



BARGE "KIRBY 10113"

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	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-2/8	- 00-2/8	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	00-1/4	- 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"

April 10, 2024

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

<http://www.pmacorp.net>



BARGE "KIRBY 10113"

1 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	3,769.69	0	3,548.55	0	3,295.29	0	3,042.04	0	2,781.32	0	2,485.29	0	2,188.58
1/4		1/4		1/4		1/4	3,768.66	1/4	3,543.27	1/4	3,290.02	1/4	3,036.76	1/4	2,775.16	1/4	2,479.11	1/4	2,182.39
1/2		1/2		1/2		1/2	3,767.62	1/2	3,538.00	1/2	3,284.74	1/2	3,031.48	1/2	2,769.00	1/2	2,472.93	1/2	2,176.21
3/4		3/4		3/4		3/4	3,766.59	3/4	3,532.72	3/4	3,279.46	3/4	3,026.21	3/4	2,762.84	3/4	2,466.74	3/4	2,170.03
1		1		1		1	3,765.55	1	3,527.45	1	3,274.19	1	3,020.93	1	2,756.67	1	2,460.56	1	2,163.85
1/4		1/4		1/4		1/4	3,762.45	1/4	3,522.17	1/4	3,268.91	1/4	3,015.65	1/4	2,750.51	1/4	2,454.38	1/4	2,157.67
1/2		1/2		1/2		1/2	3,759.35	1/2	3,516.89	1/2	3,263.64	1/2	3,010.38	1/2	2,744.35	1/2	2,448.20	1/2	2,151.49
3/4		3/4		3/4		3/4	3,756.24	3/4	3,511.62	3/4	3,258.36	3/4	3,005.10	3/4	2,738.18	3/4	2,442.02	3/4	2,145.31
2		2		2		2	3,753.14	2	3,506.34	2	3,253.08	2	2,999.83	2	2,732.02	2	2,435.84	2	2,139.12
1/4		1/4		1/4		1/4	3,748.98	1/4	3,501.06	1/4	3,247.81	1/4	2,994.55	1/4	2,725.86	1/4	2,429.65	1/4	2,132.94
1/2		1/2		1/2		1/2	3,744.83	1/2	3,495.79	1/2	3,242.53	1/2	2,989.27	1/2	2,719.70	1/2	2,423.47	1/2	2,126.76
3/4		3/4		3/4		3/4	3,740.67	3/4	3,490.51	3/4	3,237.25	3/4	2,984.00	3/4	2,713.53	3/4	2,417.29	3/4	2,120.58
3		3		3		3	3,736.52	3	3,485.24	3	3,231.98	3	2,978.72	3	2,707.37	3	2,411.11	3	2,114.40
1/4		1/4		1/4		1/4	3,731.38	1/4	3,479.96	1/4	3,226.70	1/4	2,973.44	1/4	2,701.21	1/4	2,404.93	1/4	2,108.22
1/2		1/2		1/2		1/2	3,726.24	1/2	3,474.68	1/2	3,221.43	1/2	2,968.17	1/2	2,695.05	1/2	2,398.75	1/2	2,102.04
3/4		3/4		3/4		3/4	3,721.09	3/4	3,469.41	3/4	3,216.15	3/4	2,962.89	3/4	2,688.88	3/4	2,392.57	3/4	2,095.85
4		4		4		4	3,715.95	4	3,464.13	4	3,210.87	4	2,957.62	4	2,682.72	4	2,386.38	4	2,089.67
1/4		1/4		1/4		1/4	3,710.77	1/4	3,458.86	1/4	3,205.60	1/4	2,952.34	1/4	2,676.56	1/4	2,380.20	1/4	2,083.49
1/2		1/2		1/2		1/2	3,705.60	1/2	3,453.58	1/2	3,200.32	1/2	2,947.06	1/2	2,670.40	1/2	2,374.02	1/2	2,077.31
3/4		3/4		3/4		3/4	3,700.42	3/4	3,448.30	3/4	3,195.05	3/4	2,941.79	3/4	2,664.23	3/4	2,367.84	3/4	2,071.13
5		5		5		5	3,695.24	5	3,443.03	5	3,189.77	5	2,936.51	5	2,658.07	5	2,361.66	5	2,064.95
1/4		1/4		1/4		1/4	3,690.05	1/4	3,437.75	1/4	3,184.49	1/4	2,931.24	1/4	2,651.91	1/4	2,355.48	1/4	2,058.76
1/2		1/2		1/2		1/2	3,684.86	1/2	3,432.47	1/2	3,179.22	1/2	2,925.96	1/2	2,645.74	1/2	2,349.30	1/2	2,052.58
3/4		3/4		3/4		3/4	3,679.67	3/4	3,427.20	3/4	3,173.94	3/4	2,920.68	3/4	2,639.58	3/4	2,343.11	3/4	2,046.40
6		6		6		6	3,674.48	6	3,421.92	6	3,168.66	6	2,915.41	6	2,633.42	6	2,336.93	6	2,040.22
1/4		1/4		1/4		1/4	3,669.29	1/4	3,416.65	1/4	3,163.39	1/4	2,910.13	1/4	2,627.26	1/4	2,330.75	1/4	2,034.04
1/2		1/2		1/2		1/2	3,664.10	1/2	3,411.37	1/2	3,158.11	1/2	2,904.85	1/2	2,621.09	1/2	2,324.57	1/2	2,027.86
3/4		3/4		3/4		3/4	3,658.91	3/4	3,406.09	3/4	3,152.84	3/4	2,899.58	3/4	2,614.93	3/4	2,318.39	3/4	2,021.68
7		7		7		7	3,653.72	7	3,400.82	7	3,147.56	7	2,894.30	7	2,608.77	7	2,312.21	7	2,015.49
1/4		1/4		1/4		1/4	3,648.53	1/4	3,395.54	1/4	3,142.28	1/4	2,889.03	1/4	2,602.61	1/4	2,306.02	1/4	2,009.31
1/2		1/2		1/2		1/2	3,643.35	1/2	3,390.26	1/2	3,137.01	1/2	2,883.75	1/2	2,596.44	1/2	2,299.84	1/2	2,003.13
3/4		3/4		3/4		3/4	3,638.16	3/4	3,384.99	3/4	3,131.73	3/4	2,878.47	3/4	2,590.28	3/4	2,293.66	3/4	1,996.95
8		8		8		8	3,632.97	8	3,379.71	8	3,126.45	8	2,873.20	8	2,584.12	8	2,287.48	8	1,990.77
1/4		1/4		1/4		1/4	3,627.69	1/4	3,374.44	1/4	3,121.18	1/4	2,867.90	1/4	2,577.95	1/4	2,281.30	1/4	1,984.59
1/2		1/2		1/2		1/2	3,622.42	1/2	3,369.16	1/2	3,115.90	1/2	2,862.59	1/2	2,571.79	1/2	2,275.12	1/2	1,978.41
3/4		3/4		3/4		3/4	3,617.14	3/4	3,363.88	3/4	3,110.63	3/4	2,857.29	3/4	2,565.63	3/4	2,268.94	3/4	1,972.22
9		9		9		9	3,611.86	9	3,358.61	9	3,105.35	9	2,851.99	9	2,559.47	9	2,262.75	9	1,966.04
1/4		1/4		1/4		1/4	3,606.59	1/4	3,353.33	1/4	3,100.07	1/4	2,846.69	1/4	2,553.28	1/4	2,256.57	1/4	1,959.86
1/2		1/2		1/2		1/2	3,601.31	1/2	3,348.05	1/2	3,094.80	1/2	2,841.39	1/2	2,547.10	1/2	2,250.39	1/2	1,953.68
3/4		3/4		3/4		3/4	3,596.04	3/4	3,342.78	3/4	3,089.52	3/4	2,836.09	3/4	2,540.92	3/4	2,244.21	3/4	1,947.50
10		10		10		10	3,590.76	10	3,337.50	10	3,084.24	10	2,830.79	10	2,534.74	10	2,238.03	10	1,941.32
1/4		1/4		1/4		1/4	3,585.48	1/4	3,332.23	1/4	3,078.97	1/4	2,824.58	1/4	2,528.56	1/4	2,231.85	1/4	1,935.13
1/2		1/2		1/2		1/2	3,580.21	1/2	3,326.95	1/2	3,073.69	1/2	2,818.38	1/2	2,522.38	1/2	2,225.67	1/2	1,928.95
3/4		3/4		3/4		3/4	3,574.93	3/4	3,321.67	3/4	3,068.42	3/4	2,812.18	3/4	2,516.20	3/4	2,219.48	3/4	1,922.77
11		11		11		11	3,569.66	11	3,316.40	11	3,063.14	11	2,805.97	11	2,510.01	11	2,213.30	11	1,916.59
1/4		1/4		1/4		1/4	3,564.38	1/4	3,311.12	1/4	3,057.86	1/4	2,799.81	1/4	2,503.83	1/4	2,207.12	1/4	1,910.41
1/2		1/2		1/2		1/2	3,559.10	1/2	3,305.85	1/2	3,052.59	1/2	2,793.65	1/2	2,497.65	1/2	2,200.94	1/2	1,904.23
3/4		3/4		3/4		3/4	3,553.83	3/4	3,300.57	3/4	3,047.31	3/4	2,787.49	3/4	2,491.47	3/4	2,194.76	3/4	1,898.05

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.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "KIRBY 10113"

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	1,891.86	0	1,594.93	0	1,297.80	0	1,000.68	0	709.59	0	412.34	0	115.02	0		0		0	
1/4	1,885.68	1/4	1,588.74	1/4	1,291.61	1/4	994.49	1/4	703.42	1/4	406.15	1/4	108.86	1/4		1/4		1/4	
1/2	1,879.50	1/2	1,582.55	1/2	1,285.42	1/2	988.30	1/2	697.24	1/2	399.95	1/2	102.69	1/2		1/2		1/2	
3/4	1,873.32	3/4	1,576.36	3/4	1,279.23	3/4	982.11	3/4	691.06	3/4	393.76	3/4	96.52	3/4		3/4		3/4	
1	1,867.14	1	1,570.17	1	1,273.04	1	975.92	1	684.89	1	387.56	1	90.36	1		1		1	
1/4	1,860.96	1/4	1,563.98	1/4	1,266.85	1/4	969.79	1/4	678.69	1/4	381.37	1/4	84.22	1/4		1/4		1/4	
1/2	1,854.78	1/2	1,557.79	1/2	1,260.66	1/2	963.66	1/2	672.50	1/2	375.18	1/2	78.09	1/2		1/2		1/2	
3/4	1,848.59	3/4	1,551.60	3/4	1,254.47	3/4	957.54	3/4	666.31	3/4	368.98	3/4	71.95	3/4		3/4		3/4	
2	1,842.41	2	1,545.41	2	1,248.28	2	951.41	2	660.11	2	362.79	2	65.82	2		2		2	
1/4	1,836.23	1/4	1,539.22	1/4	1,242.09	1/4	945.34	1/4	653.92	1/4	356.59	1/4	59.74	1/4		1/4		1/4	
1/2	1,830.05	1/2	1,533.03	1/2	1,235.90	1/2	939.28	1/2	647.72	1/2	350.40	1/2	53.66	1/2		1/2		1/2	
3/4	1,823.87	3/4	1,526.84	3/4	1,229.71	3/4	933.22	3/4	641.53	3/4	344.20	3/4	47.59	3/4		3/4		3/4	
3	1,817.69	3	1,520.65	3	1,223.52	3	927.15	3	635.34	3	338.01	3	41.51	3		3		3	
1/4	1,811.50	1/4	1,514.46	1/4	1,217.33	1/4	921.09	1/4	629.14	1/4	331.82	1/4	36.35	1/4		1/4		1/4	
1/2	1,805.31	1/2	1,508.27	1/2	1,211.14	1/2	915.03	1/2	622.95	1/2	325.62	1/2	31.18	1/2		1/2		1/2	
3/4	1,799.12	3/4	1,502.07	3/4	1,204.95	3/4	908.96	3/4	616.75	3/4	319.43	3/4	26.02	3/4		3/4		3/4	
4	1,792.93	4	1,495.88	4	1,198.76	4	902.90	4	610.56	4	313.23	4	20.86	4		4		4	
1/4	1,786.74	1/4	1,489.69	1/4	1,192.57	1/4	896.85	1/4	604.36	1/4	307.04	1/4	17.76	1/4		1/4		1/4	
1/2	1,780.55	1/2	1,483.50	1/2	1,186.38	1/2	890.80	1/2	598.17	1/2	300.84	1/2	14.65	1/2		1/2		1/2	
3/4	1,774.36	3/4	1,477.31	3/4	1,180.19	3/4	884.76	3/4	591.98	3/4	294.65	3/4	11.55	3/4		3/4		3/4	
5	1,768.17	5	1,471.12	5	1,174.00	5	878.71	5	585.78	5	288.46	5	8.45	5		5		5	
1/4	1,761.98	1/4	1,464.93	1/4	1,167.81	1/4	872.68	1/4	579.59	1/4	282.26	1/4	7.41	1/4		1/4		1/4	
1/2	1,755.79	1/2	1,458.74	1/2	1,161.62	1/2	866.65	1/2	573.39	1/2	276.07	1/2	6.38	1/2		1/2		1/2	
3/4	1,749.60	3/4	1,452.55	3/4	1,155.43	3/4	860.62	3/4	567.20	3/4	269.87	3/4	5.35	3/4		3/4		3/4	
6	1,743.41	6	1,446.36	6	1,149.24	6	854.59	6	561.00	6	263.68	6	4.32	6		6		6	
1/4	1,737.22	1/4	1,440.17	1/4	1,143.05	1/4	848.56	1/4	554.81	1/4	257.48	1/4		1/4		1/4		1/4	
1/2	1,731.03	1/2	1,433.98	1/2	1,136.86	1/2	842.53	1/2	548.62	1/2	251.29	1/2		1/2		1/2		1/2	
3/4	1,724.84	3/4	1,427.79	3/4	1,130.67	3/4	836.49	3/4	542.42	3/4	245.10	3/4		3/4		3/4		3/4	
7	1,718.65	7	1,421.60	7	1,124.48	7	830.46	7	536.23	7	238.90	7		7		7		7	
1/4	1,712.47	1/4	1,415.41	1/4	1,118.29	1/4	824.43	1/4	530.03	1/4	232.71	1/4		1/4		1/4		1/4	
1/2	1,706.28	1/2	1,409.22	1/2	1,112.10	1/2	818.40	1/2	523.84	1/2	226.51	1/2		1/2		1/2		1/2	
3/4	1,700.10	3/4	1,403.03	3/4	1,105.91	3/4	812.37	3/4	517.64	3/4	220.32	3/4		3/4		3/4		3/4	
8	1,693.91	8	1,396.84	8	1,099.72	8	806.34	8	511.45	8	214.12	8		8		8		8	
1/4	1,687.72	1/4	1,390.65	1/4	1,093.53	1/4	800.31	1/4	505.26	1/4	207.93	1/4		1/4		1/4		1/4	
1/2	1,681.54	1/2	1,384.46	1/2	1,087.34	1/2	794.28	1/2	499.06	1/2	201.74	1/2		1/2		1/2		1/2	
3/4	1,675.35	3/4	1,378.27	3/4	1,081.15	3/4	788.25	3/4	492.87	3/4	195.54	3/4		3/4		3/4		3/4	
9	1,669.16	9	1,372.08	9	1,074.96	9	782.22	9	486.67	9	189.35	9		9		9		9	
1/4	1,662.98	1/4	1,365.89	1/4	1,068.77	1/4	776.19	1/4	480.48	1/4	183.15	1/4		1/4		1/4		1/4	
1/2	1,656.79	1/2	1,359.70	1/2	1,062.58	1/2	770.16	1/2	474.28	1/2	176.96	1/2		1/2		1/2		1/2	
3/4	1,650.60	3/4	1,353.51	3/4	1,056.39	3/4	764.12	3/4	468.09	3/4	170.77	3/4		3/4		3/4		3/4	
10	1,644.42	10	1,347.32	10	1,050.20	10	758.09	10	461.90	10	164.57	10		10		10		10	
1/4	1,638.23	1/4	1,341.13	1/4	1,044.01	1/4	752.06	1/4	455.70	1/4	158.37	1/4		1/4		1/4		1/4	
1/2	1,632.04	1/2	1,334.94	1/2	1,037.82	1/2	746.03	1/2	449.51	1/2	152.17	1/2		1/2		1/2		1/2	
3/4	1,625.86	3/4	1,328.75	3/4	1,031.63	3/4	740.00	3/4	443.31	3/4	145.97	3/4		3/4		3/4		3/4	
11	1,619.67	11	1,322.56	11	1,025.44	11	733.97	11	437.12	11	139.77	11		11		11		11	
1/4	1,613.49	1/4	1,316.37	1/4	1,019.25	1/4	727.88	1/4	430.92	1/4	133.59	1/4		1/4		1/4		1/4	
1/2	1,607.30	1/2	1,310.18	1/2	1,013.06	1/2	721.78	1/2	424.73	1/2	127.40	1/2		1/2		1/2		1/2	
3/4	1,601.11	3/4	1,303.99	3/4	1,006.87	3/4	715.69	3/4	418.54	3/4	121.21	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/13/2014 SW
CALCULATED: 03/14/2014 CL
VERIFIED: 04/09/2024

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2024

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



BARGE "KIRBY 10113"

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	3,468.40	0	3,242.22	0	2,980.88	0	2,719.55	0	2,457.75	0	2,195.01	0	1,932.28
1/4		1/4		1/4		1/4	3,467.49	1/4	3,236.78	1/4	2,975.44	1/4	2,714.10	1/4	2,452.27	1/4	2,189.54	1/4	1,926.81
1/2		1/2		1/2		1/2	3,466.57	1/2	3,231.33	1/2	2,970.00	1/2	2,708.66	1/2	2,446.80	1/2	2,184.07	1/2	1,921.33
3/4		3/4		3/4		3/4	3,465.66	3/4	3,225.89	3/4	2,964.55	3/4	2,703.21	3/4	2,441.33	3/4	2,178.59	3/4	1,915.86
1		1		1		1	3,464.75	1	3,220.44	1	2,959.11	1	2,697.77	1	2,435.85	1	2,173.12	1	1,910.39
1/4		1/4		1/4		1/4	3,462.01	1/4	3,215.00	1/4	2,953.66	1/4	2,692.33	1/4	2,430.38	1/4	2,167.65	1/4	1,904.91
1/2		1/2		1/2		1/2	3,459.27	1/2	3,209.55	1/2	2,948.22	1/2	2,686.88	1/2	2,424.91	1/2	2,162.17	1/2	1,899.44
3/4		3/4		3/4		3/4	3,456.53	3/4	3,204.11	3/4	2,942.77	3/4	2,681.44	3/4	2,419.43	3/4	2,156.70	3/4	1,893.97
2		2		2		2	3,453.79	2	3,176.66	2	2,937.33	2	2,675.99	2	2,413.96	2	2,151.23	2	1,888.49
1/4		1/4		1/4		1/4	3,449.36	1/4	3,193.22	1/4	2,931.88	1/4	2,670.55	1/4	2,408.48	1/4	2,145.75	1/4	1,883.02
1/2		1/2		1/2		1/2	3,444.93	1/2	3,187.78	1/2	2,926.44	1/2	2,665.10	1/2	2,403.01	1/2	2,140.28	1/2	1,877.55
3/4		3/4		3/4		3/4	3,440.49	3/4	3,182.33	3/4	2,920.99	3/4	2,659.66	3/4	2,397.54	3/4	2,134.80	3/4	1,872.07
3		3		3		3	3,436.06	3	3,176.89	3	2,915.55	3	2,654.21	3	2,392.06	3	2,129.33	3	1,866.60
1/4		1/4		1/4		1/4	3,430.75	1/4	3,171.44	1/4	2,910.11	1/4	2,648.77	1/4	2,386.59	1/4	2,123.86	1/4	1,861.12
1/2		1/2		1/2		1/2	3,425.44	1/2	3,166.00	1/2	2,904.66	1/2	2,643.33	1/2	2,381.12	1/2	2,118.38	1/2	1,855.65
3/4		3/4		3/4		3/4	3,420.14	3/4	3,160.55	3/4	2,899.22	3/4	2,637.88	3/4	2,375.64	3/4	2,112.91	3/4	1,850.18
4		4		4		4	3,414.83	4	3,155.11	4	2,893.77	4	2,632.44	4	2,370.17	4	2,107.44	4	1,844.70
1/4		1/4		1/4		1/4	3,409.50	1/4	3,149.66	1/4	2,888.33	1/4	2,626.99	1/4	2,364.70	1/4	2,101.96	1/4	1,839.23
1/2		1/2		1/2		1/2	3,404.16	1/2	3,144.22	1/2	2,882.88	1/2	2,621.55	1/2	2,359.22	1/2	2,096.49	1/2	1,833.76
3/4		3/4		3/4		3/4	3,398.82	3/4	3,138.77	3/4	2,877.44	3/4	2,616.10	3/4	2,353.75	3/4	2,091.02	3/4	1,828.28
5		5		5		5	3,393.49	5	3,133.33	5	2,871.99	5	2,610.66	5	2,348.27	5	2,085.54	5	1,822.81
1/4		1/4		1/4		1/4	3,388.14	1/4	3,127.89	1/4	2,866.55	1/4	2,605.21	1/4	2,342.80	1/4	2,080.07	1/4	1,817.34
1/2		1/2		1/2		1/2	3,382.79	1/2	3,122.44	1/2	2,861.11	1/2	2,599.77	1/2	2,337.33	1/2	2,074.59	1/2	1,811.86
3/4		3/4		3/4		3/4	3,377.44	3/4	3,117.00	3/4	2,855.66	3/4	2,594.32	3/4	2,331.85	3/4	2,069.12	3/4	1,806.39
6		6		6		6	3,372.09	6	3,111.55	6	2,850.22	6	2,588.88	6	2,326.38	6	2,063.65	6	1,800.91
1/4		1/4		1/4		1/4	3,366.75	1/4	3,106.11	1/4	2,844.77	1/4	2,583.44	1/4	2,320.91	1/4	2,058.17	1/4	1,795.44
1/2		1/2		1/2		1/2	3,361.40	1/2	3,100.66	1/2	2,839.33	1/2	2,577.99	1/2	2,315.43	1/2	2,052.70	1/2	1,789.97
3/4		3/4		3/4		3/4	3,356.06	3/4	3,095.22	3/4	2,833.88	3/4	2,572.55	3/4	2,309.96	3/4	2,047.23	3/4	1,784.49
7		7		7		7	3,350.71	7	3,089.77	7	2,828.44	7	2,567.10	7	2,304.49	7	2,041.75	7	1,779.02
1/4		1/4		1/4		1/4	3,345.37	1/4	3,084.33	1/4	2,822.99	1/4	2,561.66	1/4	2,299.01	1/4	2,036.28	1/4	1,773.55
1/2		1/2		1/2		1/2	3,340.02	1/2	3,078.89	1/2	2,817.55	1/2	2,556.21	1/2	2,293.54	1/2	2,030.81	1/2	1,768.07
3/4		3/4		3/4		3/4	3,334.68	3/4	3,073.44	3/4	2,812.10	3/4	2,550.77	3/4	2,288.07	3/4	2,025.33	3/4	1,762.60
8		8		8		8	3,329.33	8	3,068.00	8	2,806.66	8	2,545.32	8	2,282.59	8	2,019.86	8	1,757.13
1/4		1/4		1/4		1/4	3,323.89	1/4	3,062.55	1/4	2,801.22	1/4	2,539.85	1/4	2,277.12	1/4	2,014.39	1/4	1,751.65
1/2		1/2		1/2		1/2	3,318.44	1/2	3,057.11	1/2	2,795.77	1/2	2,534.38	1/2	2,271.64	1/2	2,008.91	1/2	1,746.18
3/4		3/4		3/4		3/4	3,313.00	3/4	3,051.66	3/4	2,790.33	3/4	2,528.90	3/4	2,266.17	3/4	2,003.44	3/4	1,740.71
9		9		9		9	3,307.55	9	3,046.22	9	2,784.88	9	2,523.43	9	2,260.70	9	1,997.96	9	1,735.23
1/4		1/4		1/4		1/4	3,302.11	1/4	3,040.77	1/4	2,779.44	1/4	2,517.96	1/4	2,255.22	1/4	1,992.49	1/4	1,729.76
1/2		1/2		1/2		1/2	3,296.67	1/2	3,035.33	1/2	2,773.99	1/2	2,512.48	1/2	2,249.75	1/2	1,987.02	1/2	1,724.28
3/4		3/4		3/4		3/4	3,291.22	3/4	3,029.88	3/4	2,768.55	3/4	2,507.01	3/4	2,244.28	3/4	1,981.54	3/4	1,718.81
10		10		10		10	3,285.78	10	3,024.44	10	2,763.10	10	2,501.54	10	2,238.80	10	1,976.07	10	1,713.34
1/4		1/4		1/4		1/4	3,280.33	1/4	3,019.00	1/4	2,757.66	1/4	2,496.06	1/4	2,233.33	1/4	1,970.60	1/4	1,707.86
1/2		1/2		1/2		1/2	3,274.89	1/2	3,013.55	1/2	2,752.22	1/2	2,490.59	1/2	2,227.86	1/2	1,965.12	1/2	1,702.39
3/4		3/4		3/4		3/4	3,269.44	3/4	3,008.11	3/4	2,746.77	3/4	2,485.11	3/4	2,222.38	3/4	1,959.65	3/4	1,696.92
11		11		11		11	3,264.00	11	3,002.66	11	2,741.33	11	2,479.64	11	2,216.91	11	1,954.18	11	1,691.44
1/4		1/4		1/4		1/4	3,258.55	1/4	2,997.22	1/4	2,735.88	1/4	2,474.17	1/4	2,211.43	1/4	1,948.70	1/4	1,685.97
1/2		1/2		1/2		1/2	3,253.11	1/2	2,991.77	1/2	2,730.44	1/2	2,468.69	1/2	2,205.96	1/2	1,943.23	1/2	1,680.50
3/4		3/4		3/4		3/4	3,247.66	3/4	2,986.33	3/4	2,724.99	3/4	2,463.22	3/4	2,200.49	3/4	1,937.75	3/4	1,675.02

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 10113"

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	1,669.55	0	1,406.82	0	1,143.91	0	882.88	0	624.05	0	361.17	0	98.38	0		0		0	
1/4	1,664.07	1/4	1,401.34	1/4	1,138.44	1/4	877.48	1/4	618.57	1/4	355.69	1/4	92.94	1/4	1/4	1/4		1/4	
1/2	1,658.60	1/2	1,395.86	1/2	1,132.96	1/2	872.09	1/2	613.10	1/2	350.22	1/2	87.50	1/2	1/2	1/2		1/2	
3/4	1,653.13	3/4	1,390.38	3/4	1,127.48	3/4	866.70	3/4	607.62	3/4	344.74	3/4	82.06	3/4	3/4	3/4		3/4	
1	1,647.65	1	1,384.91	1	1,122.01	1	861.31	1	602.15	1	339.26	1	76.61	1	1	1		1	
1/4	1,642.18	1/4	1,379.43	1/4	1,116.53	1/4	855.91	1/4	596.67	1/4	333.79	1/4	71.20	1/4	1/4	1/4		1/4	
1/2	1,636.71	1/2	1,373.95	1/2	1,111.05	1/2	850.52	1/2	591.19	1/2	328.31	1/2	65.79	1/2	1/2	1/2		1/2	
3/4	1,631.23	3/4	1,368.48	3/4	1,105.58	3/4	845.13	3/4	585.72	3/4	322.83	3/4	60.37	3/4	3/4	3/4		3/4	
2	1,625.76	2	1,363.00	2	1,100.10	2	839.74	2	580.24	2	317.36	2	54.96	2	2	2		2	
1/4	1,620.29	1/4	1,357.52	1/4	1,094.62	1/4	834.34	1/4	574.76	1/4	311.88	1/4	49.60	1/4	1/4	1/4		1/4	
1/2	1,614.81	1/2	1,352.04	1/2	1,089.14	1/2	828.95	1/2	569.29	1/2	306.40	1/2	44.23	1/2	1/2	1/2		1/2	
3/4	1,609.34	3/4	1,346.57	3/4	1,083.67	3/4	823.56	3/4	563.81	3/4	300.93	3/4	38.87	3/4	3/4	3/4		3/4	
3	1,603.87	3	1,341.09	3	1,078.19	3	818.17	3	558.33	3	295.45	3	33.50	3	3	3		3	
1/4	1,598.39	1/4	1,335.61	1/4	1,072.71	1/4	812.78	1/4	552.86	1/4	289.97	1/4	28.95	1/4	1/4	1/4		1/4	
1/2	1,592.92	1/2	1,330.14	1/2	1,067.24	1/2	807.39	1/2	547.38	1/2	284.50	1/2	24.39	1/2	1/2	1/2		1/2	
3/4	1,587.44	3/4	1,324.66	3/4	1,061.76	3/4	802.01	3/4	541.90	3/4	279.02	3/4	19.84	3/4	3/4	3/4		3/4	
4	1,581.97	4	1,319.18	4	1,056.28	4	796.62	4	536.43	4	273.54	4	15.28	4	4	4		4	
1/4	1,576.50	1/4	1,313.70	1/4	1,050.80	1/4	791.23	1/4	530.95	1/4	268.07	1/4	12.54	1/4	1/4	1/4		1/4	
1/2	1,571.02	1/2	1,308.23	1/2	1,045.33	1/2	785.84	1/2	525.47	1/2	262.59	1/2	9.80	1/2	1/2	1/2		1/2	
3/4	1,565.55	3/4	1,302.75	3/4	1,039.85	3/4	780.46	3/4	520.00	3/4	257.11	3/4	7.07	3/4	3/4	3/4		3/4	
5	1,560.08	5	1,297.27	5	1,034.37	5	775.07	5	514.52	5	251.64	5	4.33	5	5	5		5	
1/4	1,554.60	1/4	1,291.80	1/4	1,028.90	1/4	769.68	1/4	509.04	1/4	246.16	1/4	3.42	1/4	1/4	1/4		1/4	
1/2	1,549.13	1/2	1,286.32	1/2	1,023.42	1/2	764.30	1/2	503.57	1/2	240.68	1/2	2.50	1/2	1/2	1/2		1/2	
3/4	1,543.66	3/4	1,280.84	3/4	1,017.94	3/4	758.91	3/4	498.09	3/4	235.21	3/4	1.59	3/4	3/4	3/4		3/4	
6	1,538.18	6	1,275.37	6	1,012.46	6	753.52	6	492.61	6	229.73	6	0.68	6	6	6		6	
1/4	1,532.71	1/4	1,269.89	1/4	1,007.03	1/4	748.13	1/4	487.14	1/4	224.25	1/4		1/4	1/4	1/4		1/4	
1/2	1,527.23	1/2	1,264.41	1/2	1,001.59	1/2	742.75	1/2	481.66	1/2	218.78	1/2		1/2	1/2	1/2		1/2	
3/4	1,521.76	3/4	1,258.93	3/4	996.16	3/4	737.36	3/4	476.18	3/4	213.30	3/4		3/4	3/4	3/4		3/4	
7	1,516.29	7	1,253.46	7	990.72	7	731.97	7	470.71	7	207.82	7		7	7	7		7	
1/4	1,510.81	1/4	1,247.98	1/4	985.33	1/4	726.59	1/4	465.23	1/4	202.35	1/4		1/4	1/4	1/4		1/4	
1/2	1,505.34	1/2	1,242.50	1/2	979.94	1/2	721.20	1/2	459.75	1/2	196.87	1/2		1/2	1/2	1/2		1/2	
3/4	1,499.87	3/4	1,237.03	3/4	974.55	3/4	715.81	3/4	454.28	3/4	191.39	3/4		3/4	3/4	3/4		3/4	
8	1,494.39	8	1,231.55	8	969.15	8	710.43	8	448.80	8	185.92	8		8	8	8		8	
1/4	1,488.92	1/4	1,226.07	1/4	963.76	1/4	705.04	1/4	443.32	1/4	180.44	1/4		1/4	1/4	1/4		1/4	
1/2	1,483.45	1/2	1,220.59	1/2	958.37	1/2	699.65	1/2	437.85	1/2	174.96	1/2		1/2	1/2	1/2		1/2	
3/4	1,477.97	3/4	1,215.12	3/4	952.98	3/4	694.26	3/4	432.37	3/4	169.49	3/4		3/4	3/4	3/4		3/4	
9	1,472.50	9	1,209.64	9	947.58	9	688.88	9	426.89	9	164.01	9		9	9	9		9	
1/4	1,467.03	1/4	1,204.16	1/4	942.19	1/4	683.49	1/4	421.41	1/4	158.53	1/4		1/4	1/4	1/4		1/4	
1/2	1,461.55	1/2	1,198.69	1/2	936.80	1/2	678.10	1/2	415.94	1/2	153.06	1/2		1/2	1/2	1/2		1/2	
3/4	1,456.08	3/4	1,193.21	3/4	931.41	3/4	672.72	3/4	410.46	3/4	147.58	3/4		3/4	3/4	3/4		3/4	
10	1,450.60	10	1,187.73	10	926.02	10	667.33	10	404.98	10	142.11	10		10	10	10		10	
1/4	1,445.13	1/4	1,182.25	1/4	920.62	1/4	661.94	1/4	399.51	1/4	136.63	1/4		1/4	1/4	1/4		1/4	
1/2	1,439.66	1/2	1,176.78	1/2	915.23	1/2	656.56	1/2	394.03	1/2	131.16	1/2		1/2	1/2	1/2		1/2	
3/4	1,434.18	3/4	1,171.30	3/4	909.84	3/4	651.17	3/4	388.55	3/4	125.69	3/4		3/4	3/4	3/4		3/4	
11	1,428.71	11	1,165.82	11	904.45	11	645.78	11	383.08	11	120.22	11		11	11	11		11	
1/4	1,423.24	1/4	1,160.35	1/4	899.05	1/4	640.35	1/4	377.60	1/4	114.76	1/4		1/4	1/4	1/4		1/4	
1/2	1,417.76	1/2	1,154.87	1/2	893.66	1/2	634.92	1/2	372.12	1/2	109.30	1/2		1/2	1/2	1/2		1/2	
3/4	1,412.29	3/4	1,149.39	3/4	888.27	3/4	629.48	3/4	366.65	3/4	103.84	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/13/2014 SW
CALCULATED: 03/14/2014 CL
VERIFIED: 04/09/2024

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2024

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



BARGE "KIRBY 10113"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/4"

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		0	3,236.40	0	2,976.32	0	2,716.25	0	2,455.74	0	2,194.26	0	1,932.78
1/4		1/4		1/4		1/4	3,456.07	1/4	3,230.98	1/4	2,970.90	1/4	2,710.83	1/4	2,450.29	1/4	2,188.81	1/4	1,927.33
1/2		1/2		1/2		1/2	3,455.16	1/2	3,225.56	1/2	2,965.49	1/2	2,705.41	1/2	2,444.84	1/2	2,183.36	1/2	1,921.88
3/4		3/4		3/4		3/4	3,454.25	3/4	3,220.14	3/4	2,960.07	3/4	2,699.99	3/4	2,439.39	3/4	2,177.91	3/4	1,916.43
1		1		1		1	3,453.34	1	3,214.72	1	2,954.65	1	2,694.58	1	2,433.95	1	2,172.47	1	1,910.99
1/4		1/4		1/4		1/4	3,452.44	1/4	3,209.31	1/4	2,949.23	1/4	2,689.16	1/4	2,428.50	1/4	2,167.02	1/4	1,905.54
1/2		1/2		1/2		1/2	3,449.71	1/2	3,203.89	1/2	2,943.81	1/2	2,683.74	1/2	2,423.05	1/2	2,161.57	1/2	1,900.09
3/4		3/4		3/4		3/4	3,446.98	3/4	3,198.47	3/4	2,938.40	3/4	2,678.32	3/4	2,417.60	3/4	2,156.12	3/4	1,894.64
2		2		2		2	3,444.26	2	3,193.05	2	2,932.98	2	2,672.90	2	2,412.16	2	2,150.68	2	1,889.20
1/4		1/4		1/4		1/4	3,441.53	1/4	3,187.63	1/4	2,927.56	1/4	2,667.49	1/4	2,406.71	1/4	2,145.23	1/4	1,883.75
1/2		1/2		1/2		1/2	3,437.12	1/2	3,182.21	1/2	2,922.14	1/2	2,662.07	1/2	2,401.26	1/2	2,139.78	1/2	1,878.30
3/4		3/4		3/4		3/4	3,432.71	3/4	3,176.80	3/4	2,916.72	3/4	2,656.65	3/4	2,395.81	3/4	2,134.33	3/4	1,872.85
3		3		3		3	3,428.30	3	3,171.38	3	2,911.30	3	2,651.23	3	2,390.37	3	2,128.89	3	1,867.41
1/4		1/4		1/4		1/4	3,423.88	1/4	3,165.96	1/4	2,905.89	1/4	2,645.81	1/4	2,384.92	1/4	2,123.44	1/4	1,861.96
1/2		1/2		1/2		1/2	3,418.60	1/2	3,160.54	1/2	2,900.47	1/2	2,640.39	1/2	2,379.47	1/2	2,117.99	1/2	1,856.51
3/4		3/4		3/4		3/4	3,413.32	3/4	3,155.12	3/4	2,895.05	3/4	2,634.98	3/4	2,374.02	3/4	2,112.54	3/4	1,851.06
4		4		4		4	3,408.05	4	3,149.71	4	2,889.63	4	2,629.56	4	2,368.58	4	2,107.10	4	1,845.62
1/4		1/4		1/4		1/4	3,402.77	1/4	3,144.29	1/4	2,884.21	1/4	2,624.14	1/4	2,363.13	1/4	2,101.65	1/4	1,840.17
1/2		1/2		1/2		1/2	3,397.46	1/2	3,138.87	1/2	2,878.80	1/2	2,618.72	1/2	2,357.68	1/2	2,096.20	1/2	1,834.72
3/4		3/4		3/4		3/4	3,392.15	3/4	3,133.45	3/4	2,873.38	3/4	2,613.30	3/4	2,352.23	3/4	2,090.75	3/4	1,829.27
5		5		5		5	3,386.83	5	3,128.03	5	2,867.96	5	2,607.88	5	2,346.79	5	2,085.31	5	1,823.83
1/4		1/4		1/4		1/4	3,381.52	1/4	3,122.61	1/4	2,862.54	1/4	2,602.47	1/4	2,341.34	1/4	2,079.86	1/4	1,818.38
1/2		1/2		1/2		1/2	3,376.20	1/2	3,117.20	1/2	2,857.12	1/2	2,597.05	1/2	2,335.89	1/2	2,074.41	1/2	1,812.93
3/4		3/4		3/4		3/4	3,370.87	3/4	3,111.78	3/4	2,851.70	3/4	2,591.63	3/4	2,330.44	3/4	2,068.96	3/4	1,807.48
6		6		6		6	3,365.55	6	3,106.36	6	2,846.29	6	2,586.21	6	2,325.00	6	2,063.52	6	1,802.04
1/4		1/4		1/4		1/4	3,360.22	1/4	3,100.94	1/4	2,840.87	1/4	2,580.79	1/4	2,319.55	1/4	2,058.07	1/4	1,796.59
1/2		1/2		1/2		1/2	3,354.91	1/2	3,095.52	1/2	2,835.45	1/2	2,575.38	1/2	2,314.10	1/2	2,052.62	1/2	1,791.14
3/4		3/4		3/4		3/4	3,349.59	3/4	3,090.10	3/4	2,830.03	3/4	2,569.96	3/4	2,308.65	3/4	2,047.17	3/4	1,785.69
7		7		7		7	3,344.27	7	3,084.69	7	2,824.61	7	2,564.54	7	2,303.21	7	2,041.73	7	1,780.25
1/4		1/4		1/4		1/4	3,338.95	1/4	3,079.27	1/4	2,819.19	1/4	2,559.12	1/4	2,297.76	1/4	2,036.28	1/4	1,774.80
1/2		1/2		1/2		1/2	3,333.63	1/2	3,073.85	1/2	2,813.78	1/2	2,553.70	1/2	2,292.31	1/2	2,030.83	1/2	1,769.35
3/4		3/4		3/4		3/4	3,328.31	3/4	3,068.43	3/4	2,808.36	3/4	2,548.28	3/4	2,286.86	3/4	2,025.38	3/4	1,763.90
8		8		8		8	3,322.99	8	3,063.01	8	2,802.94	8	2,542.87	8	2,281.42	8	2,019.94	8	1,758.46
1/4		1/4		1/4		1/4	3,317.67	1/4	3,057.60	1/4	2,797.52	1/4	2,537.45	1/4	2,275.97	1/4	2,014.49	1/4	1,753.01
1/2		1/2		1/2		1/2	3,312.25	1/2	3,052.18	1/2	2,792.10	1/2	2,532.00	1/2	2,270.52	1/2	2,009.04	1/2	1,747.56
3/4		3/4		3/4		3/4	3,306.83	3/4	3,046.76	3/4	2,786.69	3/4	2,526.55	3/4	2,265.07	3/4	2,003.59	3/4	1,742.11
9		9		9		9	3,301.41	9	3,041.34	9	2,781.27	9	2,521.11	9	2,259.63	9	1,998.15	9	1,736.67
1/4		1/4		1/4		1/4	3,296.00	1/4	3,035.92	1/4	2,775.85	1/4	2,515.66	1/4	2,254.18	1/4	1,992.70	1/4	1,731.22
1/2		1/2		1/2		1/2	3,290.58	1/2	3,030.50	1/2	2,770.43	1/2	2,510.21	1/2	2,248.73	1/2	1,987.25	1/2	1,725.77
3/4		3/4		3/4		3/4	3,285.16	3/4	3,025.09	3/4	2,765.01	3/4	2,504.76	3/4	2,243.28	3/4	1,981.80	3/4	1,720.32
10		10		10		10	3,279.74	10	3,019.67	10	2,759.59	10	2,499.32	10	2,237.84	10	1,976.36	10	1,714.88
1/4		1/4		1/4		1/4	3,274.32	1/4	3,014.25	1/4	2,754.18	1/4	2,493.87	1/4	2,232.39	1/4	1,970.91	1/4	1,709.43
1/2		1/2		1/2		1/2	3,268.91	1/2	3,008.83	1/2	2,748.76	1/2	2,488.42	1/2	2,226.94	1/2	1,965.46	1/2	1,703.98
3/4		3/4		3/4		3/4	3,263.49	3/4	3,003.41	3/4	2,743.34	3/4	2,482.97	3/4	2,221.49	3/4	1,960.01	3/4	1,698.53
11		11		11		11	3,258.07	11	2,998.00	11	2,737.92	11	2,477.53	11	2,216.05	11	1,954.57	11	1,693.09
1/4		1/4		1/4		1/4	3,252.65	1/4	2,992.58	1/4	2,732.50	1/4	2,472.08	1/4	2,210.60	1/4	1,949.12	1/4	1,687.64
1/2		1/2		1/2		1/2	3,247.23	1/2	2,987.16	1/2	2,727.09	1/2	2,466.63	1/2	2,205.15	1/2	1,943.67	1/2	1,682.19
3/4		3/4		3/4		3/4	3,241.81	3/4	2,981.74	3/4	2,721.67	3/4	2,461.18	3/4	2,199.70	3/4	1,938.22	3/4	1,676.74

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.

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 10113"

3 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	1,671.30	0	1,409.82	0	1,148.18	0	887.37	0	626.52	0	364.90	0	103.34	0		0		0	
1/4	1,665.85	1/4	1,404.37	1/4	1,142.73	1/4	881.95	1/4	621.07	1/4	359.45	1/4	97.91	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,660.40	1/2	1,398.92	1/2	1,137.27	1/2	876.54	1/2	615.62	1/2	353.99	1/2	92.49	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,654.95	3/4	1,393.47	3/4	1,131.82	3/4	871.12	3/4	610.17	3/4	348.54	3/4	87.08	3/4	3/4	3/4	3/4	3/4	3/4
1	1,649.51	1	1,388.02	1	1,126.37	1	865.71	1	604.72	1	343.09	1	81.66	1	1	1	1	1	1
1/4	1,644.06	1/4	1,382.56	1/4	1,120.92	1/4	860.29	1/4	599.27	1/4	337.64	1/4	76.25	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,638.61	1/2	1,377.11	1/2	1,115.47	1/2	854.88	1/2	593.82	1/2	332.19	1/2	70.86	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,633.16	3/4	1,371.66	3/4	1,110.02	3/4	849.47	3/4	588.37	3/4	326.74	3/4	65.47	3/4	3/4	3/4	3/4	3/4	3/4
2	1,627.72	2	1,366.21	2	1,104.57	2	844.05	2	582.92	2	321.29	2	60.08	2	2	2	2	2	2
1/4	1,622.27	1/4	1,360.76	1/4	1,099.12	1/4	838.64	1/4	577.47	1/4	315.84	1/4	54.70	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,616.82	1/2	1,355.31	1/2	1,093.67	1/2	833.22	1/2	572.01	1/2	310.39	1/2	49.36	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,611.37	3/4	1,349.86	3/4	1,088.22	3/4	827.81	3/4	566.56	3/4	304.94	3/4	44.02	3/4	3/4	3/4	3/4	3/4	3/4
3	1,605.93	3	1,344.41	3	1,082.77	3	822.39	3	561.11	3	299.49	3	38.68	3	3	3	3	3	3
1/4	1,600.48	1/4	1,338.96	1/4	1,077.31	1/4	816.98	1/4	555.66	1/4	294.04	1/4	33.34	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,595.03	1/2	1,333.51	1/2	1,071.86	1/2	811.57	1/2	550.21	1/2	288.59	1/2	28.81	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,589.58	3/4	1,328.06	3/4	1,066.41	3/4	806.16	3/4	544.76	3/4	283.14	3/4	24.28	3/4	3/4	3/4	3/4	3/4	3/4
4	1,584.14	4	1,322.60	4	1,060.96	4	800.75	4	539.31	4	277.69	4	19.74	4	4	4	4	4	4
1/4	1,578.69	1/4	1,317.15	1/4	1,055.51	1/4	795.34	1/4	533.86	1/4	272.24	1/4	15.21	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,573.24	1/2	1,311.70	1/2	1,050.06	1/2	789.90	1/2	528.41	1/2	266.79	1/2	12.48	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,567.79	3/4	1,306.25	3/4	1,044.61	3/4	784.45	3/4	522.96	3/4	261.34	3/4	9.76	3/4	3/4	3/4	3/4	3/4	3/4
5	1,562.35	5	1,300.80	5	1,039.16	5	779.00	5	517.51	5	255.89	5	7.03	5	5	5	5	5	5
1/4	1,556.90	1/4	1,295.35	1/4	1,033.71	1/4	773.56	1/4	512.06	1/4	250.44	1/4	4.31	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,551.45	1/2	1,289.90	1/2	1,028.26	1/2	768.11	1/2	506.61	1/2	244.98	1/2	3.40	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,546.00	3/4	1,284.45	3/4	1,022.81	3/4	762.67	3/4	501.16	3/4	239.53	3/4	2.49	3/4	3/4	3/4	3/4	3/4	3/4
6	1,540.56	6	1,279.00	6	1,017.35	6	757.22	6	495.71	6	234.08	6	1.58	6	6	6	6	6	6
1/4	1,535.11	1/4	1,273.55	1/4	1,011.90	1/4	751.78	1/4	490.26	1/4	228.63	1/4	0.68	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,529.66	1/2	1,268.10	1/2	1,006.49	1/2	746.33	1/2	484.81	1/2	223.18	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,524.21	3/4	1,262.64	3/4	1,001.07	3/4	740.89	3/4	479.36	3/4	217.73	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	1,518.77	7	1,257.19	7	995.66	7	735.44	7	473.91	7	212.28	7		7	7	7	7	7	7
1/4	1,513.32	1/4	1,251.74	1/4	990.25	1/4	729.99	1/4	468.46	1/4	206.83	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,507.87	1/2	1,246.29	1/2	984.83	1/2	724.55	1/2	463.00	1/2	201.38	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,502.42	3/4	1,240.84	3/4	979.42	3/4	719.10	3/4	457.55	3/4	195.93	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,496.98	8	1,235.39	8	974.00	8	713.66	8	452.10	8	190.48	8		8	8	8	8	8	8
1/4	1,491.53	1/4	1,229.94	1/4	968.59	1/4	708.21	1/4	446.65	1/4	185.03	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,486.08	1/2	1,224.49	1/2	963.17	1/2	702.77	1/2	441.20	1/2	179.58	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,480.63	3/4	1,219.04	3/4	957.76	3/4	697.32	3/4	435.75	3/4	174.13	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,475.19	9	1,213.59	9	952.34	9	691.88	9	430.30	9	168.68	9		9	9	9	9	9	9
1/4	1,469.74	1/4	1,208.14	1/4	946.93	1/4	686.43	1/4	424.85	1/4	163.23	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,464.29	1/2	1,202.69	1/2	941.51	1/2	680.98	1/2	419.40	1/2	157.78	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,458.84	3/4	1,197.23	3/4	936.10	3/4	675.54	3/4	413.95	3/4	152.33	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,453.40	10	1,191.78	10	930.68	10	670.09	10	408.50	10	146.88	10		10	10	10	10	10	10
1/4	1,447.95	1/4	1,186.33	1/4	925.27	1/4	664.65	1/4	403.05	1/4	141.43	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,442.50	1/2	1,180.88	1/2	919.86	1/2	659.20	1/2	397.60	1/2	135.98	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,437.05	3/4	1,175.43	3/4	914.44	3/4	653.76	3/4	392.15	3/4	130.54	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,431.61	11	1,169.98	11	909.03	11	648.31	11	386.70	11	125.09	11		11	11	11	11	11	11
1/4	1,426.16	1/4	1,164.53	1/4	903.61	1/4	642.87	1/4	381.25	1/4	119.65	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,420.71	1/2	1,159.08	1/2	898.20	1/2	637.42	1/2	375.80	1/2	114.21	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,415.26	3/4	1,153.63	3/4	892.78	3/4	631.97	3/4	370.35	3/4	108.78	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/13/2014 SW
CALCULATED: 03/14/2014 CL
VERIFIED: 04/09/2024

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2024

PRECISION MEASUREMENT
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