



# BARGE "KIRBY 10129"

## ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 CENTER	00-1/8	- 00-1/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8
2 CENTER	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2
3 CENTER	00-0/8	- 00-0/8	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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"  
 AFT DRAFT = 4'-00"  
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 CENTER IS - 00-3/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 5/8"

LENGTH BETWEEN DRAFT MARKS: 163'-03"

February 12, 2015

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 10129"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

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	0	0	0	3,757.24	0	3,536.83	0	3,284.41	0	3,031.99	0	2,772.14	0	2,477.08	0	2,181.35
1/4		1/4		1/4		1/4	3,756.21	1/4	3,531.57	1/4	3,279.15	1/4	3,026.73	1/4	2,766.00	1/4	2,470.92	1/4	2,175.19
1/2		1/2		1/2		1/2	3,755.18	1/2	3,526.31	1/2	3,273.89	1/2	3,021.47	1/2	2,759.85	1/2	2,464.75	1/2	2,169.03
3/4		3/4		3/4		3/4	3,754.15	3/4	3,521.05	3/4	3,268.63	3/4	3,016.21	3/4	2,753.71	3/4	2,458.59	3/4	2,162.87
1	1	1	1	1	1	1	3,753.12	1	3,515.79	1	3,263.37	1	3,010.96	1	2,747.57	1	2,452.43	1	2,156.70
1/4		1/4		1/4		1/4	3,750.03	1/4	3,510.53	1/4	3,258.11	1/4	3,005.70	1/4	2,741.43	1/4	2,446.27	1/4	2,150.54
1/2		1/2		1/2		1/2	3,746.93	1/2	3,505.27	1/2	3,252.86	1/2	3,000.44	1/2	2,735.28	1/2	2,440.11	1/2	2,144.38
3/4		3/4		3/4		3/4	3,743.84	3/4	3,500.01	3/4	3,247.60	3/4	2,995.18	3/4	2,729.14	3/4	2,433.95	3/4	2,138.22
2	2	2	2	2	2	2	3,740.75	2	3,494.76	2	3,242.34	2	2,989.92	2	2,723.00	2	2,427.79	2	2,132.06
1/4		1/4		1/4		1/4	3,736.61	1/4	3,489.50	1/4	3,237.08	1/4	2,984.66	1/4	2,716.86	1/4	2,421.63	1/4	2,125.90
1/2		1/2		1/2		1/2	3,732.46	1/2	3,484.24	1/2	3,231.82	1/2	2,979.40	1/2	2,710.71	1/2	2,415.47	1/2	2,119.74
3/4		3/4		3/4		3/4	3,728.32	3/4	3,478.98	3/4	3,226.56	3/4	2,974.14	3/4	2,704.57	3/4	2,409.31	3/4	2,113.58
3	3	3	3	3	3	3	3,724.18	3	3,473.72	3	3,221.30	3	2,968.89	3	2,698.43	3	2,403.14	3	2,107.42
1/4		1/4		1/4		1/4	3,719.06	1/4	3,468.46	1/4	3,216.04	1/4	2,963.63	1/4	2,692.29	1/4	2,396.98	1/4	2,101.26
1/2		1/2		1/2		1/2	3,713.93	1/2	3,463.20	1/2	3,210.79	1/2	2,958.37	1/2	2,686.14	1/2	2,390.82	1/2	2,095.09
3/4		3/4		3/4		3/4	3,708.81	3/4	3,457.94	3/4	3,205.53	3/4	2,953.11	3/4	2,680.00	3/4	2,384.66	3/4	2,088.93
4	4	4	4	4	4	4	3,703.68	4	3,452.69	4	3,200.27	4	2,947.85	4	2,673.86	4	2,378.50	4	2,082.77
1/4		1/4		1/4		1/4	3,698.52	1/4	3,447.43	1/4	3,195.01	1/4	2,942.59	1/4	2,667.72	1/4	2,372.34	1/4	2,076.61
1/2		1/2		1/2		1/2	3,693.36	1/2	3,442.17	1/2	3,189.75	1/2	2,937.33	1/2	2,661.57	1/2	2,366.18	1/2	2,070.45
3/4		3/4		3/4		3/4	3,688.20	3/4	3,436.91	3/4	3,184.49	3/4	2,932.07	3/4	2,655.43	3/4	2,360.02	3/4	2,064.29
5	5	5	5	5	5	5	3,683.04	5	3,431.65	5	3,179.23	5	2,926.82	5	2,649.29	5	2,353.86	5	2,058.13
1/4		1/4		1/4		1/4	3,677.87	1/4	3,426.39	1/4	3,173.98	1/4	2,921.56	1/4	2,643.15	1/4	2,347.70	1/4	2,051.97
1/2		1/2		1/2		1/2	3,672.69	1/2	3,421.13	1/2	3,168.72	1/2	2,916.30	1/2	2,637.00	1/2	2,341.53	1/2	2,045.81
3/4		3/4		3/4		3/4	3,667.52	3/4	3,415.88	3/4	3,163.46	3/4	2,911.04	3/4	2,630.86	3/4	2,335.37	3/4	2,039.65
6	6	6	6	6	6	6	3,662.35	6	3,410.62	6	3,158.20	6	2,905.78	6	2,624.72	6	2,329.21	6	2,033.48
1/4		1/4		1/4		1/4	3,657.17	1/4	3,405.36	1/4	3,152.94	1/4	2,900.52	1/4	2,618.58	1/4	2,323.05	1/4	2,027.32
1/2		1/2		1/2		1/2	3,652.00	1/2	3,400.10	1/2	3,147.68	1/2	2,895.26	1/2	2,612.43	1/2	2,316.89	1/2	2,021.16
3/4		3/4		3/4		3/4	3,646.83	3/4	3,394.84	3/4	3,142.42	3/4	2,890.01	3/4	2,606.29	3/4	2,310.73	3/4	2,015.00
7	7	7	7	7	7	7	3,641.65	7	3,389.58	7	3,137.16	7	2,884.75	7	2,600.15	7	2,304.57	7	2,008.84
1/4		1/4		1/4		1/4	3,636.48	1/4	3,384.32	1/4	3,131.91	1/4	2,879.49	1/4	2,594.01	1/4	2,298.41	1/4	2,002.68
1/2		1/2		1/2		1/2	3,631.31	1/2	3,379.06	1/2	3,126.65	1/2	2,874.23	1/2	2,587.86	1/2	2,292.25	1/2	1,996.52
3/4		3/4		3/4		3/4	3,626.14	3/4	3,373.81	3/4	3,121.39	3/4	2,868.97	3/4	2,581.72	3/4	2,286.09	3/4	1,990.36
8	8	8	8	8	8	8	3,620.96	8	3,368.55	8	3,116.13	8	2,863.71	8	2,575.58	8	2,279.92	8	1,984.20
1/4		1/4		1/4		1/4	3,615.71	1/4	3,363.29	1/4	3,110.87	1/4	2,858.43	1/4	2,569.44	1/4	2,273.76	1/4	1,978.04
1/2		1/2		1/2		1/2	3,610.45	1/2	3,358.03	1/2	3,105.61	1/2	2,853.14	1/2	2,563.29	1/2	2,267.60	1/2	1,971.87
3/4		3/4		3/4		3/4	3,605.19	3/4	3,352.77	3/4	3,100.35	3/4	2,847.86	3/4	2,557.15	3/4	2,261.44	3/4	1,965.71
9	9	9	9	9	9	9	3,599.93	9	3,347.51	9	3,095.09	9	2,842.58	9	2,551.01	9	2,255.28	9	1,959.55
1/4		1/4		1/4		1/4	3,594.67	1/4	3,342.25	1/4	3,089.84	1/4	2,837.29	1/4	2,544.85	1/4	2,249.12	1/4	1,953.39
1/2		1/2		1/2		1/2	3,589.41	1/2	3,336.99	1/2	3,084.58	1/2	2,832.01	1/2	2,538.69	1/2	2,242.96	1/2	1,947.23
3/4		3/4		3/4		3/4	3,584.15	3/4	3,331.74	3/4	3,079.32	3/4	2,826.73	3/4	2,532.53	3/4	2,236.80	3/4	1,941.07
10	10	10	10	10	10	10	3,578.89	10	3,326.48	10	3,074.06	10	2,821.44	10	2,526.36	10	2,230.64	10	1,934.91
1/4		1/4		1/4		1/4	3,573.64	1/4	3,321.22	1/4	3,068.80	1/4	2,815.26	1/4	2,520.20	1/4	2,224.48	1/4	1,928.75
1/2		1/2		1/2		1/2	3,568.38	1/2	3,315.96	1/2	3,063.54	1/2	2,809.08	1/2	2,514.04	1/2	2,218.31	1/2	1,922.59
3/4		3/4		3/4		3/4	3,563.12	3/4	3,310.70	3/4	3,058.28	3/4	2,802.89	3/4	2,507.88	3/4	2,212.15	3/4	1,916.43
11	11	11	11	11	11	11	3,557.86	11	3,305.44	11	3,053.02	11	2,796.71	11	2,501.72	11	2,205.99	11	1,910.26
1/4		1/4		1/4		1/4	3,552.60	1/4	3,300.18	1/4	3,047.77	1/4	2,790.57	1/4	2,495.56	1/4	2,199.83	1/4	1,904.10
1/2		1/2		1/2		1/2	3,547.34	1/2	3,294.93	1/2	3,042.51	1/2	2,784.42	1/2	2,489.40	1/2	2,193.67	1/2	1,897.94
3/4		3/4		3/4		3/4	3,542.08	3/4	3,289.67	3/4	3,037.25	3/4	2,778.28	3/4	2,483.24	3/4	2,187.51	3/4	1,891.78

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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# BARGE "KIRBY 10129"

## 1 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	1,885.62	0	1,589.66	0	1,293.52	0	997.38	0	707.25	0	410.99	0	114.65	0		0		0	
1/4	1,879.46	1/4	1,583.49	1/4	1,287.35	1/4	991.21	1/4	701.10	1/4	404.81	1/4	108.50	1/4		1/4		1/4	
1/2	1,873.30	1/2	1,577.32	1/2	1,281.18	1/2	985.04	1/2	694.94	1/2	398.64	1/2	102.36	1/2		1/2		1/2	
3/4	1,867.14	3/4	1,571.15	3/4	1,275.01	3/4	978.87	3/4	688.79	3/4	392.46	3/4	96.21	3/4		3/4		3/4	
1	1,860.98	1	1,564.98	1	1,268.84	1	972.70	1	682.63	1	386.29	1	90.06	1		1		1	
1/4	1,854.82	1/4	1,558.81	1/4	1,262.67	1/4	966.59	1/4	676.46	1/4	380.12	1/4	83.95	1/4		1/4		1/4	
1/2	1,848.65	1/2	1,552.64	1/2	1,256.50	1/2	960.48	1/2	670.28	1/2	373.94	1/2	77.84	1/2		1/2		1/2	
3/4	1,842.49	3/4	1,546.47	3/4	1,250.33	3/4	954.38	3/4	664.11	3/4	367.77	3/4	71.72	3/4		3/4		3/4	
2	1,836.33	2	1,540.30	2	1,244.16	2	948.27	2	657.94	2	361.60	2	65.61	2		2		2	
1/4	1,830.17	1/4	1,534.13	1/4	1,237.99	1/4	942.23	1/4	651.77	1/4	355.42	1/4	59.55	1/4		1/4		1/4	
1/2	1,824.01	1/2	1,527.96	1/2	1,231.82	1/2	936.18	1/2	645.59	1/2	349.25	1/2	53.49	1/2		1/2		1/2	
3/4	1,817.85	3/4	1,521.79	3/4	1,225.65	3/4	930.14	3/4	639.42	3/4	343.07	3/4	47.43	3/4		3/4		3/4	
3	1,811.69	3	1,515.62	3	1,219.48	3	924.09	3	633.25	3	336.90	3	41.38	3		3		3	
1/4	1,805.52	1/4	1,509.45	1/4	1,213.31	1/4	918.05	1/4	627.07	1/4	330.73	1/4	36.23	1/4		1/4		1/4	
1/2	1,799.35	1/2	1,503.28	1/2	1,207.14	1/2	912.01	1/2	620.90	1/2	324.55	1/2	31.09	1/2		1/2		1/2	
3/4	1,793.18	3/4	1,497.11	3/4	1,200.97	3/4	905.96	3/4	614.73	3/4	318.38	3/4	25.94	3/4		3/4		3/4	
4	1,787.01	4	1,490.94	4	1,194.80	4	899.92	4	608.55	4	312.20	4	20.79	4		4		4	
1/4	1,780.84	1/4	1,484.77	1/4	1,188.63	1/4	893.89	1/4	602.38	1/4	306.03	1/4	17.70	1/4		1/4		1/4	
1/2	1,774.67	1/2	1,478.60	1/2	1,182.46	1/2	887.87	1/2	596.20	1/2	299.86	1/2	14.61	1/2		1/2		1/2	
3/4	1,768.50	3/4	1,472.44	3/4	1,176.29	3/4	881.84	3/4	590.03	3/4	293.68	3/4	11.52	3/4		3/4		3/4	
5	1,762.33	5	1,466.27	5	1,170.12	5	875.81	5	583.86	5	287.51	5	8.42	5		5		5	
1/4	1,756.16	1/4	1,460.10	1/4	1,163.96	1/4	869.80	1/4	577.68	1/4	281.33	1/4	7.39	1/4		1/4		1/4	
1/2	1,749.99	1/2	1,453.93	1/2	1,157.79	1/2	863.79	1/2	571.51	1/2	275.16	1/2	6.36	1/2		1/2		1/2	
3/4	1,743.82	3/4	1,447.76	3/4	1,151.62	3/4	857.78	3/4	565.33	3/4	268.99	3/4	5.33	3/4		3/4		3/4	
6	1,737.66	6	1,441.59	6	1,145.45	6	851.77	6	559.16	6	262.81	6	4.30	6		6		6	
1/4	1,731.49	1/4	1,435.42	1/4	1,139.28	1/4	845.76	1/4	552.99	1/4	256.64	1/4		1/4		1/4		1/4	
1/2	1,725.32	1/2	1,429.25	1/2	1,133.11	1/2	839.75	1/2	546.81	1/2	250.47	1/2		1/2		1/2		1/2	
3/4	1,719.15	3/4	1,423.08	3/4	1,126.94	3/4	833.74	3/4	540.64	3/4	244.29	3/4		3/4		3/4		3/4	
7	1,712.98	7	1,416.91	7	1,120.77	7	827.73	7	534.46	7	238.12	7		7		7		7	
1/4	1,706.82	1/4	1,410.74	1/4	1,114.60	1/4	821.71	1/4	528.29	1/4	231.94	1/4		1/4		1/4		1/4	
1/2	1,700.65	1/2	1,404.57	1/2	1,108.43	1/2	815.70	1/2	522.12	1/2	225.77	1/2		1/2		1/2		1/2	
3/4	1,694.48	3/4	1,398.40	3/4	1,102.26	3/4	809.69	3/4	515.94	3/4	219.60	3/4		3/4		3/4		3/4	
8	1,688.32	8	1,392.23	8	1,096.09	8	803.68	8	509.77	8	213.42	8		8		8		8	
1/4	1,682.15	1/4	1,386.06	1/4	1,089.92	1/4	797.67	1/4	503.60	1/4	207.25	1/4		1/4		1/4		1/4	
1/2	1,675.99	1/2	1,379.89	1/2	1,083.75	1/2	791.66	1/2	497.42	1/2	201.07	1/2		1/2		1/2		1/2	
3/4	1,669.82	3/4	1,373.72	3/4	1,077.58	3/4	785.65	3/4	491.25	3/4	194.90	3/4		3/4		3/4		3/4	
9	1,663.65	9	1,367.55	9	1,071.41	9	779.64	9	485.07	9	188.73	9		9		9		9	
1/4	1,657.49	1/4	1,361.38	1/4	1,065.24	1/4	773.63	1/4	478.90	1/4	182.55	1/4		1/4		1/4		1/4	
1/2	1,651.32	1/2	1,355.21	1/2	1,059.07	1/2	767.62	1/2	472.73	1/2	176.38	1/2		1/2		1/2		1/2	
3/4	1,645.15	3/4	1,349.04	3/4	1,052.90	3/4	761.61	3/4	466.55	3/4	170.21	3/4		3/4		3/4		3/4	
10	1,638.99	10	1,342.87	10	1,046.73	10	755.59	10	460.38	10	164.03	10		10		10		10	
1/4	1,632.82	1/4	1,336.70	1/4	1,040.56	1/4	749.58	1/4	454.20	1/4	157.85	1/4		1/4		1/4		1/4	
1/2	1,626.66	1/2	1,330.53	1/2	1,034.39	1/2	743.57	1/2	448.03	1/2	151.67	1/2		1/2		1/2		1/2	
3/4	1,620.49	3/4	1,324.36	3/4	1,028.22	3/4	737.56	3/4	441.86	3/4	145.50	3/4		3/4		3/4		3/4	
11	1,614.32	11	1,318.20	11	1,022.05	11	731.55	11	435.68	11	139.32	11		11		11		11	
1/4	1,608.16	1/4	1,312.03	1/4	1,015.88	1/4	725.48	1/4	429.51	1/4	133.15	1/4		1/4		1/4		1/4	
1/2	1,601.99	1/2	1,305.86	1/2	1,009.72	1/2	719.40	1/2	423.33	1/2	126.98	1/2		1/2		1/2		1/2	
3/4	1,595.82	3/4	1,299.69	3/4	1,003.55	3/4	713.33	3/4	417.16	3/4	120.82	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/11/2015 CL  
CALCULATED: 02/12/2015 CL  
PRINTED: 02/12/2015 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2015

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



# BARGE "KIRBY 10129"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/4"

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	0	0	0	0	0	3,246.54	0	2,985.29	0	2,724.05	0	2,462.36	0	2,199.72	0	1,937.08
1/4		1/4		1/4		1/4	3,467.19	1/4	3,241.09	1/4	2,979.85	1/4	2,718.60	1/4	2,456.89	1/4	2,194.25	1/4	1,931.61
1/2		1/2		1/2		1/2	3,466.28	1/2	3,235.65	1/2	2,974.41	1/2	2,713.16	1/2	2,451.42	1/2	2,188.78	1/2	1,926.14
3/4		3/4		3/4		3/4	3,465.37	3/4	3,230.21	3/4	2,968.96	3/4	2,707.72	3/4	2,445.95	3/4	2,183.31	3/4	1,920.67
1	1	1	1	1	1	1	3,464.46	1	3,224.76	1	2,963.52	1	2,702.28	1	2,440.48	1	2,177.84	1	1,915.19
1/4		1/4		1/4		1/4	3,463.54	1/4	3,219.32	1/4	2,958.08	1/4	2,696.83	1/4	2,435.01	1/4	2,172.36	1/4	1,909.72
1/2		1/2		1/2		1/2	3,460.81	1/2	3,213.88	1/2	2,952.63	1/2	2,691.39	1/2	2,429.53	1/2	2,166.89	1/2	1,904.25
3/4		3/4		3/4		3/4	3,458.07	3/4	3,208.44	3/4	2,947.19	3/4	2,685.95	3/4	2,424.06	3/4	2,161.42	3/4	1,898.78
2	2	2	2	2	2	2	3,455.33	2	3,202.99	2	2,941.75	2	2,680.50	2	2,418.59	2	2,155.95	2	1,893.31
1/4		1/4		1/4		1/4	3,452.59	1/4	3,197.55	1/4	2,936.31	1/4	2,675.06	1/4	2,413.12	1/4	2,150.48	1/4	1,887.84
1/2		1/2		1/2		1/2	3,448.16	1/2	3,192.11	1/2	2,930.86	1/2	2,669.62	1/2	2,407.65	1/2	2,145.01	1/2	1,882.36
3/4		3/4		3/4		3/4	3,443.73	3/4	3,186.67	3/4	2,925.42	3/4	2,664.18	3/4	2,402.18	3/4	2,139.53	3/4	1,876.89
3	3	3	3	3	3	3	3,439.29	3	3,181.22	3	2,919.98	3	2,658.73	3	2,396.70	3	2,134.06	3	1,871.42
1/4		1/4		1/4		1/4	3,434.86	1/4	3,175.78	1/4	2,914.54	1/4	2,653.29	1/4	2,391.23	1/4	2,128.59	1/4	1,865.95
1/2		1/2		1/2		1/2	3,429.56	1/2	3,170.34	1/2	2,909.09	1/2	2,647.85	1/2	2,385.76	1/2	2,123.12	1/2	1,860.48
3/4		3/4		3/4		3/4	3,424.25	3/4	3,164.90	3/4	2,903.65	3/4	2,642.41	3/4	2,380.29	3/4	2,117.65	3/4	1,855.01
4	4	4	4	4	4	4	3,418.95	4	3,159.45	4	2,898.21	4	2,636.96	4	2,374.82	4	2,112.18	4	1,849.53
1/4		1/4		1/4		1/4	3,413.65	1/4	3,154.01	1/4	2,892.77	1/4	2,631.52	1/4	2,369.35	1/4	2,106.70	1/4	1,844.06
1/2		1/2		1/2		1/2	3,408.31	1/2	3,148.57	1/2	2,887.32	1/2	2,626.08	1/2	2,363.87	1/2	2,101.23	1/2	1,838.59
3/4		3/4		3/4		3/4	3,402.98	3/4	3,143.13	3/4	2,881.88	3/4	2,620.64	3/4	2,358.40	3/4	2,095.76	3/4	1,833.12
5	5	5	5	5	5	5	3,397.64	5	3,137.68	5	2,876.44	5	2,615.19	5	2,352.93	5	2,090.29	5	1,827.65
1/4		1/4		1/4		1/4	3,392.31	1/4	3,132.24	1/4	2,871.00	1/4	2,609.75	1/4	2,347.46	1/4	2,084.82	1/4	1,822.18
1/2		1/2		1/2		1/2	3,386.96	1/2	3,126.80	1/2	2,865.55	1/2	2,604.31	1/2	2,341.99	1/2	2,079.35	1/2	1,816.70
3/4		3/4		3/4		3/4	3,381.61	3/4	3,121.36	3/4	2,860.11	3/4	2,598.87	3/4	2,336.52	3/4	2,073.87	3/4	1,811.23
6	6	6	6	6	6	6	3,376.27	6	3,115.91	6	2,854.67	6	2,593.42	6	2,331.04	6	2,068.40	6	1,805.76
1/4		1/4		1/4		1/4	3,370.92	1/4	3,110.47	1/4	2,849.23	1/4	2,587.98	1/4	2,325.57	1/4	2,062.93	1/4	1,800.29
1/2		1/2		1/2		1/2	3,365.58	1/2	3,105.03	1/2	2,843.78	1/2	2,582.54	1/2	2,320.10	1/2	2,057.46	1/2	1,794.82
3/4		3/4		3/4		3/4	3,360.23	3/4	3,099.59	3/4	2,838.34	3/4	2,577.10	3/4	2,314.63	3/4	2,051.99	3/4	1,789.35
7	7	7	7	7	7	7	3,354.89	7	3,094.14	7	2,832.90	7	2,571.65	7	2,309.16	7	2,046.52	7	1,783.87
1/4		1/4		1/4		1/4	3,349.55	1/4	3,088.70	1/4	2,827.46	1/4	2,566.21	1/4	2,303.69	1/4	2,041.04	1/4	1,778.40
1/2		1/2		1/2		1/2	3,344.20	1/2	3,083.26	1/2	2,822.01	1/2	2,560.77	1/2	2,298.21	1/2	2,035.57	1/2	1,772.93
3/4		3/4		3/4		3/4	3,338.86	3/4	3,077.81	3/4	2,816.57	3/4	2,555.33	3/4	2,292.74	3/4	2,030.10	3/4	1,767.46
8	8	8	8	8	8	8	3,333.52	8	3,072.37	8	2,811.13	8	2,549.88	8	2,287.27	8	2,024.63	8	1,761.99
1/4		1/4		1/4		1/4	3,328.17	1/4	3,066.93	1/4	2,805.68	1/4	2,544.44	1/4	2,281.80	1/4	2,019.16	1/4	1,756.52
1/2		1/2		1/2		1/2	3,322.73	1/2	3,061.49	1/2	2,800.24	1/2	2,538.97	1/2	2,276.33	1/2	2,013.68	1/2	1,751.04
3/4		3/4		3/4		3/4	3,317.29	3/4	3,056.04	3/4	2,794.80	3/4	2,533.50	3/4	2,270.85	3/4	2,008.21	3/4	1,745.57
9	9	9	9	9	9	9	3,311.85	9	3,050.60	9	2,789.36	9	2,528.02	9	2,265.38	9	2,002.74	9	1,740.10
1/4		1/4		1/4		1/4	3,306.40	1/4	3,045.16	1/4	2,783.91	1/4	2,522.55	1/4	2,259.91	1/4	1,997.27	1/4	1,734.63
1/2		1/2		1/2		1/2	3,300.96	1/2	3,039.72	1/2	2,778.47	1/2	2,517.08	1/2	2,254.44	1/2	1,991.80	1/2	1,729.16
3/4		3/4		3/4		3/4	3,295.52	3/4	3,034.27	3/4	2,773.03	3/4	2,511.61	3/4	2,248.97	3/4	1,986.33	3/4	1,723.68
10	10	10	10	10	10	10	3,290.08	10	3,028.83	10	2,767.59	10	2,506.14	10	2,243.50	10	1,980.85	10	1,718.21
1/4		1/4		1/4		1/4	3,284.63	1/4	3,023.39	1/4	2,762.14	1/4	2,500.67	1/4	2,238.02	1/4	1,975.38	1/4	1,712.74
1/2		1/2		1/2		1/2	3,279.19	1/2	3,017.95	1/2	2,756.70	1/2	2,495.19	1/2	2,232.55	1/2	1,969.91	1/2	1,707.27
3/4		3/4		3/4		3/4	3,273.75	3/4	3,012.50	3/4	2,751.26	3/4	2,489.72	3/4	2,227.08	3/4	1,964.44	3/4	1,701.80
11	11	11	11	11	11	11	3,268.31	11	3,007.06	11	2,745.82	11	2,484.25	11	2,221.61	11	1,958.97	11	1,696.33
1/4		1/4		1/4		1/4	3,262.86	1/4	3,001.62	1/4	2,740.37	1/4	2,478.78	1/4	2,216.14	1/4	1,953.50	1/4	1,690.85
1/2		1/2		1/2		1/2	3,257.42	1/2	2,996.18	1/2	2,734.93	1/2	2,473.31	1/2	2,210.67	1/2	1,948.02	1/2	1,685.38
3/4		3/4		3/4		3/4	3,251.98	3/4	2,990.73	3/4	2,729.49	3/4	2,467.84	3/4	2,205.19	3/4	1,942.55	3/4	1,679.91

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'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "KIRBY 10129"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/4"

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	1,674.44	0	1,411.80	0	1,148.99	0	887.96	0	629.26	0	366.52	0	103.80	0		0		0	
1/4	1,668.97	1/4	1,406.33	1/4	1,143.52	1/4	882.57	1/4	623.83	1/4	361.04	1/4	98.35	1/4		1/4		1/4	
1/2	1,663.50	1/2	1,400.85	1/2	1,138.04	1/2	877.18	1/2	618.36	1/2	355.57	1/2	92.91	1/2		1/2		1/2	
3/4	1,658.02	3/4	1,395.38	3/4	1,132.57	3/4	871.79	3/4	612.88	3/4	350.10	3/4	87.47	3/4		3/4		3/4	
1	1,652.55	1	1,389.90	1	1,127.09	1	866.40	1	607.41	1	344.62	1	82.03	1		1		1	
1/4	1,647.08	1/4	1,384.43	1/4	1,121.62	1/4	861.01	1/4	601.94	1/4	339.15	1/4	76.59	1/4		1/4		1/4	
1/2	1,641.61	1/2	1,378.95	1/2	1,116.14	1/2	855.61	1/2	596.46	1/2	333.67	1/2	71.17	1/2		1/2		1/2	
3/4	1,636.14	3/4	1,373.48	3/4	1,110.67	3/4	850.22	3/4	590.99	3/4	328.20	3/4	65.76	3/4		3/4		3/4	
2	1,630.67	2	1,368.00	2	1,105.19	2	844.83	2	585.51	2	322.72	2	60.35	2		2		2	
1/4	1,625.19	1/4	1,362.52	1/4	1,099.72	1/4	839.44	1/4	580.04	1/4	317.25	1/4	54.94	1/4		1/4		1/4	
1/2	1,619.72	1/2	1,357.05	1/2	1,094.24	1/2	834.05	1/2	574.56	1/2	311.77	1/2	49.58	1/2		1/2		1/2	
3/4	1,614.25	3/4	1,351.57	3/4	1,088.76	3/4	828.66	3/4	569.09	3/4	306.30	3/4	44.22	3/4		3/4		3/4	
3	1,608.78	3	1,346.10	3	1,083.29	3	823.27	3	563.61	3	300.82	3	38.85	3		3		3	
1/4	1,603.31	1/4	1,340.62	1/4	1,077.81	1/4	817.88	1/4	558.14	1/4	295.35	1/4	33.49	1/4		1/4		1/4	
1/2	1,597.84	1/2	1,335.15	1/2	1,072.34	1/2	812.50	1/2	552.66	1/2	289.87	1/2	28.94	1/2		1/2		1/2	
3/4	1,592.36	3/4	1,329.67	3/4	1,066.86	3/4	807.11	3/4	547.19	3/4	284.40	3/4	24.38	3/4		3/4		3/4	
4	1,586.89	4	1,324.20	4	1,061.39	4	801.73	4	541.71	4	278.92	4	19.83	4		4		4	
1/4	1,581.42	1/4	1,318.72	1/4	1,055.91	1/4	796.34	1/4	536.24	1/4	273.45	1/4	15.27	1/4		1/4		1/4	
1/2	1,575.95	1/2	1,313.25	1/2	1,050.44	1/2	790.96	1/2	530.76	1/2	267.97	1/2	12.54	1/2		1/2		1/2	
3/4	1,570.48	3/4	1,307.77	3/4	1,044.96	3/4	785.57	3/4	525.29	3/4	262.50	3/4	9.80	3/4		3/4		3/4	
5	1,565.01	5	1,302.30	5	1,039.49	5	780.18	5	519.81	5	257.02	5	7.06	5		5		5	
1/4	1,559.53	1/4	1,296.82	1/4	1,034.01	1/4	774.80	1/4	514.34	1/4	251.55	1/4	4.33	1/4		1/4		1/4	
1/2	1,554.06	1/2	1,291.35	1/2	1,028.54	1/2	769.41	1/2	508.86	1/2	246.07	1/2	3.41	1/2		1/2		1/2	
3/4	1,548.59	3/4	1,285.87	3/4	1,023.06	3/4	764.03	3/4	503.39	3/4	240.60	3/4	2.50	3/4		3/4		3/4	
6	1,543.12	6	1,280.40	6	1,017.59	6	758.64	6	497.91	6	235.12	6	1.59	6		6		6	
1/4	1,537.65	1/4	1,274.92	1/4	1,012.11	1/4	753.26	1/4	492.44	1/4	229.65	1/4	0.68	1/4		1/4		1/4	
1/2	1,532.18	1/2	1,269.45	1/2	1,006.68	1/2	747.87	1/2	486.97	1/2	224.17	1/2		1/2		1/2		1/2	
3/4	1,526.70	3/4	1,263.97	3/4	1,001.24	3/4	742.49	3/4	481.49	3/4	218.70	3/4		3/4		3/4		3/4	
7	1,521.23	7	1,258.50	7	995.81	7	737.10	7	476.02	7	213.23	7		7		7		7	
1/4	1,515.76	1/4	1,253.02	1/4	990.38	1/4	731.72	1/4	470.54	1/4	207.75	1/4		1/4		1/4		1/4	
1/2	1,510.29	1/2	1,247.55	1/2	984.99	1/2	726.33	1/2	465.07	1/2	202.28	1/2		1/2		1/2		1/2	
3/4	1,504.82	3/4	1,242.07	3/4	979.60	3/4	720.95	3/4	459.59	3/4	196.80	3/4		3/4		3/4		3/4	
8	1,499.35	8	1,236.60	8	974.21	8	715.56	8	454.12	8	191.33	8		8		8		8	
1/4	1,493.87	1/4	1,231.12	1/4	968.82	1/4	710.18	1/4	448.64	1/4	185.85	1/4		1/4		1/4		1/4	
1/2	1,488.40	1/2	1,225.64	1/2	963.42	1/2	704.79	1/2	443.17	1/2	180.38	1/2		1/2		1/2		1/2	
3/4	1,482.93	3/4	1,220.17	3/4	958.03	3/4	699.41	3/4	437.69	3/4	174.90	3/4		3/4		3/4		3/4	
9	1,477.46	9	1,214.69	9	952.64	9	694.02	9	432.22	9	169.43	9		9		9		9	
1/4	1,471.99	1/4	1,209.22	1/4	947.25	1/4	688.64	1/4	426.74	1/4	163.95	1/4		1/4		1/4		1/4	
1/2	1,466.51	1/2	1,203.74	1/2	941.86	1/2	683.25	1/2	421.27	1/2	158.48	1/2		1/2		1/2		1/2	
3/4	1,461.04	3/4	1,198.27	3/4	936.47	3/4	677.87	3/4	415.79	3/4	153.00	3/4		3/4		3/4		3/4	
10	1,455.57	10	1,192.79	10	931.08	10	672.48	10	410.32	10	147.53	10		10		10		10	
1/4	1,450.10	1/4	1,187.32	1/4	925.69	1/4	667.10	1/4	404.84	1/4	142.06	1/4		1/4		1/4		1/4	
1/2	1,444.63	1/2	1,181.84	1/2	920.30	1/2	661.71	1/2	399.37	1/2	136.59	1/2		1/2		1/2		1/2	
3/4	1,439.16	3/4	1,176.37	3/4	914.91	3/4	656.33	3/4	393.89	3/4	131.12	3/4		3/4		3/4		3/4	
11	1,433.68	11	1,170.89	11	909.52	11	650.94	11	388.42	11	125.65	11		11		11		11	
1/4	1,428.21	1/4	1,165.42	1/4	904.13	1/4	645.56	1/4	382.94	1/4	120.18	1/4		1/4		1/4		1/4	
1/2	1,422.74	1/2	1,159.94	1/2	898.74	1/2	640.13	1/2	377.47	1/2	114.72	1/2		1/2		1/2		1/2	
3/4	1,417.27	3/4	1,154.47	3/4	893.35	3/4	634.70	3/4	371.99	3/4	109.26	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/11/2015 CL  
CALCULATED: 02/12/2015 CL  
PRINTED: 02/12/2015 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2015

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



# BARGE "KIRBY 10129"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 3/4"

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	0	0	0	0	0	3,237.25	0	2,977.98	0	2,718.70	0	2,459.04	0	2,198.37	0	1,937.70
1/4		1/4		1/4		1/4		1/4	3,231.85	1/4	2,972.57	1/4	2,713.30	1/4	2,453.61	1/4	2,192.94	1/4	1,932.27
1/2		1/2		1/2		1/2		1/2	3,226.45	1/2	2,967.17	1/2	2,707.90	1/2	2,448.18	1/2	2,187.51	1/2	1,926.84
3/4		3/4		3/4		3/4		3/4	3,445.45	3/4	3,221.05	3/4	2,961.77	3/4	2,702.49	3/4	2,442.75	3/4	2,182.08
1	1	1	1	1	1	1	1	1	3,444.55	1	3,215.65	1	2,956.37	1	2,697.09	1	2,437.32	1	2,176.65
1/4		1/4		1/4		1/4		1/4	3,443.64	1/4	3,210.25	1/4	2,950.97	1/4	2,691.69	1/4	2,431.89	1/4	2,171.22
1/2		1/2		1/2		1/2		1/2	3,442.74	1/2	3,204.84	1/2	2,945.57	1/2	2,686.29	1/2	2,426.46	1/2	2,165.79
3/4		3/4		3/4		3/4		3/4	3,441.83	3/4	3,199.44	3/4	2,940.17	3/4	2,680.89	3/4	2,421.03	3/4	2,160.36
2	2	2	2	2	2	2	2	2	3,439.11	2	3,194.04	2	2,934.76	2	2,675.49	2	2,415.60	2	2,154.93
1/4		1/4		1/4		1/4		1/4	3,436.40	1/4	3,188.64	1/4	2,929.36	1/4	2,670.08	1/4	2,410.17	1/4	2,149.49
1/2		1/2		1/2		1/2		1/2	3,433.68	1/2	3,183.24	1/2	2,923.96	1/2	2,664.68	1/2	2,404.74	1/2	2,144.06
3/4		3/4		3/4		3/4		3/4	3,430.96	3/4	3,177.84	3/4	2,918.56	3/4	2,659.28	3/4	2,399.31	3/4	2,138.63
3	3	3	3	3	3	3	3	3	3,426.56	3	3,172.43	3	2,913.16	3	2,653.88	3	2,393.88	3	2,133.20
1/4		1/4		1/4		1/4		1/4	3,422.16	1/4	3,167.03	1/4	2,907.76	1/4	2,648.48	1/4	2,388.45	1/4	2,127.77
1/2		1/2		1/2		1/2		1/2	3,417.76	1/2	3,161.63	1/2	2,902.35	1/2	2,643.08	1/2	2,383.01	1/2	2,122.34
3/4		3/4		3/4		3/4		3/4	3,413.36	3/4	3,156.23	3/4	2,896.95	3/4	2,637.68	3/4	2,377.58	3/4	2,116.91
4	4	4	4	4	4	4	4	4	3,408.10	4	3,150.83	4	2,891.55	4	2,632.27	4	2,372.15	4	2,111.48
1/4		1/4		1/4		1/4		1/4	3,402.84	1/4	3,145.43	1/4	2,886.15	1/4	2,626.87	1/4	2,366.72	1/4	2,106.05
1/2		1/2		1/2		1/2		1/2	3,397.58	1/2	3,140.02	1/2	2,880.75	1/2	2,621.47	1/2	2,361.29	1/2	2,100.62
3/4		3/4		3/4		3/4		3/4	3,392.31	3/4	3,134.62	3/4	2,875.35	3/4	2,616.07	3/4	2,355.86	3/4	2,095.19
5	5	5	5	5	5	5	5	5	3,387.02	5	3,129.22	5	2,869.94	5	2,610.67	5	2,350.43	5	2,089.76
1/4		1/4		1/4		1/4		1/4	3,381.72	1/4	3,123.82	1/4	2,864.54	1/4	2,605.27	1/4	2,345.00	1/4	2,084.33
1/2		1/2		1/2		1/2		1/2	3,376.43	1/2	3,118.42	1/2	2,859.14	1/2	2,599.86	1/2	2,339.57	1/2	2,078.90
3/4		3/4		3/4		3/4		3/4	3,371.14	3/4	3,113.02	3/4	2,853.74	3/4	2,594.46	3/4	2,334.14	3/4	2,073.46
6	6	6	6	6	6	6	6	6	3,365.83	6	3,107.61	6	2,848.34	6	2,589.06	6	2,328.71	6	2,068.03
1/4		1/4		1/4		1/4		1/4	3,360.52	1/4	3,102.21	1/4	2,842.94	1/4	2,583.66	1/4	2,323.28	1/4	2,062.60
1/2		1/2		1/2		1/2		1/2	3,355.21	1/2	3,096.81	1/2	2,837.53	1/2	2,578.26	1/2	2,317.85	1/2	2,057.17
3/4		3/4		3/4		3/4		3/4	3,349.90	3/4	3,091.41	3/4	2,832.13	3/4	2,572.86	3/4	2,312.42	3/4	2,051.74
7	7	7	7	7	7	7	7	7	3,344.60	7	3,086.01	7	2,826.73	7	2,567.45	7	2,306.98	7	2,046.31
1/4		1/4		1/4		1/4		1/4	3,339.29	1/4	3,080.61	1/4	2,821.33	1/4	2,562.05	1/4	2,301.55	1/4	2,040.88
1/2		1/2		1/2		1/2		1/2	3,333.99	1/2	3,075.21	1/2	2,815.93	1/2	2,556.65	1/2	2,296.12	1/2	2,035.45
3/4		3/4		3/4		3/4		3/4	3,328.69	3/4	3,069.80	3/4	2,810.53	3/4	2,551.25	3/4	2,290.69	3/4	2,030.02
8	8	8	8	8	8	8	8	8	3,323.38	8	3,064.40	8	2,805.12	8	2,545.85	8	2,285.26	8	2,024.59
1/4		1/4		1/4		1/4		1/4	3,318.08	1/4	3,059.00	1/4	2,799.72	1/4	2,540.45	1/4	2,279.83	1/4	2,019.16
1/2		1/2		1/2		1/2		1/2	3,312.78	1/2	3,053.60	1/2	2,794.32	1/2	2,535.04	1/2	2,274.40	1/2	2,013.73
3/4		3/4		3/4		3/4		3/4	3,307.47	3/4	3,048.20	3/4	2,788.92	3/4	2,529.64	3/4	2,268.97	3/4	2,008.30
9	9	9	9	9	9	9	9	9	3,302.07	9	3,042.80	9	2,783.52	9	2,524.21	9	2,263.54	9	2,002.87
1/4		1/4		1/4		1/4		1/4	3,296.67	1/4	3,037.39	1/4	2,778.12	1/4	2,518.78	1/4	2,258.11	1/4	1,997.43
1/2		1/2		1/2		1/2		1/2	3,291.27	1/2	3,031.99	1/2	2,772.72	1/2	2,513.35	1/2	2,252.68	1/2	1,992.00
3/4		3/4		3/4		3/4		3/4	3,285.87	3/4	3,026.59	3/4	2,767.31	3/4	2,507.92	3/4	2,247.25	3/4	1,986.57
10	10	10	10	10	10	10	10	10	3,280.47	10	3,021.19	10	2,761.91	10	2,502.49	10	2,241.82	10	1,981.14
1/4		1/4		1/4		1/4		1/4	3,275.06	1/4	3,015.79	1/4	2,756.51	1/4	2,497.06	1/4	2,236.39	1/4	1,975.71
1/2		1/2		1/2		1/2		1/2	3,269.66	1/2	3,010.39	1/2	2,751.11	1/2	2,491.63	1/2	2,230.95	1/2	1,970.28
3/4		3/4		3/4		3/4		3/4	3,264.26	3/4	3,004.98	3/4	2,745.71	3/4	2,486.20	3/4	2,225.52	3/4	1,964.85
11	11	11	11	11	11	11	11	11	3,258.86	11	2,999.58	11	2,740.31	11	2,480.77	11	2,220.09	11	1,959.42
1/4		1/4		1/4		1/4		1/4	3,253.46	1/4	2,994.18	1/4	2,734.90	1/4	2,475.34	1/4	2,214.66	1/4	1,953.99
1/2		1/2		1/2		1/2		1/2	3,248.06	1/2	2,988.78	1/2	2,729.50	1/2	2,469.91	1/2	2,209.23	1/2	1,948.56
3/4		3/4		3/4		3/4		3/4	3,242.65	3/4	2,983.38	3/4	2,724.10	3/4	2,464.47	3/4	2,203.80	3/4	1,943.13

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'-00" FORWARD OF AFT BULKHEAD

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



# BARGE "KIRBY 10129"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 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	1,677.02	0	1,416.35	0	1,155.52	0	895.44	0	635.46	0	374.65	0	113.87	0		0		0	
1/4	1,671.59	1/4	1,410.92	1/4	1,150.08	1/4	890.04	1/4	630.03	1/4	369.21	1/4	108.45	1/4		1/4		1/4	
1/2	1,666.16	1/2	1,405.49	1/2	1,144.65	1/2	884.64	1/2	624.60	1/2	363.78	1/2	103.03	1/2		1/2		1/2	
3/4	1,660.73	3/4	1,400.06	3/4	1,139.22	3/4	879.25	3/4	619.17	3/4	358.35	3/4	97.61	3/4		3/4		3/4	
1	1,655.30	1	1,394.62	1	1,133.78	1	873.85	1	613.73	1	352.91	1	92.21	1		1		1	
1/4	1,649.87	1/4	1,389.19	1/4	1,128.35	1/4	868.45	1/4	608.30	1/4	347.48	1/4	86.82	1/4		1/4		1/4	
1/2	1,644.44	1/2	1,383.76	1/2	1,122.91	1/2	863.05	1/2	602.87	1/2	342.04	1/2	81.42	1/2		1/2		1/2	
3/4	1,639.01	3/4	1,378.32	3/4	1,117.48	3/4	857.65	3/4	597.43	3/4	336.61	3/4	76.02	3/4		3/4		3/4	
2	1,633.58	2	1,372.89	2	1,112.05	2	852.26	2	592.00	2	331.18	2	70.65	2		2		2	
1/4	1,628.15	1/4	1,367.45	1/4	1,106.61	1/4	846.86	1/4	586.57	1/4	325.74	1/4	65.27	1/4		1/4		1/4	
1/2	1,622.72	1/2	1,362.02	1/2	1,101.18	1/2	841.46	1/2	581.13	1/2	320.31	1/2	59.90	1/2		1/2		1/2	
3/4	1,617.29	3/4	1,356.58	3/4	1,095.74	3/4	836.06	3/4	575.70	3/4	314.88	3/4	54.53	3/4		3/4		3/4	
3	1,611.86	3	1,351.15	3	1,090.31	3	830.66	3	570.26	3	309.44	3	49.21	3		3		3	
1/4	1,606.42	1/4	1,345.72	1/4	1,084.87	1/4	825.27	1/4	564.83	1/4	304.01	1/4	43.89	1/4		1/4		1/4	
1/2	1,600.99	1/2	1,340.28	1/2	1,079.44	1/2	819.87	1/2	559.40	1/2	298.57	1/2	38.57	1/2		1/2		1/2	
3/4	1,595.56	3/4	1,334.85	3/4	1,074.01	3/4	814.47	3/4	553.96	3/4	293.14	3/4	33.25	3/4		3/4		3/4	
4	1,590.13	4	1,329.41	4	1,068.57	4	809.08	4	548.53	4	287.71	4	28.73	4		4		4	
1/4	1,584.70	1/4	1,323.98	1/4	1,063.14	1/4	803.69	1/4	543.10	1/4	282.27	1/4	24.20	1/4		1/4		1/4	
1/2	1,579.27	1/2	1,318.54	1/2	1,057.70	1/2	798.29	1/2	537.66	1/2	276.84	1/2	19.68	1/2		1/2		1/2	
3/4	1,573.84	3/4	1,313.11	3/4	1,052.27	3/4	792.90	3/4	532.23	3/4	271.41	3/4	15.16	3/4		3/4		3/4	
5	1,568.41	5	1,307.68	5	1,046.83	5	787.47	5	526.79	5	265.97	5	12.45	5		5		5	
1/4	1,562.98	1/4	1,302.24	1/4	1,041.40	1/4	782.04	1/4	521.36	1/4	260.54	1/4	9.73	1/4		1/4		1/4	
1/2	1,557.55	1/2	1,296.81	1/2	1,035.97	1/2	776.61	1/2	515.93	1/2	255.10	1/2	7.01	1/2		1/2		1/2	
3/4	1,552.12	3/4	1,291.37	3/4	1,030.53	3/4	771.18	3/4	510.49	3/4	249.67	3/4	4.30	3/4		3/4		3/4	
6	1,546.69	6	1,285.94	6	1,025.10	6	765.76	6	505.06	6	244.24	6	3.39	6		6		6	
1/4	1,541.26	1/4	1,280.51	1/4	1,019.66	1/4	760.33	1/4	499.63	1/4	238.80	1/4	2.49	1/4		1/4		1/4	
1/2	1,535.83	1/2	1,275.07	1/2	1,014.23	1/2	754.90	1/2	494.19	1/2	233.37	1/2	1.58	1/2		1/2		1/2	
3/4	1,530.39	3/4	1,269.64	3/4	1,008.80	3/4	749.47	3/4	488.76	3/4	227.94	3/4	0.68	3/4		3/4		3/4	
7	1,524.96	7	1,264.20	7	1,003.40	7	744.04	7	483.32	7	222.50	7		7		7		7	
1/4	1,519.53	1/4	1,258.77	1/4	998.00	1/4	738.61	1/4	477.89	1/4	217.07	1/4		1/4		1/4		1/4	
1/2	1,514.10	1/2	1,253.33	1/2	992.60	1/2	733.18	1/2	472.46	1/2	211.63	1/2		1/2		1/2		1/2	
3/4	1,508.67	3/4	1,247.90	3/4	987.20	3/4	727.75	3/4	467.02	3/4	206.20	3/4		3/4		3/4		3/4	
8	1,503.24	8	1,242.47	8	981.81	8	722.33	8	461.59	8	200.77	8		8		8		8	
1/4	1,497.81	1/4	1,237.03	1/4	976.41	1/4	716.90	1/4	456.15	1/4	195.33	1/4		1/4		1/4		1/4	
1/2	1,492.38	1/2	1,231.60	1/2	971.01	1/2	711.47	1/2	450.72	1/2	189.90	1/2		1/2		1/2		1/2	
3/4	1,486.95	3/4	1,226.16	3/4	965.61	3/4	706.04	3/4	445.29	3/4	184.46	3/4		3/4		3/4		3/4	
9	1,481.52	9	1,220.73	9	960.21	9	700.61	9	439.85	9	179.03	9		9		9		9	
1/4	1,476.09	1/4	1,215.30	1/4	954.82	1/4	695.18	1/4	434.42	1/4	173.60	1/4		1/4		1/4		1/4	
1/2	1,470.66	1/2	1,209.86	1/2	949.42	1/2	689.75	1/2	428.99	1/2	168.16	1/2		1/2		1/2		1/2	
3/4	1,465.23	3/4	1,204.43	3/4	944.02	3/4	684.32	3/4	423.55	3/4	162.73	3/4		3/4		3/4		3/4	
10	1,459.80	10	1,198.99	10	938.62	10	678.90	10	418.12	10	157.30	10		10		10		10	
1/4	1,454.36	1/4	1,193.56	1/4	933.22	1/4	673.47	1/4	412.68	1/4	151.86	1/4		1/4		1/4		1/4	
1/2	1,448.93	1/2	1,188.12	1/2	927.83	1/2	668.04	1/2	407.25	1/2	146.43	1/2		1/2		1/2		1/2	
3/4	1,443.50	3/4	1,182.69	3/4	922.43	3/4	662.61	3/4	401.82	3/4	141.00	3/4		3/4		3/4		3/4	
11	1,438.07	11	1,177.26	11	917.03	11	657.18	11	396.38	11	135.57	11		11		11		11	
1/4	1,432.64	1/4	1,171.82	1/4	911.63	1/4	651.75	1/4	390.95	1/4	130.14	1/4		1/4		1/4		1/4	
1/2	1,427.21	1/2	1,166.39	1/2	906.24	1/2	646.33	1/2	385.52	1/2	124.71	1/2		1/2		1/2		1/2	
3/4	1,421.78	3/4	1,160.95	3/4	900.84	3/4	640.90	3/4	380.08	3/4	119.28	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/11/2015 CL  
CALCULATED: 02/12/2015 CL  
PRINTED: 02/12/2015 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2015

PRECISION MEASUREMENT  
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