



# BARGE "KIRBY 10247"

## 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	00-1/8	- 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

(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 3, 2023

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

<http://www.pmacorp.net>



# BARGE "KIRBY 10247"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

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	3,762.56	0	3,537.53	0	3,284.69	0	3,031.84	0	2,770.67	0	2,475.10	0	2,178.87
1/4		1/4		1/4		1/4	3,761.53	1/4	3,532.27	1/4	3,279.42	1/4	3,026.58	1/4	2,764.52	1/4	2,468.93	1/4	2,172.70
1/2		1/2		1/2		1/2	3,760.49	1/2	3,527.00	1/2	3,274.15	1/2	3,021.31	1/2	2,758.36	1/2	2,462.76	1/2	2,166.52
3/4		3/4		3/4		3/4	3,759.46	3/4	3,521.73	3/4	3,268.89	3/4	3,016.04	3/4	2,752.21	3/4	2,456.58	3/4	2,160.35
1		1		1		1	3,756.36	1	3,516.46	1	3,263.62	1	3,010.77	1	2,746.06	1	2,450.41	1	2,154.18
1/4		1/4		1/4		1/4	3,753.26	1/4	3,511.20	1/4	3,258.35	1/4	3,005.51	1/4	2,739.91	1/4	2,444.24	1/4	2,148.01
1/2		1/2		1/2		1/2	3,750.16	1/2	3,505.93	1/2	3,253.08	1/2	3,000.24	1/2	2,733.75	1/2	2,438.07	1/2	2,141.84
3/4		3/4		3/4		3/4	3,747.07	3/4	3,500.66	3/4	3,247.82	3/4	2,994.97	3/4	2,727.60	3/4	2,431.90	3/4	2,135.67
2		2		2		2	3,742.92	2	3,495.39	2	3,242.55	2	2,989.70	2	2,721.45	2	2,425.73	2	2,129.49
1/4		1/4		1/4		1/4	3,738.77	1/4	3,490.13	1/4	3,237.28	1/4	2,984.44	1/4	2,715.30	1/4	2,419.56	1/4	2,123.32
1/2		1/2		1/2		1/2	3,734.62	1/2	3,484.86	1/2	3,232.01	1/2	2,979.17	1/2	2,709.14	1/2	2,413.38	1/2	2,117.15
3/4		3/4		3/4		3/4	3,730.47	3/4	3,479.59	3/4	3,226.75	3/4	2,973.90	3/4	2,702.99	3/4	2,407.21	3/4	2,110.98
3		3		3		3	3,725.34	3	3,474.32	3	3,221.48	3	2,968.63	3	2,696.84	3	2,401.04	3	2,104.81
1/4		1/4		1/4		1/4	3,720.21	1/4	3,469.06	1/4	3,216.21	1/4	2,963.37	1/4	2,690.69	1/4	2,394.87	1/4	2,098.64
1/2		1/2		1/2		1/2	3,715.07	1/2	3,463.79	1/2	3,210.94	1/2	2,958.10	1/2	2,684.53	1/2	2,388.70	1/2	2,092.47
3/4		3/4		3/4		3/4	3,709.94	3/4	3,458.52	3/4	3,205.68	3/4	2,952.83	3/4	2,678.38	3/4	2,382.53	3/4	2,086.29
4		4		4		4	3,704.77	4	3,453.25	4	3,200.41	4	2,947.56	4	2,672.23	4	2,376.35	4	2,080.12
1/4		1/4		1/4		1/4	3,699.60	1/4	3,447.98	1/4	3,195.14	1/4	2,942.30	1/4	2,666.07	1/4	2,370.18	1/4	2,073.95
1/2		1/2		1/2		1/2	3,694.43	1/2	3,442.72	1/2	3,189.87	1/2	2,937.03	1/2	2,659.92	1/2	2,364.01	1/2	2,067.78
3/4		3/4		3/4		3/4	3,689.26	3/4	3,437.45	3/4	3,184.60	3/4	2,931.76	3/4	2,653.77	3/4	2,357.84	3/4	2,061.61
5		5		5		5	3,684.08	5	3,432.18	5	3,179.34	5	2,926.49	5	2,647.62	5	2,351.67	5	2,055.44
1/4		1/4		1/4		1/4	3,678.90	1/4	3,426.91	1/4	3,174.07	1/4	2,921.22	1/4	2,641.46	1/4	2,345.50	1/4	2,049.27
1/2		1/2		1/2		1/2	3,673.71	1/2	3,421.65	1/2	3,168.80	1/2	2,915.96	1/2	2,635.31	1/2	2,339.33	1/2	2,043.09
3/4		3/4		3/4		3/4	3,668.53	3/4	3,416.38	3/4	3,163.53	3/4	2,910.69	3/4	2,629.16	3/4	2,333.15	3/4	2,036.92
6		6		6		6	3,663.35	6	3,411.11	6	3,158.27	6	2,905.42	6	2,623.01	6	2,326.98	6	2,030.75
1/4		1/4		1/4		1/4	3,658.17	1/4	3,405.84	1/4	3,153.00	1/4	2,900.15	1/4	2,616.85	1/4	2,320.81	1/4	2,024.58
1/2		1/2		1/2		1/2	3,652.99	1/2	3,400.58	1/2	3,147.73	1/2	2,894.89	1/2	2,610.70	1/2	2,314.64	1/2	2,018.41
3/4		3/4		3/4		3/4	3,647.81	3/4	3,395.31	3/4	3,142.46	3/4	2,889.62	3/4	2,604.55	3/4	2,308.47	3/4	2,012.24
7		7		7		7	3,642.63	7	3,390.04	7	3,137.20	7	2,884.35	7	2,598.40	7	2,302.30	7	2,006.06
1/4		1/4		1/4		1/4	3,637.45	1/4	3,384.77	1/4	3,131.93	1/4	2,879.08	1/4	2,592.24	1/4	2,296.13	1/4	1,999.89
1/2		1/2		1/2		1/2	3,632.26	1/2	3,379.51	1/2	3,126.66	1/2	2,873.82	1/2	2,586.09	1/2	2,289.95	1/2	1,993.72
3/4		3/4		3/4		3/4	3,627.08	3/4	3,374.24	3/4	3,121.39	3/4	2,868.55	3/4	2,579.94	3/4	2,283.78	3/4	1,987.55
8		8		8		8	3,621.82	8	3,368.97	8	3,116.13	8	2,863.26	8	2,573.79	8	2,277.61	8	1,981.38
1/4		1/4		1/4		1/4	3,616.55	1/4	3,363.70	1/4	3,110.86	1/4	2,857.96	1/4	2,567.63	1/4	2,271.44	1/4	1,975.21
1/2		1/2		1/2		1/2	3,611.28	1/2	3,358.44	1/2	3,105.59	1/2	2,852.67	1/2	2,561.48	1/2	2,265.27	1/2	1,969.04
3/4		3/4		3/4		3/4	3,606.01	3/4	3,353.17	3/4	3,100.32	3/4	2,847.38	3/4	2,555.33	3/4	2,259.10	3/4	1,962.86
9		9		9		9	3,600.75	9	3,347.90	9	3,095.06	9	2,842.09	9	2,549.16	9	2,252.92	9	1,956.69
1/4		1/4		1/4		1/4	3,595.48	1/4	3,342.63	1/4	3,089.79	1/4	2,836.79	1/4	2,542.99	1/4	2,246.75	1/4	1,950.52
1/2		1/2		1/2		1/2	3,590.21	1/2	3,337.37	1/2	3,084.52	1/2	2,831.50	1/2	2,536.81	1/2	2,240.58	1/2	1,944.35
3/4		3/4		3/4		3/4	3,584.94	3/4	3,332.10	3/4	3,079.25	3/4	2,826.21	3/4	2,530.64	3/4	2,234.41	3/4	1,938.18
10		10		10		10	3,579.68	10	3,326.83	10	3,073.99	10	2,820.01	10	2,524.47	10	2,228.24	10	1,932.01
1/4		1/4		1/4		1/4	3,574.41	1/4	3,321.56	1/4	3,068.72	1/4	2,813.82	1/4	2,518.30	1/4	2,222.07	1/4	1,925.84
1/2		1/2		1/2		1/2	3,569.14	1/2	3,316.29	1/2	3,063.45	1/2	2,807.63	1/2	2,512.13	1/2	2,215.90	1/2	1,919.66
3/4		3/4		3/4		3/4	3,563.87	3/4	3,311.03	3/4	3,058.18	3/4	2,801.43	3/4	2,505.96	3/4	2,209.72	3/4	1,913.49
11		11		11		11	3,558.60	11	3,305.76	11	3,052.91	11	2,795.28	11	2,499.78	11	2,203.55	11	1,907.32
1/4		1/4		1/4		1/4	3,553.34	1/4	3,300.49	1/4	3,047.65	1/4	2,789.13	1/4	2,493.61	1/4	2,197.38	1/4	1,901.15
1/2		1/2		1/2		1/2	3,548.07	1/2	3,295.22	1/2	3,042.38	1/2	2,782.97	1/2	2,487.44	1/2	2,191.21	1/2	1,894.98
3/4		3/4		3/4		3/4	3,763.59	3/4	3,542.80	3/4	3,289.96	3/4	3,037.11	3/4	2,776.82	3/4	2,481.27	3/4	2,188.81

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.  
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# BARGE "KIRBY 10247"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,882.63	0	1,586.16	0	1,289.52	0	992.88	0	702.28	0	405.50	0	108.69	0		0		0	
1/4	1,876.46	1/4	1,579.98	1/4	1,283.34	1/4	986.70	1/4	696.12	1/4	399.31	1/4	102.53	1/4	1/4	1/4		1/4	
1/2	1,870.29	1/2	1,573.80	1/2	1,277.16	1/2	980.52	1/2	689.95	1/2	393.13	1/2	96.37	1/2	1/2	1/2		1/2	
3/4	1,864.12	3/4	1,567.62	3/4	1,270.98	3/4	974.34	3/4	683.78	3/4	386.94	3/4	90.22	3/4	3/4	3/4		3/4	
1	1,857.95	1	1,561.44	1	1,264.80	1	968.22	1	677.60	1	380.76	1	84.09	1	1	1		1	
1/4	1,851.78	1/4	1,555.26	1/4	1,258.62	1/4	962.11	1/4	671.42	1/4	374.57	1/4	77.97	1/4	1/4	1/4		1/4	
1/2	1,845.61	1/2	1,549.08	1/2	1,252.44	1/2	955.99	1/2	665.23	1/2	368.39	1/2	71.84	1/2	1/2	1/2		1/2	
3/4	1,839.43	3/4	1,542.90	3/4	1,246.26	3/4	949.87	3/4	659.05	3/4	362.21	3/4	65.72	3/4	3/4	3/4		3/4	
2	1,833.26	2	1,536.72	2	1,240.08	2	943.82	2	652.87	2	356.02	2	59.65	2	2	2		2	
1/4	1,827.09	1/4	1,530.54	1/4	1,233.90	1/4	937.76	1/4	646.68	1/4	349.84	1/4	53.58	1/4	1/4	1/4		1/4	
1/2	1,820.92	1/2	1,524.36	1/2	1,227.72	1/2	931.71	1/2	640.50	1/2	343.65	1/2	47.51	1/2	1/2	1/2		1/2	
3/4	1,814.75	3/4	1,518.18	3/4	1,221.54	3/4	925.65	3/4	634.31	3/4	337.47	3/4	41.45	3/4	3/4	3/4		3/4	
3	1,808.57	3	1,512.00	3	1,215.36	3	919.60	3	628.13	3	331.28	3	36.29	3	3	3		3	
1/4	1,802.39	1/4	1,505.82	1/4	1,209.18	1/4	913.55	1/4	621.95	1/4	325.10	1/4	31.14	1/4	1/4	1/4		1/4	
1/2	1,796.21	1/2	1,499.64	1/2	1,203.00	1/2	907.50	1/2	615.76	1/2	318.92	1/2	25.98	1/2	1/2	1/2		1/2	
3/4	1,790.03	3/4	1,493.46	3/4	1,196.82	3/4	901.44	3/4	609.58	3/4	312.73	3/4	20.83	3/4	3/4	3/4		3/4	
4	1,783.85	4	1,487.28	4	1,190.64	4	895.40	4	603.39	4	306.55	4	17.73	4	4	4		4	
1/4	1,777.67	1/4	1,481.10	1/4	1,184.46	1/4	889.37	1/4	597.21	1/4	300.36	1/4	14.63	1/4	1/4	1/4		1/4	
1/2	1,771.49	1/2	1,474.92	1/2	1,178.28	1/2	883.33	1/2	591.02	1/2	294.18	1/2	11.54	1/2	1/2	1/2		1/2	
3/4	1,765.31	3/4	1,468.74	3/4	1,172.10	3/4	877.29	3/4	584.84	3/4	287.99	3/4	8.44	3/4	3/4	3/4		3/4	
5	1,759.13	5	1,462.56	5	1,165.92	5	871.27	5	578.66	5	281.81	5	7.41	5	5	5		5	
1/4	1,752.95	1/4	1,456.38	1/4	1,159.74	1/4	865.25	1/4	572.47	1/4	275.63	1/4	6.37	1/4	1/4	1/4		1/4	
1/2	1,746.77	1/2	1,450.20	1/2	1,153.56	1/2	859.23	1/2	566.29	1/2	269.44	1/2	5.34	1/2	1/2	1/2		1/2	
3/4	1,740.59	3/4	1,444.02	3/4	1,147.38	3/4	853.21	3/4	560.10	3/4	263.26	3/4	4.31	3/4	3/4	3/4		3/4	
6	1,734.41	6	1,437.84	6	1,141.20	6	847.19	6	553.92	6	257.07	6		6	6	6		6	
1/4	1,728.23	1/4	1,431.66	1/4	1,135.02	1/4	841.17	1/4	547.73	1/4	250.89	1/4		1/4	1/4	1/4		1/4	
1/2	1,722.06	1/2	1,425.48	1/2	1,128.84	1/2	835.15	1/2	541.55	1/2	244.70	1/2		1/2	1/2	1/2		1/2	
3/4	1,715.88	3/4	1,419.30	3/4	1,122.66	3/4	829.12	3/4	535.37	3/4	238.52	3/4		3/4	3/4	3/4		3/4	
7	1,709.70	7	1,413.12	7	1,116.48	7	823.10	7	529.18	7	232.34	7		7	7	7		7	
1/4	1,703.52	1/4	1,406.94	1/4	1,110.30	1/4	817.08	1/4	523.00	1/4	226.15	1/4		1/4	1/4	1/4		1/4	
1/2	1,697.35	1/2	1,400.76	1/2	1,104.12	1/2	811.06	1/2	516.81	1/2	219.97	1/2		1/2	1/2	1/2		1/2	
3/4	1,691.17	3/4	1,394.58	3/4	1,097.94	3/4	805.04	3/4	510.63	3/4	213.78	3/4		3/4	3/4	3/4		3/4	
8	1,684.99	8	1,388.40	8	1,091.76	8	799.02	8	504.44	8	207.60	8		8	8	8		8	
1/4	1,678.82	1/4	1,382.22	1/4	1,085.58	1/4	793.00	1/4	498.26	1/4	201.41	1/4		1/4	1/4	1/4		1/4	
1/2	1,672.64	1/2	1,376.04	1/2	1,079.40	1/2	786.98	1/2	492.08	1/2	195.23	1/2		1/2	1/2	1/2		1/2	
3/4	1,666.46	3/4	1,369.86	3/4	1,073.22	3/4	780.96	3/4	485.89	3/4	189.04	3/4		3/4	3/4	3/4		3/4	
9	1,660.29	9	1,363.68	9	1,067.04	9	774.93	9	479.71	9	182.86	9		9	9	9		9	
1/4	1,654.11	1/4	1,357.50	1/4	1,060.86	1/4	768.91	1/4	473.52	1/4	176.68	1/4		1/4	1/4	1/4		1/4	
1/2	1,647.93	1/2	1,351.32	1/2	1,054.68	1/2	762.89	1/2	467.34	1/2	170.49	1/2		1/2	1/2	1/2		1/2	
3/4	1,641.76	3/4	1,345.14	3/4	1,048.50	3/4	756.87	3/4	461.15	3/4	164.31	3/4		3/4	3/4	3/4		3/4	
10	1,635.58	10	1,338.96	10	1,042.32	10	750.85	10	454.97	10	158.12	10		10	10	10		10	
1/4	1,629.40	1/4	1,332.78	1/4	1,036.14	1/4	744.83	1/4	448.79	1/4	151.93	1/4		1/4	1/4	1/4		1/4	
1/2	1,623.23	1/2	1,326.60	1/2	1,029.96	1/2	738.81	1/2	442.60	1/2	145.74	1/2		1/2	1/2	1/2		1/2	
3/4	1,617.05	3/4	1,320.42	3/4	1,023.78	3/4	732.79	3/4	436.42	3/4	139.55	3/4		3/4	3/4	3/4		3/4	
11	1,610.87	11	1,314.24	11	1,017.60	11	726.70	11	430.23	11	133.37	11		11	11	11		11	
1/4	1,604.69	1/4	1,308.06	1/4	1,011.42	1/4	720.62	1/4	424.05	1/4	127.20	1/4		1/4	1/4	1/4		1/4	
1/2	1,598.52	1/2	1,301.88	1/2	1,005.24	1/2	714.53	1/2	417.86	1/2	121.02	1/2		1/2	1/2	1/2		1/2	
3/4	1,592.34	3/4	1,295.70	3/4	999.06	3/4	708.45	3/4	411.68	3/4	114.84	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/31/2013 SW  
CALCULATED: 05/31/2013 CL  
VERIFIED: 07/03/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2023

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



# BARGE "KIRBY 10247"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

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	3,478.50	0	3,251.66	0	2,989.56	0	2,727.46	0	2,464.90	0	2,201.40	0	1,937.91
1/4		1/4		1/4		1/4	3,477.58	1/4	3,246.20	1/4	2,984.10	1/4	2,722.00	1/4	2,459.41	1/4	2,195.91	1/4	1,932.42
1/2		1/2		1/2		1/2	3,476.67	1/2	3,240.74	1/2	2,978.64	1/2	2,716.54	1/2	2,453.92	1/2	2,190.42	1/2	1,926.93
3/4		3/4		3/4		3/4	3,475.75	3/4	3,235.28	3/4	2,973.18	3/4	2,711.08	3/4	2,448.43	3/4	2,184.93	3/4	1,921.44
1		1		1		1	3,474.84	1	3,229.82	1	2,967.72	1	2,705.62	1	2,442.94	1	2,179.45	1	1,915.95
1/4		1/4		1/4		1/4	3,472.09	1/4	3,224.36	1/4	2,962.26	1/4	2,700.16	1/4	2,437.45	1/4	2,173.96	1/4	1,910.46
1/2		1/2		1/2		1/2	3,469.35	1/2	3,218.90	1/2	2,956.80	1/2	2,694.70	1/2	2,431.96	1/2	2,168.47	1/2	1,904.97
3/4		3/4		3/4		3/4	3,466.60	3/4	3,213.44	3/4	2,951.34	3/4	2,689.24	3/4	2,426.47	3/4	2,162.98	3/4	1,899.48
2		2		2		2	3,463.85	2	3,207.98	2	2,945.88	2	2,683.78	2	2,420.98	2	2,157.49	2	1,893.99
1/4		1/4		1/4		1/4	3,459.40	1/4	3,202.52	1/4	2,940.42	1/4	2,678.32	1/4	2,415.49	1/4	2,152.00	1/4	1,888.50
1/2		1/2		1/2		1/2	3,454.96	1/2	3,197.06	1/2	2,934.96	1/2	2,672.86	1/2	2,410.00	1/2	2,146.51	1/2	1,883.01
3/4		3/4		3/4		3/4	3,450.51	3/4	3,191.60	3/4	2,929.50	3/4	2,667.40	3/4	2,404.51	3/4	2,141.02	3/4	1,877.52
3		3		3		3	3,446.06	3	3,186.14	3	2,924.04	3	2,661.94	3	2,399.03	3	2,135.53	3	1,872.03
1/4		1/4		1/4		1/4	3,440.74	1/4	3,180.68	1/4	2,918.58	1/4	2,656.48	1/4	2,393.54	1/4	2,130.04	1/4	1,866.54
1/2		1/2		1/2		1/2	3,435.42	1/2	3,175.22	1/2	2,913.12	1/2	2,651.02	1/2	2,388.05	1/2	2,124.55	1/2	1,861.05
3/4		3/4		3/4		3/4	3,430.10	3/4	3,169.76	3/4	2,907.66	3/4	2,645.56	3/4	2,382.56	3/4	2,119.06	3/4	1,855.56
4		4		4		4	3,424.78	4	3,164.30	4	2,902.20	4	2,640.10	4	2,377.07	4	2,113.57	4	1,850.08
1/4		1/4		1/4		1/4	3,419.43	1/4	3,158.84	1/4	2,896.74	1/4	2,634.64	1/4	2,371.58	1/4	2,108.08	1/4	1,844.59
1/2		1/2		1/2		1/2	3,414.07	1/2	3,153.38	1/2	2,891.28	1/2	2,629.18	1/2	2,366.09	1/2	2,102.59	1/2	1,839.10
3/4		3/4		3/4		3/4	3,408.72	3/4	3,147.91	3/4	2,885.82	3/4	2,623.72	3/4	2,360.60	3/4	2,097.10	3/4	1,833.61
5		5		5		5	3,403.37	5	3,142.45	5	2,880.36	5	2,618.26	5	2,355.11	5	2,091.61	5	1,828.12
1/4		1/4		1/4		1/4	3,398.01	1/4	3,136.99	1/4	2,874.89	1/4	2,612.80	1/4	2,349.62	1/4	2,086.12	1/4	1,822.63
1/2		1/2		1/2		1/2	3,392.64	1/2	3,131.53	1/2	2,869.43	1/2	2,607.34	1/2	2,344.13	1/2	2,080.63	1/2	1,817.14
3/4		3/4		3/4		3/4	3,387.28	3/4	3,126.07	3/4	2,863.97	3/4	2,601.87	3/4	2,338.64	3/4	2,075.14	3/4	1,811.65
6		6		6		6	3,381.91	6	3,120.61	6	2,858.51	6	2,596.41	6	2,333.15	6	2,069.66	6	1,806.16
1/4		1/4		1/4		1/4	3,376.55	1/4	3,115.15	1/4	2,853.05	1/4	2,590.95	1/4	2,327.66	1/4	2,064.17	1/4	1,800.67
1/2		1/2		1/2		1/2	3,371.19	1/2	3,109.69	1/2	2,847.59	1/2	2,585.49	1/2	2,322.17	1/2	2,058.68	1/2	1,795.18
3/4		3/4		3/4		3/4	3,365.83	3/4	3,104.23	3/4	2,842.13	3/4	2,580.03	3/4	2,316.68	3/4	2,053.19	3/4	1,789.69
7		7		7		7	3,360.47	7	3,098.77	7	2,836.67	7	2,574.57	7	2,311.19	7	2,047.70	7	1,784.20
1/4		1/4		1/4		1/4	3,355.11	1/4	3,093.31	1/4	2,831.21	1/4	2,569.11	1/4	2,305.70	1/4	2,042.21	1/4	1,778.71
1/2		1/2		1/2		1/2	3,349.75	1/2	3,087.85	1/2	2,825.75	1/2	2,563.65	1/2	2,300.21	1/2	2,036.72	1/2	1,773.22
3/4		3/4		3/4		3/4	3,344.39	3/4	3,082.39	3/4	2,820.29	3/4	2,558.19	3/4	2,294.72	3/4	2,031.23	3/4	1,767.73
8		8		8		8	3,339.03	8	3,076.93	8	2,814.83	8	2,552.73	8	2,289.24	8	2,025.74	8	1,762.24
1/4		1/4		1/4		1/4	3,333.57	1/4	3,071.47	1/4	2,809.37	1/4	2,547.24	1/4	2,283.75	1/4	2,020.25	1/4	1,756.75
1/2		1/2		1/2		1/2	3,328.11	1/2	3,066.01	1/2	2,803.91	1/2	2,541.75	1/2	2,278.26	1/2	2,014.76	1/2	1,751.26
3/4		3/4		3/4		3/4	3,322.65	3/4	3,060.55	3/4	2,798.45	3/4	2,536.26	3/4	2,272.77	3/4	2,009.27	3/4	1,745.77
9		9		9		9	3,317.19	9	3,055.09	9	2,792.99	9	2,530.77	9	2,267.28	9	2,003.78	9	1,740.29
1/4		1/4		1/4		1/4	3,311.73	1/4	3,049.63	1/4	2,787.53	1/4	2,525.28	1/4	2,261.79	1/4	1,998.29	1/4	1,734.80
1/2		1/2		1/2		1/2	3,306.27	1/2	3,044.17	1/2	2,782.07	1/2	2,519.79	1/2	2,256.30	1/2	1,992.80	1/2	1,729.31
3/4		3/4		3/4		3/4	3,300.81	3/4	3,038.71	3/4	2,776.61	3/4	2,514.30	3/4	2,250.81	3/4	1,987.31	3/4	1,723.82
10		10		10		10	3,295.35	10	3,033.25	10	2,771.15	10	2,508.82	10	2,245.32	10	1,981.82	10	1,718.33
1/4		1/4		1/4		1/4	3,289.89	1/4	3,027.79	1/4	2,765.69	1/4	2,503.33	1/4	2,239.83	1/4	1,976.33	1/4	1,712.84
1/2		1/2		1/2		1/2	3,284.42	1/2	3,022.33	1/2	2,760.23	1/2	2,497.84	1/2	2,234.34	1/2	1,970.84	1/2	1,707.35
3/4		3/4		3/4		3/4	3,278.96	3/4	3,016.87	3/4	2,754.77	3/4	2,492.35	3/4	2,228.85	3/4	1,965.35	3/4	1,701.86
11		11		11		11	3,273.50	11	3,011.40	11	2,749.31	11	2,486.86	11	2,223.36	11	1,959.87	11	1,696.37
1/4		1/4		1/4		1/4	3,268.04	1/4	3,005.94	1/4	2,743.85	1/4	2,481.37	1/4	2,217.87	1/4	1,954.38	1/4	1,690.88
1/2		1/2		1/2		1/2	3,262.58	1/2	3,000.48	1/2	2,738.38	1/2	2,475.88	1/2	2,212.38	1/2	1,948.89	1/2	1,685.39
3/4		3/4		3/4		3/4	3,257.12	3/4	2,995.02	3/4	2,732.92	3/4	2,470.39	3/4	2,206.89	3/4	1,943.40	3/4	1,679.90

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 10247"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

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	1,674.41	0	1,410.92	0	1,147.25	0	885.45	0	625.87	0	362.22	0	98.67	0		0		0	
1/4	1,668.92	1/4	1,405.42	1/4	1,141.75	1/4	880.04	1/4	620.38	1/4	356.73	1/4	93.21	1/4	1/4	1/4		1/4	
1/2	1,663.43	1/2	1,399.93	1/2	1,136.26	1/2	874.63	1/2	614.88	1/2	351.24	1/2	87.75	1/2	1/2	1/2		1/2	
3/4	1,657.94	3/4	1,394.44	3/4	1,130.77	3/4	869.22	3/4	609.39	3/4	345.75	3/4	82.29	3/4	3/4	3/4		3/4	
1	1,652.45	1	1,388.94	1	1,125.27	1	863.81	1	603.90	1	340.25	1	76.84	1	1	1		1	
1/4	1,646.96	1/4	1,383.45	1/4	1,119.78	1/4	858.41	1/4	598.41	1/4	334.76	1/4	71.41	1/4	1/4	1/4		1/4	
1/2	1,641.47	1/2	1,377.96	1/2	1,114.29	1/2	853.00	1/2	592.92	1/2	329.27	1/2	65.98	1/2	1/2	1/2		1/2	
3/4	1,635.98	3/4	1,372.46	3/4	1,108.79	3/4	847.59	3/4	587.42	3/4	323.77	3/4	60.55	3/4	3/4	3/4		3/4	
2	1,630.50	2	1,366.97	2	1,103.30	2	842.18	2	581.93	2	318.28	2	55.12	2	2	2		2	
1/4	1,625.01	1/4	1,361.48	1/4	1,097.81	1/4	836.77	1/4	576.44	1/4	312.79	1/4	49.74	1/4	1/4	1/4		1/4	
1/2	1,619.52	1/2	1,355.98	1/2	1,092.32	1/2	831.37	1/2	570.95	1/2	307.30	1/2	44.36	1/2	1/2	1/2		1/2	
3/4	1,614.03	3/4	1,350.49	3/4	1,086.82	3/4	825.96	3/4	565.45	3/4	301.80	3/4	38.98	3/4	3/4	3/4		3/4	
3	1,608.54	3	1,345.00	3	1,081.33	3	820.55	3	559.96	3	296.31	3	33.60	3	3	3		3	
1/4	1,603.05	1/4	1,339.50	1/4	1,075.84	1/4	815.15	1/4	554.47	1/4	290.82	1/4	29.03	1/4	1/4	1/4		1/4	
1/2	1,597.56	1/2	1,334.01	1/2	1,070.34	1/2	809.74	1/2	548.98	1/2	285.33	1/2	24.46	1/2	1/2	1/2		1/2	
3/4	1,592.07	3/4	1,328.52	3/4	1,064.85	3/4	804.34	3/4	543.48	3/4	279.83	3/4	19.89	3/4	3/4	3/4		3/4	
4	1,586.58	4	1,323.03	4	1,059.36	4	798.94	4	537.99	4	274.34	4	15.32	4	4	4		4	
1/4	1,581.09	1/4	1,317.53	1/4	1,053.86	1/4	793.54	1/4	532.50	1/4	268.85	1/4	12.58	1/4	1/4	1/4		1/4	
1/2	1,575.60	1/2	1,312.04	1/2	1,048.37	1/2	788.13	1/2	527.00	1/2	263.36	1/2	9.83	1/2	1/2	1/2		1/2	
3/4	1,570.11	3/4	1,306.55	3/4	1,042.88	3/4	782.73	3/4	521.51	3/4	257.86	3/4	7.09	3/4	3/4	3/4		3/4	
5	1,564.62	5	1,301.05	5	1,037.38	5	777.33	5	516.02	5	252.37	5	4.34	5	5	5		5	
1/4	1,559.13	1/4	1,295.56	1/4	1,031.89	1/4	771.92	1/4	510.53	1/4	246.88	1/4	3.42	1/4	1/4	1/4		1/4	
1/2	1,553.64	1/2	1,290.07	1/2	1,026.40	1/2	766.52	1/2	505.03	1/2	241.38	1/2	2.51	1/2	1/2	1/2		1/2	
3/4	1,548.15	3/4	1,284.57	3/4	1,020.91	3/4	761.12	3/4	499.54	3/4	235.89	3/4	1.59	3/4	3/4	3/4		3/4	
6	1,542.66	6	1,279.08	6	1,015.41	6	755.72	6	494.05	6	230.40	6	0.68	6	6	6		6	
1/4	1,537.17	1/4	1,273.59	1/4	1,009.96	1/4	750.31	1/4	488.56	1/4	224.91	1/4		1/4	1/4	1/4		1/4	
1/2	1,531.68	1/2	1,268.09	1/2	1,004.51	1/2	744.91	1/2	483.06	1/2	219.41	1/2		1/2	1/2	1/2		1/2	
3/4	1,526.19	3/4	1,262.60	3/4	999.06	3/4	739.51	3/4	477.57	3/4	213.92	3/4		3/4	3/4	3/4		3/4	
7	1,520.71	7	1,257.11	7	993.61	7	734.10	7	472.08	7	208.43	7		7	7	7		7	
1/4	1,515.22	1/4	1,251.62	1/4	988.20	1/4	728.70	1/4	466.58	1/4	202.94	1/4		1/4	1/4	1/4		1/4	
1/2	1,509.73	1/2	1,246.12	1/2	982.79	1/2	723.30	1/2	461.09	1/2	197.44	1/2		1/2	1/2	1/2		1/2	
3/4	1,504.24	3/4	1,240.63	3/4	977.38	3/4	717.90	3/4	455.60	3/4	191.95	3/4		3/4	3/4	3/4		3/4	
8	1,498.75	8	1,235.14	8	971.98	8	712.49	8	450.11	8	186.46	8		8	8	8		8	
1/4	1,493.26	1/4	1,229.64	1/4	966.57	1/4	707.09	1/4	444.61	1/4	180.96	1/4		1/4	1/4	1/4		1/4	
1/2	1,487.77	1/2	1,224.15	1/2	961.16	1/2	701.69	1/2	439.12	1/2	175.47	1/2		1/2	1/2	1/2		1/2	
3/4	1,482.28	3/4	1,218.66	3/4	955.75	3/4	696.28	3/4	433.63	3/4	169.98	3/4		3/4	3/4	3/4		3/4	
9	1,476.79	9	1,213.16	9	950.34	9	690.88	9	428.14	9	164.49	9		9	9	9		9	
1/4	1,471.30	1/4	1,207.67	1/4	944.94	1/4	685.48	1/4	422.64	1/4	158.99	1/4		1/4	1/4	1/4		1/4	
1/2	1,465.81	1/2	1,202.18	1/2	939.53	1/2	680.08	1/2	417.15	1/2	153.50	1/2		1/2	1/2	1/2		1/2	
3/4	1,460.32	3/4	1,196.68	3/4	934.12	3/4	674.67	3/4	411.66	3/4	148.01	3/4		3/4	3/4	3/4		3/4	
10	1,454.83	10	1,191.19	10	928.71	10	669.27	10	406.17	10	142.52	10		10	10	10		10	
1/4	1,449.34	1/4	1,185.70	1/4	923.30	1/4	663.87	1/4	400.67	1/4	137.03	1/4		1/4	1/4	1/4		1/4	
1/2	1,443.85	1/2	1,180.21	1/2	917.90	1/2	658.47	1/2	395.18	1/2	131.54	1/2		1/2	1/2	1/2		1/2	
3/4	1,438.36	3/4	1,174.71	3/4	912.49	3/4	653.07	3/4	389.69	3/4	126.06	3/4		3/4	3/4	3/4		3/4	
11	1,432.87	11	1,169.22	11	907.08	11	647.66	11	384.19	11	120.57	11		11	11	11		11	
1/4	1,427.38	1/4	1,163.73	1/4	901.67	1/4	642.21	1/4	378.70	1/4	115.09	1/4		1/4	1/4	1/4		1/4	
1/2	1,421.89	1/2	1,158.23	1/2	896.26	1/2	636.76	1/2	373.21	1/2	109.62	1/2		1/2	1/2	1/2		1/2	
3/4	1,416.40	3/4	1,152.74	3/4	890.85	3/4	631.32	3/4	367.72	3/4	104.14	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/31/2013 SW  
CALCULATED: 05/31/2013 CL  
VERIFIED: 07/03/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2023

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



# BARGE "KIRBY 10247"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

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	3,456.61	0	3,231.48	0	2,971.37	0	2,711.25	0	2,450.67	0	2,189.15	0	1,927.63
1/4		1/4		1/4		1/4	3,455.70	1/4	3,226.07	1/4	2,965.95	1/4	2,705.83	1/4	2,445.22	1/4	2,183.70	1/4	1,922.18
1/2		1/2		1/2		1/2	3,454.80	1/2	3,220.65	1/2	2,960.53	1/2	2,700.41	1/2	2,439.77	1/2	2,178.25	1/2	1,916.73
3/4		3/4		3/4		3/4	3,453.89	3/4	3,215.23	3/4	2,955.11	3/4	2,694.99	3/4	2,434.32	3/4	2,172.80	3/4	1,911.29
1		1		1		1	3,452.98	1	3,209.81	1	2,949.69	1	2,689.57	1	2,428.87	1	2,167.36	1	1,905.84
1/4		1/4		1/4		1/4	3,450.25	1/4	3,204.39	1/4	2,944.27	1/4	2,684.16	1/4	2,423.43	1/4	2,161.91	1/4	1,900.39
1/2		1/2		1/2		1/2	3,447.53	1/2	3,198.97	1/2	2,938.85	1/2	2,678.74	1/2	2,417.98	1/2	2,156.46	1/2	1,894.94
3/4		3/4		3/4		3/4	3,444.80	3/4	3,193.55	3/4	2,933.43	3/4	2,673.32	3/4	2,412.53	3/4	2,151.01	3/4	1,889.49
2		2		2		2	3,442.07	2	3,188.13	2	2,928.01	2	2,667.90	2	2,407.08	2	2,145.56	2	1,884.04
1/4		1/4		1/4		1/4	3,437.66	1/4	3,182.71	1/4	2,922.60	1/4	2,662.48	1/4	2,401.63	1/4	2,140.11	1/4	1,878.60
1/2		1/2		1/2		1/2	3,433.25	1/2	3,177.29	1/2	2,917.18	1/2	2,657.06	1/2	2,396.18	1/2	2,134.67	1/2	1,873.15
3/4		3/4		3/4		3/4	3,428.83	3/4	3,171.87	3/4	2,911.76	3/4	2,651.64	3/4	2,390.74	3/4	2,129.22	3/4	1,867.70
3		3		3		3	3,424.42	3	3,166.46	3	2,906.34	3	2,646.22	3	2,385.29	3	2,123.77	3	1,862.25
1/4		1/4		1/4		1/4	3,419.14	1/4	3,161.04	1/4	2,900.92	1/4	2,640.80	1/4	2,379.84	1/4	2,118.32	1/4	1,856.80
1/2		1/2		1/2		1/2	3,413.86	1/2	3,155.62	1/2	2,895.50	1/2	2,635.38	1/2	2,374.39	1/2	2,112.87	1/2	1,851.35
3/4		3/4		3/4		3/4	3,408.58	3/4	3,150.20	3/4	2,890.08	3/4	2,629.96	3/4	2,368.94	3/4	2,107.42	3/4	1,845.91
4		4		4		4	3,403.30	4	3,144.78	4	2,884.66	4	2,624.55	4	2,363.49	4	2,101.98	4	1,840.46
1/4		1/4		1/4		1/4	3,397.99	1/4	3,139.36	1/4	2,879.24	1/4	2,619.13	1/4	2,358.05	1/4	2,096.53	1/4	1,835.01
1/2		1/2		1/2		1/2	3,392.68	1/2	3,133.94	1/2	2,873.82	1/2	2,613.71	1/2	2,352.60	1/2	2,091.08	1/2	1,829.56
3/4		3/4		3/4		3/4	3,387.37	3/4	3,128.52	3/4	2,868.40	3/4	2,608.29	3/4	2,347.15	3/4	2,085.63	3/4	1,824.11
5		5		5		5	3,382.06	5	3,123.10	5	2,862.99	5	2,602.87	5	2,341.70	5	2,080.18	5	1,818.66
1/4		1/4		1/4		1/4	3,376.73	1/4	3,117.68	1/4	2,857.57	1/4	2,597.45	1/4	2,336.25	1/4	2,074.73	1/4	1,813.22
1/2		1/2		1/2		1/2	3,371.40	1/2	3,112.26	1/2	2,852.15	1/2	2,592.03	1/2	2,330.80	1/2	2,069.29	1/2	1,807.77
3/4		3/4		3/4		3/4	3,366.08	3/4	3,106.85	3/4	2,846.73	3/4	2,586.61	3/4	2,325.36	3/4	2,063.84	3/4	1,802.32
6		6		6		6	3,360.75	6	3,101.43	6	2,841.31	6	2,581.19	6	2,319.91	6	2,058.39	6	1,796.87
1/4		1/4		1/4		1/4	3,355.43	1/4	3,096.01	1/4	2,835.89	1/4	2,575.77	1/4	2,314.46	1/4	2,052.94	1/4	1,791.42
1/2		1/2		1/2		1/2	3,350.11	1/2	3,090.59	1/2	2,830.47	1/2	2,570.35	1/2	2,309.01	1/2	2,047.49	1/2	1,785.97
3/4		3/4		3/4		3/4	3,344.79	3/4	3,085.17	3/4	2,825.05	3/4	2,564.94	3/4	2,303.56	3/4	2,042.04	3/4	1,780.53
7		7		7		7	3,339.47	7	3,079.75	7	2,819.63	7	2,559.52	7	2,298.11	7	2,036.60	7	1,775.08
1/4		1/4		1/4		1/4	3,334.15	1/4	3,074.33	1/4	2,814.21	1/4	2,554.10	1/4	2,292.67	1/4	2,031.15	1/4	1,769.63
1/2		1/2		1/2		1/2	3,328.83	1/2	3,068.91	1/2	2,808.79	1/2	2,548.68	1/2	2,287.22	1/2	2,025.70	1/2	1,764.18
3/4		3/4		3/4		3/4	3,323.51	3/4	3,063.49	3/4	2,803.38	3/4	2,543.26	3/4	2,281.77	3/4	2,020.25	3/4	1,758.73
8		8		8		8	3,318.19	8	3,058.07	8	2,797.96	8	2,537.84	8	2,276.32	8	2,014.80	8	1,753.28
1/4		1/4		1/4		1/4	3,312.77	1/4	3,052.65	1/4	2,792.54	1/4	2,532.39	1/4	2,270.87	1/4	2,009.35	1/4	1,747.84
1/2		1/2		1/2		1/2	3,307.35	1/2	3,047.24	1/2	2,787.12	1/2	2,526.94	1/2	2,265.42	1/2	2,003.91	1/2	1,742.39
3/4		3/4		3/4		3/4	3,301.93	3/4	3,041.82	3/4	2,781.70	3/4	2,521.49	3/4	2,259.98	3/4	1,998.46	3/4	1,736.94
9		9		9		9	3,296.51	9	3,036.40	9	2,776.28	9	2,516.05	9	2,254.53	9	1,993.01	9	1,731.49
1/4		1/4		1/4		1/4	3,291.09	1/4	3,030.98	1/4	2,770.86	1/4	2,510.60	1/4	2,249.08	1/4	1,987.56	1/4	1,726.04
1/2		1/2		1/2		1/2	3,285.68	1/2	3,025.56	1/2	2,765.44	1/2	2,505.15	1/2	2,243.63	1/2	1,982.11	1/2	1,720.59
3/4		3/4		3/4		3/4	3,280.26	3/4	3,020.14	3/4	2,760.02	3/4	2,499.70	3/4	2,238.18	3/4	1,976.66	3/4	1,715.15
10		10		10		10	3,274.84	10	3,014.72	10	2,754.60	10	2,494.25	10	2,232.73	10	1,971.22	10	1,709.70
1/4		1/4		1/4		1/4	3,269.42	1/4	3,009.30	1/4	2,749.18	1/4	2,488.80	1/4	2,227.29	1/4	1,965.77	1/4	1,704.25
1/2		1/2		1/2		1/2	3,264.00	1/2	3,003.88	1/2	2,743.77	1/2	2,483.36	1/2	2,221.84	1/2	1,960.32	1/2	1,698.80
3/4		3/4		3/4		3/4	3,258.58	3/4	2,998.46	3/4	2,738.35	3/4	2,477.91	3/4	2,216.39	3/4	1,954.87	3/4	1,693.35
11		11		11		11	3,253.16	11	2,993.04	11	2,732.93	11	2,472.46	11	2,210.94	11	1,949.42	11	1,687.90
1/4		1/4		1/4		1/4	3,247.74	1/4	2,987.62	1/4	2,727.51	1/4	2,467.01	1/4	2,205.49	1/4	1,943.97	1/4	1,682.46
1/2		1/2		1/2		1/2	3,242.32	1/2	2,982.21	1/2	2,722.09	1/2	2,461.56	1/2	2,200.04	1/2	1,938.53	1/2	1,677.01
3/4		3/4		3/4		3/4	3,236.90	3/4	2,976.79	3/4	2,716.67	3/4	2,456.12	3/4	2,194.60	3/4	1,933.08	3/4	1,671.56

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'-06" 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 10247"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

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
1/4	1,660.66	1/4	1,399.14	1/4	1,137.45	1/4	876.68	1/4	615.72	1/4	354.06	1/4	92.51	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,655.21	1/2	1,393.69	1/2	1,132.00	1/2	871.26	1/2	610.27	1/2	348.60	1/2	87.10	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,649.77	3/4	1,388.24	3/4	1,126.55	3/4	865.85	3/4	604.82	3/4	343.15	3/4	81.68	3/4	3/4	3/4	3/4	3/4	3/4
0	1,644.32	1	1,382.79	1	1,121.10	1	860.43	1	599.37	1	337.70	1	76.26	1	1	1	1	1	1
1/4	1,638.87	1/4	1,377.33	1/4	1,115.65	1/4	855.02	1/4	593.92	1/4	332.25	1/4	70.87	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,633.42	1/2	1,371.88	1/2	1,110.20	1/2	849.60	1/2	588.47	1/2	326.80	1/2	65.49	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,627.97	3/4	1,366.43	3/4	1,104.74	3/4	844.19	3/4	583.01	3/4	321.35	3/4	60.10	3/4	3/4	3/4	3/4	3/4	3/4
2	1,622.53	2	1,360.98	2	1,099.29	2	838.77	2	577.56	2	315.90	2	54.71	2	2	2	2	2	2
1/4	1,617.08	1/4	1,355.53	1/4	1,093.84	1/4	833.36	1/4	572.11	1/4	310.44	1/4	49.37	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,611.63	1/2	1,350.08	1/2	1,088.39	1/2	827.94	1/2	566.66	1/2	304.99	1/2	44.03	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,606.18	3/4	1,344.62	3/4	1,082.94	3/4	822.52	3/4	561.21	3/4	299.54	3/4	38.69	3/4	3/4	3/4	3/4	3/4	3/4
3	1,600.73	3	1,339.17	3	1,077.49	3	817.11	3	555.76	3	294.09	3	33.35	3	3	3	3	3	3
1/4	1,595.28	1/4	1,333.72	1/4	1,072.03	1/4	811.70	1/4	550.31	1/4	288.64	1/4	28.82	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,589.84	1/2	1,328.27	1/2	1,066.58	1/2	806.29	1/2	544.85	1/2	283.19	1/2	24.28	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,584.39	3/4	1,322.82	3/4	1,061.13	3/4	800.88	3/4	539.40	3/4	277.74	3/4	19.75	3/4	3/4	3/4	3/4	3/4	3/4
4	1,578.94	4	1,317.36	4	1,055.68	4	795.47	4	533.95	4	272.28	4	15.21	4	4	4	4	4	4
1/4	1,573.49	1/4	1,311.91	1/4	1,050.23	1/4	790.02	1/4	528.50	1/4	266.83	1/4	12.49	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,568.04	1/2	1,306.46	1/2	1,044.77	1/2	784.58	1/2	523.05	1/2	261.38	1/2	9.76	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,562.59	3/4	1,301.01	3/4	1,039.32	3/4	779.13	3/4	517.60	3/4	255.93	3/4	7.04	3/4	3/4	3/4	3/4	3/4	3/4
5	1,557.15	5	1,295.56	5	1,033.87	5	773.68	5	512.15	5	250.48	5	4.31	5	5	5	5	5	5
1/4	1,551.70	1/4	1,290.11	1/4	1,028.42	1/4	768.24	1/4	506.69	1/4	245.03	1/4	3.40	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,546.25	1/2	1,284.65	1/2	1,022.97	1/2	762.79	1/2	501.24	1/2	239.58	1/2	2.50	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,540.80	3/4	1,279.20	3/4	1,017.52	3/4	757.34	3/4	495.79	3/4	234.12	3/4	1.59	3/4	3/4	3/4	3/4	3/4	3/4
6	1,535.35	6	1,273.75	6	1,012.06	6	751.90	6	490.34	6	228.67	6	0.68	6	6	6	6	6	6
1/4	1,529.90	1/4	1,268.30	1/4	1,006.65	1/4	746.45	1/4	484.89	1/4	223.22	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,524.46	1/2	1,262.85	1/2	1,001.23	1/2	741.00	1/2	479.44	1/2	217.77	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,519.01	3/4	1,257.39	3/4	995.82	3/4	735.56	3/4	473.99	3/4	212.32	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	1,513.56	7	1,251.94	7	990.40	7	730.11	7	468.53	7	206.87	7		7	7	7	7	7	7
1/4	1,508.11	1/4	1,246.49	1/4	984.99	1/4	724.67	1/4	463.08	1/4	201.42	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,502.66	1/2	1,241.04	1/2	979.57	1/2	719.22	1/2	457.63	1/2	195.96	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,497.21	3/4	1,235.59	3/4	974.16	3/4	713.77	3/4	452.18	3/4	190.51	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,491.77	8	1,230.14	8	968.74	8	708.33	8	446.73	8	185.06	8		8	8	8	8	8	8
1/4	1,486.32	1/4	1,224.68	1/4	963.32	1/4	702.88	1/4	441.28	1/4	179.61	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,480.87	1/2	1,219.23	1/2	957.91	1/2	697.43	1/2	435.83	1/2	174.16	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,475.42	3/4	1,213.78	3/4	952.49	3/4	691.99	3/4	430.37	3/4	168.71	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,469.97	9	1,208.33	9	947.08	9	686.54	9	424.92	9	163.26	9		9	9	9	9	9	9
1/4	1,464.52	1/4	1,202.88	1/4	941.66	1/4	681.09	1/4	419.47	1/4	157.81	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,459.08	1/2	1,197.42	1/2	936.25	1/2	675.65	1/2	414.02	1/2	152.35	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,453.63	3/4	1,191.97	3/4	930.83	3/4	670.20	3/4	408.57	3/4	146.90	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,448.18	10	1,186.52	10	925.42	10	664.75	10	403.12	10	141.45	10		10	10	10	10	10	10
1/4	1,442.73	1/4	1,181.07	1/4	920.00	1/4	659.31	1/4	397.67	1/4	136.01	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,437.28	1/2	1,175.62	1/2	914.59	1/2	653.86	1/2	392.22	1/2	130.56	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,431.83	3/4	1,170.17	3/4	909.17	3/4	648.42	3/4	386.76	3/4	125.12	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,426.39	11	1,164.71	11	903.76	11	642.97	11	381.31	11	119.67	11		11	11	11	11	11	11
1/4	1,420.94	1/4	1,159.26	1/4	898.34	1/4	637.52	1/4	375.86	1/4	114.23	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,415.49	1/2	1,153.81	1/2	892.92	1/2	632.07	1/2	370.41	1/2	108.80	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,410.04	3/4	1,148.36	3/4	887.51	3/4	626.62	3/4	364.96	3/4	103.36	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/31/2013 SW  
CALCULATED: 05/31/2013 CL  
VERIFIED: 07/03/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2023

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
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