2,709.33	1/4	2,453.48	1/4	2,197.64	1/4	1,941.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,471.52	1/2	3,215.69	1/2	2,959.83	1/2	2,704.00	1/2	2,448.14	1/2	2,192.31	1/2	1,936.45
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,466.20	3/4	3,210.36	3/4	2,954.51	3/4	2,698.67	3/4	2,442.82	3/4	2,186.98	3/4	1,931.13
8		8		8		8	3,460.87	8	3,205.02	8	2,949.18	8	2,693.33	8	2,437.49	8	2,181.64	8	1,925.80
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,455.54	1/4	3,199.69	1/4	2,943.85	1/4	2,688.00	1/4	2,432.16	1/4	2,176.31	1/4	1,920.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,450.21	1/2	3,194.36	1/2	2,938.52	1/2	2,682.67	1/2	2,426.83	1/2	2,170.98	1/2	1,915.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,444.88	3/4	3,189.03	3/4	2,933.19	3/4	2,677.34	3/4	2,421.50	3/4	2,165.65	3/4	1,909.82
9		9		9		9	3,439.55	9	3,183.70	9	2,927.86	9	2,672.01	9	2,416.17	9	2,160.32	9	1,904.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,434.21	1/4	3,178.38	1/4	2,922.52	1/4	2,666.68	1/4	2,410.83	1/4	2,154.99	1/4	1,899.16
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,428.88	1/2	3,173.05	1/2	2,917.19	1/2	2,661.36	1/2	2,405.50	1/2	2,149.67	1/2	1,893.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,423.55	3/4	3,167.71	3/4	2,911.86	3/4	2,656.02	3/4	2,400.17	3/4	2,144.34	3/4	1,888.50
10		10		10		10	3,418.23	10	3,162.38	10	2,906.54	10	2,650.69	10	2,394.85	10	2,139.01	10	1,883.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,412.90	1/4	3,157.05	1/4	2,901.21	1/4	2,645.36	1/4	2,389.52	1/4	2,133.68	1/4	1,877.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,407.57	1/2	3,151.71	1/2	2,895.88	1/2	2,640.02	1/2	2,384.19	1/2	2,128.36	1/2	1,872.50
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,596.56	3/4	3,402.24	3/4	3,146.39	3/4	2,890.55	3/4	2,634.70	3/4	2,378.86	3/4	2,123.02
11		11		11		11	3,396.90	11	3,141.06	11	2,885.21	11	2,629.37	11	2,373.52	11	2,117.69	11	1,861.85
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,595.68	1/4	3,391.57	1/4	3,135.73	1/4	2,879.88	1/4	2,624.04	1/4	2,368.19	1/4	2,112.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,595.24	1/2	3,386.24	1/2	3,130.40	1/2	2,874.55	1/2	2,618.71	1/2	2,362.86	1/2	2,107.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,594.01	3/4	3,380.91	3/4	3,125.07	3/4	2,869.22	3/4	2,613.38	3/4	2,357.53	3/4	2,101.70

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 ONLY APPLIES TO ULLAGE GAUGES TAKEN FROM "HERMETIC" CLOSED GAUGING SYSTEM.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 20'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "KIRBY 10502"

## 2 CENTER ULLAGE

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

FORMERLY "DC 731"

GAUGE HEIGHT 17'-03 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	1,840.52	0	1,584.68	0	1,328.83	0	1,072.99	0	817.14	0	561.30	0	305.46	0	50.49	0		0	
1/4	1,835.19	1/4	1,579.35	1/4	1,323.50	1/4	1,067.66	1/4	811.81	1/4	555.97	1/4	300.14	1/4	45.20	1/4		1/4	
1/2	1,829.86	1/2	1,574.02	1/2	1,318.17	1/2	1,062.33	1/2	806.48	1/2	550.64	1/2	294.81	1/2	39.90	1/2		1/2	
3/4	1,824.53	3/4	1,568.69	3/4	1,312.84	3/4	1,057.00	3/4	801.15	3/4	545.32	3/4	289.48	3/4	35.15	3/4		3/4	
1	1,819.20	1	1,563.36	1	1,307.51	1	1,051.67	1	795.82	1	539.99	1	284.14	1	30.39	1		1	
1/4	1,813.88	1/4	1,558.02	1/4	1,302.18	1/4	1,046.33	1/4	790.49	1/4	534.66	1/4	278.81	1/4	25.64	1/4		1/4	
1/2	1,808.55	1/2	1,552.69	1/2	1,296.86	1/2	1,041.00	1/2	785.17	1/2	529.33	1/2	273.48	1/2	20.88	1/2		1/2	
3/4	1,803.21	3/4	1,547.36	3/4	1,291.52	3/4	1,035.67	3/4	779.84	3/4	524.00	3/4	268.15	3/4	17.55	3/4		3/4	
2	1,797.88	2	1,542.04	2	1,286.19	2	1,030.35	2	774.51	2	518.67	2	262.82	2	14.21	2		2	
1/4	1,792.55	1/4	1,536.71	1/4	1,280.86	1/4	1,025.02	1/4	769.18	1/4	513.33	1/4	257.49	1/4	10.88	1/4		1/4	
1/2	1,787.21	1/2	1,531.38	1/2	1,275.52	1/2	1,019.69	1/2	763.86	1/2	508.00	1/2	252.17	1/2	7.55	1/2		1/2	
3/4	1,781.89	3/4	1,526.05	3/4	1,270.20	3/4	1,014.36	3/4	758.52	3/4	502.67	3/4	246.83	3/4	5.99	3/4		3/4	
3	1,776.56	3	1,520.71	3	1,264.87	3	1,009.04	3	753.19	3	497.35	3	241.50	3	4.44	3		3	
1/4	1,771.23	1/4	1,515.38	1/4	1,259.54	1/4	1,003.71	1/4	747.86	1/4	492.02	1/4	236.17	1/4	2.89	1/4		1/4	
1/2	1,765.90	1/2	1,510.05	1/2	1,254.21	1/2	998.38	1/2	742.52	1/2	486.69	1/2	230.83	1/2	1.33	1/2		1/2	
3/4	1,760.57	3/4	1,504.72	3/4	1,248.88	3/4	993.05	3/4	737.20	3/4	481.36	3/4	225.51	3/4		3/4		3/4	
4	1,755.24	4	1,499.39	4	1,243.55	4	987.71	4	731.87	4	476.02	4	220.18	4	4	4		4	
1/4	1,749.90	1/4	1,494.07	1/4	1,238.21	1/4	982.38	1/4	726.54	1/4	470.69	1/4	214.85	1/4		1/4		1/4	
1/2	1,744.57	1/2	1,488.74	1/2	1,232.88	1/2	977.05	1/2	721.21	1/2	465.36	1/2	209.52	1/2		1/2		1/2	
3/4	1,739.24	3/4	1,483.40	3/4	1,227.55	3/4	971.72	3/4	715.88	3/4	460.03	3/4	204.19	3/4		3/4		3/4	
5	1,733.92	5	1,478.07	5	1,222.23	5	966.39	5	710.55	5	454.70	5	198.86	5	5	5		5	
1/4	1,728.59	1/4	1,472.74	1/4	1,216.90	1/4	961.07	1/4	705.21	1/4	449.38	1/4	193.52	1/4		1/4		1/4	
1/2	1,723.26	1/2	1,467.40	1/2	1,211.57	1/2	955.74	1/2	699.88	1/2	444.05	1/2	188.19	1/2		1/2		1/2	
3/4	1,717.93	3/4	1,462.08	3/4	1,206.24	3/4	950.40	3/4	694.55	3/4	438.71	3/4	182.86	3/4		3/4		3/4	
6	1,712.60	6	1,456.75	6	1,200.92	6	945.07	6	689.23	6	433.38	6	177.54	6	6	6		6	
1/4	1,707.26	1/4	1,451.42	1/4	1,195.59	1/4	939.74	1/4	683.90	1/4	428.05	1/4	172.21	1/4		1/4		1/4	
1/2	1,701.93	1/2	1,446.10	1/2	1,190.26	1/2	934.40	1/2	678.57	1/2	422.71	1/2	166.88	1/2		1/2		1/2	
3/4	1,696.60	3/4	1,440.77	3/4	1,184.93	3/4	929.08	3/4	673.24	3/4	417.39	3/4	161.58	3/4		3/4		3/4	
7	1,691.27	7	1,435.44	7	1,179.60	7	923.75	7	667.90	7	412.06	7	156.27	7	7	7		7	
1/4	1,685.95	1/4	1,430.11	1/4	1,174.26	1/4	918.42	1/4	662.57	1/4	406.73	1/4	150.97	1/4		1/4		1/4	
1/2	1,680.62	1/2	1,424.79	1/2	1,168.93	1/2	913.10	1/2	657.24	1/2	401.40	1/2	145.67	1/2		1/2		1/2	
3/4	1,675.29	3/4	1,419.45	3/4	1,163.60	3/4	907.76	3/4	651.91	3/4	396.07	3/4	140.38	3/4		3/4		3/4	
8	1,669.96	8	1,414.12	8	1,158.27	8	902.43	8	646.58	8	390.74	8	135.10	8	8	8		8	
1/4	1,664.64	1/4	1,408.79	1/4	1,152.95	1/4	897.10	1/4	641.26	1/4	385.40	1/4	129.81	1/4		1/4		1/4	
1/2	1,659.31	1/2	1,403.45	1/2	1,147.62	1/2	891.76	1/2	635.93	1/2	380.07	1/2	124.52	1/2		1/2		1/2	
3/4	1,653.98	3/4	1,398.13	3/4	1,142.29	3/4	886.43	3/4	630.60	3/4	374.74	3/4	119.23	3/4		3/4		3/4	
9	1,648.64	9	1,392.80	9	1,136.95	9	881.11	9	625.26	9	369.42	9	113.94	9	9	9		9	
1/4	1,643.31	1/4	1,387.47	1/4	1,131.62	1/4	875.78	1/4	619.93	1/4	364.09	1/4	108.65	1/4		1/4		1/4	
1/2	1,637.98	1/2	1,382.14	1/2	1,126.29	1/2	870.45	1/2	614.60	1/2	358.76	1/2	103.36	1/2		1/2		1/2	
3/4	1,632.65	3/4	1,376.81	3/4	1,120.96	3/4	865.12	3/4	609.27	3/4	353.43	3/4	98.07	3/4		3/4		3/4	
10	1,627.32	10	1,371.48	10	1,115.63	10	859.79	10	603.94	10	348.10	10	92.79	10	10	10		10	
1/4	1,621.99	1/4	1,366.14	1/4	1,110.30	1/4	854.45	1/4	598.61	1/4	342.76	1/4	87.50	1/4		1/4		1/4	
1/2	1,616.67	1/2	1,360.81	1/2	1,104.98	1/2	849.12	1/2	593.29	1/2	337.43	1/2	82.21	1/2		1/2		1/2	
3/4	1,611.33	3/4	1,355.48	3/4	1,099.64	3/4	843.79	3/4	587.95	3/4	332.10	3/4	76.93	3/4		3/4		3/4	
11	1,606.00	11	1,350.15	11	1,094.31	11	838.46	11	582.62	11	326.77	11	71.64	11	11	11		11	
1/4	1,600.67	1/4	1,344.83	1/4	1,088.98	1/4	833.14	1/4	577.29	1/4	321.45	1/4	66.36	1/4		1/4		1/4	
1/2	1,595.33	1/2	1,339.50	1/2	1,083.64	1/2	827.81	1/2	571.95	1/2	316.12	1/2	61.07	1/2		1/2		1/2	
3/4	1,590.01	3/4	1,334.17	3/4	1,078.32	3/4	822.48	3/4	566.63	3/4	310.79	3/4	55.78	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/05/1991 SI  
DECK MEASUREMENTS: 06/02/2021 PMA  
REPRINTED: 06/02/2021 PMA

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2021

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



# BARGE "KIRBY 10502"

## 3 CENTER ULLAGE

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

FORMERLY "DC 731"

GAUGE HEIGHT 17'-03 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	3,943.39	0	3,705.42	0	3,424.58	0	3,143.73	0	2,862.89	0	2,582.06	0	2,301.20
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,942.22	1/4	3,699.57	1/4	3,418.73	1/4	3,137.88	1/4	2,857.04	1/4	2,576.21	1/4	2,295.35
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,941.05	1/2	3,693.71	1/2	3,412.88	1/2	3,132.02	1/2	2,851.19	1/2	2,570.36	1/2	2,289.50
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,938.84	3/4	3,687.86	3/4	3,407.03	3/4	3,126.17	3/4	2,845.34	3/4	2,564.51	3/4	2,283.65
1		1		1		1	3,936.63	1	3,682.01	1	3,401.18	1	3,120.32	1	2,839.49	1	2,558.66	1	2,277.80
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,934.42	1/4	3,676.16	1/4	3,395.33	1/4	3,114.47	1/4	2,833.64	1/4	2,552.80	1/4	2,271.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,932.21	1/2	3,670.31	1/2	3,389.48	1/2	3,108.62	1/2	2,827.79	1/2	2,546.95	1/2	2,266.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,928.96	3/4	3,664.46	3/4	3,383.63	3/4	3,102.77	3/4	2,821.93	3/4	2,541.10	3/4	2,260.24
2		2		2		2	3,925.71	2	3,658.61	2	3,377.77	2	3,096.92	2	2,816.08	2	2,535.25	2	2,254.39
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,922.46	1/4	3,652.76	1/4	3,371.92	1/4	3,091.07	1/4	2,810.23	1/4	2,529.40	1/4	2,248.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,919.21	1/2	3,646.90	1/2	3,366.07	1/2	3,085.21	1/2	2,804.38	1/2	2,523.55	1/2	2,242.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,914.92	3/4	3,641.05	3/4	3,360.22	3/4	3,079.37	3/4	2,798.53	3/4	2,517.70	3/4	2,236.84
3		3		3		3	3,910.63	3	3,635.20	3	3,354.37	3	3,073.52	3	2,792.68	3	2,511.85	3	2,230.99
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,906.34	1/4	3,629.35	1/4	3,348.52	1/4	3,067.68	1/4	2,786.83	1/4	2,505.99	1/4	2,225.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,902.05	1/2	3,623.50	1/2	3,342.67	1/2	3,061.83	1/2	2,780.98	1/2	2,500.14	1/2	2,219.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,896.77	3/4	3,617.65	3/4	3,336.82	3/4	3,055.98	3/4	2,775.13	3/4	2,494.29	3/4	2,213.43
4		4		4		4	3,891.49	4	3,611.80	4	3,330.96	4	3,050.13	4	2,769.27	4	2,488.44	4	2,207.58
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,886.21	1/4	3,605.95	1/4	3,325.11	1/4	3,044.28	1/4	2,763.42	1/4	2,482.59	1/4	2,201.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,880.93	1/2	3,600.10	1/2	3,319.26	1/2	3,038.43	1/2	2,757.57	1/2	2,476.74	1/2	2,195.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,875.08	3/4	3,594.24	3/4	3,313.41	3/4	3,032.58	3/4	2,751.72	3/4	2,470.89	3/4	2,190.03
5		5		5		5	3,869.24	5	3,588.39	5	3,307.56	5	3,026.73	5	2,745.87	5	2,465.04	5	2,184.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,863.39	1/4	3,582.54	1/4	3,301.71	1/4	3,020.88	1/4	2,740.02	1/4	2,459.19	1/4	2,178.33
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,857.55	1/2	3,576.69	1/2	3,295.86	1/2	3,015.02	1/2	2,734.17	1/2	2,453.33	1/2	2,172.48
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,851.70	3/4	3,570.84	3/4	3,290.01	3/4	3,009.17	3/4	2,728.32	3/4	2,447.48	3/4	2,166.63
6		6		6		6	3,845.85	6	3,564.99	6	3,284.16	6	3,003.32	6	2,722.46	6	2,441.63	6	2,160.77
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,839.99	1/4	3,559.14	1/4	3,278.30	1/4	2,997.47	1/4	2,716.61	1/4	2,435.78	1/4	2,154.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,834.14	1/2	3,553.29	1/2	3,272.45	1/2	2,991.62	1/2	2,710.76	1/2	2,429.93	1/2	2,149.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,828.29	3/4	3,547.43	3/4	3,266.60	3/4	2,985.77	3/4	2,704.91	3/4	2,424.08	3/4	2,143.23
7		7		7		7	3,822.44	7	3,541.58	7	3,260.75	7	2,979.92	7	2,699.06	7	2,418.23	7	2,137.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,816.59	1/4	3,535.73	1/4	3,254.90	1/4	2,974.07	1/4	2,693.21	1/4	2,412.38	1/4	2,131.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,810.74	1/2	3,529.88	1/2	3,249.05	1/2	2,968.21	1/2	2,687.36	1/2	2,406.52	1/2	2,125.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,804.89	3/4	3,524.04	3/4	3,243.20	3/4	2,962.36	3/4	2,681.51	3/4	2,400.67	3/4	2,119.84
8		8		8		8	3,799.04	8	3,518.19	8	3,237.35	8	2,956.51	8	2,675.65	8	2,394.82	8	2,113.99
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,793.18	1/4	3,512.35	1/4	3,231.49	1/4	2,950.66	1/4	2,669.80	1/4	2,388.97	1/4	2,108.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,787.33	1/2	3,506.50	1/2	3,225.64	1/2	2,944.81	1/2	2,663.95	1/2	2,383.12	1/2	2,102.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,781.48	3/4	3,500.65	3/4	3,219.79	3/4	2,938.96	3/4	2,658.10	3/4	2,377.27	3/4	2,096.44
9		9		9		9	3,775.63	9	3,494.80	9	3,213.94	9	2,933.11	9	2,652.25	9	2,371.42	9	2,090.58
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,769.78	1/4	3,488.95	1/4	3,208.09	1/4	2,927.26	1/4	2,646.40	1/4	2,365.57	1/4	2,084.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,763.93	1/2	3,483.10	1/2	3,202.24	1/2	2,921.41	1/2	2,640.55	1/2	2,359.71	1/2	2,078.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,758.08	3/4	3,477.24	3/4	3,196.39	3/4	2,915.55	3/4	2,634.70	3/4	2,353.86	3/4	2,073.03
10		10		10		10	3,752.23	10	3,471.39	10	3,190.54	10	2,909.70	10	2,628.85	10	2,348.01	10	2,067.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,746.38	1/4	3,465.54	1/4	3,184.68	1/4	2,903.85	1/4	2,622.99	1/4	2,342.16	1/4	2,061.33
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,740.52	1/2	3,459.69	1/2	3,178.83	1/2	2,898.00	1/2	2,617.14	1/2	2,336.31	1/2	2,055.48
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,734.67	3/4	3,453.84	3/4	3,172.98	3/4	2,892.15	3/4	2,611.30	3/4	2,330.46	3/4	2,049.63
11		11		11	3,946.58	11	3,728.82	11	3,447.99	11	3,167.13	11	2,886.30	11	2,605.45	11	2,324.61	11	2,043.77
1/4	1/4	1/4	1/4	1/4	3,946.16	1/4	3,722.97	1/4	3,442.14	1/4	3,161.28	1/4	2,880.45	1/4	2,599.61	1/4	2,318.76	1/4	2,037.92
1/2	1/2	1/2	1/2	1/2	3,945.74	1/2	3,717.12	1/2	3,436.29	1/2	3,155.43	1/2	2,874.60	1/2	2,593.76	1/2	2,312.91	1/2	2,032.07
3/4	3/4	3/4	3/4	3/4	3,944.57	3/4	3,711.27	3/4	3,430.44	3/4	3,149.58	3/4	2,868.74	3/4	2,587.91	3/4	2,307.05	3/4	2,026.22

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 ONLY APPLIES TO ULLAGE GAUGES TAKEN FROM "HERMETIC" CLOSED GAUGING SYSTEM.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 26'-00" FORWARD OF AFT BULKHEAD.

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



# BARGE "KIRBY 10502"

## 3 CENTER ULLAGE

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

FORMERLY "DC 731"

GAUGE HEIGHT 17'-03 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	2,020.37	0	1,739.51	0	1,458.68	0	1,177.85	0	896.99	0	616.16	0	335.30	0	55.42	0		0	
1/4	2,014.52	1/4	1,733.66	1/4	1,452.83	1/4	1,171.99	1/4	891.14	1/4	610.30	1/4	329.45	1/4	49.61	1/4		1/4	
1/2	2,008.67	1/2	1,727.81	1/2	1,446.98	1/2	1,166.14	1/2	885.29	1/2	604.45	1/2	323.60	1/2	43.81	1/2		1/2	
3/4	2,002.82	3/4	1,721.96	3/4	1,441.13	3/4	1,160.29	3/4	879.43	3/4	598.60	3/4	317.74	3/4	38.58	3/4		3/4	
1	1,996.96	1	1,716.11	1	1,435.27	1	1,154.44	1	873.58	1	592.75	1	311.89	1	33.36	1		1	
1/4	1,991.11	1/4	1,710.26	1/4	1,429.42	1/4	1,148.59	1/4	867.73	1/4	586.90	1/4	306.04	1/4	28.13	1/4		1/4	
1/2	1,985.26	1/2	1,704.40	1/2	1,423.57	1/2	1,142.74	1/2	861.88	1/2	581.05	1/2	300.19	1/2	22.90	1/2		1/2	
3/4	1,979.41	3/4	1,698.55	3/4	1,417.72	3/4	1,136.89	3/4	856.03	3/4	575.20	3/4	294.35	3/4	19.25	3/4		3/4	
2	1,973.56	2	1,692.70	2	1,411.87	2	1,131.04	2	850.18	2	569.35	2	288.50	2	15.60	2		2	
1/4	1,967.71	1/4	1,686.85	1/4	1,406.02	1/4	1,125.19	1/4	844.33	1/4	563.49	1/4	282.65	1/4	11.94	1/4		1/4	
1/2	1,961.86	1/2	1,681.00	1/2	1,400.17	1/2	1,119.33	1/2	838.48	1/2	557.64	1/2	276.81	1/2	8.29	1/2		1/2	
3/4	1,956.01	3/4	1,675.15	3/4	1,394.32	3/4	1,113.48	3/4	832.63	3/4	551.79	3/4	270.96	3/4	6.58	3/4		3/4	
3	1,950.16	3	1,669.31	3	1,388.46	3	1,107.63	3	826.77	3	545.94	3	265.11	3	4.87	3		3	
1/4	1,944.30	1/4	1,663.46	1/4	1,382.61	1/4	1,101.78	1/4	820.92	1/4	540.09	1/4	259.26	1/4	3.16	1/4		1/4	
1/2	1,938.45	1/2	1,657.62	1/2	1,376.76	1/2	1,095.93	1/2	815.07	1/2	534.24	1/2	253.40	1/2	1.45	1/2		1/2	
3/4	1,932.60	3/4	1,651.77	3/4	1,370.91	3/4	1,090.08	3/4	809.22	3/4	528.39	3/4	247.55	3/4		3/4		3/4	
4	1,926.75	4	1,645.92	4	1,365.06	4	1,084.23	4	803.37	4	522.54	4	241.70	4		4		4	
1/4	1,920.90	1/4	1,640.07	1/4	1,359.21	1/4	1,078.38	1/4	797.52	1/4	516.68	1/4	235.85	1/4		1/4		1/4	
1/2	1,915.05	1/2	1,634.21	1/2	1,353.36	1/2	1,072.52	1/2	791.67	1/2	510.83	1/2	230.00	1/2		1/2		1/2	
3/4	1,909.20	3/4	1,628.36	3/4	1,347.51	3/4	1,066.67	3/4	785.82	3/4	504.98	3/4	224.15	3/4		3/4		3/4	
5	1,903.35	5	1,622.51	5	1,341.65	5	1,060.82	5	779.96	5	499.13	5	218.30	5		5		5	
1/4	1,897.49	1/4	1,616.66	1/4	1,335.80	1/4	1,054.97	1/4	774.11	1/4	493.28	1/4	212.45	1/4		1/4		1/4	
1/2	1,891.64	1/2	1,610.81	1/2	1,329.95	1/2	1,049.12	1/2	768.26	1/2	487.43	1/2	206.60	1/2		1/2		1/2	
3/4	1,885.79	3/4	1,604.96	3/4	1,324.10	3/4	1,043.27	3/4	762.41	3/4	481.58	3/4	200.74	3/4		3/4		3/4	
6	1,879.94	6	1,599.11	6	1,318.25	6	1,037.42	6	756.56	6	475.73	6	194.89	6		6		6	
1/4	1,874.09	1/4	1,593.26	1/4	1,312.40	1/4	1,031.57	1/4	750.71	1/4	469.88	1/4	189.04	1/4		1/4		1/4	
1/2	1,868.24	1/2	1,587.41	1/2	1,306.55	1/2	1,025.71	1/2	744.86	1/2	464.02	1/2	183.19	1/2		1/2		1/2	
3/4	1,862.39	3/4	1,581.55	3/4	1,300.70	3/4	1,019.86	3/4	739.01	3/4	458.17	3/4	177.37	3/4		3/4		3/4	
7	1,856.54	7	1,575.70	7	1,294.85	7	1,014.01	7	733.17	7	452.32	7	171.55	7		7		7	
1/4	1,850.68	1/4	1,569.85	1/4	1,288.99	1/4	1,008.16	1/4	727.32	1/4	446.47	1/4	165.73	1/4		1/4		1/4	
1/2	1,844.83	1/2	1,564.00	1/2	1,283.14	1/2	1,002.31	1/2	721.48	1/2	440.62	1/2	159.90	1/2		1/2		1/2	
3/4	1,838.98	3/4	1,558.15	3/4	1,277.29	3/4	996.46	3/4	715.63	3/4	434.77	3/4	154.10	3/4		3/4		3/4	
8	1,833.13	8	1,552.30	8	1,271.44	8	990.61	8	709.77	8	428.92	8	148.30	8		8		8	
1/4	1,827.28	1/4	1,546.45	1/4	1,265.59	1/4	984.76	1/4	703.92	1/4	423.07	1/4	142.49	1/4		1/4		1/4	
1/2	1,821.43	1/2	1,540.60	1/2	1,259.74	1/2	978.91	1/2	698.07	1/2	417.21	1/2	136.69	1/2		1/2		1/2	
3/4	1,815.58	3/4	1,534.74	3/4	1,253.89	3/4	973.05	3/4	692.22	3/4	411.36	3/4	130.88	3/4		3/4		3/4	
9	1,809.73	9	1,528.89	9	1,248.04	9	967.20	9	686.37	9	405.51	9	125.07	9		9		9	
1/4	1,803.88	1/4	1,523.04	1/4	1,242.18	1/4	961.35	1/4	680.52	1/4	399.66	1/4	119.26	1/4		1/4		1/4	
1/2	1,798.02	1/2	1,517.19	1/2	1,236.33	1/2	955.50	1/2	674.67	1/2	393.81	1/2	113.45	1/2		1/2		1/2	
3/4	1,792.17	3/4	1,511.34	3/4	1,230.48	3/4	949.65	3/4	668.82	3/4	387.96	3/4	107.65	3/4		3/4		3/4	
10	1,786.32	10	1,505.49	10	1,224.63	10	943.80	10	662.96	10	382.11	10	101.85	10		10		10	
1/4	1,780.47	1/4	1,499.64	1/4	1,218.78	1/4	937.95	1/4	657.11	1/4	376.26	1/4	96.04	1/4		1/4		1/4	
1/2	1,774.62	1/2	1,493.79	1/2	1,212.93	1/2	932.10	1/2	651.26	1/2	370.40	1/2	90.24	1/2		1/2		1/2	
3/4	1,768.77	3/4	1,487.93	3/4	1,207.08	3/4	926.24	3/4	645.41	3/4	364.55	3/4	84.43	3/4		3/4		3/4	
11	1,762.92	11	1,482.08	11	1,201.24	11	920.39	11	639.56	11	358.70	11	78.63	11		11		11	
1/4	1,757.07	1/4	1,476.23	1/4	1,195.39	1/4	914.54	1/4	633.71	1/4	352.85	1/4	72.83	1/4		1/4		1/4	
1/2	1,751.21	1/2	1,470.38	1/2	1,189.55	1/2	908.69	1/2	627.86	1/2	347.00	1/2	67.02	1/2		1/2		1/2	
3/4	1,745.36	3/4	1,464.53	3/4	1,183.70	3/4	902.84	3/4	622.01	3/4	341.15	3/4	61.22	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/05/1991 SI  
DECK MEASUREMENTS: 06/02/2021 PMA  
REPRINTED: 06/02/2021 PMA

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2021

PRECISION MEASUREMENT  
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