



# BARGE "KIRBY 10091"

## 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	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-3/4	- 00-3/4	00-7/8	- 00-7/8
2 CENTER	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	00-1/2	- 00-1/2
3 CENTER	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	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 1 CENTER IS - 00-1/4"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 3/4"

LENGTH BETWEEN DRAFT MARKS: 163'-06"

February 28, 2024

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

<http://www.pmacorp.net>









# BARGE "KIRBY 10091"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

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	1,692.71	0	1,429.78	0	1,166.69	0	905.12	0	646.27	0	383.36	0	120.31	0		0		0	
1/4	1,687.23	1/4	1,424.30	1/4	1,161.21	1/4	899.72	1/4	640.83	1/4	377.88	1/4	114.85	1/4		1/4		1/4	
1/2	1,681.75	1/2	1,418.82	1/2	1,155.73	1/2	894.33	1/2	635.39	1/2	372.40	1/2	109.38	1/2		1/2		1/2	
3/4	1,676.28	3/4	1,413.35	3/4	1,150.25	3/4	888.93	3/4	629.95	3/4	366.92	3/4	103.92	3/4		3/4		3/4	
1	1,670.80	1	1,407.87	1	1,144.77	1	883.54	1	624.52	1	361.44	1	98.45	1		1		1	
1/4	1,665.32	1/4	1,402.39	1/4	1,139.29	1/4	878.14	1/4	619.04	1/4	355.96	1/4	93.01	1/4		1/4		1/4	
1/2	1,659.84	1/2	1,396.91	1/2	1,133.81	1/2	872.74	1/2	613.56	1/2	350.48	1/2	87.56	1/2		1/2		1/2	
3/4	1,654.36	3/4	1,391.42	3/4	1,128.33	3/4	867.35	3/4	608.08	3/4	345.00	3/4	82.12	3/4		3/4		3/4	
2	1,648.89	2	1,385.94	2	1,122.85	2	861.95	2	602.60	2	339.52	2	76.67	2		2		2	
1/4	1,643.41	1/4	1,380.46	1/4	1,117.36	1/4	856.55	1/4	597.11	1/4	334.04	1/4	71.25	1/4		1/4		1/4	
1/2	1,637.93	1/2	1,374.98	1/2	1,111.88	1/2	851.16	1/2	591.63	1/2	328.56	1/2	65.83	1/2		1/2		1/2	
3/4	1,632.45	3/4	1,369.50	3/4	1,106.40	3/4	845.76	3/4	586.15	3/4	323.07	3/4	60.42	3/4		3/4		3/4	
3	1,626.98	3	1,364.02	3	1,100.92	3	840.36	3	580.67	3	317.59	3	55.00	3		3		3	
1/4	1,621.50	1/4	1,358.54	1/4	1,095.44	1/4	834.97	1/4	575.19	1/4	312.11	1/4	49.63	1/4		1/4		1/4	
1/2	1,616.02	1/2	1,353.06	1/2	1,089.96	1/2	829.57	1/2	569.71	1/2	306.63	1/2	44.26	1/2		1/2		1/2	
3/4	1,610.54	3/4	1,347.57	3/4	1,084.48	3/4	824.17	3/4	564.23	3/4	301.15	3/4	38.90	3/4		3/4		3/4	
4	1,605.06	4	1,342.09	4	1,079.00	4	818.78	4	558.75	4	295.67	4	33.53	4		4		4	
1/4	1,599.59	1/4	1,336.61	1/4	1,073.51	1/4	813.39	1/4	553.27	1/4	290.19	1/4	28.97	1/4		1/4		1/4	
1/2	1,594.11	1/2	1,331.13	1/2	1,068.03	1/2	808.00	1/2	547.79	1/2	284.71	1/2	24.41	1/2		1/2		1/2	
3/4	1,588.63	3/4	1,325.65	3/4	1,062.55	3/4	802.60	3/4	542.31	3/4	279.23	3/4	19.85	3/4		3/4		3/4	
5	1,583.15	5	1,320.17	5	1,057.07	5	797.21	5	536.83	5	273.75	5	15.29	5		5		5	
1/4	1,577.68	1/4	1,314.69	1/4	1,051.59	1/4	791.82	1/4	531.35	1/4	268.27	1/4	12.55	1/4		1/4		1/4	
1/2	1,572.20	1/2	1,309.21	1/2	1,046.11	1/2	786.43	1/2	525.86	1/2	262.79	1/2	9.81	1/2		1/2		1/2	
3/4	1,566.72	3/4	1,303.72	3/4	1,040.63	3/4	781.04	3/4	520.38	3/4	257.31	3/4	7.07	3/4		3/4		3/4	
6	1,561.24	6	1,298.24	6	1,035.15	6	775.65	6	514.90	6	251.82	6	4.33	6		6		6	
1/4	1,555.77	1/4	1,292.76	1/4	1,029.66	1/4	770.26	1/4	509.42	1/4	246.34	1/4	3.42	1/4		1/4		1/4	
1/2	1,550.29	1/2	1,287.28	1/2	1,024.18	1/2	764.87	1/2	503.94	1/2	240.86	1/2	2.50	1/2		1/2		1/2	
3/4	1,544.81	3/4	1,281.80	3/4	1,018.70	3/4	759.48	3/4	498.46	3/4	235.38	3/4	1.59	3/4		3/4		3/4	
7	1,539.33	7	1,276.32	7	1,013.22	7	754.08	7	492.98	7	229.90	7	0.68	7		7		7	
1/4	1,533.85	1/4	1,270.84	1/4	1,007.78	1/4	748.69	1/4	487.50	1/4	224.42	1/4		1/4		1/4		1/4	
1/2	1,528.38	1/2	1,265.36	1/2	1,002.34	1/2	743.30	1/2	482.02	1/2	218.94	1/2		1/2		1/2		1/2	
3/4	1,522.90	3/4	1,259.88	3/4	996.90	3/4	737.91	3/4	476.54	3/4	213.46	3/4		3/4		3/4		3/4	
8	1,517.42	8	1,254.39	8	991.47	8	732.52	8	471.06	8	207.98	8		8		8		8	
1/4	1,511.94	1/4	1,248.91	1/4	986.07	1/4	727.13	1/4	465.58	1/4	202.50	1/4		1/4		1/4		1/4	
1/2	1,506.47	1/2	1,243.43	1/2	980.67	1/2	721.74	1/2	460.09	1/2	197.02	1/2		1/2		1/2		1/2	
3/4	1,500.99	3/4	1,237.95	3/4	975.28	3/4	716.35	3/4	454.61	3/4	191.54	3/4		3/4		3/4		3/4	
9	1,495.51	9	1,232.47	9	969.88	9	710.96	9	449.13	9	186.05	9		9		9		9	
1/4	1,490.03	1/4	1,226.99	1/4	964.48	1/4	705.56	1/4	443.65	1/4	180.57	1/4		1/4		1/4		1/4	
1/2	1,484.56	1/2	1,221.51	1/2	959.09	1/2	700.17	1/2	438.17	1/2	175.09	1/2		1/2		1/2		1/2	
3/4	1,479.08	3/4	1,216.03	3/4	953.69	3/4	694.78	3/4	432.69	3/4	169.61	3/4		3/4		3/4		3/4	
10	1,473.60	10	1,210.54	10	948.29	10	689.39	10	427.21	10	164.13	10		10		10		10	
1/4	1,468.12	1/4	1,205.06	1/4	942.90	1/4	684.00	1/4	421.73	1/4	158.65	1/4		1/4		1/4		1/4	
1/2	1,462.64	1/2	1,199.58	1/2	937.50	1/2	678.61	1/2	416.25	1/2	153.17	1/2		1/2		1/2		1/2	
3/4	1,457.17	3/4	1,194.10	3/4	932.10	3/4	673.22	3/4	410.77	3/4	147.69	3/4		3/4		3/4		3/4	
11	1,451.69	11	1,188.62	11	926.71	11	667.83	11	405.29	11	142.21	11		11		11		11	
1/4	1,446.21	1/4	1,183.14	1/4	921.31	1/4	662.44	1/4	399.81	1/4	136.74	1/4		1/4		1/4		1/4	
1/2	1,440.73	1/2	1,177.66	1/2	915.91	1/2	657.05	1/2	394.33	1/2	131.26	1/2		1/2		1/2		1/2	
3/4	1,435.26	3/4	1,172.18	3/4	910.52	3/4	651.66	3/4	388.84	3/4	125.79	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/06/2014 CL  
CALCULATED: 01/06/2014 CL  
VERIFIED: 02/28/2024 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2024

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "KIRBY 10091"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 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	1,669.40	0	1,408.22	0	1,146.87	0	886.36	0	625.81	0	364.48	0	103.23	0		0		0	
1/4	1,663.96	1/4	1,402.78	1/4	1,141.43	1/4	880.95	1/4	620.37	1/4	359.04	1/4	97.80	1/4		1/4		1/4	
1/2	1,658.52	1/2	1,397.34	1/2	1,135.99	1/2	875.54	1/2	614.92	1/2	353.60	1/2	92.39	1/2		1/2		1/2	
3/4	1,653.08	3/4	1,391.89	3/4	1,130.54	3/4	870.14	3/4	609.48	3/4	348.15	3/4	86.98	3/4		3/4		3/4	
1	1,647.63	1	1,386.45	1	1,125.10	1	864.73	1	604.03	1	342.71	1	81.57	1		1		1	
1/4	1,642.19	1/4	1,381.00	1/4	1,119.65	1/4	859.32	1/4	598.59	1/4	337.26	1/4	76.16	1/4		1/4		1/4	
1/2	1,636.75	1/2	1,375.56	1/2	1,114.21	1/2	853.91	1/2	593.15	1/2	331.82	1/2	70.78	1/2		1/2		1/2	
3/4	1,631.31	3/4	1,370.11	3/4	1,108.76	3/4	848.50	3/4	587.70	3/4	326.37	3/4	65.40	3/4		3/4		3/4	
2	1,625.87	2	1,364.67	2	1,103.32	2	843.09	2	582.26	2	320.93	2	60.02	2		2		2	
1/4	1,620.43	1/4	1,359.22	1/4	1,097.87	1/4	837.69	1/4	576.81	1/4	315.49	1/4	54.64	1/4		1/4		1/4	
1/2	1,614.99	1/2	1,353.78	1/2	1,092.43	1/2	832.28	1/2	571.37	1/2	310.04	1/2	49.31	1/2		1/2		1/2	
3/4	1,609.55	3/4	1,348.33	3/4	1,086.98	3/4	826.87	3/4	565.92	3/4	304.60	3/4	43.97	3/4		3/4		3/4	
3	1,604.10	3	1,342.89	3	1,081.54	3	821.46	3	560.48	3	299.15	3	38.64	3		3		3	
1/4	1,598.66	1/4	1,337.44	1/4	1,076.09	1/4	816.05	1/4	555.04	1/4	293.71	1/4	33.31	1/4		1/4		1/4	
1/2	1,593.22	1/2	1,332.00	1/2	1,070.65	1/2	810.65	1/2	549.59	1/2	288.26	1/2	28.78	1/2		1/2		1/2	
3/4	1,587.78	3/4	1,326.55	3/4	1,065.20	3/4	805.25	3/4	544.15	3/4	282.82	3/4	24.25	3/4		3/4		3/4	
4	1,582.34	4	1,321.11	4	1,059.76	4	799.84	4	538.70	4	277.38	4	19.72	4		4		4	
1/4	1,576.90	1/4	1,315.66	1/4	1,054.31	1/4	794.44	1/4	533.26	1/4	271.93	1/4	15.19	1/4		1/4		1/4	
1/2	1,571.46	1/2	1,310.22	1/2	1,048.87	1/2	789.00	1/2	527.81	1/2	266.49	1/2	12.47	1/2		1/2		1/2	
3/4	1,566.02	3/4	1,304.77	3/4	1,043.42	3/4	783.56	3/4	522.37	3/4	261.04	3/4	9.75	3/4		3/4		3/4	
5	1,560.58	5	1,299.33	5	1,037.98	5	778.12	5	516.92	5	255.60	5	7.03	5		5		5	
1/4	1,555.13	1/4	1,293.88	1/4	1,032.53	1/4	772.68	1/4	511.48	1/4	250.15	1/4	4.31	1/4		1/4		1/4	
1/2	1,549.69	1/2	1,288.44	1/2	1,027.09	1/2	767.24	1/2	506.04	1/2	244.71	1/2	3.40	1/2		1/2		1/2	
3/4	1,544.25	3/4	1,282.99	3/4	1,021.64	3/4	761.80	3/4	500.59	3/4	239.27	3/4	2.49	3/4		3/4		3/4	
6	1,538.81	6	1,277.55	6	1,016.20	6	756.36	6	495.15	6	233.82	6	1.58	6		6		6	
1/4	1,533.37	1/4	1,272.11	1/4	1,010.75	1/4	750.92	1/4	489.70	1/4	228.38	1/4	0.68	1/4		1/4		1/4	
1/2	1,527.93	1/2	1,266.66	1/2	1,005.35	1/2	745.48	1/2	484.26	1/2	222.93	1/2		1/2		1/2		1/2	
3/4	1,522.49	3/4	1,261.22	3/4	999.94	3/4	740.05	3/4	478.81	3/4	217.49	3/4		3/4		3/4		3/4	
7	1,517.05	7	1,255.77	7	994.53	7	734.61	7	473.37	7	212.04	7		7		7		7	
1/4	1,511.60	1/4	1,250.33	1/4	989.12	1/4	729.17	1/4	467.93	1/4	206.60	1/4		1/4		1/4		1/4	
1/2	1,506.16	1/2	1,244.88	1/2	983.71	1/2	723.73	1/2	462.48	1/2	201.16	1/2		1/2		1/2		1/2	
3/4	1,500.72	3/4	1,239.44	3/4	978.30	3/4	718.29	3/4	457.04	3/4	195.71	3/4		3/4		3/4		3/4	
8	1,495.28	8	1,233.99	8	972.90	8	712.85	8	451.59	8	190.27	8		8		8		8	
1/4	1,489.84	1/4	1,228.55	1/4	967.49	1/4	707.41	1/4	446.15	1/4	184.82	1/4		1/4		1/4		1/4	
1/2	1,484.40	1/2	1,223.10	1/2	962.08	1/2	701.97	1/2	440.70	1/2	179.38	1/2		1/2		1/2		1/2	
3/4	1,478.96	3/4	1,217.66	3/4	956.67	3/4	696.53	3/4	435.26	3/4	173.93	3/4		3/4		3/4		3/4	
9	1,473.52	9	1,212.21	9	951.26	9	691.09	9	429.82	9	168.49	9		9		9		9	
1/4	1,468.07	1/4	1,206.77	1/4	945.85	1/4	685.65	1/4	424.37	1/4	163.05	1/4		1/4		1/4		1/4	
1/2	1,462.63	1/2	1,201.32	1/2	940.45	1/2	680.21	1/2	418.93	1/2	157.60	1/2		1/2		1/2		1/2	
3/4	1,457.19	3/4	1,195.88	3/4	935.04	3/4	674.77	3/4	413.48	3/4	152.16	3/4		3/4		3/4		3/4	
10	1,451.75	10	1,190.43	10	929.63	10	669.33	10	408.04	10	146.71	10		10		10		10	
1/4	1,446.31	1/4	1,184.99	1/4	924.22	1/4	663.90	1/4	402.59	1/4	141.27	1/4		1/4		1/4		1/4	
1/2	1,440.87	1/2	1,179.54	1/2	918.81	1/2	658.46	1/2	397.15	1/2	135.83	1/2		1/2		1/2		1/2	
3/4	1,435.43	3/4	1,174.10	3/4	913.40	3/4	653.02	3/4	391.71	3/4	130.39	3/4		3/4		3/4		3/4	
11	1,429.99	11	1,168.65	11	908.00	11	647.58	11	386.26	11	124.95	11		11		11		11	
1/4	1,424.55	1/4	1,163.21	1/4	902.59	1/4	642.14	1/4	380.82	1/4	119.52	1/4		1/4		1/4		1/4	
1/2	1,419.10	1/2	1,157.76	1/2	897.18	1/2	636.70	1/2	375.37	1/2	114.09	1/2		1/2		1/2		1/2	
3/4	1,413.66	3/4	1,152.32	3/4	891.77	3/4	631.25	3/4	369.93	3/4	108.66	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/06/2014 CL  
CALCULATED: 01/06/2014 CL  
VERIFIED: 02/28/2024 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2024

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