



# BARGE "KIRBY 11019B"

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

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

LENGTH BETWEEN DRAFT MARKS: 183'-00"

April 30, 2010

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

<http://www.pmacorp.net>





# BARGE "KIRBY 11019B"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	1,955.33	0	1,646.39	0	1,337.29	0	1,029.14	0	720.73	0	411.65	0	102.76	0		0		0	
1/4	1,948.89	1/4	1,639.95	1/4	1,330.85	1/4	1,022.73	1/4	714.29	1/4	405.21	1/4	96.36	1/4	1/4	1/4		1/4	
1/2	1,942.46	1/2	1,633.51	1/2	1,324.41	1/2	1,016.33	1/2	707.85	1/2	398.77	1/2	89.96	1/2	1/2	1/2		1/2	
3/4	1,936.02	3/4	1,627.07	3/4	1,317.97	3/4	1,009.93	3/4	701.41	3/4	392.33	3/4	83.59	3/4	3/4	3/4		3/4	
1	1,929.59	1	1,620.63	1	1,311.53	1	1,003.52	1	694.97	1	385.89	1	77.23	1	1	1		1	
1/4	1,923.15	1/4	1,614.19	1/4	1,305.09	1/4	997.12	1/4	688.53	1/4	379.45	1/4	70.86	1/4	1/4	1/4		1/4	
1/2	1,916.71	1/2	1,607.75	1/2	1,298.65	1/2	990.72	1/2	682.09	1/2	373.01	1/2	64.50	1/2	1/2	1/2		1/2	
3/4	1,910.28	3/4	1,601.31	3/4	1,292.21	3/4	984.31	3/4	675.65	3/4	366.57	3/4	58.19	3/4	3/4	3/4		3/4	
2	1,903.84	2	1,594.87	2	1,285.77	2	977.91	2	669.22	2	360.13	2	51.89	2	2	2		2	
1/4	1,897.41	1/4	1,588.43	1/4	1,279.33	1/4	971.51	1/4	662.78	1/4	353.69	1/4	45.58	1/4	1/4	1/4		1/4	
1/2	1,890.97	1/2	1,582.00	1/2	1,272.89	1/2	965.10	1/2	656.34	1/2	347.26	1/2	39.28	1/2	1/2	1/2		1/2	
3/4	1,884.53	3/4	1,575.56	3/4	1,266.45	3/4	958.71	3/4	649.90	3/4	340.82	3/4	33.92	3/4	3/4	3/4		3/4	
3	1,878.10	3	1,569.12	3	1,260.02	3	952.31	3	643.46	3	334.38	3	28.56	3	3	3		3	
1/4	1,871.66	1/4	1,562.68	1/4	1,253.58	1/4	945.91	1/4	637.02	1/4	327.94	1/4	23.21	1/4	1/4	1/4		1/4	
1/2	1,865.23	1/2	1,556.24	1/2	1,247.14	1/2	939.51	1/2	630.58	1/2	321.50	1/2	17.85	1/2	1/2	1/2		1/2	
3/4	1,858.79	3/4	1,549.80	3/4	1,240.70	3/4	933.08	3/4	624.14	3/4	315.06	3/4	14.63	3/4	3/4	3/4		3/4	
4	1,852.35	4	1,543.36	4	1,234.26	4	926.65	4	617.70	4	308.62	4	11.41	4	4	4		4	
1/4	1,845.92	1/4	1,536.92	1/4	1,227.82	1/4	920.21	1/4	611.26	1/4	302.18	1/4	8.19	1/4	1/4	1/4		1/4	
1/2	1,839.48	1/2	1,530.48	1/2	1,221.38	1/2	913.78	1/2	604.82	1/2	295.74	1/2	4.97	1/2	1/2	1/2		1/2	
3/4	1,833.04	3/4	1,524.04	3/4	1,214.94	3/4	907.34	3/4	598.38	3/4	289.30	3/4	3.90	3/4	3/4	3/4		3/4	
5	1,826.61	5	1,517.60	5	1,208.50	5	900.91	5	591.95	5	282.86	5	2.83	5	5	5		5	
1/4	1,820.17	1/4	1,511.16	1/4	1,202.06	1/4	894.47	1/4	585.51	1/4	276.42	1/4	1.75	1/4	1/4	1/4		1/4	
1/2	1,813.74	1/2	1,504.72	1/2	1,195.62	1/2	888.04	1/2	579.07	1/2	269.99	1/2	0.68	1/2	1/2	1/2		1/2	
3/4	1,807.30	3/4	1,498.28	3/4	1,189.22	3/4	881.61	3/4	572.63	3/4	263.55	3/4		3/4	3/4	3/4		3/4	
6	1,800.86	6	1,491.84	6	1,182.81	6	875.17	6	566.19	6	257.11	6		6	6	6		6	
1/4	1,794.43	1/4	1,485.40	1/4	1,176.41	1/4	868.74	1/4	559.75	1/4	250.67	1/4		1/4	1/4	1/4		1/4	
1/2	1,787.99	1/2	1,478.96	1/2	1,170.01	1/2	862.30	1/2	553.31	1/2	244.23	1/2		1/2	1/2	1/2		1/2	
3/4	1,781.56	3/4	1,472.52	3/4	1,163.60	3/4	855.87	3/4	546.87	3/4	237.79	3/4		3/4	3/4	3/4		3/4	
7	1,775.12	7	1,466.08	7	1,157.20	7	849.43	7	540.43	7	231.35	7		7	7	7		7	
1/4	1,768.68	1/4	1,459.64	1/4	1,150.80	1/4	843.00	1/4	533.99	1/4	224.91	1/4		1/4	1/4	1/4		1/4	
1/2	1,762.25	1/2	1,453.20	1/2	1,144.39	1/2	836.57	1/2	527.55	1/2	218.47	1/2		1/2	1/2	1/2		1/2	
3/4	1,755.81	3/4	1,446.76	3/4	1,137.99	3/4	830.13	3/4	521.11	3/4	212.03	3/4		3/4	3/4	3/4		3/4	
8	1,749.38	8	1,440.32	8	1,131.59	8	823.70	8	514.67	8	205.59	8		8	8	8		8	
1/4	1,742.94	1/4	1,433.88	1/4	1,125.18	1/4	817.26	1/4	508.24	1/4	199.15	1/4		1/4	1/4	1/4		1/4	
1/2	1,736.50	1/2	1,427.44	1/2	1,118.78	1/2	810.83	1/2	501.80	1/2	192.71	1/2		1/2	1/2	1/2		1/2	
3/4	1,730.07	3/4	1,421.01	3/4	1,112.38	3/4	804.39	3/4	495.36	3/4	186.28	3/4		3/4	3/4	3/4		3/4	
9	1,723.63	9	1,414.57	9	1,105.97	9	797.96	9	488.92	9	179.84	9		9	9	9		9	
1/4	1,717.20	1/4	1,408.13	1/4	1,099.57	1/4	791.52	1/4	482.48	1/4	173.40	1/4		1/4	1/4	1/4		1/4	
1/2	1,710.76	1/2	1,401.69	1/2	1,093.17	1/2	785.09	1/2	476.04	1/2	166.96	1/2		1/2	1/2	1/2		1/2	
3/4	1,704.32	3/4	1,395.25	3/4	1,086.76	3/4	778.66	3/4	469.60	3/4	160.53	3/4		3/4	3/4	3/4		3/4	
10	1,697.89	10	1,388.81	10	1,080.36	10	772.22	10	463.16	10	154.10	10		10	10	10		10	
1/4	1,691.45	1/4	1,382.37	1/4	1,073.96	1/4	765.79	1/4	456.72	1/4	147.66	1/4		1/4	1/4	1/4		1/4	
1/2	1,685.01	1/2	1,375.93	1/2	1,067.56	1/2	759.36	1/2	450.28	1/2	141.23	1/2		1/2	1/2	1/2		1/2	
3/4	1,678.58	3/4	1,369.49	3/4	1,061.15	3/4	752.92	3/4	443.84	3/4	134.81	3/4		3/4	3/4	3/4		3/4	
11	1,672.14	11	1,363.05	11	1,054.75	11	746.48	11	437.40	11	128.39	11		11	11	11		11	
1/4	1,665.71	1/4	1,356.61	1/4	1,048.35	1/4	740.04	1/4	430.97	1/4	121.97	1/4		1/4	1/4	1/4		1/4	
1/2	1,659.27	1/2	1,350.17	1/2	1,041.94	1/2	733.60	1/2	424.53	1/2	115.55	1/2		1/2	1/2	1/2		1/2	
3/4	1,652.83	3/4	1,343.73	3/4	1,035.54	3/4	727.17	3/4	418.09	3/4	109.15	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/29/2010 CL - SW  
CALCULATED: 04/30/2010 CL  
PRINTED: 04/30/2010 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2010

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





# BARGE "KIRBY 11019B"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	1,885.58	0	1,589.91	0	1,294.07	0	1,000.00	0	708.28	0	412.50	0	116.77	0		0		0	
1/4	1,879.42	1/4	1,583.75	1/4	1,287.90	1/4	993.92	1/4	702.16	1/4	406.34	1/4	110.62	1/4	1/4	1/4		1/4	
1/2	1,873.26	1/2	1,577.59	1/2	1,281.74	1/2	987.84	1/2	696.00	1/2	400.18	1/2	104.50	1/2	1/2	1/2		1/2	
3/4	1,867.10	3/4	1,571.42	3/4	1,275.58	3/4	981.77	3/4	689.84	3/4	394.02	3/4	98.37	3/4	3/4	3/4		3/4	
1	1,860.94	1	1,565.26	1	1,269.41	1	975.69	1	683.67	1	387.85	1	92.25	1	1	1		1	
1/4	1,854.78	1/4	1,559.10	1/4	1,263.25	1/4	969.61	1/4	677.51	1/4	381.69	1/4	86.13	1/4	1/4	1/4		1/4	
1/2	1,848.62	1/2	1,552.93	1/2	1,257.09	1/2	963.53	1/2	671.35	1/2	375.53	1/2	80.03	1/2	1/2	1/2		1/2	
3/4	1,842.46	3/4	1,546.77	3/4	1,250.92	3/4	957.45	3/4	665.19	3/4	369.36	3/4	73.94	3/4	3/4	3/4		3/4	
2	1,836.30	2	1,540.61	2	1,244.76	2	951.37	2	659.02	2	363.20	2	67.85	2	2	2		2	
1/4	1,830.14	1/4	1,534.44	1/4	1,238.60	1/4	945.29	1/4	652.86	1/4	357.04	1/4	61.76	1/4	1/4	1/4		1/4	
1/2	1,823.98	1/2	1,528.28	1/2	1,232.43	1/2	939.22	1/2	646.70	1/2	350.87	1/2	55.72	1/2	1/2	1/2		1/2	
3/4	1,817.82	3/4	1,522.12	3/4	1,226.27	3/4	933.14	3/4	640.54	3/4	344.71	3/4	49.69	3/4	3/4	3/4		3/4	
3	1,811.66	3	1,515.95	3	1,220.10	3	927.06	3	634.37	3	338.55	3	43.65	3	3	3		3	
1/4	1,805.50	1/4	1,509.79	1/4	1,213.94	1/4	920.98	1/4	628.21	1/4	332.39	1/4	37.62	1/4	1/4	1/4		1/4	
1/2	1,799.34	1/2	1,503.63	1/2	1,207.78	1/2	914.91	1/2	622.05	1/2	326.22	1/2	32.49	1/2	1/2	1/2		1/2	
3/4	1,793.18	3/4	1,497.46	3/4	1,201.61	3/4	908.83	3/4	615.88	3/4	320.06	3/4	27.36	3/4	3/4	3/4		3/4	
4	1,787.02	4	1,491.30	4	1,195.45	4	902.76	4	609.72	4	313.90	4	22.24	4	4	4		4	
1/4	1,780.86	1/4	1,485.14	1/4	1,189.29	1/4	896.69	1/4	603.56	1/4	307.73	1/4	17.11	1/4	1/4	1/4		1/4	
1/2	1,774.70	1/2	1,478.97	1/2	1,183.12	1/2	890.61	1/2	597.39	1/2	301.57	1/2	14.03	1/2	1/2	1/2		1/2	
3/4	1,768.54	3/4	1,472.81	3/4	1,176.96	3/4	884.54	3/4	591.23	3/4	295.41	3/4	10.95	3/4	3/4	3/4		3/4	
5	1,762.38	5	1,466.64	5	1,170.80	5	878.47	5	585.07	5	289.24	5	7.87	5	5	5		5	
1/4	1,756.22	1/4	1,460.48	1/4	1,164.63	1/4	872.39	1/4	578.91	1/4	283.08	1/4	4.79	1/4	1/4	1/4		1/4	
1/2	1,750.06	1/2	1,454.32	1/2	1,158.47	1/2	866.32	1/2	572.74	1/2	276.92	1/2	3.76	1/2	1/2	1/2		1/2	
3/4	1,743.90	3/4	1,448.15	3/4	1,152.31	3/4	860.25	3/4	566.58	3/4	270.76	3/4	2.73	3/4	3/4	3/4		3/4	
6	1,737.74	6	1,441.99	6	1,146.14	6	854.17	6	560.42	6	264.59	6	1.70	6	6	6		6	
1/4	1,731.58	1/4	1,435.83	1/4	1,139.98	1/4	848.10	1/4	554.25	1/4	258.43	1/4	0.68	1/4	1/4	1/4		1/4	
1/2	1,725.42	1/2	1,429.66	1/2	1,133.86	1/2	842.03	1/2	548.09	1/2	252.27	1/2		1/2	1/2	1/2		1/2	
3/4	1,719.26	3/4	1,423.50	3/4	1,127.74	3/4	835.95	3/4	541.93	3/4	246.10	3/4		3/4	3/4	3/4		3/4	
7	1,713.10	7	1,417.34	7	1,121.62	7	829.88	7	535.76	7	239.94	7		7	7	7		7	
1/4	1,706.95	1/4	1,411.17	1/4	1,115.50	1/4	823.81	1/4	529.60	1/4	233.78	1/4		1/4	1/4	1/4		1/4	
1/2	1,700.79	1/2	1,405.01	1/2	1,109.42	1/2	817.73	1/2	523.44	1/2	227.61	1/2		1/2	1/2	1/2		1/2	
3/4	1,694.63	3/4	1,398.85	3/4	1,103.34	3/4	811.66	3/4	517.28	3/4	221.45	3/4		3/4	3/4	3/4		3/4	
8	1,688.47	8	1,392.68	8	1,097.26	8	805.59	8	511.11	8	215.29	8		8	8	8		8	
1/4	1,682.31	1/4	1,386.52	1/4	1,091.18	1/4	799.51	1/4	504.95	1/4	209.13	1/4		1/4	1/4	1/4		1/4	
1/2	1,676.15	1/2	1,380.36	1/2	1,085.10	1/2	793.44	1/2	498.79	1/2	202.96	1/2		1/2	1/2	1/2		1/2	
3/4	1,669.99	3/4	1,374.19	3/4	1,079.03	3/4	787.37	3/4	492.62	3/4	196.80	3/4		3/4	3/4	3/4		3/4	
9	1,663.83	9	1,368.03	9	1,072.95	9	781.29	9	486.46	9	190.64	9		9	9	9		9	
1/4	1,657.67	1/4	1,361.87	1/4	1,066.87	1/4	775.22	1/4	480.30	1/4	184.47	1/4		1/4	1/4	1/4		1/4	
1/2	1,651.51	1/2	1,355.70	1/2	1,060.79	1/2	769.15	1/2	474.13	1/2	178.31	1/2		1/2	1/2	1/2		1/2	
3/4	1,645.35	3/4	1,349.54	3/4	1,054.71	3/4	763.07	3/4	467.97	3/4	172.15	3/4		3/4	3/4	3/4		3/4	
10	1,639.19	10	1,343.37	10	1,048.63	10	757.00	10	461.81	10	165.99	10		10	10	10		10	
1/4	1,633.03	1/4	1,337.21	1/4	1,042.55	1/4	750.93	1/4	455.65	1/4	159.82	1/4		1/4	1/4	1/4		1/4	
1/2	1,626.87	1/2	1,331.05	1/2	1,036.47	1/2	744.85	1/2	449.48	1/2	153.67	1/2		1/2	1/2	1/2		1/2	
3/4	1,620.71	3/4	1,324.88	3/4	1,030.40	3/4	738.78	3/4	443.32	3/4	147.51	3/4		3/4	3/4	3/4		3/4	
11	1,614.55	11	1,318.72	11	1,024.32	11	732.71	11	437.16	11	141.35	11		11	11	11		11	
1/4	1,608.39	1/4	1,312.56	1/4	1,018.24	1/4	726.64	1/4	430.99	1/4	135.20	1/4		1/4	1/4	1/4		1/4	
1/2	1,602.23	1/2	1,306.39	1/2	1,012.16	1/2	720.52	1/2	424.83	1/2	129.05	1/2		1/2	1/2	1/2		1/2	
3/4	1,596.07	3/4	1,300.23	3/4	1,006.08	3/4	714.40	3/4	418.67	3/4	122.91	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/29/2010 CL - SW  
CALCULATED: 04/30/2010 CL  
PRINTED: 04/30/2010 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2010

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



# BARGE "KIRBY 11019B"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
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	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
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	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>
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	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>
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	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>
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	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>
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	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>
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	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>
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	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>
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	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>
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	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
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	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>
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	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>

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.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
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# BARGE "KIRBY 11019B"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	1,848.75	1/4	1,555.08	1/4	1,261.29	1/4	967.49	1/4	679.77	1/4	385.78	1/4	91.86	1/4		1/4		1/4			
1/2	1,842.63	1/2	1,548.96	1/2	1,255.16	1/2	961.37	1/2	673.66	1/2	379.66	1/2	85.77	1/2		1/2		1/2			
3/4	1,836.52	3/4	1,542.84	3/4	1,249.04	3/4	955.31	3/4	667.54	3/4	373.53	3/4	79.70	3/4		3/4		3/4			
1	1,830.41	1	1,536.72	1	1,242.92	1	949.25	1	661.42	1	367.41	1	73.63	1		1		1			
1/4	1,824.30	1/4	1,530.60	1/4	1,236.80	1/4	943.19	1/4	655.29	1/4	361.28	1/4	67.57	1/4		1/4		1/4			
1/2	1,818.19	1/2	1,524.48	1/2	1,230.68	1/2	937.14	1/2	649.17	1/2	355.16	1/2	61.50	1/2		1/2		1/2			
3/4	1,812.07	3/4	1,518.36	3/4	1,224.56	3/4	931.14	3/4	643.04	3/4	349.03	3/4	55.49	3/4		3/4		3/4			
2	1,805.96	2	1,512.24	2	1,218.44	2	925.15	2	636.92	2	342.91	2	49.48	2		2		2			
1/4	1,799.85	1/4	1,506.12	1/4	1,212.32	1/4	919.15	1/4	630.79	1/4	336.78	1/4	43.47	1/4		1/4		1/4			
1/2	1,793.74	1/2	1,500.00	1/2	1,206.20	1/2	913.16	1/2	624.67	1/2	330.66	1/2	37.46	1/2		1/2		1/2			
3/4	1,787.62	3/4	1,493.88	3/4	1,200.08	3/4	907.16	3/4	618.54	3/4	324.53	3/4	32.36	3/4		3/4		3/4			
3	1,781.49	3	1,487.76	3	1,193.96	3	901.17	3	612.42	3	318.41	3	27.25	3		3		3			
1/4	1,775.37	1/4	1,481.63	1/4	1,187.84	1/4	895.17	1/4	606.29	1/4	312.28	1/4	22.15	1/4		1/4		1/4			
1/2	1,769.25	1/2	1,475.51	1/2	1,181.72	1/2	889.18	1/2	600.17	1/2	306.16	1/2	17.04	1/2		1/2		1/2			
3/4	1,763.13	3/4	1,469.39	3/4	1,175.59	3/4	883.20	3/4	594.04	3/4	300.03	3/4	13.97	3/4		3/4		3/4			
4	1,757.01	4	1,463.27	4	1,169.47	4	877.22	4	587.92	4	293.91	4	10.91	4		4		4			
1/4	1,750.89	1/4	1,457.15	1/4	1,163.35	1/4	871.25	1/4	581.79	1/4	287.78	1/4	7.84	1/4		1/4		1/4			
1/2	1,744.77	1/2	1,451.03	1/2	1,157.23	1/2	865.27	1/2	575.67	1/2	281.66	1/2	4.77	1/2		1/2		1/2			
3/4	1,738.65	3/4	1,444.91	3/4	1,151.11	3/4	859.31	3/4	569.54	3/4	275.53	3/4	3.75	3/4		3/4		3/4			
5	1,732.53	5	1,438.79	5	1,144.99	5	853.35	5	563.42	5	269.41	5	2.72	5		5		5			
1/4	1,726.41	1/4	1,432.67	1/4	1,138.87	1/4	847.39	1/4	557.29	1/4	263.28	1/4	1.70	1/4		1/4		1/4			
1/2	1,720.29	1/2	1,426.55	1/2	1,132.75	1/2	841.42	1/2	551.16	1/2	257.16	1/2	0.68	1/2		1/2		1/2			
3/4	1,714.17	3/4	1,420.43	3/4	1,126.63	3/4	835.46	3/4	545.04	3/4	251.03	3/4		3/4		3/4		3/4			
6	1,708.05	6	1,414.31	6	1,120.51	6	829.50	6	538.91	6	244.90	6		6		6		6			
1/4	1,701.93	1/4	1,408.18	1/4	1,114.39	1/4	823.54	1/4	532.79	1/4	238.78	1/4		1/4		1/4		1/4			
1/2	1,695.81	1/2	1,402.06	1/2	1,108.27	1/2	817.58	1/2	526.66	1/2	232.65	1/2		1/2		1/2		1/2			
3/4	1,689.69	3/4	1,395.94	3/4	1,102.14	3/4	811.62	3/4	520.54	3/4	226.53	3/4		3/4		3/4		3/4			
7	1,683.57	7	1,389.82	7	1,096.02	7	805.65	7	514.41	7	220.40	7		7		7		7			
1/4	1,677.46	1/4	1,383.70	1/4	1,089.90	1/4	799.69	1/4	508.29	1/4	214.28	1/4		1/4		1/4		1/4			
1/2	1,671.34	1/2	1,377.58	1/2	1,083.78	1/2	793.73	1/2	502.16	1/2	208.15	1/2		1/2		1/2		1/2			
3/4	1,665.22	3/4	1,371.46	3/4	1,077.66	3/4	787.77	3/4	496.04	3/4	202.03	3/4		3/4		3/4		3/4			
8	1,659.10	8	1,365.34	8	1,071.54	8	781.81	8	489.91	8	195.90	8		8		8		8			
1/4	1,652.98	1/4	1,359.22	1/4	1,065.42	1/4	775.85	1/4	483.79	1/4	189.78	1/4		1/4		1/4		1/4			
1/2	1,646.86	1/2	1,353.10	1/2	1,059.30	1/2	769.89	1/2	477.66	1/2	183.65	1/2		1/2		1/2		1/2			
3/4	1,640.75	3/4	1,346.98	3/4	1,053.18	3/4	763.92	3/4	471.54	3/4	177.53	3/4		3/4		3/4		3/4			
9	1,634.63	9	1,340.86	9	1,047.06	9	757.96	9	465.41	9	171.40	9		9		9		9			
1/4	1,628.51	1/4	1,334.74	1/4	1,040.94	1/4	752.00	1/4	459.29	1/4	165.28	1/4		1/4		1/4		1/4			
1/2	1,622.39	1/2	1,328.61	1/2	1,034.82	1/2	746.04	1/2	453.16	1/2	159.15	1/2		1/2		1/2		1/2			
3/4	1,616.27	3/4	1,322.49	3/4	1,028.70	3/4	740.08	3/4	447.04	3/4	153.02	3/4		3/4		3/4		3/4			
10	1,610.16	10	1,316.37	10	1,022.57	10	734.12	10	440.91	10	146.89	10		10		10		10			
1/4	1,604.04	1/4	1,310.25	1/4	1,016.45	1/4	728.16	1/4	434.79	1/4	140.76	1/4		1/4		1/4		1/4			
1/2	1,597.92	1/2	1,304.13	1/2	1,010.33	1/2	722.19	1/2	428.66	1/2	134.63	1/2		1/2		1/2		1/2			
3/4	1,591.80	3/4	1,298.01	3/4	1,004.21	3/4	716.17	3/4	422.54	3/4	128.51	3/4		3/4		3/4		3/4			
11	1,585.68	11	1,291.89	11	998.09	11	710.14	11	416.41	11	122.40	11		11		11		11			
1/4	1,579.56	1/4	1,285.77	1/4	991.97	1/4	704.12	1/4	410.29	1/4	116.28	1/4		1/4		1/4		1/4			
1/2	1,573.45	1/2	1,279.65	1/2	985.85	1/2	698.09	1/2	404.16	1/2	110.16	1/2		1/2		1/2		1/2			
3/4	1,567.33	3/4	1,273.53	3/4	979.73	3/4	691.99	3/4	398.03	3/4	104.06	3/4		3/4		3/4		3/4			

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CALCULATED: 04/30/2010 CL  
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CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2010

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