



# BARGE "KIRBY 10539"

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

July 11, 2012

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

<http://www.pmacorp.net>



# BARGE "KIRBY 10539"

## 1 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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	3,759.19	0	3,521.48	0	3,268.65	0	3,015.82	0	2,752.01	0	2,456.40	0	2,160.19		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,756.09	1/4	3,516.21	1/4	3,263.38	1/4	3,010.56	1/4	2,745.86	1/4	2,450.23	1/4	2,154.02		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,752.99	1/2	3,510.94	1/2	3,258.12	1/2	3,005.29	1/2	2,739.71	1/2	2,444.06	1/2	2,147.85		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,749.89	3/4	3,505.67	3/4	3,252.85	3/4	3,000.02	3/4	2,733.55	3/4	2,437.89	3/4	2,141.68		
1		1		1		1	3,746.80	1	3,500.41	1	3,247.58	1	2,994.76	1	2,727.40	1	2,431.72	1	2,135.51		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,742.65	1/4	3,495.14	1/4	3,242.31	1/4	2,989.49	1/4	2,721.25	1/4	2,425.55	1/4	2,129.34		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,738.50	1/2	3,489.87	1/2	3,237.05	1/2	2,984.22	1/2	2,715.10	1/2	2,419.38	1/2	2,123.17		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,734.35	3/4	3,484.60	3/4	3,231.78	3/4	2,978.95	3/4	2,708.95	3/4	2,413.20	3/4	2,117.00		
2		2		2		2	3,730.20	2	3,479.34	2	3,226.51	2	2,973.69	2	2,702.79	2	2,407.03	2	2,110.83		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,725.07	1/4	3,474.07	1/4	3,221.24	1/4	2,968.42	1/4	2,696.64	1/4	2,400.86	1/4	2,104.65		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,719.94	1/2	3,468.80	1/2	3,215.98	1/2	2,963.15	1/2	2,690.49	1/2	2,394.69	1/2	2,098.48		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,714.80	3/4	3,463.54	3/4	3,210.71	3/4	2,957.88	3/4	2,684.34	3/4	2,388.52	3/4	2,092.31		
3		3		3		3	3,709.67	3	3,458.27	3	3,205.44	3	2,952.62	3	2,678.18	3	2,382.35	3	2,086.14		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,704.50	1/4	3,453.00	1/4	3,200.18	1/4	2,947.35	1/4	2,672.03	1/4	2,376.18	1/4	2,079.97		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,699.33	1/2	3,447.73	1/2	3,194.91	1/2	2,942.08	1/2	2,665.88	1/2	2,370.01	1/2	2,073.80		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,694.17	3/4	3,442.47	3/4	3,189.64	3/4	2,936.82	3/4	2,659.73	3/4	2,363.84	3/4	2,067.63		
4		4		4		4	3,689.00	4	3,437.20	4	3,184.37	4	2,931.55	4	2,653.57	4	2,357.67	4	2,061.46		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,683.81	1/4	3,431.93	1/4	3,179.11	1/4	2,926.28	1/4	2,647.42	1/4	2,351.49	1/4	2,055.29		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,678.63	1/2	3,426.67	1/2	3,173.84	1/2	2,921.01	1/2	2,641.27	1/2	2,345.32	1/2	2,049.12		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,673.45	3/4	3,421.40	3/4	3,168.57	3/4	2,915.75	3/4	2,635.12	3/4	2,339.15	3/4	2,042.94		
5		5		5		5	3,668.27	5	3,416.13	5	3,163.31	5	2,910.48	5	2,628.97	5	2,332.98	5	2,036.77		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,663.09	1/4	3,410.86	1/4	3,158.04	1/4	2,905.21	1/4	2,622.81	1/4	2,326.81	1/4	2,030.60		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,657.90	1/2	3,405.60	1/2	3,152.77	1/2	2,899.95	1/2	2,616.66	1/2	2,320.64	1/2	2,024.43		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,652.72	3/4	3,400.33	3/4	3,147.50	3/4	2,894.68	3/4	2,610.51	3/4	2,314.47	3/4	2,018.26		
6		6		6		6	3,647.54	6	3,395.06	6	3,142.24	6	2,889.41	6	2,604.36	6	2,308.30	6	2,012.09		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,642.36	1/4	3,389.80	1/4	3,136.97	1/4	2,884.14	1/4	2,598.20	1/4	2,302.13	1/4	2,005.92		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,637.18	1/2	3,384.53	1/2	3,131.70	1/2	2,878.88	1/2	2,592.05	1/2	2,295.96	1/2	1,999.75		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,632.00	3/4	3,379.26	3/4	3,126.44	3/4	2,873.61	3/4	2,585.90	3/4	2,289.78	3/4	1,993.58		
7		7		7		7	3,626.82	7	3,373.99	7	3,121.17	7	2,868.34	7	2,579.75	7	2,283.61	7	1,987.41		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,621.55	1/4	3,368.73	1/4	3,115.90	1/4	2,863.05	1/4	2,573.59	1/4	2,277.44	1/4	1,981.23		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,616.28	1/2	3,363.46	1/2	3,110.63	1/2	2,857.76	1/2	2,567.44	1/2	2,271.27	1/2	1,975.06		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,611.02	3/4	3,358.19	3/4	3,105.37	3/4	2,852.47	3/4	2,561.29	3/4	2,265.10	3/4	1,968.89		
8		8		8		8	3,605.75	8	3,352.92	8	3,100.10	8	2,847.17	8	2,555.14	8	2,258.93	8	1,962.72		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,600.48	1/4	3,347.66	1/4	3,094.83	1/4	2,841.88	1/4	2,548.97	1/4	2,252.76	1/4	1,956.55		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,595.22	1/2	3,342.39	1/2	3,089.56	1/2	2,836.59	1/2	2,542.80	1/2	2,246.59	1/2	1,950.38		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,589.95	3/4	3,337.12	3/4	3,084.30	3/4	2,831.30	3/4	2,536.62	3/4	2,240.42	3/4	1,944.21		
9		9		9		9	3,584.68	9	3,331.86	9	3,079.03	9	2,826.00	9	2,530.45	9	2,234.25	9	1,938.04		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,579.41	1/4	3,326.59	1/4	3,073.76	1/4	2,819.81	1/4	2,524.28	1/4	2,228.07	1/4	1,931.87		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,574.15	1/2	3,321.32	1/2	3,068.50	1/2	2,813.62	1/2	2,518.11	1/2	2,221.90	1/2	1,925.70		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,568.88	3/4	3,316.05	3/4	3,063.23	3/4	2,807.42	3/4	2,511.94	3/4	2,215.73	3/4	1,919.52		
10		10		10		10	3,563.61	10	3,310.79	10	3,057.96	10	2,801.23	10	2,505.77	10	2,209.56	10	1,913.35		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,558.35	1/4	3,305.52	1/4	3,052.69	1/4	2,795.08	1/4	2,499.60	1/4	2,203.39	1/4	1,907.18		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,553.08	1/2	3,300.25	1/2	3,047.43	1/2	2,788.92	1/2	2,493.43	1/2	2,197.22	1/2	1,901.01		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,547.81	3/4	3,294.99	3/4	3,042.16	3/4	2,782.77	3/4	2,487.26	3/4	2,191.05	3/4	1,894.84		
11		11		11		11	3,763.32	11	3,542.54	11	3,289.72	11	3,036.89	11	2,776.62	11	2,481.09	11	2,184.88	11	1,888.67
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,762.29	1/4	3,537.28	1/4	3,284.45	1/4	3,031.63	1/4	2,770.47	1/4	2,474.91	1/4	2,178.71	1/4	1,882.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,761.25	1/2	3,532.01	1/2	3,279.18	1/2	3,026.36	1/2	2,764.32	1/2	2,468.74	1/2	2,172.54	1/2	1,876.33
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,760.22	3/4	3,526.74	3/4	3,273.92	3/4	3,021.09	3/4	2,758.16	3/4	2,462.57	3/4	2,166.36	3/4	1,870.16

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.

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 10539"

## 1 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	1,863.99	0	1,567.51	0	1,270.89	0	974.27	0	683.73	0	386.92	0	90.21	0		0		0	
1/4	1,857.81	1/4	1,561.33	1/4	1,264.71	1/4	968.15	1/4	677.55	1/4	380.73	1/4	84.09	1/4	1/4	1/4		1/4	
1/2	1,851.64	1/2	1,555.15	1/2	1,258.53	1/2	962.04	1/2	671.37	1/2	374.55	1/2	77.96	1/2	1/2	1/2		1/2	
3/4	1,845.47	3/4	1,548.97	3/4	1,252.35	3/4	955.92	3/4	665.19	3/4	368.36	3/4	71.84	3/4	3/4	3/4		3/4	
1	1,839.30	1	1,542.79	1	1,246.17	1	949.80	1	659.00	1	362.18	1	65.71	1	1	1		1	
1/4	1,833.13	1/4	1,536.61	1/4	1,239.99	1/4	943.75	1/4	652.82	1/4	356.00	1/4	59.65	1/4	1/4	1/4		1/4	
1/2	1,826.96	1/2	1,530.43	1/2	1,233.81	1/2	937.70	1/2	646.64	1/2	349.81	1/2	53.58	1/2	1/2	1/2		1/2	
3/4	1,820.79	3/4	1,524.26	3/4	1,227.63	3/4	931.64	3/4	640.45	3/4	343.63	3/4	47.51	3/4	3/4	3/4		3/4	
2	1,814.62	2	1,518.08	2	1,221.45	2	925.59	2	634.27	2	337.44	2	41.44	2	2	2		2	
1/4	1,808.44	1/4	1,511.90	1/4	1,215.28	1/4	919.54	1/4	628.09	1/4	331.26	1/4	36.29	1/4	1/4	1/4		1/4	
1/2	1,802.26	1/2	1,505.72	1/2	1,209.10	1/2	913.48	1/2	621.90	1/2	325.08	1/2	31.14	1/2	1/2	1/2		1/2	
3/4	1,796.08	3/4	1,499.54	3/4	1,202.92	3/4	907.43	3/4	615.72	3/4	318.89	3/4	25.98	3/4	3/4	3/4		3/4	
3	1,789.90	3	1,493.36	3	1,196.74	3	901.38	3	609.54	3	312.71	3	20.83	3	3	3		3	
1/4	1,783.72	1/4	1,487.18	1/4	1,190.56	1/4	895.34	1/4	603.35	1/4	306.53	1/4	17.73	1/4	1/4	1/4		1/4	
1/2	1,777.54	1/2	1,481.00	1/2	1,184.38	1/2	889.30	1/2	597.17	1/2	300.34	1/2	14.63	1/2	1/2	1/2		1/2	
3/4	1,771.36	3/4	1,474.82	3/4	1,178.20	3/4	883.27	3/4	590.98	3/4	294.16	3/4	11.54	3/4	3/4	3/4		3/4	
4	1,765.18	4	1,468.64	4	1,172.02	4	877.23	4	584.80	4	287.97	4	8.44	4	4	4		4	
1/4	1,759.00	1/4	1,462.46	1/4	1,165.84	1/4	871.21	1/4	578.62	1/4	281.79	1/4	7.41	1/4	1/4	1/4		1/4	
1/2	1,752.82	1/2	1,456.28	1/2	1,159.66	1/2	865.19	1/2	572.43	1/2	275.61	1/2	6.37	1/2	1/2	1/2		1/2	
3/4	1,746.64	3/4	1,450.10	3/4	1,153.48	3/4	859.17	3/4	566.25	3/4	269.42	3/4	5.34	3/4	3/4	3/4		3/4	
5	1,740.46	5	1,443.92	5	1,147.30	5	853.15	5	560.07	5	263.24	5	4.31	5	5	5		5	
1/4	1,734.29	1/4	1,437.74	1/4	1,141.12	1/4	847.13	1/4	553.88	1/4	257.05	1/4		1/4	1/4	1/4		1/4	
1/2	1,728.11	1/2	1,431.56	1/2	1,134.94	1/2	841.10	1/2	547.70	1/2	250.87	1/2		1/2	1/2	1/2		1/2	
3/4	1,721.93	3/4	1,425.38	3/4	1,128.76	3/4	835.08	3/4	541.51	3/4	244.69	3/4		3/4	3/4	3/4		3/4	
6	1,715.75	6	1,419.20	6	1,122.58	6	829.06	6	535.33	6	238.50	6		6	6	6		6	
1/4	1,709.58	1/4	1,413.02	1/4	1,116.40	1/4	823.04	1/4	529.15	1/4	232.32	1/4		1/4	1/4	1/4		1/4	
1/2	1,703.40	1/2	1,406.84	1/2	1,110.22	1/2	817.02	1/2	522.96	1/2	226.13	1/2		1/2	1/2	1/2		1/2	
3/4	1,697.22	3/4	1,400.66	3/4	1,104.04	3/4	811.00	3/4	516.78	3/4	219.95	3/4		3/4	3/4	3/4		3/4	
7	1,691.05	7	1,394.48	7	1,097.86	7	804.98	7	510.59	7	213.77	7		7	7	7		7	
1/4	1,684.87	1/4	1,388.30	1/4	1,091.68	1/4	798.96	1/4	504.41	1/4	207.58	1/4		1/4	1/4	1/4		1/4	
1/2	1,678.70	1/2	1,382.12	1/2	1,085.50	1/2	792.94	1/2	498.23	1/2	201.40	1/2		1/2	1/2	1/2		1/2	
3/4	1,672.52	3/4	1,375.94	3/4	1,079.32	3/4	786.92	3/4	492.04	3/4	195.22	3/4		3/4	3/4	3/4		3/4	
8	1,666.34	8	1,369.77	8	1,073.14	8	780.90	8	485.86	8	189.03	8		8	8	8		8	
1/4	1,660.17	1/4	1,363.59	1/4	1,066.96	1/4	774.88	1/4	479.67	1/4	182.85	1/4		1/4	1/4	1/4		1/4	
1/2	1,653.99	1/2	1,357.41	1/2	1,060.79	1/2	768.86	1/2	473.49	1/2	176.66	1/2		1/2	1/2	1/2		1/2	
3/4	1,647.82	3/4	1,351.23	3/4	1,054.61	3/4	762.84	3/4	467.31	3/4	170.48	3/4		3/4	3/4	3/4		3/4	
9	1,641.64	9	1,345.05	9	1,048.43	9	756.82	9	461.12	9	164.30	9		9	9	9		9	
1/4	1,635.46	1/4	1,338.87	1/4	1,042.25	1/4	750.80	1/4	454.94	1/4	158.11	1/4		1/4	1/4	1/4		1/4	
1/2	1,629.29	1/2	1,332.69	1/2	1,036.07	1/2	744.78	1/2	448.75	1/2	151.92	1/2		1/2	1/2	1/2		1/2	
3/4	1,623.11	3/4	1,326.51	3/4	1,029.89	3/4	738.75	3/4	442.57	3/4	145.73	3/4		3/4	3/4	3/4		3/4	
10	1,616.94	10	1,320.33	10	1,023.71	10	732.73	10	436.39	10	139.54	10		10	10	10		10	
1/4	1,610.76	1/4	1,314.15	1/4	1,017.53	1/4	726.65	1/4	430.20	1/4	133.37	1/4		1/4	1/4	1/4		1/4	
1/2	1,604.58	1/2	1,307.97	1/2	1,011.35	1/2	720.57	1/2	424.02	1/2	127.19	1/2		1/2	1/2	1/2		1/2	
3/4	1,598.41	3/4	1,301.79	3/4	1,005.17	3/4	714.48	3/4	417.84	3/4	121.01	3/4		3/4	3/4	3/4		3/4	
11	1,592.23	11	1,295.61	11	998.99	11	708.40	11	411.65	11	114.83	11		11	11	11		11	
1/4	1,586.05	1/4	1,289.43	1/4	992.81	1/4	702.23	1/4	405.47	1/4	108.68	1/4		1/4	1/4	1/4		1/4	
1/2	1,579.87	1/2	1,283.25	1/2	986.63	1/2	696.07	1/2	399.28	1/2	102.52	1/2		1/2	1/2	1/2		1/2	
3/4	1,573.69	3/4	1,277.07	3/4	980.45	3/4	689.90	3/4	393.10	3/4	96.37	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/11/2012 CL - SW  
CALCULATED: 07/11/2012 CL  
PRINTED: 07/11/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2012

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



# BARGE "KIRBY 10539"

## 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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	3,471.89	0	3,236.28	0	2,974.55	0	2,712.81	0	2,450.55	0	2,187.42	0	1,924.28		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,470.98	1/4	3,230.83	1/4	2,969.09	1/4	2,707.36	1/4	2,445.07	1/4	2,181.93	1/4	1,918.80		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,470.06	1/2	3,225.38	1/2	2,963.64	1/2	2,701.91	1/2	2,439.59	1/2	2,176.45	1/2	1,913.32		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,467.32	3/4	3,219.92	3/4	2,958.19	3/4	2,696.45	3/4	2,434.11	3/4	2,170.97	3/4	1,907.83		
1		1		1		1	3,464.58	1	3,214.47	1	2,952.74	1	2,691.00	1	2,428.62	1	2,165.49	1	1,902.35		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,461.83	1/4	3,209.02	1/4	2,947.28	1/4	2,685.55	1/4	2,423.14	1/4	2,160.01	1/4	1,896.87		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,459.09	1/2	3,203.56	1/2	2,941.83	1/2	2,680.10	1/2	2,417.66	1/2	2,154.52	1/2	1,891.39		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,454.65	3/4	3,198.11	3/4	2,936.38	3/4	2,674.64	3/4	2,412.18	3/4	2,149.04	3/4	1,885.91		
2		2		2		2	3,450.21	2	3,192.66	2	2,930.92	2	2,669.19	2	2,406.70	2	2,143.56	2	1,880.42		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,445.77	1/4	3,187.21	1/4	2,925.47	1/4	2,663.74	1/4	2,401.21	1/4	2,138.08	1/4	1,874.94		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,441.33	1/2	3,181.75	1/2	2,920.02	1/2	2,658.28	1/2	2,395.73	1/2	2,132.60	1/2	1,869.46		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,436.01	3/4	3,176.30	3/4	2,914.57	3/4	2,652.83	3/4	2,390.25	3/4	2,127.11	3/4	1,863.98		
3		3		3		3	3,430.70	3	3,170.85	3	2,909.11	3	2,647.38	3	2,384.77	3	2,121.63	3	1,858.50		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,425.38	1/4	3,165.39	1/4	2,903.66	1/4	2,641.93	1/4	2,379.29	1/4	2,116.15	1/4	1,853.01		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,420.07	1/2	3,159.94	1/2	2,898.21	1/2	2,636.47	1/2	2,373.80	1/2	2,110.67	1/2	1,847.53		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,414.73	3/4	3,154.49	3/4	2,892.75	3/4	2,631.02	3/4	2,368.32	3/4	2,105.19	3/4	1,842.05		
4		4		4		4	3,409.38	4	3,149.04	4	2,887.30	4	2,625.57	4	2,362.84	4	2,099.70	4	1,836.57		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,404.04	1/4	3,143.58	1/4	2,881.85	1/4	2,620.11	1/4	2,357.36	1/4	2,094.22	1/4	1,831.09		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,398.69	1/2	3,138.13	1/2	2,876.40	1/2	2,614.66	1/2	2,351.88	1/2	2,088.74	1/2	1,825.60		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,393.34	3/4	3,132.68	3/4	2,870.94	3/4	2,609.21	3/4	2,346.39	3/4	2,083.26	3/4	1,820.12		
5		5		5		5	3,387.98	5	3,127.23	5	2,865.49	5	2,603.76	5	2,340.91	5	2,077.78	5	1,814.64		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,382.62	1/4	3,121.77	1/4	2,860.04	1/4	2,598.30	1/4	2,335.43	1/4	2,072.29	1/4	1,809.16		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,377.27	1/2	3,116.32	1/2	2,854.59	1/2	2,592.85	1/2	2,329.95	1/2	2,066.81	1/2	1,803.68		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,371.91	3/4	3,110.87	3/4	2,849.13	3/4	2,587.40	3/4	2,324.47	3/4	2,061.33	3/4	1,798.19		
6		6		6		6	3,366.56	6	3,105.41	6	2,843.68	6	2,581.95	6	2,318.98	6	2,055.85	6	1,792.71		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,361.20	1/4	3,099.96	1/4	2,838.23	1/4	2,576.49	1/4	2,313.50	1/4	2,050.37	1/4	1,787.23		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,355.85	1/2	3,094.51	1/2	2,832.77	1/2	2,571.04	1/2	2,308.02	1/2	2,044.88	1/2	1,781.75		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,350.49	3/4	3,089.06	3/4	2,827.32	3/4	2,565.59	3/4	2,302.54	3/4	2,039.40	3/4	1,776.27		
7		7		7		7	3,345.14	7	3,083.60	7	2,821.87	7	2,560.13	7	2,297.06	7	2,033.92	7	1,770.78		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,339.79	1/4	3,078.15	1/4	2,816.42	1/4	2,554.68	1/4	2,291.57	1/4	2,028.44	1/4	1,765.30		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,334.43	1/2	3,072.70	1/2	2,810.96	1/2	2,549.23	1/2	2,286.09	1/2	2,022.96	1/2	1,759.82		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,328.98	3/4	3,067.24	3/4	2,805.51	3/4	2,543.75	3/4	2,280.61	3/4	2,017.47	3/4	1,754.34		
8		8		8		8	3,323.53	8	3,061.79	8	2,800.06	8	2,538.26	8	2,275.13	8	2,011.99	8	1,748.86		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,318.07	1/4	3,056.34	1/4	2,794.60	1/4	2,532.78	1/4	2,269.65	1/4	2,006.51	1/4	1,743.37		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,312.62	1/2	3,050.89	1/2	2,789.15	1/2	2,527.30	1/2	2,264.16	1/2	2,001.03	1/2	1,737.89		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,307.17	3/4	3,045.43	3/4	2,783.70	3/4	2,521.82	3/4	2,258.68	3/4	1,995.55	3/4	1,732.41		
9		9		9		9	3,301.71	9	3,039.98	9	2,778.25	9	2,516.34	9	2,253.20	9	1,990.06	9	1,726.93		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,296.26	1/4	3,034.53	1/4	2,772.79	1/4	2,510.85	1/4	2,247.72	1/4	1,984.58	1/4	1,721.45		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,290.81	1/2	3,029.07	1/2	2,767.34	1/2	2,505.37	1/2	2,242.24	1/2	1,979.10	1/2	1,715.96		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,285.36	3/4	3,023.62	3/4	2,761.89	3/4	2,499.89	3/4	2,236.75	3/4	1,973.62	3/4	1,710.48		
10		10		10		10	3,279.90	10	3,018.17	10	2,756.43	10	2,494.41	10	2,231.27	10	1,968.14	10	1,705.00		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,274.45	1/4	3,012.72	1/4	2,750.98	1/4	2,488.93	1/4	2,225.79	1/4	1,962.65	1/4	1,699.52		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,269.00	1/2	3,007.26	1/2	2,745.53	1/2	2,483.44	1/2	2,220.31	1/2	1,957.17	1/2	1,694.04		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,263.55	3/4	3,001.81	3/4	2,740.08	3/4	2,477.96	3/4	2,214.83	3/4	1,951.69	3/4	1,688.55		
11		11		11		11	3,258.09	11	2,996.36	11	2,734.62	11	2,472.48	11	2,209.34	11	1,946.21	11	1,683.07		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,252.64	1/4	2,990.91	1/4	2,729.17	1/4	2,467.00	1/4	2,203.86	1/4	1,940.73	1/4	1,677.59		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,473.72	1/2	3,247.19	1/2	2,985.45	1/2	2,723.72	1/2	2,461.52	1/2	2,198.38	1/2	1,935.24	1/2	1,672.11
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,472.80	3/4	3,241.73	3/4	2,980.00	3/4	2,718.27	3/4	2,456.03	3/4	2,192.90	3/4	1,929.76	3/4	1,666.63

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 77588  
<http://www.pmacorp.net>



# BARGE "KIRBY 10539"

## 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	1,661.14	0	1,398.00	0	1,134.70	0	873.43	0	614.04	0	350.75	0	87.63	0		0		0	
1/4	1,655.66	1/4	1,392.52	1/4	1,129.21	1/4	868.03	1/4	608.55	1/4	345.27	1/4	82.18	1/4	1/4	1/4		1/4	1/4
1/2	1,650.18	1/2	1,387.03	1/2	1,123.73	1/2	862.63	1/2	603.07	1/2	339.78	1/2	76.73	1/2	1/2	1/2		1/2	1/2
3/4	1,644.70	3/4	1,381.54	3/4	1,118.24	3/4	857.23	3/4	597.58	3/4	334.30	3/4	71.31	3/4	3/4	3/4		3/4	3/4
1	1,639.22	1	1,376.06	1	1,112.76	1	851.83	1	592.10	1	328.81	1	65.89	1	1	1		1	1
1/4	1,633.73	1/4	1,370.57	1/4	1,107.27	1/4	846.42	1/4	586.61	1/4	323.33	1/4	60.46	1/4	1/4	1/4		1/4	1/4
1/2	1,628.25	1/2	1,365.09	1/2	1,101.78	1/2	841.02	1/2	581.13	1/2	317.84	1/2	55.04	1/2	1/2	1/2		1/2	1/2
3/4	1,622.77	3/4	1,359.60	3/4	1,096.30	3/4	835.62	3/4	575.64	3/4	312.36	3/4	49.67	3/4	3/4	3/4		3/4	3/4
2	1,617.29	2	1,354.12	2	1,090.81	2	830.22	2	570.16	2	306.87	2	44.30	2	2	2		2	2
1/4	1,611.81	1/4	1,348.63	1/4	1,085.33	1/4	824.82	1/4	564.67	1/4	301.39	1/4	38.93	1/4	1/4	1/4		1/4	1/4
1/2	1,606.32	1/2	1,343.15	1/2	1,079.84	1/2	819.42	1/2	559.19	1/2	295.90	1/2	33.56	1/2	1/2	1/2		1/2	1/2
3/4	1,600.84	3/4	1,337.66	3/4	1,074.36	3/4	814.03	3/4	553.70	3/4	290.42	3/4	28.99	3/4	3/4	3/4		3/4	3/4
3	1,595.36	3	1,332.18	3	1,068.87	3	808.63	3	548.22	3	284.93	3	24.43	3	3	3		3	3
1/4	1,589.88	1/4	1,326.69	1/4	1,063.39	1/4	803.24	1/4	542.73	1/4	279.45	1/4	19.87	1/4	1/4	1/4		1/4	1/4
1/2	1,584.40	1/2	1,321.20	1/2	1,057.90	1/2	797.84	1/2	537.25	1/2	273.96	1/2	15.30	1/2	1/2	1/2		1/2	1/2
3/4	1,578.91	3/4	1,315.72	3/4	1,052.41	3/4	792.44	3/4	531.76	3/4	268.48	3/4	12.56	3/4	3/4	3/4		3/4	3/4
4	1,573.43	4	1,310.23	4	1,046.93	4	787.05	4	526.28	4	262.99	4	9.82	4	4	4		4	4
1/4	1,567.95	1/4	1,304.75	1/4	1,041.44	1/4	781.65	1/4	520.79	1/4	257.51	1/4	7.08	1/4	1/4	1/4		1/4	1/4
1/2	1,562.47	1/2	1,299.26	1/2	1,035.96	1/2	776.26	1/2	515.31	1/2	252.02	1/2	4.33	1/2	1/2	1/2		1/2	1/2
3/4	1,556.99	3/4	1,293.78	3/4	1,030.47	3/4	770.86	3/4	509.82	3/4	246.54	3/4	3.42	3/4	3/4	3/4		3/4	3/4
5	1,551.50	5	1,288.29	5	1,024.99	5	765.47	5	504.34	5	241.05	5	2.51	5	5	5		5	5
1/4	1,546.02	1/4	1,282.81	1/4	1,019.50	1/4	760.07	1/4	498.85	1/4	235.57	1/4	1.59	1/4	1/4	1/4		1/4	1/4
1/2	1,540.54	1/2	1,277.32	1/2	1,014.02	1/2	754.68	1/2	493.37	1/2	230.08	1/2	0.68	1/2	1/2	1/2		1/2	1/2
3/4	1,535.06	3/4	1,271.83	3/4	1,008.57	3/4	749.28	3/4	487.88	3/4	224.60	3/4		3/4	3/4	3/4		3/4	3/4
6	1,529.58	6	1,266.35	6	1,003.13	6	743.89	6	482.40	6	219.11	6		6	6	6		6	6
1/4	1,524.09	1/4	1,260.86	1/4	997.68	1/4	738.49	1/4	476.91	1/4	213.63	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,518.61	1/2	1,255.38	1/2	992.24	1/2	733.10	1/2	471.43	1/2	208.14	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,513.13	3/4	1,249.89	3/4	986.84	3/4	727.70	3/4	465.94	3/4	202.66	3/4		3/4	3/4	3/4		3/4	3/4
7	1,507.65	7	1,244.41	7	981.44	7	722.30	7	460.46	7	197.17	7		7	7	7		7	7
1/4	1,502.17	1/4	1,238.92	1/4	976.04	1/4	716.91	1/4	454.97	1/4	191.69	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,496.68	1/2	1,233.44	1/2	970.64	1/2	711.51	1/2	449.49	1/2	186.20	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,491.20	3/4	1,227.95	3/4	965.24	3/4	706.12	3/4	444.00	3/4	180.72	3/4		3/4	3/4	3/4		3/4	3/4
8	1,485.72	8	1,222.47	8	959.84	8	700.72	8	438.52	8	175.23	8		8	8	8		8	8
1/4	1,480.24	1/4	1,216.98	1/4	954.44	1/4	695.33	1/4	433.03	1/4	169.75	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,474.76	1/2	1,211.49	1/2	949.04	1/2	689.93	1/2	427.55	1/2	164.26	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,469.27	3/4	1,206.01	3/4	943.64	3/4	684.54	3/4	422.06	3/4	158.78	3/4		3/4	3/4	3/4		3/4	3/4
9	1,463.79	9	1,200.52	9	938.24	9	679.14	9	416.57	9	153.29	9		9	9	9		9	9
1/4	1,458.31	1/4	1,195.04	1/4	932.83	1/4	673.75	1/4	411.09	1/4	147.81	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,452.83	1/2	1,189.55	1/2	927.43	1/2	668.35	1/2	405.60	1/2	142.32	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,447.35	3/4	1,184.07	3/4	922.03	3/4	662.96	3/4	400.12	3/4	136.84	3/4		3/4	3/4	3/4		3/4	3/4
10	1,441.86	10	1,178.58	10	916.63	10	657.56	10	394.63	10	131.36	10		10	10	10		10	10
1/4	1,436.38	1/4	1,173.10	1/4	911.23	1/4	652.17	1/4	389.15	1/4	125.88	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,430.90	1/2	1,167.61	1/2	905.83	1/2	646.77	1/2	383.66	1/2	120.40	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,425.42	3/4	1,162.12	3/4	900.43	3/4	641.33	3/4	378.18	3/4	114.94	3/4		3/4	3/4	3/4		3/4	3/4
11	1,419.94	11	1,156.64	11	895.03	11	635.89	11	372.69	11	109.47	11		11	11	11		11	11
1/4	1,414.45	1/4	1,151.15	1/4	889.63	1/4	630.45	1/4	367.21	1/4	104.00	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,408.97	1/2	1,145.67	1/2	884.23	1/2	625.01	1/2	361.72	1/2	98.53	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,403.49	3/4	1,140.18	3/4	878.83	3/4	619.52	3/4	356.24	3/4	93.08	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/11/2012 CL - SW  
CALCULATED: 07/11/2012 CL  
PRINTED: 07/11/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2012

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



# BARGE "KIRBY 10539"

## 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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	3,454.50	0	3,211.22	0	2,950.99	0	2,690.76	0	2,429.94	0	2,168.31	0	1,906.68
1/4		1/4		1/4		1/4	3,451.77	1/4	3,205.80	1/4	2,945.57	1/4	2,685.34	1/4	2,424.49	1/4	2,162.86	1/4	1,901.23
1/2		1/2		1/2		1/2	3,449.04	1/2	3,200.38	1/2	2,940.15	1/2	2,679.92	1/2	2,419.04	1/2	2,157.41	1/2	1,895.78
3/4		3/4		3/4		3/4	3,446.32	3/4	3,194.96	3/4	2,934.73	3/4	2,674.50	3/4	2,413.59	3/4	2,151.96	3/4	1,890.32
1		1		1		1	3,443.59	1	3,189.54	1	2,929.31	1	2,669.07	1	2,408.14	1	2,146.51	1	1,884.87
1/4		1/4		1/4		1/4	3,439.17	1/4	3,184.12	1/4	2,923.88	1/4	2,663.65	1/4	2,402.69	1/4	2,141.06	1/4	1,879.42
1/2		1/2		1/2		1/2	3,434.76	1/2	3,178.69	1/2	2,918.46	1/2	2,658.23	1/2	2,397.24	1/2	2,135.61	1/2	1,873.97
3/4		3/4		3/4		3/4	3,430.34	3/4	3,173.27	3/4	2,913.04	3/4	2,652.81	3/4	2,391.79	3/4	2,130.16	3/4	1,868.52
2		2		2		2	3,425.93	2	3,167.85	2	2,907.62	2	2,647.39	2	2,386.34	2	2,124.70	2	1,863.07
1/4		1/4		1/4		1/4	3,420.65	1/4	3,162.43	1/4	2,902.20	1/4	2,641.97	1/4	2,380.89	1/4	2,119.25	1/4	1,857.62
1/2		1/2		1/2		1/2	3,415.36	1/2	3,157.01	1/2	2,896.78	1/2	2,636.54	1/2	2,375.44	1/2	2,113.80	1/2	1,852.17
3/4		3/4		3/4		3/4	3,410.08	3/4	3,151.59	3/4	2,891.36	3/4	2,631.12	3/4	2,369.99	3/4	2,108.35	3/4	1,846.72
3		3		3		3	3,404.80	3	3,146.17	3	2,885.93	3	2,625.70	3	2,364.54	3	2,102.90	3	1,841.27
1/4		1/4		1/4		1/4	3,399.48	1/4	3,140.74	1/4	2,880.51	1/4	2,620.28	1/4	2,359.08	1/4	2,097.45	1/4	1,835.82
1/2		1/2		1/2		1/2	3,394.17	1/2	3,135.32	1/2	2,875.09	1/2	2,614.86	1/2	2,353.63	1/2	2,092.00	1/2	1,830.37
3/4		3/4		3/4		3/4	3,388.86	3/4	3,129.90	3/4	2,869.67	3/4	2,609.44	3/4	2,348.18	3/4	2,086.55	3/4	1,824.92
4		4		4		4	3,383.54	4	3,124.48	4	2,864.25	4	2,604.02	4	2,342.73	4	2,081.10	4	1,819.47
1/4		1/4		1/4		1/4	3,378.22	1/4	3,119.06	1/4	2,858.83	1/4	2,598.59	1/4	2,337.28	1/4	2,075.65	1/4	1,814.01
1/2		1/2		1/2		1/2	3,372.89	1/2	3,113.64	1/2	2,853.40	1/2	2,593.17	1/2	2,331.83	1/2	2,070.20	1/2	1,808.56
3/4		3/4		3/4		3/4	3,367.56	3/4	3,108.22	3/4	2,847.98	3/4	2,587.75	3/4	2,326.38	3/4	2,064.75	3/4	1,803.11
5		5		5		5	3,362.23	5	3,102.79	5	2,842.56	5	2,582.33	5	2,320.93	5	2,059.30	5	1,797.66
1/4		1/4		1/4		1/4	3,356.91	1/4	3,097.37	1/4	2,837.14	1/4	2,576.91	1/4	2,315.48	1/4	2,053.85	1/4	1,792.21
1/2		1/2		1/2		1/2	3,351.59	1/2	3,091.95	1/2	2,831.72	1/2	2,571.49	1/2	2,310.03	1/2	2,048.39	1/2	1,786.76
3/4		3/4		3/4		3/4	3,346.26	3/4	3,086.53	3/4	2,826.30	3/4	2,566.07	3/4	2,304.58	3/4	2,042.94	3/4	1,781.31
6		6		6		6	3,340.94	6	3,081.11	6	2,820.88	6	2,560.64	6	2,299.13	6	2,037.49	6	1,775.86
1/4		1/4		1/4		1/4	3,335.62	1/4	3,075.69	1/4	2,815.45	1/4	2,555.22	1/4	2,293.68	1/4	2,032.04	1/4	1,770.41
1/2		1/2		1/2		1/2	3,330.30	1/2	3,070.26	1/2	2,810.03	1/2	2,549.80	1/2	2,288.23	1/2	2,026.59	1/2	1,764.96
3/4		3/4		3/4		3/4	3,324.98	3/4	3,064.84	3/4	2,804.61	3/4	2,544.38	3/4	2,282.78	3/4	2,021.14	3/4	1,759.51
7		7		7		7	3,319.65	7	3,059.42	7	2,799.19	7	2,538.96	7	2,277.32	7	2,015.69	7	1,754.06
1/4		1/4		1/4		1/4	3,314.23	1/4	3,054.00	1/4	2,793.77	1/4	2,533.51	1/4	2,271.87	1/4	2,010.24	1/4	1,748.61
1/2		1/2		1/2		1/2	3,308.81	1/2	3,048.58	1/2	2,788.35	1/2	2,528.06	1/2	2,266.42	1/2	2,004.79	1/2	1,743.16
3/4		3/4		3/4		3/4	3,303.39	3/4	3,043.16	3/4	2,782.93	3/4	2,522.61	3/4	2,260.97	3/4	1,999.34	3/4	1,737.71
8		8		8		8	3,297.97	8	3,037.74	8	2,777.50	8	2,517.16	8	2,255.52	8	1,993.89	8	1,732.25
1/4		1/4		1/4		1/4	3,292.55	1/4	3,032.31	1/4	2,772.08	1/4	2,511.70	1/4	2,250.07	1/4	1,988.44	1/4	1,726.80
1/2		1/2		1/2		1/2	3,287.12	1/2	3,026.89	1/2	2,766.66	1/2	2,506.25	1/2	2,244.62	1/2	1,982.99	1/2	1,721.35
3/4		3/4		3/4		3/4	3,281.70	3/4	3,021.47	3/4	2,761.24	3/4	2,500.80	3/4	2,239.17	3/4	1,977.54	3/4	1,715.90
9		9		9		9	3,276.28	9	3,016.05	9	2,755.82	9	2,495.35	9	2,233.72	9	1,972.09	9	1,710.45
1/4		1/4		1/4		1/4	3,270.86	1/4	3,010.63	1/4	2,750.40	1/4	2,489.90	1/4	2,228.27	1/4	1,966.63	1/4	1,705.00
1/2		1/2		1/2		1/2	3,265.44	1/2	3,005.21	1/2	2,744.97	1/2	2,484.45	1/2	2,222.82	1/2	1,961.18	1/2	1,699.55
3/4		3/4		3/4		3/4	3,260.02	3/4	2,999.79	3/4	2,739.55	3/4	2,479.00	3/4	2,217.37	3/4	1,955.73	3/4	1,694.10
10		10		10		10	3,254.60	10	2,994.36	10	2,734.13	10	2,473.55	10	2,211.92	10	1,950.28	10	1,688.65
1/4		1/4		1/4		1/4	3,249.17	1/4	2,988.94	1/4	2,728.71	1/4	2,468.10	1/4	2,206.47	1/4	1,944.83	1/4	1,683.20
1/2		1/2		1/2		1/2	3,243.75	1/2	2,983.52	1/2	2,723.29	1/2	2,462.65	1/2	2,201.01	1/2	1,939.38	1/2	1,677.75
3/4		3/4		3/4		3/4	3,238.33	3/4	2,978.10	3/4	2,717.87	3/4	2,457.20	3/4	2,195.56	3/4	1,933.93	3/4	1,672.30
11		11		11	3,458.13	11	3,232.91	11	2,972.68	11	2,712.45	11	2,451.75	11	2,190.11	11	1,928.48	11	1,666.85
1/4		1/4		1/4	3,457.22	1/4	3,227.49	1/4	2,967.26	1/4	2,707.02	1/4	2,446.30	1/4	2,184.66	1/4	1,923.03	1/4	1,661.40
1/2		1/2		1/2	3,456.32	1/2	3,222.07	1/2	2,961.83	1/2	2,701.60	1/2	2,440.85	1/2	2,179.21	1/2	1,917.58	1/2	1,655.94
3/4		3/4		3/4	3,455.41	3/4	3,216.65	3/4	2,956.41	3/4	2,696.18	3/4	2,435.39	3/4	2,173.76	3/4	1,912.13	3/4	1,650.49

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.

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



# BARGE "KIRBY 10539"

## 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	1,645.04	0	1,383.40	0	1,121.59	0	860.81	0	599.63	0	337.85	0	76.30	0		0		0	
1/4	1,639.59	1/4	1,377.94	1/4	1,116.14	1/4	855.39	1/4	594.18	1/4	332.40	1/4	70.91	1/4	1/4	1/4		1/4	
1/2	1,634.14	1/2	1,372.49	1/2	1,110.69	1/2	849.98	1/2	588.72	1/2	326.94	1/2	65.51	1/2	1/2	1/2		1/2	
3/4	1,628.69	3/4	1,367.03	3/4	1,105.23	3/4	844.56	3/4	583.27	3/4	321.49	3/4	60.12	3/4	3/4	3/4		3/4	
1	1,623.24	1	1,361.58	1	1,099.78	1	839.14	1	577.82	1	316.03	1	54.73	1	1	1		1	
1/4	1,617.79	1/4	1,356.12	1/4	1,094.32	1/4	833.72	1/4	572.36	1/4	310.58	1/4	49.39	1/4	1/4	1/4		1/4	
1/2	1,612.34	1/2	1,350.67	1/2	1,088.87	1/2	828.30	1/2	566.91	1/2	305.13	1/2	44.05	1/2	1/2	1/2		1/2	
3/4	1,606.89	3/4	1,345.22	3/4	1,083.41	3/4	822.89	3/4	561.46	3/4	299.67	3/4	38.71	3/4	3/4	3/4		3/4	
2	1,601.44	2	1,339.76	2	1,077.96	2	817.47	2	556.00	2	294.22	2	33.37	2	2	2		2	
1/4	1,595.99	1/4	1,334.31	1/4	1,072.51	1/4	812.06	1/4	550.55	1/4	288.77	1/4	28.83	1/4	1/4	1/4		1/4	
1/2	1,590.54	1/2	1,328.85	1/2	1,067.05	1/2	806.64	1/2	545.09	1/2	283.31	1/2	24.29	1/2	1/2	1/2		1/2	
3/4	1,585.09	3/4	1,323.40	3/4	1,061.60	3/4	801.23	3/4	539.64	3/4	277.86	3/4	19.76	3/4	3/4	3/4		3/4	
3	1,579.63	3	1,317.95	3	1,056.14	3	795.82	3	534.19	3	272.40	3	15.22	3	3	3		3	
1/4	1,574.18	1/4	1,312.49	1/4	1,050.69	1/4	790.37	1/4	528.73	1/4	266.95	1/4	12.49	1/4	1/4	1/4		1/4	
1/2	1,568.73	1/2	1,307.04	1/2	1,045.24	1/2	784.92	1/2	523.28	1/2	261.50	1/2	9.77	1/2	1/2	1/2		1/2	
3/4	1,563.28	3/4	1,301.58	3/4	1,039.78	3/4	779.47	3/4	517.83	3/4	256.04	3/4	7.04	3/4	3/4	3/4		3/4	
4	1,557.83	4	1,296.13	4	1,034.33	4	774.02	4	512.37	4	250.59	4	4.31	4	4	4		4	
1/4	1,552.38	1/4	1,290.67	1/4	1,028.87	1/4	768.57	1/4	506.92	1/4	245.14	1/4	3.40	1/4	1/4	1/4		1/4	
1/2	1,546.93	1/2	1,285.22	1/2	1,023.42	1/2	763.13	1/2	501.46	1/2	239.68	1/2	2.50	1/2	1/2	1/2		1/2	
3/4	1,541.48	3/4	1,279.77	3/4	1,017.96	3/4	757.68	3/4	496.01	3/4	234.23	3/4	1.59	3/4	3/4	3/4		3/4	
5	1,536.03	5	1,274.31	5	1,012.51	5	752.23	5	490.56	5	228.77	5	0.68	5	5	5		5	
1/4	1,530.58	1/4	1,268.86	1/4	1,007.09	1/4	746.78	1/4	485.10	1/4	223.32	1/4		1/4	1/4	1/4		1/4	
1/2	1,525.13	1/2	1,263.40	1/2	1,001.67	1/2	741.33	1/2	479.65	1/2	217.87	1/2		1/2	1/2	1/2		1/2	
3/4	1,519.68	3/4	1,257.95	3/4	996.26	3/4	735.88	3/4	474.19	3/4	212.41	3/4		3/4	3/4	3/4		3/4	
6	1,514.23	6	1,252.49	6	990.84	6	730.43	6	468.74	6	206.96	6		6	6	6		6	
1/4	1,508.78	1/4	1,247.04	1/4	985.42	1/4	724.98	1/4	463.29	1/4	201.50	1/4		1/4	1/4	1/4		1/4	
1/2	1,503.32	1/2	1,241.59	1/2	980.00	1/2	719.54	1/2	457.83	1/2	196.05	1/2		1/2	1/2	1/2		1/2	
3/4	1,497.87	3/4	1,236.13	3/4	974.59	3/4	714.09	3/4	452.38	3/4	190.60	3/4		3/4	3/4	3/4		3/4	
7	1,492.42	7	1,230.68	7	969.17	7	708.64	7	446.93	7	185.14	7		7	7	7		7	
1/4	1,486.97	1/4	1,225.22	1/4	963.75	1/4	703.19	1/4	441.47	1/4	179.69	1/4		1/4	1/4	1/4		1/4	
1/2	1,481.52	1/2	1,219.77	1/2	958.33	1/2	697.74	1/2	436.02	1/2	174.24	1/2		1/2	1/2	1/2		1/2	
3/4	1,476.07	3/4	1,214.32	3/4	952.91	3/4	692.29	3/4	430.56	3/4	168.78	3/4		3/4	3/4	3/4		3/4	
8	1,470.62	8	1,208.86	8	947.50	8	686.84	8	425.11	8	163.33	8		8	8	8		8	
1/4	1,465.17	1/4	1,203.41	1/4	942.08	1/4	681.39	1/4	419.66	1/4	157.88	1/4		1/4	1/4	1/4		1/4	
1/2	1,459.72	1/2	1,197.95	1/2	936.66	1/2	675.95	1/2	414.20	1/2	152.42	1/2		1/2	1/2	1/2		1/2	
3/4	1,454.27	3/4	1,192.50	3/4	931.24	3/4	670.50	3/4	408.75	3/4	146.97	3/4		3/4	3/4	3/4		3/4	
9	1,448.82	9	1,187.04	9	925.83	9	665.05	9	403.30	9	141.52	9		9	9	9		9	
1/4	1,443.37	1/4	1,181.59	1/4	920.41	1/4	659.60	1/4	397.84	1/4	136.07	1/4		1/4	1/4	1/4		1/4	
1/2	1,437.92	1/2	1,176.14	1/2	914.99	1/2	654.15	1/2	392.39	1/2	130.62	1/2		1/2	1/2	1/2		1/2	
3/4	1,432.47	3/4	1,170.68	3/4	909.57	3/4	648.70	3/4	386.93	3/4	125.17	3/4		3/4	3/4	3/4		3/4	
10	1,427.02	10	1,165.23	10	904.15	10	643.26	10	381.48	10	119.72	10		10	10	10		10	
1/4	1,421.56	1/4	1,159.77	1/4	898.74	1/4	637.80	1/4	376.03	1/4	114.29	1/4		1/4	1/4	1/4		1/4	
1/2	1,416.11	1/2	1,154.32	1/2	893.32	1/2	632.35	1/2	370.57	1/2	108.85	1/2		1/2	1/2	1/2		1/2	
3/4	1,410.66	3/4	1,148.86	3/4	887.90	3/4	626.90	3/4	365.12	3/4	103.41	3/4		3/4	3/4	3/4		3/4	
11	1,405.21	11	1,143.41	11	882.48	11	621.44	11	359.67	11	97.97	11		11	11	11		11	
1/4	1,399.76	1/4	1,137.96	1/4	877.06	1/4	615.99	1/4	354.21	1/4	92.55	1/4		1/4	1/4	1/4		1/4	
1/2	1,394.30	1/2	1,132.50	1/2	871.65	1/2	610.54	1/2	348.76	1/2	87.13	1/2		1/2	1/2	1/2		1/2	
3/4	1,388.85	3/4	1,127.05	3/4	866.23	3/4	605.09	3/4	343.30	3/4	81.72	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/11/2012 CL - SW  
CALCULATED: 07/11/2012 CL  
PRINTED: 07/11/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2012

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