



# BARGE "KIRBY 10219"

## 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	00-1/2	- 00-1/2	00-5/8	- 00-5/8	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	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-1/2	- 00-1/2
3 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8

(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"

September 9, 2010

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

<http://www.pmacorp.net>



# BARGE "KIRBY 10219"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	3,776.93	0	3,538.02	0	3,284.80	0	3,031.58	0	2,769.12	0	2,473.03	0	2,176.31
1/4	1/4	1/4		1/4	1/4	1/4	3,774.87	1/4	3,532.75	1/4	3,279.53	1/4	3,026.31	1/4	2,762.96	1/4	2,466.85	1/4	2,170.13
1/2	1/2	1/2		1/2	1/2	1/2	3,772.80	1/2	3,527.47	1/2	3,274.25	1/2	3,021.03	1/2	2,756.80	1/2	2,460.67	1/2	2,163.95
3/4	3/4	3/4		3/4	3/4	3/4	3,768.66	3/4	3,522.20	3/4	3,268.98	3/4	3,015.76	3/4	2,750.63	3/4	2,454.49	3/4	2,157.77
1		1		1		1	3,764.52	1	3,516.92	1	3,263.70	1	3,010.48	1	2,744.47	1	2,448.31	1	2,151.58
1/4	1/4	1/4		1/4	1/4	1/4	3,760.38	1/4	3,511.65	1/4	3,258.43	1/4	3,005.21	1/4	2,738.31	1/4	2,442.12	1/4	2,145.40
1/2	1/2	1/2		1/2	1/2	1/2	3,756.24	1/2	3,506.37	1/2	3,253.15	1/2	2,999.93	1/2	2,732.14	1/2	2,435.94	1/2	2,139.22
3/4	3/4	3/4		3/4	3/4	3/4	3,751.35	3/4	3,501.09	3/4	3,247.88	3/4	2,994.66	3/4	2,725.98	3/4	2,429.76	3/4	2,133.04
2		2		2		2	3,746.45	2	3,495.82	2	3,242.60	2	2,989.38	2	2,719.82	2	2,423.58	2	2,126.86
1/4	1/4	1/4		1/4	1/4	1/4	3,741.55	1/4	3,490.54	1/4	3,237.32	1/4	2,984.11	1/4	2,713.65	1/4	2,417.40	1/4	2,120.68
1/2	1/2	1/2		1/2	1/2	1/2	3,736.65	1/2	3,485.27	1/2	3,232.05	1/2	2,978.83	1/2	2,707.49	1/2	2,411.22	1/2	2,114.49
3/4	3/4	3/4		3/4	3/4	3/4	3,731.49	3/4	3,479.99	3/4	3,226.77	3/4	2,973.55	3/4	2,701.33	3/4	2,405.03	3/4	2,108.31
3		3		3		3	3,726.33	3	3,474.72	3	3,221.50	3	2,968.28	3	2,695.17	3	2,398.85	3	2,102.13
1/4	1/4	1/4		1/4	1/4	1/4	3,721.16	1/4	3,469.44	1/4	3,216.22	1/4	2,963.00	1/4	2,689.00	1/4	2,392.67	1/4	2,095.95
1/2	1/2	1/2		1/2	1/2	1/2	3,716.00	1/2	3,464.17	1/2	3,210.95	1/2	2,957.73	1/2	2,682.84	1/2	2,386.49	1/2	2,089.77
3/4	3/4	3/4		3/4	3/4	3/4	3,710.81	3/4	3,458.89	3/4	3,205.67	3/4	2,952.45	3/4	2,676.68	3/4	2,380.31	3/4	2,083.59
4		4		4		4	3,705.62	4	3,453.62	4	3,200.40	4	2,947.18	4	2,670.51	4	2,374.13	4	2,077.40
1/4	1/4	1/4		1/4	1/4	1/4	3,700.44	1/4	3,448.34	1/4	3,195.12	1/4	2,941.90	1/4	2,664.35	1/4	2,367.94	1/4	2,071.22
1/2	1/2	1/2		1/2	1/2	1/2	3,695.25	1/2	3,443.06	1/2	3,189.85	1/2	2,936.63	1/2	2,658.19	1/2	2,361.76	1/2	2,065.04
3/4	3/4	3/4		3/4	3/4	3/4	3,690.06	3/4	3,437.79	3/4	3,184.57	3/4	2,931.35	3/4	2,652.02	3/4	2,355.58	3/4	2,058.86
5		5		5		5	3,684.87	5	3,432.51	5	3,179.29	5	2,926.08	5	2,645.86	5	2,349.40	5	2,052.68
1/4	1/4	1/4		1/4	1/4	1/4	3,679.68	1/4	3,427.24	1/4	3,174.02	1/4	2,920.80	1/4	2,639.70	1/4	2,343.22	1/4	2,046.50
1/2	1/2	1/2		1/2	1/2	1/2	3,674.48	1/2	3,421.96	1/2	3,168.74	1/2	2,915.52	1/2	2,633.53	1/2	2,337.04	1/2	2,040.31
3/4	3/4	3/4		3/4	3/4	3/4	3,669.30	3/4	3,416.69	3/4	3,163.47	3/4	2,910.25	3/4	2,627.37	3/4	2,330.85	3/4	2,034.13
6		6		6		6	3,664.11	6	3,411.41	6	3,158.19	6	2,904.97	6	2,621.21	6	2,324.67	6	2,027.95
1/4	1/4	1/4		1/4	1/4	1/4	3,658.92	1/4	3,406.14	1/4	3,152.92	1/4	2,899.70	1/4	2,615.04	1/4	2,318.49	1/4	2,021.77
1/2	1/2	1/2		1/2	1/2	1/2	3,653.73	1/2	3,400.86	1/2	3,147.64	1/2	2,894.42	1/2	2,608.88	1/2	2,312.31	1/2	2,015.59
3/4	3/4	3/4		3/4	3/4	3/4	3,648.54	3/4	3,395.59	3/4	3,142.37	3/4	2,889.15	3/4	2,602.72	3/4	2,306.13	3/4	2,009.41
7		7		7		7	3,643.36	7	3,390.31	7	3,137.09	7	2,883.87	7	2,596.56	7	2,299.95	7	2,003.22
1/4	1/4	1/4		1/4	1/4	1/4	3,638.17	1/4	3,385.04	1/4	3,131.82	1/4	2,878.60	1/4	2,590.39	1/4	2,293.76	1/4	1,997.04
1/2	1/2	1/2		1/2	1/2	1/2	3,632.98	1/2	3,379.76	1/2	3,126.54	1/2	2,873.32	1/2	2,584.23	1/2	2,287.58	1/2	1,990.86
3/4	3/4	3/4		3/4	3/4	3/4	3,627.70	3/4	3,374.48	3/4	3,121.27	3/4	2,868.02	3/4	2,578.07	3/4	2,281.40	3/4	1,984.68
8		8		8		8	3,622.43	8	3,369.21	8	3,115.99	8	2,862.72	8	2,571.90	8	2,275.22	8	1,978.50
1/4	1/4	1/4		1/4	1/4	1/4	3,617.15	1/4	3,363.93	1/4	3,110.71	1/4	2,857.42	1/4	2,565.74	1/4	2,269.04	1/4	1,972.32
1/2	1/2	1/2		1/2	1/2	1/2	3,611.88	1/2	3,358.66	1/2	3,105.44	1/2	2,852.12	1/2	2,559.58	1/2	2,262.86	1/2	1,966.13
3/4	3/4	3/4		3/4	3/4	3/4	3,606.60	3/4	3,353.38	3/4	3,100.16	3/4	2,846.82	3/4	2,553.40	3/4	2,256.67	3/4	1,959.95
9		9		9		9	3,601.33	9	3,348.11	9	3,094.89	9	2,841.52	9	2,547.21	9	2,250.49	9	1,953.77
1/4	1/4	1/4		1/4	1/4	1/4	3,596.05	1/4	3,342.83	1/4	3,089.61	1/4	2,836.22	1/4	2,541.03	1/4	2,244.31	1/4	1,947.59
1/2	1/2	1/2		1/2	1/2	1/2	3,590.78	1/2	3,337.56	1/2	3,084.34	1/2	2,830.92	1/2	2,534.85	1/2	2,238.13	1/2	1,941.41
3/4	3/4	3/4		3/4	3/4	3/4	3,585.50	3/4	3,332.28	3/4	3,079.06	3/4	2,824.71	3/4	2,528.67	3/4	2,231.95	3/4	1,935.23
10		10		10		10	3,580.23	10	3,327.01	10	3,073.79	10	2,818.51	10	2,522.49	10	2,225.77	10	1,929.04
1/4	1/4	1/4		1/4	1/4	1/4	3,574.95	1/4	3,321.73	1/4	3,068.51	1/4	2,812.31	1/4	2,516.30	1/4	2,219.58	1/4	1,922.86
1/2	1/2	1/2		1/2	1/2	1/2	3,569.67	1/2	3,316.46	1/2	3,063.24	1/2	2,806.10	1/2	2,510.12	1/2	2,213.40	1/2	1,916.68
3/4	3/4	3/4		3/4	3/4	3/4	3,564.40	3/4	3,311.18	3/4	3,057.96	3/4	2,799.94	3/4	2,503.94	3/4	2,207.22	3/4	1,910.50
11		11		11	3,782.11	11	3,559.12	11	3,305.90	11	3,052.69	11	2,793.77	11	2,497.76	11	2,201.04	11	1,904.32
1/4	1/4	1/4		1/4	3,781.59	1/4	3,553.85	1/4	3,300.63	1/4	3,047.41	1/4	2,787.61	1/4	2,491.58	1/4	2,194.86	1/4	1,898.13
1/2	1/2	1/2		1/2	3,781.07	1/2	3,548.57	1/2	3,295.35	1/2	3,042.13	1/2	2,781.45	1/2	2,485.40	1/2	2,188.67	1/2	1,891.95
3/4	3/4	3/4		3/4	3,779.00	3/4	3,543.30	3/4	3,290.08	3/4	3,036.86	3/4	2,775.29	3/4	2,479.21	3/4	2,182.49	3/4	1,885.77

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'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
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 http://www.pmacorp.net



# BARGE "KIRBY 10219"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	1,879.59	0	1,582.61	0	1,285.48	0	988.35	0	697.28	0	399.98	0	102.71	0		0		0	
1/4	1,873.41	1/4	1,576.42	1/4	1,279.29	1/4	982.15	1/4	691.11	1/4	393.79	1/4	96.54	1/4		1/4		1/4	
1/2	1,867.23	1/2	1,570.23	1/2	1,273.10	1/2	975.96	1/2	684.93	1/2	387.59	1/2	90.37	1/2		1/2		1/2	
3/4	1,861.04	3/4	1,564.04	3/4	1,266.91	3/4	969.84	3/4	678.73	3/4	381.40	3/4	84.24	3/4		3/4		3/4	
1	1,854.86	1	1,557.85	1	1,260.72	1	963.71	1	672.54	1	375.20	1	78.10	1		1		1	
1/4	1,848.68	1/4	1,551.66	1/4	1,254.53	1/4	957.58	1/4	666.35	1/4	369.01	1/4	71.97	1/4		1/4		1/4	
1/2	1,842.50	1/2	1,545.47	1/2	1,248.34	1/2	951.46	1/2	660.15	1/2	362.81	1/2	65.83	1/2		1/2		1/2	
3/4	1,836.32	3/4	1,539.28	3/4	1,242.15	3/4	945.39	3/4	653.96	3/4	356.62	3/4	59.75	3/4		3/4		3/4	
2	1,830.14	2	1,533.09	2	1,235.96	2	939.33	2	647.76	2	350.42	2	53.68	2		2		2	
1/4	1,823.95	1/4	1,526.90	1/4	1,229.77	1/4	933.26	1/4	641.57	1/4	344.23	1/4	47.60	1/4		1/4		1/4	
1/2	1,817.77	1/2	1,520.71	1/2	1,223.58	1/2	927.20	1/2	635.38	1/2	338.04	1/2	41.52	1/2		1/2		1/2	
3/4	1,811.58	3/4	1,514.52	3/4	1,217.39	3/4	921.13	3/4	629.18	3/4	331.84	3/4	36.36	3/4		3/4		3/4	
3	1,805.39	3	1,508.33	3	1,211.20	3	915.07	3	622.99	3	325.65	3	31.19	3		3		3	
1/4	1,799.20	1/4	1,502.14	1/4	1,205.01	1/4	909.01	1/4	616.79	1/4	319.45	1/4	26.03	1/4		1/4		1/4	
1/2	1,793.01	1/2	1,495.95	1/2	1,198.82	1/2	902.95	1/2	610.60	1/2	313.26	1/2	20.87	1/2		1/2		1/2	
3/4	1,786.82	3/4	1,489.76	3/4	1,192.62	3/4	896.90	3/4	604.40	3/4	307.06	3/4	17.77	3/4		3/4		3/4	
4	1,780.63	4	1,483.57	4	1,186.43	4	890.85	4	598.21	4	300.87	4	14.66	4		4		4	
1/4	1,774.44	1/4	1,477.38	1/4	1,180.24	1/4	884.80	1/4	592.01	1/4	294.67	1/4	11.56	1/4		1/4		1/4	
1/2	1,768.25	1/2	1,471.19	1/2	1,174.05	1/2	878.76	1/2	585.82	1/2	288.48	1/2	8.46	1/2		1/2		1/2	
3/4	1,762.06	3/4	1,465.00	3/4	1,167.86	3/4	872.72	3/4	579.62	3/4	282.28	3/4	7.42	3/4		3/4		3/4	
5	1,755.87	5	1,458.81	5	1,161.67	5	866.69	5	573.43	5	276.09	5	6.39	5		5		5	
1/4	1,749.68	1/4	1,452.62	1/4	1,155.48	1/4	860.66	1/4	567.24	1/4	269.89	1/4	5.36	1/4		1/4		1/4	
1/2	1,743.49	1/2	1,446.43	1/2	1,149.29	1/2	854.63	1/2	561.04	1/2	263.70	1/2	4.32	1/2		1/2		1/2	
3/4	1,737.30	3/4	1,440.24	3/4	1,143.10	3/4	848.60	3/4	554.85	3/4	257.51	3/4		3/4		3/4		3/4	
6	1,731.11	6	1,434.05	6	1,136.91	6	842.57	6	548.65	6	251.31	6		6		6		6	
1/4	1,724.93	1/4	1,427.86	1/4	1,130.72	1/4	836.54	1/4	542.46	1/4	245.12	1/4		1/4		1/4		1/4	
1/2	1,718.74	1/2	1,421.67	1/2	1,124.53	1/2	830.51	1/2	536.26	1/2	238.92	1/2		1/2		1/2		1/2	
3/4	1,712.55	3/4	1,415.48	3/4	1,118.34	3/4	824.48	3/4	530.07	3/4	232.73	3/4		3/4		3/4		3/4	
7	1,706.36	7	1,409.29	7	1,112.15	7	818.45	7	523.87	7	226.53	7		7		7		7	
1/4	1,700.18	1/4	1,403.10	1/4	1,105.96	1/4	812.42	1/4	517.68	1/4	220.34	1/4		1/4		1/4		1/4	
1/2	1,693.99	1/2	1,396.90	1/2	1,099.77	1/2	806.38	1/2	511.48	1/2	214.14	1/2		1/2		1/2		1/2	
3/4	1,687.80	3/4	1,390.71	3/4	1,093.58	3/4	800.35	3/4	505.29	3/4	207.95	3/4		3/4		3/4		3/4	
8	1,681.61	8	1,384.52	8	1,087.39	8	794.32	8	499.09	8	201.75	8		8		8		8	
1/4	1,675.43	1/4	1,378.33	1/4	1,081.20	1/4	788.29	1/4	492.90	1/4	195.56	1/4		1/4		1/4		1/4	
1/2	1,669.24	1/2	1,372.14	1/2	1,075.01	1/2	782.26	1/2	486.71	1/2	189.36	1/2		1/2		1/2		1/2	
3/4	1,663.05	3/4	1,365.95	3/4	1,068.82	3/4	776.23	3/4	480.51	3/4	183.17	3/4		3/4		3/4		3/4	
9	1,656.87	9	1,359.76	9	1,062.63	9	770.20	9	474.32	9	176.98	9		9		9		9	
1/4	1,650.68	1/4	1,353.57	1/4	1,056.44	1/4	764.17	1/4	468.12	1/4	170.78	1/4		1/4		1/4		1/4	
1/2	1,644.49	1/2	1,347.38	1/2	1,050.25	1/2	758.14	1/2	461.93	1/2	164.59	1/2		1/2		1/2		1/2	
3/4	1,638.30	3/4	1,341.19	3/4	1,044.06	3/4	752.11	3/4	455.73	3/4	158.39	3/4		3/4		3/4		3/4	
10	1,632.12	10	1,335.00	10	1,037.87	10	746.08	10	449.54	10	152.19	10		10		10		10	
1/4	1,625.93	1/4	1,328.81	1/4	1,031.68	1/4	740.04	1/4	443.34	1/4	145.99	1/4		1/4		1/4		1/4	
1/2	1,619.74	1/2	1,322.62	1/2	1,025.49	1/2	734.01	1/2	437.15	1/2	139.79	1/2		1/2		1/2		1/2	
3/4	1,613.56	3/4	1,316.43	3/4	1,019.30	3/4	727.92	3/4	430.95	3/4	133.60	3/4		3/4		3/4		3/4	
11	1,607.37	11	1,310.24	11	1,013.11	11	721.82	11	424.76	11	127.41	11		11		11		11	
1/4	1,601.18	1/4	1,304.05	1/4	1,006.92	1/4	715.73	1/4	418.57	1/4	121.23	1/4		1/4		1/4		1/4	
1/2	1,594.99	1/2	1,297.86	1/2	1,000.73	1/2	709.63	1/2	412.37	1/2	115.04	1/2		1/2		1/2		1/2	
3/4	1,588.80	3/4	1,291.67	3/4	994.54	3/4	703.46	3/4	406.18	3/4	108.87	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/09/2010 CL - SW  
CALCULATED: 09/09/2010 CL  
PRINTED: 09/09/2010 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2010

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



# BARGE "KIRBY 10219"

## 2 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		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	3,489.44	0	3,244.95	0	2,982.51	0	2,720.07	0	2,457.11	0	2,193.27	0	1,929.44
1/4		1/4		1/4		1/4	3,487.61	1/4	3,239.49	1/4	2,977.05	1/4	2,714.61	1/4	2,451.61	1/4	2,187.78	1/4	1,923.94
1/2		1/2		1/2		1/2	3,485.78	1/2	3,234.02	1/2	2,971.58	1/2	2,709.14	1/2	2,446.12	1/2	2,182.28	1/2	1,918.44
3/4		3/4		3/4		3/4	3,482.11	3/4	3,228.55	3/4	2,966.11	3/4	2,703.67	3/4	2,440.62	3/4	2,176.78	3/4	1,912.95
1		1		1		1	3,478.44	1	3,223.08	1	2,960.64	1	2,698.20	1	2,435.12	1	2,171.29	1	1,907.45
1/4		1/4		1/4		1/4	3,474.78	1/4	3,217.62	1/4	2,955.18	1/4	2,692.74	1/4	2,429.63	1/4	2,165.79	1/4	1,901.95
1/2		1/2		1/2		1/2	3,471.11	1/2	3,212.15	1/2	2,949.71	1/2	2,687.27	1/2	2,424.13	1/2	2,160.29	1/2	1,896.46
3/4		3/4		3/4		3/4	3,466.00	3/4	3,206.68	3/4	2,944.24	3/4	2,681.80	3/4	2,418.63	3/4	2,154.80	3/4	1,890.96
2		2		2		2	3,460.88	2	3,201.21	2	2,938.77	2	2,676.33	2	2,413.14	2	2,149.30	2	1,885.46
1/4		1/4		1/4		1/4	3,455.77	1/4	3,195.75	1/4	2,933.31	1/4	2,670.87	1/4	2,407.64	1/4	2,143.80	1/4	1,879.97
1/2		1/2		1/2		1/2	3,450.66	1/2	3,190.28	1/2	2,927.84	1/2	2,665.40	1/2	2,402.14	1/2	2,138.31	1/2	1,874.47
3/4		3/4		3/4		3/4	3,445.31	3/4	3,184.81	3/4	2,922.37	3/4	2,659.93	3/4	2,396.65	3/4	2,132.81	3/4	1,868.97
3		3		3		3	3,439.96	3	3,179.34	3	2,916.90	3	2,654.46	3	2,391.15	3	2,127.31	3	1,863.48
1/4		1/4		1/4		1/4	3,434.62	1/4	3,173.88	1/4	2,911.44	1/4	2,649.00	1/4	2,385.66	1/4	2,121.82	1/4	1,857.98
1/2		1/2		1/2		1/2	3,429.27	1/2	3,168.41	1/2	2,905.97	1/2	2,643.53	1/2	2,380.16	1/2	2,116.32	1/2	1,852.48
3/4		3/4		3/4		3/4	3,423.90	3/4	3,162.94	3/4	2,900.50	3/4	2,638.06	3/4	2,374.66	3/4	2,110.83	3/4	1,846.99
4		4		4		4	3,418.54	4	3,157.47	4	2,895.03	4	2,632.59	4	2,369.17	4	2,105.33	4	1,841.49
1/4		1/4		1/4		1/4	3,413.17	1/4	3,152.01	1/4	2,889.57	1/4	2,627.13	1/4	2,363.67	1/4	2,099.83	1/4	1,836.00
1/2		1/2		1/2		1/2	3,407.81	1/2	3,146.54	1/2	2,884.10	1/2	2,621.66	1/2	2,358.17	1/2	2,094.34	1/2	1,830.50
3/4		3/4		3/4		3/4	3,402.44	3/4	3,141.07	3/4	2,878.63	3/4	2,616.19	3/4	2,352.68	3/4	2,088.84	3/4	1,825.00
5		5		5		5	3,397.07	5	3,135.60	5	2,873.16	5	2,610.72	5	2,347.18	5	2,083.34	5	1,819.51
1/4		1/4		1/4		1/4	3,391.69	1/4	3,130.14	1/4	2,867.70	1/4	2,605.26	1/4	2,341.68	1/4	2,077.85	1/4	1,814.01
1/2		1/2		1/2		1/2	3,386.32	1/2	3,124.67	1/2	2,862.23	1/2	2,599.79	1/2	2,336.19	1/2	2,072.35	1/2	1,808.51
3/4		3/4		3/4		3/4	3,380.95	3/4	3,119.20	3/4	2,856.76	3/4	2,594.32	3/4	2,330.69	3/4	2,066.85	3/4	1,803.02
6		6		6		6	3,375.58	6	3,113.73	6	2,851.29	6	2,588.85	6	2,325.19	6	2,061.36	6	1,797.52
1/4		1/4		1/4		1/4	3,370.21	1/4	3,108.27	1/4	2,845.83	1/4	2,583.39	1/4	2,319.70	1/4	2,055.86	1/4	1,792.02
1/2		1/2		1/2		1/2	3,364.85	1/2	3,102.80	1/2	2,840.36	1/2	2,577.92	1/2	2,314.20	1/2	2,050.36	1/2	1,786.53
3/4		3/4		3/4		3/4	3,359.48	3/4	3,097.33	3/4	2,834.89	3/4	2,572.45	3/4	2,308.70	3/4	2,044.87	3/4	1,781.03
7		7		7		7	3,354.11	7	3,091.86	7	2,829.42	7	2,566.98	7	2,303.21	7	2,039.37	7	1,775.53
1/4		1/4		1/4		1/4	3,348.74	1/4	3,086.40	1/4	2,823.96	1/4	2,561.52	1/4	2,297.71	1/4	2,033.87	1/4	1,770.04
1/2		1/2		1/2		1/2	3,343.37	1/2	3,080.93	1/2	2,818.49	1/2	2,556.05	1/2	2,292.21	1/2	2,028.38	1/2	1,764.54
3/4		3/4		3/4		3/4	3,337.90	3/4	3,075.46	3/4	2,813.02	3/4	2,550.55	3/4	2,286.72	3/4	2,022.88	3/4	1,759.04
8		8		8		8	3,332.43	8	3,069.99	8	2,807.55	8	2,545.06	8	2,281.22	8	2,017.38	8	1,753.55
1/4		1/4		1/4		1/4	3,326.97	1/4	3,064.53	1/4	2,802.09	1/4	2,539.56	1/4	2,275.72	1/4	2,011.89	1/4	1,748.05
1/2		1/2		1/2		1/2	3,321.50	1/2	3,059.06	1/2	2,796.62	1/2	2,534.06	1/2	2,270.23	1/2	2,006.39	1/2	1,742.55
3/4		3/4		3/4		3/4	3,316.03	3/4	3,053.59	3/4	2,791.15	3/4	2,528.57	3/4	2,264.73	3/4	2,000.89	3/4	1,737.06
9		9		9		9	3,310.56	9	3,048.12	9	2,785.68	9	2,523.07	9	2,259.23	9	1,995.40	9	1,731.56
1/4		1/4		1/4		1/4	3,305.10	1/4	3,042.66	1/4	2,780.22	1/4	2,517.57	1/4	2,253.74	1/4	1,989.90	1/4	1,726.06
1/2		1/2		1/2		1/2	3,299.63	1/2	3,037.19	1/2	2,774.75	1/2	2,512.08	1/2	2,248.24	1/2	1,984.40	1/2	1,720.57
3/4		3/4		3/4		3/4	3,294.16	3/4	3,031.72	3/4	2,769.28	3/4	2,506.58	3/4	2,242.74	3/4	1,978.91	3/4	1,715.07
10		10		10		10	3,288.69	10	3,026.25	10	2,763.81	10	2,501.08	10	2,237.25	10	1,973.41	10	1,709.57
1/4		1/4		1/4		1/4	3,283.23	1/4	3,020.79	1/4	2,758.35	1/4	2,495.59	1/4	2,231.75	1/4	1,967.91	1/4	1,704.08
1/2		1/2		1/2		1/2	3,277.76	1/2	3,015.32	1/2	2,752.88	1/2	2,490.09	1/2	2,226.25	1/2	1,962.42	1/2	1,698.58
3/4		3/4		3/4		3/4	3,272.29	3/4	3,009.85	3/4	2,747.41	3/4	2,484.59	3/4	2,220.76	3/4	1,956.92	3/4	1,693.08
11		11		11	3,494.03	11	3,266.82	11	3,004.38	11	2,741.94	11	2,479.10	11	2,215.26	11	1,951.42	11	1,687.59
1/4		1/4		1/4	3,493.57	1/4	3,261.36	1/4	2,998.92	1/4	2,736.48	1/4	2,473.60	1/4	2,209.76	1/4	1,945.93	1/4	1,682.09
1/2		1/2		1/2	3,493.11	1/2	3,255.89	1/2	2,993.45	1/2	2,731.01	1/2	2,468.10	1/2	2,204.27	1/2	1,940.43	1/2	1,676.59
3/4		3/4		3/4	3,491.28	3/4	3,250.42	3/4	2,987.98	3/4	2,725.54	3/4	2,462.61	3/4	2,198.77	3/4	1,934.93	3/4	1,671.10

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'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77568  
<http://www.pmacorp.net>



# BARGE "KIRBY 10219"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	1,665.60	0	1,401.76	0	1,137.74	0	875.77	0	615.68	0	351.69	0	87.86	0		0			
1/4	1,660.10	1/4	1,396.26	1/4	1,132.24	1/4	870.35	1/4	610.18	1/4	346.19	1/4	82.40	1/4		1/4			
1/2	1,654.61	1/2	1,390.76	1/2	1,126.74	1/2	864.94	1/2	604.68	1/2	340.69	1/2	76.93	1/2		1/2			
3/4	1,649.11	3/4	1,385.26	3/4	1,121.24	3/4	859.52	3/4	599.18	3/4	335.19	3/4	71.50	3/4		3/4			
1	1,643.61	1	1,379.76	1	1,115.74	1	854.11	1	593.68	1	329.69	1	66.06	1		1			
1/4	1,638.12	1/4	1,374.25	1/4	1,110.24	1/4	848.69	1/4	588.18	1/4	324.19	1/4	60.62	1/4		1/4			
1/2	1,632.62	1/2	1,368.75	1/2	1,104.74	1/2	843.28	1/2	582.68	1/2	318.69	1/2	55.19	1/2		1/2			
3/4	1,627.12	3/4	1,363.25	3/4	1,099.24	3/4	837.86	3/4	577.18	3/4	313.19	3/4	49.80	3/4		3/4			
2	1,621.63	2	1,357.75	2	1,093.74	2	832.45	2	571.68	2	307.69	2	44.42	2		2			
1/4	1,616.13	1/4	1,352.25	1/4	1,088.24	1/4	827.03	1/4	566.18	1/4	302.19	1/4	39.03	1/4		1/4			
1/2	1,610.63	1/2	1,346.75	1/2	1,082.74	1/2	821.62	1/2	560.68	1/2	296.69	1/2	33.64	1/2		1/2			
3/4	1,605.14	3/4	1,341.25	3/4	1,077.24	3/4	816.21	3/4	555.19	3/4	291.19	3/4	29.07	3/4		3/4			
3	1,599.64	3	1,335.75	3	1,071.74	3	810.80	3	549.69	3	285.69	3	24.49	3		3			
1/4	1,594.14	1/4	1,330.25	1/4	1,066.24	1/4	805.39	1/4	544.19	1/4	280.20	1/4	19.92	1/4		1/4			
1/2	1,588.65	1/2	1,324.75	1/2	1,060.74	1/2	799.98	1/2	538.69	1/2	274.70	1/2	15.34	1/2		1/2			
3/4	1,583.15	3/4	1,319.25	3/4	1,055.24	3/4	794.57	3/4	533.19	3/4	269.20	3/4	12.59	3/4		3/4			
4	1,577.65	4	1,313.75	4	1,049.74	4	789.16	4	527.69	4	263.70	4	9.84	4		4			
1/4	1,572.16	1/4	1,308.25	1/4	1,044.24	1/4	783.75	1/4	522.19	1/4	258.20	1/4	7.09	1/4		1/4			
1/2	1,566.66	1/2	1,302.75	1/2	1,038.74	1/2	778.34	1/2	516.69	1/2	252.70	1/2	4.35	1/2		1/2			
3/4	1,561.17	3/4	1,297.25	3/4	1,033.24	3/4	772.93	3/4	511.19	3/4	247.20	3/4	3.43	3/4		3/4			
5	1,555.67	5	1,291.75	5	1,027.74	5	767.52	5	505.69	5	241.70	5	2.51	5		5			
1/4	1,550.17	1/4	1,286.25	1/4	1,022.24	1/4	762.11	1/4	500.19	1/4	236.20	1/4	1.60	1/4		1/4			
1/2	1,544.68	1/2	1,280.75	1/2	1,016.74	1/2	756.70	1/2	494.69	1/2	230.70	1/2	0.68	1/2		1/2			
3/4	1,539.18	3/4	1,275.25	3/4	1,011.28	3/4	751.29	3/4	489.19	3/4	225.20	3/4		3/4		3/4			
6	1,533.68	6	1,269.75	6	1,005.82	6	745.88	6	483.69	6	219.70	6		6		6			
1/4	1,528.19	1/4	1,264.25	1/4	1,000.36	1/4	740.47	1/4	478.19	1/4	214.20	1/4		1/4		1/4			
1/2	1,522.69	1/2	1,258.75	1/2	994.90	1/2	735.06	1/2	472.69	1/2	208.70	1/2		1/2		1/2			
3/4	1,517.19	3/4	1,253.25	3/4	989.49	3/4	729.65	3/4	467.19	3/4	203.20	3/4		3/4		3/4			
7	1,511.70	7	1,247.75	7	984.07	7	724.24	7	461.69	7	197.70	7		7		7			
1/4	1,506.20	1/4	1,242.25	1/4	978.66	1/4	718.83	1/4	456.19	1/4	192.20	1/4		1/4		1/4			
1/2	1,500.70	1/2	1,236.75	1/2	973.24	1/2	713.42	1/2	450.69	1/2	186.70	1/2		1/2		1/2			
3/4	1,495.21	3/4	1,231.25	3/4	967.83	3/4	708.01	3/4	445.19	3/4	181.20	3/4		3/4		3/4			
8	1,489.71	8	1,225.75	8	962.41	8	702.60	8	439.69	8	175.70	8		8		8			
1/4	1,484.21	1/4	1,220.25	1/4	957.00	1/4	697.19	1/4	434.19	1/4	170.20	1/4		1/4		1/4			
1/2	1,478.72	1/2	1,214.75	1/2	951.58	1/2	691.78	1/2	428.69	1/2	164.70	1/2		1/2		1/2			
3/4	1,473.22	3/4	1,209.25	3/4	946.17	3/4	686.37	3/4	423.19	3/4	159.20	3/4		3/4		3/4			
9	1,467.72	9	1,203.75	9	940.75	9	680.96	9	417.69	9	153.70	9		9		9			
1/4	1,462.23	1/4	1,198.25	1/4	935.34	1/4	675.55	1/4	412.19	1/4	148.20	1/4		1/4		1/4			
1/2	1,456.73	1/2	1,192.74	1/2	929.92	1/2	670.14	1/2	406.69	1/2	142.70	1/2		1/2		1/2			
3/4	1,451.23	3/4	1,187.24	3/4	924.51	3/4	664.73	3/4	401.19	3/4	137.21	3/4		3/4		3/4			
10	1,445.74	10	1,181.74	10	919.09	10	659.32	10	395.69	10	131.71	10		10		10			
1/4	1,440.24	1/4	1,176.24	1/4	913.68	1/4	653.91	1/4	390.19	1/4	126.22	1/4		1/4		1/4			
1/2	1,434.74	1/2	1,170.74	1/2	908.26	1/2	648.51	1/2	384.69	1/2	120.73	1/2		1/2		1/2			
3/4	1,429.25	3/4	1,165.24	3/4	902.85	3/4	643.05	3/4	379.19	3/4	115.24	3/4		3/4		3/4			
11	1,423.75	11	1,159.74	11	897.43	11	637.69	11	373.69	11	109.76	11		11		11			
1/4	1,418.25	1/4	1,154.24	1/4	892.02	1/4	632.14	1/4	368.19	1/4	104.28	1/4		1/4		1/4			
1/2	1,412.76	1/2	1,148.74	1/2	886.60	1/2	626.68	1/2	362.69	1/2	98.79	1/2		1/2		1/2			
3/4	1,407.26	3/4	1,143.24	3/4	881.19	3/4	621.18	3/4	357.19	3/4	93.33	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/09/2010 CL - SW  
CALCULATED: 09/09/2010 CL  
PRINTED: 09/09/2010 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2010

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77568  
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# BARGE "KIRBY 10219"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	3,467.35	0	3,217.28	0	2,956.55	0	2,695.82	0	2,434.52	0	2,172.39	0	1,910.27		
1/4		1/4		1/4		1/4	3,463.71	1/4	3,211.85	1/4	2,951.12	1/4	2,690.39	1/4	2,429.06	1/4	2,166.93	1/4	1,904.81		
1/2		1/2		1/2		1/2	3,460.06	1/2	3,206.41	1/2	2,945.69	1/2	2,684.96	1/2	2,423.59	1/2	2,161.47	1/2	1,899.35		
3/4		3/4		3/4		3/4	3,456.42	3/4	3,200.98	3/4	2,940.26	3/4	2,679.53	3/4	2,418.13	3/4	2,156.01	3/4	1,893.89		
1		1		1		1	3,452.78	1	3,195.55	1	2,934.82	1	2,674.10	1	2,412.67	1	2,150.55	1	1,888.43		
1/4		1/4		1/4		1/4	3,447.70	1/4	3,190.12	1/4	2,929.39	1/4	2,668.67	1/4	2,407.21	1/4	2,145.09	1/4	1,882.97		
1/2		1/2		1/2		1/2	3,442.62	1/2	3,184.69	1/2	2,923.96	1/2	2,663.23	1/2	2,401.75	1/2	2,139.63	1/2	1,877.50		
3/4		3/4		3/4		3/4	3,437.54	3/4	3,179.25	3/4	2,918.53	3/4	2,657.80	3/4	2,396.29	3/4	2,134.17	3/4	1,872.04		
2		2		2		2	3,432.46	2	3,173.82	2	2,913.10	2	2,652.37	2	2,390.83	2	2,128.71	2	1,866.58		
1/4		1/4		1/4		1/4	3,427.15	1/4	3,168.39	1/4	2,907.66	1/4	2,646.94	1/4	2,385.37	1/4	2,123.24	1/4	1,861.12		
1/2		1/2		1/2		1/2	3,421.84	1/2	3,162.96	1/2	2,902.23	1/2	2,641.51	1/2	2,379.91	1/2	2,117.78	1/2	1,855.66		
3/4		3/4		3/4		3/4	3,416.53	3/4	3,157.53	3/4	2,896.80	3/4	2,636.07	3/4	2,374.45	3/4	2,112.32	3/4	1,850.20		
3		3		3		3	3,411.22	3	3,152.10	3	2,891.37	3	2,630.64	3	2,368.99	3	2,106.86	3	1,844.74		
1/4		1/4		1/4		1/4	3,405.89	1/4	3,146.66	1/4	2,885.94	1/4	2,625.21	1/4	2,363.52	1/4	2,101.40	1/4	1,839.28		
1/2		1/2		1/2		1/2	3,400.56	1/2	3,141.23	1/2	2,880.51	1/2	2,619.78	1/2	2,358.06	1/2	2,095.94	1/2	1,833.82		
3/4		3/4		3/4		3/4	3,395.24	3/4	3,135.80	3/4	2,875.07	3/4	2,614.35	3/4	2,352.60	3/4	2,090.48	3/4	1,828.36		
4		4		4		4	3,389.91	4	3,130.37	4	2,869.64	4	2,608.92	4	2,347.14	4	2,085.02	4	1,822.90		
1/4		1/4		1/4		1/4	3,384.57	1/4	3,124.94	1/4	2,864.21	1/4	2,603.48	1/4	2,341.68	1/4	2,079.56	1/4	1,817.43		
1/2		1/2		1/2		1/2	3,379.24	1/2	3,119.50	1/2	2,858.78	1/2	2,598.05	1/2	2,336.22	1/2	2,074.10	1/2	1,811.97		
3/4		3/4		3/4		3/4	3,373.90	3/4	3,114.07	3/4	2,853.35	3/4	2,592.62	3/4	2,330.76	3/4	2,068.64	3/4	1,806.51		
5		5		5		5	3,368.57	5	3,108.64	5	2,847.91	5	2,587.19	5	2,325.30	5	2,063.17	5	1,801.05		
1/4		1/4		1/4		1/4	3,363.23	1/4	3,103.21	1/4	2,842.48	1/4	2,581.76	1/4	2,319.84	1/4	2,057.71	1/4	1,795.59		
1/2		1/2		1/2		1/2	3,357.90	1/2	3,097.78	1/2	2,837.05	1/2	2,576.32	1/2	2,314.38	1/2	2,052.25	1/2	1,790.13		
3/4		3/4		3/4		3/4	3,352.57	3/4	3,092.35	3/4	2,831.62	3/4	2,570.89	3/4	2,308.92	3/4	2,046.79	3/4	1,784.67		
6		6		6		6	3,347.24	6	3,086.91	6	2,826.19	6	2,565.46	6	2,303.45	6	2,041.33	6	1,779.21		
1/4		1/4		1/4		1/4	3,341.91	1/4	3,081.48	1/4	2,820.76	1/4	2,560.03	1/4	2,297.99	1/4	2,035.87	1/4	1,773.75		
1/2		1/2		1/2		1/2	3,336.58	1/2	3,076.05	1/2	2,815.32	1/2	2,554.60	1/2	2,292.53	1/2	2,030.41	1/2	1,768.29		
3/4		3/4		3/4		3/4	3,331.24	3/4	3,070.62	3/4	2,809.89	3/4	2,549.17	3/4	2,287.07	3/4	2,024.95	3/4	1,762.83		
7		7		7		7	3,325.91	7	3,065.19	7	2,804.46	7	2,543.73	7	2,281.61	7	2,019.49	7	1,757.36		
1/4		1/4		1/4		1/4	3,320.48	1/4	3,059.75	1/4	2,799.03	1/4	2,538.27	1/4	2,276.15	1/4	2,014.03	1/4	1,751.90		
1/2		1/2		1/2		1/2	3,315.05	1/2	3,054.32	1/2	2,793.60	1/2	2,532.81	1/2	2,270.69	1/2	2,008.57	1/2	1,746.44		
3/4		3/4		3/4		3/4	3,309.62	3/4	3,048.89	3/4	2,788.16	3/4	2,527.35	3/4	2,265.23	3/4	2,003.10	3/4	1,740.98		
8		8		8		8	3,304.19	8	3,043.46	8	2,782.73	8	2,521.89	8	2,259.77	8	1,997.64	8	1,735.52		
1/4		1/4		1/4		1/4	3,298.75	1/4	3,038.03	1/4	2,777.30	1/4	2,516.43	1/4	2,254.31	1/4	1,992.18	1/4	1,730.06		
1/2		1/2		1/2		1/2	3,293.32	1/2	3,032.60	1/2	2,771.87	1/2	2,510.97	1/2	2,248.85	1/2	1,986.72	1/2	1,724.60		
3/4		3/4		3/4		3/4	3,287.89	3/4	3,027.16	3/4	2,766.44	3/4	2,505.51	3/4	2,243.38	3/4	1,981.26	3/4	1,719.14		
9		9		9		9	3,282.46	9	3,021.73	9	2,761.01	9	2,500.05	9	2,237.92	9	1,975.80	9	1,713.68		
1/4		1/4		1/4		1/4	3,277.03	1/4	3,016.30	1/4	2,755.57	1/4	2,494.59	1/4	2,232.46	1/4	1,970.34	1/4	1,708.22		
1/2		1/2		1/2		1/2	3,271.60	1/2	3,010.87	1/2	2,750.14	1/2	2,489.12	1/2	2,227.00	1/2	1,964.88	1/2	1,702.76		
3/4		3/4		3/4		3/4	3,266.16	3/4	3,005.44	3/4	2,744.71	3/4	2,483.66	3/4	2,221.54	3/4	1,959.42	3/4	1,697.29		
10		10		10		10	3,260.73	10	3,000.01	10	2,739.28	10	2,478.20	10	2,216.08	10	1,953.96	10	1,691.83		
1/4		1/4		1/4		1/4	3,255.30	1/4	2,994.57	1/4	2,733.85	1/4	2,472.74	1/4	2,210.62	1/4	1,948.50	1/4	1,686.37		
1/2		1/2		1/2		1/2	3,475.55	1/2	3,249.87	1/2	2,989.14	1/2	2,728.42	1/2	2,467.28	1/2	2,205.16	1/2	1,943.03	1/2	1,680.91
3/4		3/4		3/4		3/4	3,475.09	3/4	3,244.44	3/4	2,983.71	3/4	2,722.98	3/4	2,461.82	3/4	2,199.70	3/4	1,937.57	3/4	1,675.45
11		11		11		11	3,474.64	11	3,239.00	11	2,978.28	11	2,717.55	11	2,456.36	11	2,194.24	11	1,932.11	11	1,669.99
1/4		1/4		1/4		1/4	3,472.81	1/4	3,233.57	1/4	2,972.85	1/4	2,712.12	1/4	2,450.90	1/4	2,188.78	1/4	1,926.65	1/4	1,664.53
1/2		1/2		1/2		1/2	3,470.99	1/2	3,228.14	1/2	2,967.41	1/2	2,706.69	1/2	2,445.44	1/2	2,183.31	1/2	1,921.19	1/2	1,659.07
3/4		3/4		3/4		3/4	3,469.17	3/4	3,222.71	3/4	2,961.98	3/4	2,701.26	3/4	2,439.98	3/4	2,177.85	3/4	1,915.73	3/4	1,653.61

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'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77568  
<http://www.pmacorp.net>



# BARGE "KIRBY 10219"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	1,648.15	0	1,386.01	0	1,123.71	0	862.43	0	600.76	0	338.49	0	76.44	0		0			
1/4	1,642.69	1/4	1,380.54	1/4	1,118.24	1/4	857.01	1/4	595.30	1/4	333.02	1/4	71.04	1/4		1/4			
1/2	1,637.22	1/2	1,375.08	1/2	1,112.78	1/2	851.58	1/2	589.83	1/2	327.56	1/2	65.64	1/2		1/2			
3/4	1,631.76	3/4	1,369.61	3/4	1,107.31	3/4	846.15	3/4	584.37	3/4	322.09	3/4	60.24	3/4		3/4			
1	1,626.30	1	1,364.15	1	1,101.85	1	840.72	1	578.91	1	316.63	1	54.84	1		1			
1/4	1,620.84	1/4	1,358.69	1/4	1,096.38	1/4	835.29	1/4	573.44	1/4	311.17	1/4	49.48	1/4		1/4			
1/2	1,615.38	1/2	1,353.22	1/2	1,090.92	1/2	829.87	1/2	567.98	1/2	305.70	1/2	44.13	1/2		1/2			
3/4	1,609.92	3/4	1,347.76	3/4	1,085.46	3/4	824.44	3/4	562.51	3/4	300.24	3/4	38.78	3/4		3/4			
2	1,604.46	2	1,342.29	2	1,079.99	2	819.01	2	557.05	2	294.77	2	33.43	2		2			
1/4	1,599.00	1/4	1,336.83	1/4	1,074.53	1/4	813.59	1/4	551.59	1/4	289.31	1/4	28.89	1/4		1/4			
1/2	1,593.54	1/2	1,331.36	1/2	1,069.06	1/2	808.17	1/2	546.12	1/2	283.84	1/2	24.34	1/2		1/2			
3/4	1,588.08	3/4	1,325.90	3/4	1,063.60	3/4	802.74	3/4	540.66	3/4	278.38	3/4	19.80	3/4		3/4			
3	1,582.62	3	1,320.43	3	1,058.13	3	797.32	3	535.19	3	272.92	3	15.25	3		3			
1/4	1,577.15	1/4	1,314.97	1/4	1,052.67	1/4	791.86	1/4	529.73	1/4	267.45	1/4	12.52	1/4		1/4			
1/2	1,571.69	1/2	1,309.50	1/2	1,047.20	1/2	786.40	1/2	524.27	1/2	261.99	1/2	9.79	1/2		1/2			
3/4	1,566.23	3/4	1,304.04	3/4	1,041.74	3/4	780.94	3/4	518.80	3/4	256.52	3/4	7.05	3/4		3/4			
4	1,560.77	4	1,298.57	4	1,036.27	4	775.48	4	513.34	4	251.06	4	4.32	4		4			
1/4	1,555.31	1/4	1,293.11	1/4	1,030.81	1/4	770.02	1/4	507.87	1/4	245.60	1/4	3.41	1/4		1/4			
1/2	1,549.85	1/2	1,287.65	1/2	1,025.34	1/2	764.57	1/2	502.41	1/2	240.13	1/2	2.50	1/2		1/2			
3/4	1,544.39	3/4	1,282.18	3/4	1,019.88	3/4	759.11	3/4	496.94	3/4	234.67	3/4	1.59	3/4		3/4			
5	1,538.93	5	1,276.72	5	1,014.42	5	753.65	5	491.48	5	229.20	5	0.68	5		5			
1/4	1,533.47	1/4	1,271.25	1/4	1,008.99	1/4	748.19	1/4	486.02	1/4	223.74	1/4		1/4		1/4			
1/2	1,528.01	1/2	1,265.79	1/2	1,003.56	1/2	742.73	1/2	480.55	1/2	218.28	1/2		1/2		1/2			
3/4	1,522.55	3/4	1,260.32	3/4	998.13	3/4	737.27	3/4	475.09	3/4	212.81	3/4		3/4		3/4			
6	1,517.08	6	1,254.86	6	992.70	6	731.81	6	469.62	6	207.35	6		6		6			
1/4	1,511.62	1/4	1,249.39	1/4	987.28	1/4	726.35	1/4	464.16	1/4	201.88	1/4		1/4		1/4			
1/2	1,506.16	1/2	1,243.93	1/2	981.85	1/2	720.89	1/2	458.70	1/2	196.42	1/2		1/2		1/2			
3/4	1,500.70	3/4	1,238.46	3/4	976.42	3/4	715.43	3/4	453.23	3/4	190.96	3/4		3/4		3/4			
7	1,495.24	7	1,233.00	7	970.99	7	709.97	7	447.77	7	185.49	7		7		7			
1/4	1,489.78	1/4	1,227.53	1/4	965.56	1/4	704.52	1/4	442.30	1/4	180.03	1/4		1/4		1/4			
1/2	1,484.32	1/2	1,222.07	1/2	960.14	1/2	699.06	1/2	436.84	1/2	174.56	1/2		1/2		1/2			
3/4	1,478.86	3/4	1,216.61	3/4	954.71	3/4	693.60	3/4	431.38	3/4	169.10	3/4		3/4		3/4			
8	1,473.40	8	1,211.14	8	949.28	8	688.14	8	425.91	8	163.63	8		8		8			
1/4	1,467.94	1/4	1,205.68	1/4	943.85	1/4	682.68	1/4	420.45	1/4	158.17	1/4		1/4		1/4			
1/2	1,462.48	1/2	1,200.21	1/2	938.42	1/2	677.22	1/2	414.98	1/2	152.71	1/2		1/2		1/2			
3/4	1,457.01	3/4	1,194.75	3/4	933.00	3/4	671.76	3/4	409.52	3/4	147.24	3/4		3/4		3/4			
9	1,451.55	9	1,189.28	9	927.57	9	666.30	9	404.06	9	141.78	9		9		9			
1/4	1,446.09	1/4	1,183.82	1/4	922.14	1/4	660.84	1/4	398.59	1/4	136.32	1/4		1/4		1/4			
1/2	1,440.63	1/2	1,178.35	1/2	916.71	1/2	655.39	1/2	393.13	1/2	130.86	1/2		1/2		1/2			
3/4	1,435.17	3/4	1,172.89	3/4	911.29	3/4	649.93	3/4	387.66	3/4	125.41	3/4		3/4		3/4			
10	1,429.71	10	1,167.42	10	905.86	10	644.47	10	382.20	10	119.95	10		10		10			
1/4	1,424.25	1/4	1,161.96	1/4	900.43	1/4	639.01	1/4	376.73	1/4	114.50	1/4		1/4		1/4			
1/2	1,418.79	1/2	1,156.50	1/2	895.00	1/2	633.54	1/2	371.27	1/2	109.05	1/2		1/2		1/2			
3/4	1,413.33	3/4	1,151.03	3/4	889.57	3/4	628.08	3/4	365.81	3/4	103.60	3/4		3/4		3/4			
11	1,407.87	11	1,145.57	11	884.15	11	622.62	11	360.34	11	98.16	11		11		11			
1/4	1,402.40	1/4	1,140.10	1/4	878.72	1/4	617.15	1/4	354.88	1/4	92.73	1/4		1/4		1/4			
1/2	1,396.94	1/2	1,134.64	1/2	873.29	1/2	611.69	1/2	349.41	1/2	87.30	1/2		1/2		1/2			
3/4	1,391.47	3/4	1,129.17	3/4	867.86	3/4	606.23	3/4	343.95	3/4	81.87	3/4		3/4		3/4			

STRAPPED: 09/09/2010 CL - SW  
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