



# BARGE "KIRBY 10211"

## 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	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-0/8	- 01-0/8
2 CENTER	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-1/2	- 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 - 00-3/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 5/8"

LENGTH BETWEEN DRAFT MARKS: 163'-06"

July 21, 2010

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

<http://www.pmacorp.net>



# BARGE "KIRBY 10211"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
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

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 32'-03" FORWARD OF AFT BULKHEAD.

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# BARGE "KIRBY 10211"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	1,886.43	0	1,589.36	0	1,292.12	0	994.88	0	703.70	0	406.32	0	108.91	0		0			
1/4	1,880.24	1/4	1,583.17	1/4	1,285.93	1/4	988.69	1/4	697.52	1/4	400.12	1/4	102.74	1/4		1/4			
1/2	1,874.06	1/2	1,576.97	1/2	1,279.73	1/2	982.49	1/2	691.34	1/2	393.92	1/2	96.57	1/2		1/2			
3/4	1,867.87	3/4	1,570.78	3/4	1,273.54	3/4	976.30	3/4	685.17	3/4	387.73	3/4	90.40	3/4		3/4			
1	1,861.69	1	1,564.59	1	1,267.35	1	970.17	1	678.97	1	381.53	1	84.27	1		1			
1 1/4	1,855.51	1 1/4	1,558.40	1 1/4	1,261.16	1 1/4	964.04	1 1/4	672.77	1 1/4	375.33	1 1/4	78.13	1 1/4		1 1/4			
1 1/2	1,849.32	1 1/2	1,552.20	1 1/2	1,254.96	1 1/2	957.91	1 1/2	666.58	1 1/2	369.14	1 1/2	71.99	1 1/2		1 1/2			
3/4	1,843.14	3/4	1,546.01	3/4	1,248.77	3/4	951.78	3/4	660.38	3/4	362.94	3/4	65.86	3/4		3/4			
2	1,836.96	2	1,539.82	2	1,242.58	2	945.72	2	654.19	2	356.74	2	59.77	2		2			
1 1/4	1,830.77	1 1/4	1,533.63	1 1/4	1,236.39	1 1/4	939.65	1 1/4	647.99	1 1/4	350.55	1 1/4	53.69	1 1/4		1 1/4			
1 1/2	1,824.59	1 1/2	1,527.43	1 1/2	1,230.19	1 1/2	933.59	1 1/2	641.80	1 1/2	344.35	1 1/2	47.61	1 1/2		1 1/2			
3/4	1,818.40	3/4	1,521.24	3/4	1,224.00	3/4	927.52	3/4	635.60	3/4	338.15	3/4	41.53	3/4		3/4			
3	1,812.21	3	1,515.05	3	1,217.81	3	921.45	3	629.40	3	331.96	3	36.37	3		3			
1 1/4	1,806.02	1 1/4	1,508.86	1 1/4	1,211.62	1 1/4	915.39	1 1/4	623.21	1 1/4	325.76	1 1/4	31.20	1 1/4		1 1/4			
1 1/2	1,799.83	1 1/2	1,502.66	1 1/2	1,205.42	1 1/2	909.32	1 1/2	617.01	1 1/2	319.56	1 1/2	26.04	1 1/2		1 1/2			
3/4	1,793.63	3/4	1,496.47	3/4	1,199.23	3/4	903.26	3/4	610.81	3/4	313.37	3/4	20.88	3/4		3/4			
4	1,787.44	4	1,490.28	4	1,193.04	4	897.21	4	604.62	4	307.17	4	17.77	4		4			
1 1/4	1,781.25	1 1/4	1,484.09	1 1/4	1,186.85	1 1/4	891.16	1 1/4	598.42	1 1/4	300.97	1 1/4	14.67	1 1/4		1 1/4			
1 1/2	1,775.06	1 1/2	1,477.89	1 1/2	1,180.65	1 1/2	885.11	1 1/2	592.22	1 1/2	294.78	1 1/2	11.56	1 1/2		1 1/2			
3/4	1,768.87	3/4	1,471.70	3/4	1,174.46	3/4	879.06	3/4	586.03	3/4	288.58	3/4	8.46	3/4		3/4			
5	1,762.67	5	1,465.51	5	1,168.27	5	873.03	5	579.83	5	282.38	5	7.43	5		5			
1 1/4	1,756.48	1 1/4	1,459.32	1 1/4	1,162.08	1 1/4	866.99	1 1/4	573.63	1 1/4	276.19	1 1/4	6.39	1 1/4		1 1/4			
1 1/2	1,750.29	1 1/2	1,453.12	1 1/2	1,155.88	1 1/2	860.96	1 1/2	567.44	1 1/2	269.99	1 1/2	5.36	1 1/2		1 1/2			
3/4	1,744.10	3/4	1,446.93	3/4	1,149.69	3/4	854.93	3/4	561.24	3/4	263.79	3/4	4.32	3/4		3/4			
6	1,737.91	6	1,440.74	6	1,143.50	6	848.89	6	555.04	6	257.60	6		6		6			
1 1/4	1,731.71	1 1/4	1,434.55	1 1/4	1,137.31	1 1/4	842.86	1 1/4	548.84	1 1/4	251.40	1 1/4		1 1/4		1 1/4			
1 1/2	1,725.52	1 1/2	1,428.35	1 1/2	1,131.11	1 1/2	836.83	1 1/2	542.65	1 1/2	245.20	1 1/2		1 1/2		1 1/2			
3/4	1,719.33	3/4	1,422.16	3/4	1,124.92	3/4	830.80	3/4	536.45	3/4	239.00	3/4		3/4		3/4			
7	1,713.14	7	1,415.97	7	1,118.73	7	824.76	7	530.25	7	232.81	7		7		7			
1 1/4	1,706.95	1 1/4	1,409.78	1 1/4	1,112.54	1 1/4	818.73	1 1/4	524.06	1 1/4	226.61	1 1/4		1 1/4		1 1/4			
1 1/2	1,700.77	1 1/2	1,403.58	1 1/2	1,106.34	1 1/2	812.70	1 1/2	517.86	1 1/2	220.41	1 1/2		1 1/2		1 1/2			
3/4	1,694.58	3/4	1,397.39	3/4	1,100.15	3/4	806.66	3/4	511.66	3/4	214.22	3/4		3/4		3/4			
8	1,688.39	8	1,391.20	8	1,093.96	8	800.63	8	505.47	8	208.02	8		8		8			
1 1/4	1,682.20	1 1/4	1,385.01	1 1/4	1,087.77	1 1/4	794.60	1 1/4	499.27	1 1/4	201.82	1 1/4		1 1/4		1 1/4			
1 1/2	1,676.01	1 1/2	1,378.81	1 1/2	1,081.57	1 1/2	788.56	1 1/2	493.07	1 1/2	195.63	1 1/2		1 1/2		1 1/2			
3/4	1,669.82	3/4	1,372.62	3/4	1,075.38	3/4	782.53	3/4	486.88	3/4	189.43	3/4		3/4		3/4			
9	1,663.63	9	1,366.43	9	1,069.19	9	776.50	9	480.68	9	183.23	9		9		9			
1 1/4	1,657.44	1 1/4	1,360.24	1 1/4	1,063.00	1 1/4	770.47	1 1/4	474.48	1 1/4	177.04	1 1/4		1 1/4		1 1/4			
1 1/2	1,651.25	1 1/2	1,354.04	1 1/2	1,056.80	1 1/2	764.43	1 1/2	468.29	1 1/2	170.84	1 1/2		1 1/2		1 1/2			
3/4	1,645.06	3/4	1,347.85	3/4	1,050.61	3/4	758.40	3/4	462.09	3/4	164.65	3/4		3/4		3/4			
10	1,638.88	10	1,341.66	10	1,044.42	10	752.37	10	455.89	10	158.44	10		10		10			
1 1/4	1,632.69	1 1/4	1,335.47	1 1/4	1,038.23	1 1/4	746.33	1 1/4	449.70	1 1/4	152.24	1 1/4		1 1/4		1 1/4			
1 1/2	1,626.50	1 1/2	1,329.27	1 1/2	1,032.03	1 1/2	740.30	1 1/2	443.50	1 1/2	146.04	1 1/2		1 1/2		1 1/2			
3/4	1,620.31	3/4	1,323.08	3/4	1,025.84	3/4	734.27	3/4	437.30	3/4	139.84	3/4		3/4		3/4			
11	1,614.12	11	1,316.89	11	1,019.65	11	728.17	11	431.11	11	133.65	11		11		11			
1 1/4	1,607.93	1 1/4	1,310.70	1 1/4	1,013.46	1 1/4	722.07	1 1/4	424.91	1 1/4	127.46	1 1/4		1 1/4		1 1/4			
1 1/2	1,601.74	1 1/2	1,304.50	1 1/2	1,007.26	1 1/2	715.98	1 1/2	418.71	1 1/2	121.27	1 1/2		1 1/2		1 1/2			
3/4	1,595.55	3/4	1,298.31	3/4	1,001.07	3/4	709.88	3/4	412.52	3/4	115.08	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/20/2010 CL - SW  
 CALCULATED: 07/21/2010 CL  
 PRINTED: 07/21/2010 CL  
 CANCELS AND SUPERCEDES  
 ALL PRIOR TO 07/2010

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
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# BARGE "KIRBY 10211"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		GAUGE HEIGHT 16'-05 1/4"	
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
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
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

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 27'-09" 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 10211"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	1,658.28	0	1,394.72	0	1,131.00	0	869.40	0	609.51	0	345.81	0	82.31	0		0		0	
1/4	1,647.79	1/4	1,389.23	1/4	1,125.50	1/4	863.99	1/4	604.02	1/4	340.32	1/4	76.85	1/4		1/4		1/4	
1/2	1,637.30	1/2	1,383.73	1/2	1,120.01	1/2	858.58	1/2	598.53	1/2	334.83	1/2	71.42	1/2		1/2		1/2	
3/4	1,641.81	3/4	1,378.24	3/4	1,114.51	3/4	853.17	3/4	593.03	3/4	329.33	3/4	65.99	3/4		3/4		3/4	
1	1,636.32	1	1,372.75	1	1,109.02	1	847.76	1	587.54	1	323.84	1	60.56	1		1		1	
1/4	1,630.83	1/4	1,367.25	1/4	1,103.53	1/4	842.35	1/4	582.05	1/4	318.34	1/4	55.13	1/4		1/4		1/4	
1/2	1,625.34	1/2	1,361.76	1/2	1,098.03	1/2	836.94	1/2	576.55	1/2	312.85	1/2	49.75	1/2		1/2		1/2	
3/4	1,619.85	3/4	1,356.26	3/4	1,092.54	3/4	831.53	3/4	571.06	3/4	307.36	3/4	44.37	3/4		3/4		3/4	
2	1,614.35	2	1,350.77	2	1,087.04	2	826.12	2	565.57	2	301.86	2	38.99	2		2		2	
1/4	1,608.86	1/4	1,345.27	1/4	1,081.55	1/4	820.71	1/4	560.07	1/4	296.37	1/4	33.61	1/4		1/4		1/4	
1/2	1,603.37	1/2	1,339.78	1/2	1,076.05	1/2	815.31	1/2	554.58	1/2	290.88	1/2	29.04	1/2		1/2		1/2	
3/4	1,597.88	3/4	1,334.29	3/4	1,070.56	3/4	809.91	3/4	549.08	3/4	285.38	3/4	24.47	3/4		3/4		3/4	
3	1,592.39	3	1,328.79	3	1,065.07	3	804.50	3	543.59	3	279.89	3	19.90	3		3		3	
1/4	1,586.90	1/4	1,323.30	1/4	1,059.57	1/4	799.10	1/4	538.10	1/4	274.39	1/4	15.33	1/4		1/4		1/4	
1/2	1,581.41	1/2	1,317.80	1/2	1,054.08	1/2	793.69	1/2	532.60	1/2	268.90	1/2	12.58	1/2		1/2		1/2	
3/4	1,575.92	3/4	1,312.31	3/4	1,048.58	3/4	788.29	3/4	527.11	3/4	263.41	3/4	9.83	3/4		3/4		3/4	
4	1,570.43	4	1,306.81	4	1,043.09	4	782.89	4	521.62	4	257.91	4	7.09	4		4		4	
1/4	1,564.94	1/4	1,301.32	1/4	1,037.59	1/4	777.48	1/4	516.12	1/4	252.42	1/4	4.34	1/4		1/4		1/4	
1/2	1,559.45	1/2	1,295.83	1/2	1,032.10	1/2	772.08	1/2	510.63	1/2	246.93	1/2	3.43	1/2		1/2		1/2	
3/4	1,553.96	3/4	1,290.33	3/4	1,026.61	3/4	766.57	3/4	505.13	3/4	241.43	3/4	2.51	3/4		3/4		3/4	
5	1,548.47	5	1,284.84	5	1,021.11	5	761.27	5	499.64	5	235.94	5	1.59	5		5		5	
1/4	1,542.98	1/4	1,279.34	1/4	1,015.62	1/4	755.87	1/4	494.15	1/4	230.44	1/4	0.68	1/4		1/4		1/4	
1/2	1,537.49	1/2	1,273.85	1/2	1,010.17	1/2	750.46	1/2	488.65	1/2	224.95	1/2		1/2		1/2		1/2	
3/4	1,532.00	3/4	1,268.35	3/4	1,004.71	3/4	745.06	3/4	483.16	3/4	219.46	3/4		3/4		3/4		3/4	
6	1,526.51	6	1,262.86	6	999.26	6	739.66	6	477.66	6	213.96	6		6		6		6	
1/4	1,521.02	1/4	1,257.37	1/4	993.81	1/4	734.25	1/4	472.17	1/4	208.47	1/4		1/4		1/4		1/4	
1/2	1,515.53	1/2	1,251.87	1/2	988.40	1/2	728.85	1/2	466.68	1/2	202.97	1/2		1/2		1/2		1/2	
3/4	1,510.04	3/4	1,246.38	3/4	982.99	3/4	723.44	3/4	461.18	3/4	197.48	3/4		3/4		3/4		3/4	
7	1,504.54	7	1,240.88	7	977.58	7	718.04	7	455.69	7	191.99	7		7		7		7	
1/4	1,499.05	1/4	1,235.39	1/4	972.17	1/4	712.64	1/4	450.20	1/4	186.49	1/4		1/4		1/4		1/4	
1/2	1,493.56	1/2	1,229.89	1/2	966.76	1/2	707.23	1/2	444.70	1/2	181.00	1/2		1/2		1/2		1/2	
3/4	1,488.07	3/4	1,224.40	3/4	961.35	3/4	701.83	3/4	439.21	3/4	175.51	3/4		3/4		3/4		3/4	
8	1,482.58	8	1,218.91	8	955.95	8	696.42	8	433.71	8	170.01	8		8		8		8	
1/4	1,477.09	1/4	1,213.41	1/4	950.54	1/4	691.02	1/4	428.22	1/4	164.52	1/4		1/4		1/4		1/4	
1/2	1,471.60	1/2	1,207.92	1/2	945.13	1/2	685.62	1/2	422.73	1/2	159.03	1/2		1/2		1/2		1/2	
3/4	1,466.11	3/4	1,202.42	3/4	939.72	3/4	680.21	3/4	417.23	3/4	153.53	3/4		3/4		3/4		3/4	
9	1,460.62	9	1,196.93	9	934.31	9	674.81	9	411.74	9	148.04	9		9		9		9	
1/4	1,455.13	1/4	1,191.43	1/4	928.90	1/4	669.40	1/4	406.25	1/4	142.55	1/4		1/4		1/4		1/4	
1/2	1,449.64	1/2	1,185.94	1/2	923.49	1/2	664.00	1/2	400.75	1/2	137.06	1/2		1/2		1/2		1/2	
3/4	1,444.15	3/4	1,180.45	3/4	918.08	3/4	658.60	3/4	395.26	3/4	131.57	3/4		3/4		3/4		3/4	
10	1,438.66	10	1,174.95	10	912.67	10	653.20	10	389.76	10	126.08	10		10		10		10	
1/4	1,433.17	1/4	1,169.46	1/4	907.26	1/4	647.79	1/4	384.27	1/4	120.59	1/4		1/4		1/4		1/4	
1/2	1,427.68	1/2	1,163.96	1/2	901.85	1/2	642.34	1/2	378.78	1/2	115.12	1/2		1/2		1/2		1/2	
3/4	1,422.19	3/4	1,158.47	3/4	896.44	3/4	636.89	3/4	373.29	3/4	109.64	3/4		3/4		3/4		3/4	
11	1,416.70	11	1,152.97	11	891.03	11	631.44	11	367.78	11	104.16	11		11		11		11	
1/4	1,411.21	1/4	1,147.48	1/4	885.62	1/4	625.99	1/4	362.30	1/4	98.69	1/4		1/4		1/4		1/4	
1/2	1,405.71	1/2	1,141.99	1/2	880.22	1/2	620.50	1/2	356.80	1/2	93.23	1/2		1/2		1/2		1/2	
3/4	1,400.22	3/4	1,136.49	3/4	874.81	3/4	615.01	3/4	351.31	3/4	87.77	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/20/2010 CL - SW  
 CALCULATED: 07/21/2010 CL  
 PRINTED: 07/21/2010 CL  
 CANCELS AND SUPERCEDES  
 ALL PRIOR TO 07/2010

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
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 http://www.pmacorp.net



# BARGE "KIRBY 10211"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
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	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
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

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 27'-03" FORWARD OF AFT BULKHEAD.

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