



BARGE "LACB-115"

ULLAGE (HERMETIC)
FORMERLY "KIRBY 29216"

	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 PORT	- 02-1/8	02-1/8	- 04-3/8	04-3/8	- 06-1/2	06-1/2	- 08-1/2	08-1/2	- 10-7/8	10-7/8	- 13-1/8	13-1/8
1 STBD	- 02-1/8	02-1/8	- 04-3/8	04-3/8	- 06-1/2	06-1/2	- 08-1/2	08-1/2	- 10-7/8	10-7/8	- 13-1/8	13-1/8
2 PORT	- 02-0/8	02-0/8	- 04-1/8	04-1/8	- 06-1/8	06-1/8	- 08-1/4	08-1/4	- 10-1/4	10-1/4	- 12-3/8	12-3/8
2 STBD	- 02-0/8	02-0/8	- 04-1/8	04-1/8	- 06-1/8	06-1/8	- 08-1/4	08-1/4	- 10-1/4	10-1/4	- 12-3/8	12-3/8
3 PORT	02-1/8	- 02-1/8	04-1/8	- 04-1/8	06-1/4	- 06-1/4	08-3/8	- 08-3/8	10-1/2	- 10-1/2	12-1/2	- 12-1/2
3 STBD	02-1/8	- 02-1/8	04-1/8	- 04-1/8	06-1/4	- 06-1/4	08-3/8	- 08-3/8	10-1/2	- 10-1/2	12-1/2	- 12-1/2

(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 PORT IS 04-3/8"
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-04 3/8"

August 23, 2023

PRECISION MEASUREMENT
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BARGE "LACB-115"

1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 29216"

GAUGE HEIGHT 18'-10"

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	4,999.90	0	4,632.41	0	4,264.92	0	3,897.43	0	3,529.94
1/4		1/4		1/4		1/4		1/4		1/4	4,992.24	1/4	4,624.75	1/4	4,257.27	1/4	3,889.78	1/4	3,522.29
1/2		1/2		1/2		1/2		1/2		1/2	4,984.59	1/2	4,617.10	1/2	4,249.61	1/2	3,882.12	1/2	3,514.63
3/4		3/4		3/4		3/4		3/4		3/4	4,976.93	3/4	4,609.44	3/4	4,241.96	3/4	3,874.47	3/4	3,506.98
1		1		1		1		1		1	4,969.27	1	4,601.78	1	4,234.30	1	3,866.81	1	3,499.32
1/4		1/4		1/4		1/4		1/4		1/4	4,961.62	1/4	4,594.13	1/4	4,226.64	1/4	3,859.15	1/4	3,491.67
1/2		1/2		1/2		1/2		1/2		1/2	4,953.96	1/2	4,586.47	1/2	4,218.99	1/2	3,851.50	1/2	3,484.01
3/4		3/4		3/4		3/4		3/4	5,210.14	3/4	4,946.31	3/4	4,578.82	3/4	4,211.33	3/4	3,843.84	3/4	3,476.36
2		2		2		2		2	5,209.72	2	4,938.65	2	4,571.16	2	4,203.67	2	3,836.18	2	3,468.70
1/4		1/4		1/4		1/4		1/4	5,208.81	1/4	4,930.99	1/4	4,563.51	1/4	4,196.02	1/4	3,828.53	1/4	3,461.04
1/2		1/2		1/2		1/2		1/2	5,207.89	1/2	4,923.34	1/2	4,555.85	1/2	4,188.36	1/2	3,820.87	1/2	3,453.39
3/4		3/4		3/4		3/4		3/4	5,206.98	3/4	4,915.68	3/4	4,548.20	3/4	4,180.71	3/4	3,813.22	3/4	3,445.73
3		3		3		3		3	5,206.06	3	4,908.02	3	4,540.54	3	4,173.05	3	3,805.56	3	3,438.07
1/4		1/4		1/4		1/4		1/4	5,204.08	1/4	4,900.37	1/4	4,532.88	1/4	4,165.39	1/4	3,797.91	1/4	3,430.42
1/2		1/2		1/2		1/2		1/2	5,202.11	1/2	4,892.71	1/2	4,525.23	1/2	4,157.74	1/2	3,790.25	1/2	3,422.76
3/4		3/4		3/4		3/4		3/4	5,200.13	3/4	4,885.06	3/4	4,517.57	3/4	4,150.08	3/4	3,782.60	3/4	3,415.11
4		4		4		4		4	5,198.15	4	4,877.40	4	4,509.91	4	4,142.42	4	3,774.94	4	3,407.45
1/4		1/4		1/4		1/4		1/4	5,195.04	1/4	4,869.75	1/4	4,502.26	1/4	4,134.77	1/4	3,767.28	1/4	3,399.79
1/2		1/2		1/2		1/2		1/2	5,191.93	1/2	4,862.09	1/2	4,494.60	1/2	4,127.11	1/2	3,759.63	1/2	3,392.14
3/4		3/4		3/4		3/4		3/4	5,188.82	3/4	4,854.44	3/4	4,486.95	3/4	4,119.46	3/4	3,751.97	3/4	3,384.48
5		5		5		5		5	5,185.71	5	4,846.78	5	4,479.29	5	4,111.80	5	3,744.31	5	3,376.82
1/4		1/4		1/4		1/4		1/4	5,181.47	1/4	4,839.12	1/4	4,471.63	1/4	4,104.15	1/4	3,736.66	1/4	3,369.17
1/2		1/2		1/2		1/2		1/2	5,177.23	1/2	4,831.47	1/2	4,463.98	1/2	4,096.49	1/2	3,729.00	1/2	3,361.51
3/4		3/4		3/4		3/4		3/4	5,172.99	3/4	4,823.81	3/4	4,456.32	3/4	4,088.84	3/4	3,721.35	3/4	3,353.86
6		6		6		6		6	5,168.75	6	4,816.15	6	4,448.66	6	4,081.18	6	3,713.69	6	3,346.20
1/4		1/4		1/4		1/4		1/4	5,163.38	1/4	4,808.50	1/4	4,441.01	1/4	4,073.52	1/4	3,706.03	1/4	3,338.55
1/2		1/2		1/2		1/2		1/2	5,158.00	1/2	4,800.84	1/2	4,433.35	1/2	4,065.87	1/2	3,698.38	1/2	3,330.89
3/4		3/4		3/4		3/4		3/4	5,152.63	3/4	4,793.19	3/4	4,425.70	3/4	4,058.21	3/4	3,690.72	3/4	3,323.24
7		7		7		7		7	5,147.25	7	4,785.53	7	4,418.04	7	4,050.55	7	3,683.06	7	3,315.58
1/4		1/4		1/4		1/4		1/4	5,140.74	1/4	4,777.87	1/4	4,410.39	1/4	4,042.90	1/4	3,675.41	1/4	3,307.92
1/2		1/2		1/2		1/2		1/2	5,134.24	1/2	4,770.22	1/2	4,402.73	1/2	4,035.24	1/2	3,667.75	1/2	3,300.27
3/4		3/4		3/4		3/4		3/4	5,127.73	3/4	4,762.56	3/4	4,395.08	3/4	4,027.59	3/4	3,660.10	3/4	3,292.61
8		8		8		8		8	5,121.22	8	4,754.90	8	4,387.42	8	4,019.93	8	3,652.44	8	3,284.95
1/4		1/4		1/4		1/4		1/4	5,113.86	1/4	4,747.25	1/4	4,379.76	1/4	4,012.27	1/4	3,644.79	1/4	3,277.30
1/2		1/2		1/2		1/2		1/2	5,106.50	1/2	4,739.59	1/2	4,372.11	1/2	4,004.62	1/2	3,637.13	1/2	3,269.64
3/4		3/4		3/4		3/4		3/4	5,099.13	3/4	4,731.94	3/4	4,364.45	3/4	3,996.96	3/4	3,629.48	3/4	3,261.99
9		9		9		9		9	5,091.77	9	4,724.28	9	4,356.79	9	3,989.30	9	3,621.82	9	3,254.33
1/4		1/4		1/4		1/4		1/4	5,084.11	1/4	4,716.63	1/4	4,349.14	1/4	3,981.65	1/4	3,614.16	1/4	3,246.67
1/2		1/2		1/2		1/2		1/2	5,076.46	1/2	4,708.97	1/2	4,341.48	1/2	3,973.99	1/2	3,606.51	1/2	3,239.02
3/4		3/4		3/4		3/4		3/4	5,068.80	3/4	4,701.32	3/4	4,333.83	3/4	3,966.34	3/4	3,598.85	3/4	3,231.36
10		10		10		10		10	5,061.14	10	4,693.66	10	4,326.17	10	3,958.68	10	3,591.19	10	3,223.70
1/4		1/4		1/4		1/4		1/4	5,053.49	1/4	4,686.00	1/4	4,318.51	1/4	3,951.03	1/4	3,583.54	1/4	3,216.05
1/2		1/2		1/2		1/2		1/2	5,045.83	1/2	4,678.35	1/2	4,310.86	1/2	3,943.37	1/2	3,575.88	1/2	3,208.39
3/4		3/4		3/4		3/4		3/4	5,038.18	3/4	4,670.69	3/4	4,303.20	3/4	3,935.72	3/4	3,568.23	3/4	3,200.74
11		11		11		11		11	5,030.52	11	4,663.03	11	4,295.54	11	3,928.06	11	3,560.57	11	3,193.08
1/4		1/4		1/4		1/4		1/4	5,022.87	1/4	4,655.38	1/4	4,287.89	1/4	3,920.40	1/4	3,552.91	1/4	3,185.43
1/2		1/2		1/2		1/2		1/2	5,015.21	1/2	4,647.72	1/2	4,280.23	1/2	3,912.75	1/2	3,545.26	1/2	3,177.77
3/4		3/4		3/4		3/4		3/4	5,007.56	3/4	4,640.07	3/4	4,272.58	3/4	3,905.09	3/4	3,537.60	3/4	3,170.12

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" DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 3'-00" OFF CENTERLINE AND 1'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "LACB-115"

1 PORT

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 29216"

GAUGE HEIGHT 18'-10"

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	3,162.46	0	2,794.97	0	2,427.48	0	2,059.99	0	1,692.50	0	1,325.02	0	957.53	0	590.04	0	234.53	0	
1/4	3,154.80	1/4	2,787.31	1/4	2,419.83	1/4	2,052.34	1/4	1,684.85	1/4	1,317.36	1/4	949.87	1/4	582.39	1/4	227.52	1/4	
1/2	3,147.15	1/2	2,779.66	1/2	2,412.17	1/2	2,044.68	1/2	1,677.19	1/2	1,309.71	1/2	942.22	1/2	574.73	1/2	220.50	1/2	
3/4	3,139.49	3/4	2,772.00	3/4	2,404.52	3/4	2,037.03	3/4	1,669.54	3/4	1,302.05	3/4	934.56	3/4	567.08	3/4	213.49	3/4	
1	3,131.83	1	2,764.34	1	2,396.86	1	2,029.37	1	1,661.88	1	1,294.39	1	926.90	1	559.42	1	206.47	1	
1/4	3,124.18	1/4	2,756.69	1/4	2,389.20	1/4	2,021.71	1/4	1,654.23	1/4	1,286.74	1/4	919.25	1/4	551.76	1/4	199.52	1/4	
1/2	3,116.52	1/2	2,749.03	1/2	2,381.55	1/2	2,014.06	1/2	1,646.57	1/2	1,279.08	1/2	911.59	1/2	544.11	1/2	192.57	1/2	
3/4	3,108.87	3/4	2,741.38	3/4	2,373.89	3/4	2,006.40	3/4	1,638.92	3/4	1,271.43	3/4	903.94	3/4	536.45	3/4	185.61	3/4	
2	3,101.21	2	2,733.72	2	2,366.23	2	1,998.74	2	1,631.26	2	1,263.77	2	896.28	2	528.79	2	178.66	2	
1/4	3,093.55	1/4	2,726.07	1/4	2,358.58	1/4	1,991.09	1/4	1,623.60	1/4	1,256.11	1/4	888.63	1/4	521.17	1/4	171.89	1/4	
1/2	3,085.90	1/2	2,718.41	1/2	2,350.92	1/2	1,983.43	1/2	1,615.95	1/2	1,248.46	1/2	880.97	1/2	513.56	1/2	165.13	1/2	
3/4	3,078.24	3/4	2,710.76	3/4	2,343.27	3/4	1,975.78	3/4	1,608.29	3/4	1,240.80	3/4	873.32	3/4	505.94	3/4	158.36	3/4	
3	3,070.58	3	2,703.10	3	2,335.61	3	1,968.12	3	1,600.63	3	1,233.14	3	865.66	3	498.32	3	151.59	3	
1/4	3,062.93	1/4	2,695.44	1/4	2,327.95	1/4	1,960.47	1/4	1,592.98	1/4	1,225.49	1/4	858.00	1/4	490.74	1/4	145.00	1/4	
1/2	3,055.27	1/2	2,687.79	1/2	2,320.30	1/2	1,952.81	1/2	1,585.32	1/2	1,217.83	1/2	850.35	1/2	483.17	1/2	138.42	1/2	
3/4	3,047.62	3/4	2,680.13	3/4	2,312.64	3/4	1,945.16	3/4	1,577.67	3/4	1,210.18	3/4	842.69	3/4	475.59	3/4	131.83	3/4	
4	3,039.96	4	2,672.47	4	2,304.98	4	1,937.50	4	1,570.01	4	1,202.52	4	835.03	4	468.01	4	125.24	4	
1/4	3,032.31	1/4	2,664.82	1/4	2,297.33	1/4	1,929.84	1/4	1,562.35	1/4	1,194.87	1/4	827.38	1/4	460.50	1/4	118.72	1/4	
1/2	3,024.65	1/2	2,657.16	1/2	2,289.67	1/2	1,922.19	1/2	1,554.70	1/2	1,187.21	1/2	819.72	1/2	452.98	1/2	112.19	1/2	
3/4	3,017.00	3/4	2,649.51	3/4	2,282.02	3/4	1,914.53	3/4	1,547.04	3/4	1,179.56	3/4	812.07	3/4	445.47	3/4	105.67	3/4	
5	3,009.34	5	2,641.85	5	2,274.36	5	1,906.87	5	1,539.38	5	1,171.90	5	804.41	5	437.95	5	99.14	5	
1/4	3,001.68	1/4	2,634.19	1/4	2,266.71	1/4	1,899.22	1/4	1,531.73	1/4	1,164.24	1/4	796.75	1/4	430.50	1/4	92.68	1/4	
1/2	2,994.03	1/2	2,626.54	1/2	2,259.05	1/2	1,891.56	1/2	1,524.07	1/2	1,156.59	1/2	789.10	1/2	423.05	1/2	86.22	1/2	
3/4	2,986.37	3/4	2,618.88	3/4	2,251.40	3/4	1,883.91	3/4	1,516.42	3/4	1,148.93	3/4	781.44	3/4	415.59	3/4	79.75	3/4	
6	2,978.71	6	2,611.22	6	2,243.74	6	1,876.25	6	1,508.76	6	1,141.27	6	773.78	6	408.14	6	73.29	6	
1/4	2,971.06	1/4	2,603.57	1/4	2,236.08	1/4	1,868.59	1/4	1,501.11	1/4	1,133.62	1/4	766.13	1/4	400.75	1/4	66.89	1/4	
1/2	2,963.40	1/2	2,595.91	1/2	2,228.43	1/2	1,860.94	1/2	1,493.45	1/2	1,125.96	1/2	758.47	1/2	393.36	1/2	60.49	1/2	
3/4	2,955.75	3/4	2,588.26	3/4	2,220.77	3/4	1,853.28	3/4	1,485.80	3/4	1,118.31	3/4	750.82	3/4	385.97	3/4	54.08	3/4	
7	2,948.09	7	2,580.60	7	2,213.11	7	1,845.62	7	1,478.14	7	1,110.65	7	743.16	7	378.58	7	47.68	7	
1/4	2,940.43	1/4	2,572.95	1/4	2,205.46	1/4	1,837.97	1/4	1,470.36	1/4	1,102.99	1/4	735.51	1/4	371.25	1/4	42.42	1/4	
1/2	2,932.78	1/2	2,565.29	1/2	2,197.80	1/2	1,830.31	1/2	1,462.57	1/2	1,095.34	1/2	727.85	1/2	363.93	1/2	37.16	1/2	
3/4	2,925.12	3/4	2,557.64	3/4	2,190.15	3/4	1,822.66	3/4	1,454.79	3/4	1,087.68	3/4	720.20	3/4	356.60	3/4	31.90	3/4	
8	2,917.46	8	2,549.98	8	2,182.49	8	1,815.00	8	1,447.00	8	1,080.02	8	712.54	8	349.27	8	26.64	8	
1/4	2,909.81	1/4	2,542.32	1/4	2,174.83	1/4	1,807.35	1/4	1,439.47	1/4	1,072.37	1/4	704.88	1/4	342.01	1/4	22.83	1/4	
1/2	2,902.15	1/2	2,534.67	1/2	2,167.18	1/2	1,799.69	1/2	1,431.95	1/2	1,064.71	1/2	697.23	1/2	334.74	1/2	19.03	1/2	
3/4	2,894.50	3/4	2,527.01	3/4	2,159.52	3/4	1,792.04	3/4	1,424.42	3/4	1,057.06	3/4	689.57	3/4	327.48	3/4	15.22	3/4	
9	2,886.84	9	2,519.35	9	2,151.86	9	1,784.38	9	1,416.89	9	1,049.40	9	681.91	9	320.21	9	11.41	9	
1/4	2,879.19	1/4	2,511.70	1/4	2,144.21	1/4	1,776.72	1/4	1,409.23	1/4	1,041.75	1/4	674.26	1/4	313.01	1/4	9.27	1/4	
1/2	2,871.53	1/2	2,504.04	1/2	2,136.55	1/2	1,769.07	1/2	1,401.58	1/2	1,034.09	1/2	666.60	1/2	305.80	1/2	7.13	1/2	
3/4	2,863.88	3/4	2,496.39	3/4	2,128.90	3/4	1,761.41	3/4	1,393.92	3/4	1,026.44	3/4	658.95	3/4	298.60	3/4	4.98	3/4	
10	2,856.22	10	2,488.73	10	2,121.24	10	1,753.75	10	1,386.26	10	1,018.78	10	651.29	10	291.39	10	2.84	10	
1/4	2,848.56	1/4	2,481.07	1/4	2,113.59	1/4	1,746.10	1/4	1,378.61	1/4	1,011.12	1/4	643.63	1/4	284.25	1/4		1/4	
1/2	2,840.91	1/2	2,473.42	1/2	2,105.93	1/2	1,738.44	1/2	1,370.95	1/2	1,003.47	1/2	635.98	1/2	277.11	1/2		1/2	
3/4	2,833.25	3/4	2,465.76	3/4	2,098.28	3/4	1,730.79	3/4	1,363.30	3/4	995.81	3/4	628.32	3/4	269.97	3/4		3/4	
11	2,825.59	11	2,458.10	11	2,090.62	11	1,723.13	11	1,355.64	11	988.15	11	620.66	11	262.83	11		11	
1/4	2,817.94	1/4	2,450.45	1/4	2,082.96	1/4	1,715.47	1/4	1,347.99	1/4	980.50	1/4	613.01	1/4	255.76	1/4		1/4	
1/2	2,810.28	1/2	2,442.79	1/2	2,075.31	1/2	1,707.82	1/2	1,340.33	1/2	972.84	1/2	605.35	1/2	248.68	1/2		1/2	
3/4	2,802.63	3/4	2,435.14	3/4	2,067.65	3/4	1,700.16	3/4	1,332.68	3/4	965.19	3/4	597.70	3/4	241.61	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/14/2005 INSP
RECALCULATED: 06/08/2020 PMA
NAME CHANGE: 08/23/2023 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

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



BARGE "LACB-115"

1 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 29216"

GAUGE HEIGHT 18'-09 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0		0	4,984.59	0	4,617.10	0	4,249.61	0	3,882.12	0	3,514.63
1/4		1/4		1/4		1/4		1/4		1/4	4,976.93	1/4	4,609.44	1/4	4,241.96	1/4	3,874.47	1/4	3,506.98
1/2		1/2		1/2		1/2		1/2		1/2	4,969.27	1/2	4,601.78	1/2	4,234.30	1/2	3,866.81	1/2	3,499.32
3/4		3/4		3/4		3/4		3/4		3/4	4,961.62	3/4	4,594.13	3/4	4,226.64	3/4	3,859.15	3/4	3,491.67
1		1		1		1		1		1	4,953.96	1	4,586.47	1	4,218.99	1	3,851.50	1	3,484.01
1/4		1/4		1/4		1/4		1/4	5,210.14	1/4	4,946.31	1/4	4,578.82	1/4	4,211.33	1/4	3,843.84	1/4	3,476.36
1/2		1/2		1/2		1/2		1/2	5,209.72	1/2	4,938.65	1/2	4,571.16	1/2	4,203.67	1/2	3,836.18	1/2	3,468.70
3/4		3/4		3/4		3/4		3/4	5,208.81	3/4	4,930.99	3/4	4,563.51	3/4	4,196.02	3/4	3,828.53	3/4	3,461.04
2		2		2		2		2	5,207.89	2	4,923.34	2	4,555.85	2	4,188.36	2	3,820.87	2	3,453.39
1/4		1/4		1/4		1/4		1/4	5,206.98	1/4	4,915.68	1/4	4,548.20	1/4	4,180.71	1/4	3,813.22	1/4	3,445.73
1/2		1/2		1/2		1/2		1/2	5,206.06	1/2	4,908.02	1/2	4,540.54	1/2	4,173.05	1/2	3,805.56	1/2	3,438.07
3/4		3/4		3/4		3/4		3/4	5,204.08	3/4	4,900.37	3/4	4,532.88	3/4	4,165.39	3/4	3,797.91	3/4	3,430.42
3		3		3		3		3	5,202.11	3	4,892.71	3	4,525.23	3	4,157.74	3	3,790.25	3	3,422.76
1/4		1/4		1/4		1/4		1/4	5,200.13	1/4	4,885.06	1/4	4,517.57	1/4	4,150.08	1/4	3,782.60	1/4	3,415.11
1/2		1/2		1/2		1/2		1/2	5,198.15	1/2	4,877.40	1/2	4,509.91	1/2	4,142.42	1/2	3,774.94	1/2	3,407.45
3/4		3/4		3/4		3/4		3/4	5,195.04	3/4	4,869.75	3/4	4,502.26	3/4	4,134.77	3/4	3,767.28	3/4	3,399.79
4		4		4		4		4	5,191.93	4	4,862.09	4	4,494.60	4	4,127.11	4	3,759.63	4	3,392.14
1/4		1/4		1/4		1/4		1/4	5,188.82	1/4	4,854.44	1/4	4,486.95	1/4	4,119.46	1/4	3,751.97	1/4	3,384.48
1/2		1/2		1/2		1/2		1/2	5,185.71	1/2	4,846.78	1/2	4,479.29	1/2	4,111.80	1/2	3,744.31	1/2	3,376.82
3/4		3/4		3/4		3/4		3/4	5,181.47	3/4	4,839.12	3/4	4,471.63	3/4	4,104.15	3/4	3,736.66	3/4	3,369.17
5		5		5		5		5	5,177.23	5	4,831.47	5	4,463.98	5	4,096.49	5	3,729.00	5	3,361.51
1/4		1/4		1/4		1/4		1/4	5,172.99	1/4	4,823.81	1/4	4,456.32	1/4	4,088.84	1/4	3,721.35	1/4	3,353.86
1/2		1/2		1/2		1/2		1/2	5,168.75	1/2	4,816.15	1/2	4,448.66	1/2	4,081.18	1/2	3,713.69	1/2	3,346.20
3/4		3/4		3/4		3/4		3/4	5,163.38	3/4	4,808.50	3/4	4,441.01	3/4	4,073.52	3/4	3,706.03	3/4	3,338.55
6		6		6		6		6	5,158.00	6	4,800.84	6	4,433.35	6	4,065.87	6	3,698.38	6	3,330.89
1/4		1/4		1/4		1/4		1/4	5,152.63	1/4	4,793.19	1/4	4,425.70	1/4	4,058.21	1/4	3,690.72	1/4	3,323.24
1/2		1/2		1/2		1/2		1/2	5,147.25	1/2	4,785.53	1/2	4,418.04	1/2	4,050.55	1/2	3,683.06	1/2	3,315.58
3/4		3/4		3/4		3/4		3/4	5,140.74	3/4	4,777.87	3/4	4,410.39	3/4	4,042.90	3/4	3,675.41	3/4	3,307.92
7		7		7		7		7	5,134.24	7	4,770.22	7	4,402.73	7	4,035.24	7	3,667.75	7	3,300.27
1/4		1/4		1/4		1/4		1/4	5,127.73	1/4	4,762.56	1/4	4,395.08	1/4	4,027.59	1/4	3,660.10	1/4	3,292.61
1/2		1/2		1/2		1/2		1/2	5,121.22	1/2	4,754.90	1/2	4,387.42	1/2	4,019.93	1/2	3,652.44	1/2	3,284.95
3/4		3/4		3/4		3/4		3/4	5,113.86	3/4	4,747.25	3/4	4,379.76	3/4	4,012.27	3/4	3,644.79	3/4	3,277.30
8		8		8		8		8	5,106.50	8	4,739.59	8	4,372.11	8	4,004.62	8	3,637.13	8	3,269.64
1/4		1/4		1/4		1/4		1/4	5,099.13	1/4	4,731.94	1/4	4,364.45	1/4	3,996.96	1/4	3,629.48	1/4	3,261.99
1/2		1/2		1/2		1/2		1/2	5,091.77	1/2	4,724.28	1/2	4,356.79	1/2	3,989.30	1/2	3,621.82	1/2	3,254.33
3/4		3/4		3/4		3/4		3/4	5,084.11	3/4	4,716.63	3/4	4,349.14	3/4	3,981.65	3/4	3,614.16	3/4	3,246.67
9		9		9		9		9	5,076.46	9	4,708.97	9	4,341.48	9	3,973.99	9	3,606.51	9	3,239.02
1/4		1/4		1/4		1/4		1/4	5,068.80	1/4	4,701.32	1/4	4,333.83	1/4	3,966.34	1/4	3,598.85	1/4	3,231.36
1/2		1/2		1/2		1/2		1/2	5,061.14	1/2	4,693.66	1/2	4,326.17	1/2	3,958.68	1/2	3,591.19	1/2	3,223.70
3/4		3/4		3/4		3/4		3/4	5,053.49	3/4	4,686.00	3/4	4,318.51	3/4	3,951.03	3/4	3,583.54	3/4	3,216.05
10		10		10		10		10	5,045.83	10	4,678.35	10	4,310.86	10	3,943.37	10	3,575.88	10	3,208.39
1/4		1/4		1/4		1/4		1/4	5,038.18	1/4	4,670.69	1/4	4,303.20	1/4	3,935.72	1/4	3,568.23	1/4	3,200.74
1/2		1/2		1/2		1/2		1/2	5,030.52	1/2	4,663.03	1/2	4,295.54	1/2	3,928.06	1/2	3,560.57	1/2	3,193.08
3/4		3/4		3/4		3/4		3/4	5,022.87	3/4	4,655.38	3/4	4,287.89	3/4	3,920.40	3/4	3,552.91	3/4	3,185.43
11		11		11		11		11	5,015.21	11	4,647.72	11	4,280.23	11	3,912.75	11	3,545.26	11	3,177.77
1/4		1/4		1/4		1/4		1/4	5,007.56	1/4	4,640.07	1/4	4,272.58	1/4	3,905.09	1/4	3,537.60	1/4	3,170.12
1/2		1/2		1/2		1/2		1/2	4,999.90	1/2	4,632.41	1/2	4,264.92	1/2	3,897.43	1/2	3,529.94	1/2	3,162.46
3/4		3/4		3/4		3/4		3/4	4,992.24	3/4	4,624.75	3/4	4,257.27	3/4	3,889.78	3/4	3,522.29	3/4	3,154.80

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" DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 3'-00" OFF CENTERLINE AND 1'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "LACB-115"

1 STBD

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 29216"

GAUGE HEIGHT 18'-09 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,147.15	0	2,779.66	0	2,412.17	0	2,044.68	0	1,677.19	0	1,309.71	0	942.22	0	574.73	0	220.50	0	
1/4	3,139.49	1/4	2,772.00	1/4	2,404.52	1/4	2,037.03	1/4	1,669.54	1/4	1,302.05	1/4	934.56	1/4	567.08	1/4	213.49	1/4	
1/2	3,131.83	1/2	2,764.34	1/2	2,396.86	1/2	2,029.37	1/2	1,661.88	1/2	1,294.39	1/2	926.90	1/2	559.42	1/2	206.47	1/2	
3/4	3,124.18	3/4	2,756.69	3/4	2,389.20	3/4	2,021.71	3/4	1,654.23	3/4	1,286.74	3/4	919.25	3/4	551.76	3/4	199.52	3/4	
1	3,116.52	1	2,749.03	1	2,381.55	1	2,014.06	1	1,646.57	1	1,279.08	1	911.59	1	544.11	1	192.57	1	
1/4	3,108.87	1/4	2,741.38	1/4	2,373.89	1/4	2,006.40	1/4	1,638.92	1/4	1,271.43	1/4	903.94	1/4	536.45	1/4	185.61	1/4	
1/2	3,101.21	1/2	2,733.72	1/2	2,366.23	1/2	1,998.74	1/2	1,631.26	1/2	1,263.77	1/2	896.28	1/2	528.79	1/2	178.66	1/2	
3/4	3,093.55	3/4	2,726.07	3/4	2,358.58	3/4	1,991.09	3/4	1,623.60	3/4	1,256.11	3/4	888.63	3/4	521.17	3/4	171.89	3/4	
2	3,085.90	2	2,718.41	2	2,350.92	2	1,983.43	2	1,615.95	2	1,248.46	2	880.97	2	513.56	2	165.13	2	
1/4	3,078.24	1/4	2,710.76	1/4	2,343.27	1/4	1,975.78	1/4	1,608.29	1/4	1,240.80	1/4	873.32	1/4	505.94	1/4	158.36	1/4	
1/2	3,070.58	1/2	2,703.10	1/2	2,335.61	1/2	1,968.12	1/2	1,600.63	1/2	1,233.14	1/2	865.66	1/2	498.32	1/2	151.59	1/2	
3/4	3,062.93	3/4	2,695.44	3/4	2,327.95	3/4	1,960.47	3/4	1,592.98	3/4	1,225.49	3/4	858.00	3/4	490.74	3/4	145.00	3/4	
3	3,055.27	3	2,687.79	3	2,320.30	3	1,952.81	3	1,585.32	3	1,217.83	3	850.35	3	483.17	3	138.42	3	
1/4	3,047.62	1/4	2,680.13	1/4	2,312.64	1/4	1,945.16	1/4	1,577.67	1/4	1,210.18	1/4	842.69	1/4	475.59	1/4	131.83	1/4	
1/2	3,039.96	1/2	2,672.47	1/2	2,304.98	1/2	1,937.50	1/2	1,570.01	1/2	1,202.52	1/2	835.03	1/2	468.01	1/2	125.24	1/2	
3/4	3,032.31	3/4	2,664.82	3/4	2,297.33	3/4	1,929.84	3/4	1,562.35	3/4	1,194.87	3/4	827.38	3/4	460.50	3/4	118.72	3/4	
4	3,024.65	4	2,657.16	4	2,289.67	4	1,922.19	4	1,554.70	4	1,187.21	4	819.72	4	452.98	4	112.19	4	
1/4	3,017.00	1/4	2,649.51	1/4	2,282.02	1/4	1,914.53	1/4	1,547.04	1/4	1,179.56	1/4	812.07	1/4	445.47	1/4	105.67	1/4	
1/2	3,009.34	1/2	2,641.85	1/2	2,274.36	1/2	1,906.87	1/2	1,539.38	1/2	1,171.90	1/2	804.41	1/2	437.95	1/2	99.14	1/2	
3/4	3,001.68	3/4	2,634.19	3/4	2,266.71	3/4	1,899.22	3/4	1,531.73	3/4	1,164.24	3/4	796.75	3/4	430.50	3/4	92.68	3/4	
5	2,994.03	5	2,626.54	5	2,259.05	5	1,891.56	5	1,524.07	5	1,156.59	5	789.10	5	423.05	5	86.22	5	
1/4	2,986.37	1/4	2,618.88	1/4	2,251.40	1/4	1,883.91	1/4	1,516.42	1/4	1,148.93	1/4	781.44	1/4	415.59	1/4	79.75	1/4	
1/2	2,978.71	1/2	2,611.22	1/2	2,243.74	1/2	1,876.25	1/2	1,508.76	1/2	1,141.27	1/2	773.78	1/2	408.14	1/2	73.29	1/2	
3/4	2,971.06	3/4	2,603.57	3/4	2,236.08	3/4	1,868.59	3/4	1,501.11	3/4	1,133.62	3/4	766.13	3/4	400.75	3/4	66.89	3/4	
6	2,963.40	6	2,595.91	6	2,228.43	6	1,860.94	6	1,493.45	6	1,125.96	6	758.47	6	393.36	6	60.49	6	
1/4	2,955.75	1/4	2,588.26	1/4	2,220.77	1/4	1,853.28	1/4	1,485.80	1/4	1,118.31	1/4	750.82	1/4	385.97	1/4	54.08	1/4	
1/2	2,948.09	1/2	2,580.60	1/2	2,213.11	1/2	1,845.62	1/2	1,478.14	1/2	1,110.65	1/2	743.16	1/2	378.58	1/2	47.68	1/2	
3/4	2,940.43	3/4	2,572.95	3/4	2,205.46	3/4	1,837.97	3/4	1,470.36	3/4	1,102.99	3/4	735.51	3/4	371.25	3/4	42.42	3/4	
7	2,932.78	7	2,565.29	7	2,197.80	7	1,830.31	7	1,462.57	7	1,095.34	7	727.85	7	363.93	7	37.16	7	
1/4	2,925.12	1/4	2,557.64	1/4	2,190.15	1/4	1,822.66	1/4	1,454.79	1/4	1,087.68	1/4	720.20	1/4	356.60	1/4	31.90	1/4	
1/2	2,917.46	1/2	2,549.98	1/2	2,182.49	1/2	1,815.00	1/2	1,447.00	1/2	1,080.02	1/2	712.54	1/2	349.27	1/2	26.64	1/2	
3/4	2,909.81	3/4	2,542.32	3/4	2,174.83	3/4	1,807.35	3/4	1,439.47	3/4	1,072.37	3/4	704.88	3/4	342.01	3/4	22.83	3/4	
8	2,902.15	8	2,534.67	8	2,167.18	8	1,799.69	8	1,431.95	8	1,064.71	8	697.23	8	334.74	8	19.03	8	
1/4	2,894.50	1/4	2,527.01	1/4	2,159.52	1/4	1,792.04	1/4	1,424.42	1/4	1,057.06	1/4	689.57	1/4	327.48	1/4	15.22	1/4	
1/2	2,886.84	1/2	2,519.35	1/2	2,151.86	1/2	1,784.38	1/2	1,416.89	1/2	1,049.40	1/2	681.91	1/2	320.21	1/2	11.41	1/2	
3/4	2,879.19	3/4	2,511.70	3/4	2,144.21	3/4	1,776.72	3/4	1,409.23	3/4	1,041.75	3/4	674.26	3/4	313.01	3/4	9.27	3/4	
9	2,871.53	9	2,504.04	9	2,136.55	9	1,769.07	9	1,401.58	9	1,034.09	9	666.60	9	305.80	9	7.13	9	
1/4	2,863.88	1/4	2,496.39	1/4	2,128.90	1/4	1,761.41	1/4	1,393.92	1/4	1,026.44	1/4	658.95	1/4	298.60	1/4	4.98	1/4	
1/2	2,856.22	1/2	2,488.73	1/2	2,121.24	1/2	1,753.75	1/2	1,386.26	1/2	1,018.78	1/2	651.29	1/2	291.39	1/2	2.84	1/2	
3/4	2,848.56	3/4	2,481.07	3/4	2,113.59	3/4	1,746.10	3/4	1,378.61	3/4	1,011.12	3/4	643.63	3/4	284.25	3/4		3/4	
10	2,840.91	10	2,473.42	10	2,105.93	10	1,738.44	10	1,370.95	10	1,003.47	10	635.98	10	277.11	10		10	
1/4	2,833.25	1/4	2,465.76	1/4	2,098.28	1/4	1,730.79	1/4	1,363.30	1/4	995.81	1/4	628.32	1/4	269.97	1/4		1/4	
1/2	2,825.59	1/2	2,458.10	1/2	2,090.62	1/2	1,723.13	1/2	1,355.64	1/2	988.15	1/2	620.66	1/2	262.83	1/2		1/2	
3/4	2,817.94	3/4	2,450.45	3/4	2,082.96	3/4	1,715.47	3/4	1,347.99	3/4	980.50	3/4	613.01	3/4	255.76	3/4		3/4	
11	2,810.28	11	2,442.79	11	2,075.31	11	1,707.82	11	1,340.33	11	972.84	11	605.35	11	248.68	11		11	
1/4	2,802.63	1/4	2,435.14	1/4	2,067.65	1/4	1,700.16	1/4	1,332.68	1/4	965.19	1/4	597.70	1/4	241.61	1/4		1/4	
1/2	2,794.97	1/2	2,427.48	1/2	2,059.99	1/2	1,692.50	1/2	1,325.02	1/2	957.53	1/2	590.04	1/2	234.53	1/2		1/2	
3/4	2,787.31	3/4	2,419.83	3/4	2,052.34	3/4	1,684.85	3/4	1,317.36	3/4	949.87	3/4	582.39	3/4	227.52	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/14/2005 INSP
RECALCULATED: 06/08/2020 PMA
NAME CHANGE: 08/23/2023 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

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



BARGE "LACB-115"

2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 29216"

GAUGE HEIGHT 18'-09 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0		0	4,699.74	0	4,356.56	0	4,012.78	0	3,669.01	0	3,325.23
1/4		1/4		1/4		1/4		1/4		1/4	4,692.60	1/4	4,349.40	1/4	4,005.62	1/4	3,661.85	1/4	3,318.07
1/2		1/2		1/2		1/2		1/2		1/2	4,685.46	1/2	4,342.24	1/2	3,998.46	1/2	3,654.69	1/2	3,310.91
3/4		3/4		3/4		3/4		3/4		3/4	4,678.32	3/4	4,335.08	3/4	3,991.30	3/4	3,647.53	3/4	3,303.75
1		1		1		1		1		1	4,671.18	1	4,327.91	1	3,984.14	1	3,640.36	1	3,296.58
1/4		1/4		1/4		1/4		1/4	4,910.83	1/4	4,664.03	1/4	4,320.75	1/4	3,976.98	1/4	3,633.20	1/4	3,289.42
1/2		1/2		1/2		1/2		1/2	4,910.43	1/2	4,656.89	1/2	4,313.59	1/2	3,969.82	1/2	3,626.04	1/2	3,282.26
3/4		3/4		3/4		3/4		3/4	4,909.57	3/4	4,649.75	3/4	4,306.43	3/4	3,962.66	3/4	3,618.88	3/4	3,275.10
2		2		2		2		2	4,908.71	2	4,642.61	2	4,299.26	2	3,955.49	2	3,611.71	2	3,267.94
1/4		1/4		1/4		1/4		1/4	4,907.84	1/4	4,635.46	1/4	4,292.10	1/4	3,948.33	1/4	3,604.55	1/4	3,260.78
1/2		1/2		1/2		1/2		1/2	4,906.98	1/2	4,628.32	1/2	4,284.94	1/2	3,941.17	1/2	3,597.39	1/2	3,253.62
3/4		3/4		3/4		3/4		3/4	4,905.12	3/4	4,621.18	3/4	4,277.78	3/4	3,934.01	3/4	3,590.23	3/4	3,246.46
3		3		3		3		3	4,903.26	3	4,614.04	3	4,270.62	3	3,926.84	3	3,583.06	3	3,239.29
1/4		1/4		1/4		1/4		1/4	4,901.40	1/4	4,606.89	1/4	4,263.46	1/4	3,919.68	1/4	3,575.90	1/4	3,232.13
1/2		1/2		1/2		1/2		1/2	4,899.54	1/2	4,599.75	1/2	4,256.30	1/2	3,912.52	1/2	3,568.74	1/2	3,224.97
3/4		3/4		3/4		3/4		3/4	4,896.61	3/4	4,592.61	3/4	4,249.14	3/4	3,905.36	3/4	3,561.58	3/4	3,217.81
4		4		4		4		4	4,893.69	4	4,585.47	4	4,241.97	4	3,898.19	4	3,554.42	4	3,210.64
1/4		1/4		1/4		1/4		1/4	4,890.76	1/4	4,578.32	1/4	4,234.81	1/4	3,891.03	1/4	3,547.26	1/4	3,203.48
1/2		1/2		1/2		1/2		1/2	4,887.83	1/2	4,571.18	1/2	4,227.65	1/2	3,883.87	1/2	3,540.10	1/2	3,196.32
3/4		3/4		3/4		3/4		3/4	4,883.84	3/4	4,564.04	3/4	4,220.49	3/4	3,876.71	3/4	3,532.94	3/4	3,189.16
5		5		5		5		5	4,879.85	5	4,556.90	5	4,213.32	5	3,869.54	5	3,525.77	5	3,182.00
1/4		1/4		1/4		1/4		1/4	4,875.85	1/4	4,549.76	1/4	4,206.16	1/4	3,862.38	1/4	3,518.61	1/4	3,174.83
1/2		1/2		1/2		1/2		1/2	4,871.86	1/2	4,542.62	1/2	4,199.00	1/2	3,855.22	1/2	3,511.45	1/2	3,167.67
3/4		3/4		3/4		3/4		3/4	4,866.80	3/4	4,535.48	3/4	4,191.84	3/4	3,848.06	3/4	3,504.29	3/4	3,160.51
6		6		6		6		6	4,861.74	6	4,528.34	6	4,184.67	6	3,840.90	6	3,497.12	6	3,153.35
1/4		1/4		1/4		1/4		1/4	4,856.68	1/4	4,521.19	1/4	4,177.51	1/4	3,833.74	1/4	3,489.96	1/4	3,146.18
1/2		1/2		1/2		1/2		1/2	4,851.62	1/2	4,514.05	1/2	4,170.35	1/2	3,826.58	1/2	3,482.80	1/2	3,139.02
3/4		3/4		3/4		3/4		3/4	4,845.52	3/4	4,506.91	3/4	4,163.19	3/4	3,819.42	3/4	3,475.64	3/4	3,131.86
7		7		7		7		7	4,839.42	7	4,499.77	7	4,156.02	7	3,812.25	7	3,468.47	7	3,124.70
1/4		1/4		1/4		1/4		1/4	4,833.32	1/4	4,492.62	1/4	4,148.86	1/4	3,805.09	1/4	3,461.31	1/4	3,117.54
1/2		1/2		1/2		1/2		1/2	4,827.22	1/2	4,485.48	1/2	4,141.70	1/2	3,797.93	1/2	3,454.15	1/2	3,110.38
3/4		3/4		3/4		3/4		3/4	4,820.35	3/4	4,478.32	3/4	4,134.54	3/4	3,790.77	3/4	3,446.99	3/4	3,103.22
8		8		8		8		8	4,813.48	8	4,471.16	8	4,127.38	8	3,783.60	8	3,439.82	8	3,096.06
1/4		1/4		1/4		1/4		1/4	4,806.60	1/4	4,463.99	1/4	4,120.22	1/4	3,776.44	1/4	3,432.66	1/4	3,088.89
1/2		1/2		1/2		1/2		1/2	4,799.73	1/2	4,456.83	1/2	4,113.06	1/2	3,769.28	1/2	3,425.50	1/2	3,081.73
3/4		3/4		3/4		3/4		3/4	4,792.59	3/4	4,449.67	3/4	4,105.90	3/4	3,762.12	3/4	3,418.34	3/4	3,074.57
9		9		9		9		9	4,785.45	9	4,442.50	9	4,098.73	9	3,754.95	9	3,411.18	9	3,067.41
1/4		1/4		1/4		1/4		1/4	4,778.30	1/4	4,435.34	1/4	4,091.57	1/4	3,747.79	1/4	3,404.02	1/4	3,060.24
1/2		1/2		1/2		1/2		1/2	4,771.16	1/2	4,428.18	1/2	4,084.41	1/2	3,740.63	1/2	3,396.86	1/2	3,053.08
3/4		3/4		3/4		3/4		3/4	4,764.02	3/4	4,421.02	3/4	4,077.25	3/4	3,733.47	3/4	3,389.70	3/4	3,045.92
10		10		10		10		10	4,756.88	10	4,413.86	10	4,070.08	10	3,726.30	10	3,382.53	10	3,038.76
1/4		1/4		1/4		1/4		1/4	4,749.73	1/4	4,406.70	1/4	4,062.92	1/4	3,719.14	1/4	3,375.37	1/4	3,031.59
1/2		1/2		1/2		1/2		1/2	4,742.59	1/2	4,399.54	1/2	4,055.76	1/2	3,711.98	1/2	3,368.21	1/2	3,024.43
3/4		3/4		3/4		3/4		3/4	4,735.45	3/4	4,392.38	3/4	4,048.60	3/4	3,704.82	3/4	3,361.05	3/4	3,017.27
11		11		11		11		11	4,728.31	11	4,385.21	11	4,041.43	11	3,697.66	11	3,353.88	11	3,010.11
1/4		1/4		1/4		1/4		1/4	4,721.16	1/4	4,378.05	1/4	4,034.27	1/4	3,690.50	1/4	3,346.72	1/4	3,002.94
1/2		1/2		1/2		1/2		1/2	4,714.02	1/2	4,370.89	1/2	4,027.11	1/2	3,683.34	1/2	3,339.56	1/2	2,995.78
3/4		3/4		3/4		3/4		3/4	4,706.88	3/4	4,363.73	3/4	4,019.95	3/4	3,676.18	3/4	3,332.40	3/4	2,988.62

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" DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 3'-00" OFF CENTERLINE AND 1'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "LACB-115"

2 PORT

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 29216"

GAUGE HEIGHT 18'-09 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,981.46	0	2,637.69	0	2,293.91	0	1,950.14	0	1,606.36	0	1,262.58	0	918.81	0	575.03	0	231.26	0	
1/4	2,974.30	1/4	2,630.52	1/4	2,286.74	1/4	1,942.97	1/4	1,599.19	1/4	1,255.42	1/4	911.64	1/4	567.86	1/4	224.09	1/4	
1/2	2,967.14	1/2	2,623.36	1/2	2,279.58	1/2	1,935.81	1/2	1,592.03	1/2	1,248.26	1/2	904.48	1/2	560.70	1/2	216.93	1/2	
3/4	2,959.98	3/4	2,616.20	3/4	2,272.42	3/4	1,928.65	3/4	1,584.87	3/4	1,241.10	3/4	897.32	3/4	553.54	3/4	209.77	3/4	
1	2,952.82	1	2,609.04	1	2,265.26	1	1,921.49	1	1,577.71	1	1,233.94	1	890.16	1	546.38	1	202.61	1	
1/4	2,945.65	1/4	2,601.87	1/4	2,258.10	1/4	1,914.32	1/4	1,570.54	1/4	1,226.77	1/4	882.99	1/4	539.22	1/4	195.44	1/4	
1/2	2,938.49	1/2	2,594.71	1/2	2,250.94	1/2	1,907.16	1/2	1,563.38	1/2	1,219.61	1/2	875.83	1/2	532.06	1/2	188.28	1/2	
3/4	2,931.33	3/4	2,587.55	3/4	2,243.78	3/4	1,900.00	3/4	1,556.22	3/4	1,212.45	3/4	868.67	3/4	524.90	3/4	181.23	3/4	
2	2,924.17	2	2,580.39	2	2,236.62	2	1,892.84	2	1,549.06	2	1,205.29	2	861.51	2	517.74	2	174.19	2	
1/4	2,917.00	1/4	2,573.22	1/4	2,229.45	1/4	1,885.67	1/4	1,541.90	1/4	1,198.12	1/4	854.34	1/4	510.57	1/4	167.14	1/4	
1/2	2,909.84	1/2	2,566.06	1/2	2,222.29	1/2	1,878.51	1/2	1,534.74	1/2	1,190.96	1/2	847.18	1/2	503.41	1/2	160.09	1/2	
3/4	2,902.68	3/4	2,558.90	3/4	2,215.13	3/4	1,871.35	3/4	1,527.58	3/4	1,183.80	3/4	840.02	3/4	496.25	3/4	153.16	3/4	
3	2,895.52	3	2,551.74	3	2,207.97	3	1,864.19	3	1,520.42	3	1,176.64	3	832.86	3	489.09	3	146.22	3	
1/4	2,888.35	1/4	2,544.58	1/4	2,200.80	1/4	1,857.02	1/4	1,513.25	1/4	1,169.47	1/4	825.70	1/4	481.92	1/4	139.29	1/4	
1/2	2,881.19	1/2	2,537.42	1/2	2,193.64	1/2	1,849.86	1/2	1,506.09	1/2	1,162.31	1/2	818.54	1/2	474.76	1/2	132.35	1/2	
3/4	2,874.03	3/4	2,530.26	3/4	2,186.48	3/4	1,842.70	3/4	1,498.93	3/4	1,155.15	3/4	811.38	3/4	467.60	3/4	125.42	3/4	
4	2,866.87	4	2,523.10	4	2,179.32	4	1,835.54	4	1,491.77	4	1,147.99	4	804.22	4	460.44	4	118.49	4	
1/4	2,859.70	1/4	2,515.93	1/4	2,172.15	1/4	1,828.38	1/4	1,484.60	1/4	1,140.82	1/4	797.05	1/4	453.27	1/4	111.55	1/4	
1/2	2,852.54	1/2	2,508.77	1/2	2,164.99	1/2	1,821.22	1/2	1,477.44	1/2	1,133.66	1/2	789.89	1/2	446.11	1/2	104.62	1/2	
3/4	2,845.38	3/4	2,501.61	3/4	2,157.83	3/4	1,814.06	3/4	1,470.28	3/4	1,126.50	3/4	782.73	3/4	438.95	3/4	97.69	3/4	
5	2,838.22	5	2,494.45	5	2,150.67	5	1,806.90	5	1,463.12	5	1,119.34	5	775.57	5	431.79	5	90.75	5	
1/4	2,831.06	1/4	2,487.28	1/4	2,143.50	1/4	1,799.73	1/4	1,455.95	1/4	1,112.18	1/4	768.40	1/4	424.62	1/4	83.82	1/4	
1/2	2,823.90	1/2	2,480.12	1/2	2,136.34	1/2	1,792.57	1/2	1,448.79	1/2	1,105.02	1/2	761.24	1/2	417.46	1/2	76.88	1/2	
3/4	2,816.74	3/4	2,472.96	3/4	2,129.18	3/4	1,785.41	3/4	1,441.63	3/4	1,097.86	3/4	754.08	3/4	410.30	3/4	69.95	3/4	
6	2,809.58	6	2,465.80	6	2,122.02	6	1,778.25	6	1,434.47	6	1,090.70	6	746.92	6	403.14	6	63.01	6	
1/4	2,802.41	1/4	2,458.63	1/4	2,114.86	1/4	1,771.08	1/4	1,427.30	1/4	1,083.53	1/4	739.75	1/4	395.98	1/4	56.08	1/4	
1/2	2,795.25	1/2	2,451.47	1/2	2,107.70	1/2	1,763.92	1/2	1,420.14	1/2	1,076.37	1/2	732.59	1/2	388.82	1/2	49.14	1/2	
3/4	2,788.09	3/4	2,444.31	3/4	2,100.54	3/4	1,756.76	3/4	1,412.98	3/4	1,069.21	3/4	725.43	3/4	381.66	3/4	43.48	3/4	
7	2,780.93	7	2,437.15	7	2,093.38	7	1,749.60	7	1,405.82	7	1,062.05	7	718.27	7	374.50	7	37.81	7	
1/4	2,773.76	1/4	2,429.98	1/4	2,086.21	1/4	1,742.43	1/4	1,398.66	1/4	1,054.88	1/4	711.10	1/4	367.33	1/4	32.15	1/4	
1/2	2,766.60	1/2	2,422.82	1/2	2,079.05	1/2	1,735.27	1/2	1,391.50	1/2	1,047.72	1/2	703.94	1/2	360.17	1/2	26.48	1/2	
3/4	2,759.44	3/4	2,415.66	3/4	2,071.89	3/4	1,728.11	3/4	1,384.34	3/4	1,040.56	3/4	696.78	3/4	353.01	3/4	22.50	3/4	
8	2,752.28	8	2,408.50	8	2,064.73	8	1,720.95	8	1,377.18	8	1,033.40	8	689.62	8	345.85	8	18.51	8	
1/4	2,745.11	1/4	2,401.34	1/4	2,057.56	1/4	1,713.78	1/4	1,370.01	1/4	1,026.23	1/4	682.46	1/4	338.68	1/4	14.53	1/4	
1/2	2,737.95	1/2	2,394.18	1/2	2,050.40	1/2	1,706.62	1/2	1,362.85	1/2	1,019.07	1/2	675.30	1/2	331.52	1/2	10.54	1/2	
3/4	2,730.79	3/4	2,387.02	3/4	2,043.24	3/4	1,699.46	3/4	1,355.69	3/4	1,011.91	3/4	668.14	3/4	324.36	3/4	8.49	3/4	
9	2,723.63	9	2,379.86	9	2,036.08	9	1,692.30	9	1,348.53	9	1,004.75	9	660.98	9	317.20	9	6.44	9	
1/4	2,716.46	1/4	2,372.69	1/4	2,028.91	1/4	1,685.14	1/4	1,341.36	1/4	997.58	1/4	653.81	1/4	310.03	1/4	4.38	1/4	
1/2	2,709.30	1/2	2,365.53	1/2	2,021.75	1/2	1,677.98	1/2	1,334.20	1/2	990.42	1/2	646.65	1/2	302.87	1/2	2.33	1/2	
3/4	2,702.14	3/4	2,358.37	3/4	2,014.59	3/4	1,670.82	3/4	1,327.04	3/4	983.26	3/4	639.49	3/4	295.71	3/4		3/4	
10	2,694.98	10	2,351.21	10	2,007.43	10	1,663.66	10	1,319.88	10	976.10	10	632.33	10	288.55	10		10	
1/4	2,687.82	1/4	2,344.04	1/4	2,000.26	1/4	1,656.49	1/4	1,312.71	1/4	968.94	1/4	625.16	1/4	281.38	1/4		1/4	
1/2	2,680.66	1/2	2,336.88	1/2	1,993.10	1/2	1,649.33	1/2	1,305.55	1/2	961.78	1/2	618.00	1/2	274.22	1/2		1/2	
3/4	2,673.50	3/4	2,329.72	3/4	1,985.94	3/4	1,642.17	3/4	1,298.39	3/4	954.62	3/4	610.84	3/4	267.06	3/4		3/4	
11	2,666.34	11	2,322.56	11	1,978.78	11	1,635.01	11	1,291.23	11	947.46	11	603.68	11	259.90	11		11	
1/4	2,659.17	1/4	2,315.39	1/4	1,971.62	1/4	1,627.84	1/4	1,284.06	1/4	940.29	1/4	596.51	1/4	252.74	1/4		1/4	
1/2	2,652.01	1/2	2,308.23	1/2	1,964.46	1/2	1,620.68	1/2	1,276.90	1/2	933.13	1/2	589.35	1/2	245.58	1/2		1/2	
3/4	2,644.85	3/4	2,301.07	3/4	1,957.30	3/4	1,613.52	3/4	1,269.74	3/4	925.97	3/4	582.19	3/4	238.42	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/14/2005 INSP
RECALCULATED: 06/08/2020 PMA
NAME CHANGE: 08/23/2023 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

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



BARGE "LACB-115"

2 STBD

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 29216"

GAUGE HEIGHT 18'-09 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0		0	4,699.74	0	4,356.56	0	4,012.78	0	3,669.01	0	3,325.23
1/4		1/4		1/4		1/4		1/4		1/4	4,692.60	1/4	4,349.40	1/4	4,005.62	1/4	3,661.85	1/4	3,318.07
1/2		1/2		1/2		1/2		1/2		1/2	4,685.46	1/2	4,342.24	1/2	3,998.46	1/2	3,654.69	1/2	3,310.91
3/4		3/4		3/4		3/4		3/4		3/4	4,678.32	3/4	4,335.08	3/4	3,991.30	3/4	3,647.53	3/4	3,303.75
1		1		1		1		1		1	4,671.18	1	4,327.91	1	3,984.14	1	3,640.36	1	3,296.58
1/4		1/4		1/4		1/4		1/4	4,910.83	1/4	4,664.03	1/4	4,320.75	1/4	3,976.98	1/4	3,633.20	1/4	3,289.42
1/2		1/2		1/2		1/2		1/2	4,910.43	1/2	4,656.89	1/2	4,313.59	1/2	3,969.82	1/2	3,626.04	1/2	3,282.26
3/4		3/4		3/4		3/4		3/4	4,909.57	3/4	4,649.75	3/4	4,306.43	3/4	3,962.66	3/4	3,618.88	3/4	3,275.10
2		2		2		2		2	4,908.71	2	4,642.61	2	4,299.26	2	3,955.49	2	3,611.71	2	3,267.94
1/4		1/4		1/4		1/4		1/4	4,907.84	1/4	4,635.46	1/4	4,292.10	1/4	3,948.33	1/4	3,604.55	1/4	3,260.78
1/2		1/2		1/2		1/2		1/2	4,906.98	1/2	4,628.32	1/2	4,284.94	1/2	3,941.17	1/2	3,597.39	1/2	3,253.62
3/4		3/4		3/4		3/4		3/4	4,905.12	3/4	4,621.18	3/4	4,277.78	3/4	3,934.01	3/4	3,590.23	3/4	3,246.46
3		3		3		3		3	4,903.26	3	4,614.04	3	4,270.62	3	3,926.84	3	3,583.06	3	3,239.29
1/4		1/4		1/4		1/4		1/4	4,901.40	1/4	4,606.89	1/4	4,263.46	1/4	3,919.68	1/4	3,575.90	1/4	3,232.13
1/2		1/2		1/2		1/2		1/2	4,899.54	1/2	4,599.75	1/2	4,256.30	1/2	3,912.52	1/2	3,568.74	1/2	3,224.97
3/4		3/4		3/4		3/4		3/4	4,896.61	3/4	4,592.61	3/4	4,249.14	3/4	3,905.36	3/4	3,561.58	3/4	3,217.81
4		4		4		4		4	4,893.69	4	4,585.47	4	4,241.97	4	3,898.19	4	3,554.42	4	3,210.64
1/4		1/4		1/4		1/4		1/4	4,890.76	1/4	4,578.32	1/4	4,234.81	1/4	3,891.03	1/4	3,547.26	1/4	3,203.48
1/2		1/2		1/2		1/2		1/2	4,887.83	1/2	4,571.18	1/2	4,227.65	1/2	3,883.87	1/2	3,540.10	1/2	3,196.32
3/4		3/4		3/4		3/4		3/4	4,883.84	3/4	4,564.04	3/4	4,220.49	3/4	3,876.71	3/4	3,532.94	3/4	3,189.16
5		5		5		5		5	4,879.85	5	4,556.90	5	4,213.32	5	3,869.54	5	3,525.77	5	3,182.00
1/4		1/4		1/4		1/4		1/4	4,875.85	1/4	4,549.76	1/4	4,206.16	1/4	3,862.38	1/4	3,518.61	1/4	3,174.83
1/2		1/2		1/2		1/2		1/2	4,871.86	1/2	4,542.62	1/2	4,199.00	1/2	3,855.22	1/2	3,511.45	1/2	3,167.67
3/4		3/4		3/4		3/4		3/4	4,866.80	3/4	4,535.48	3/4	4,191.84	3/4	3,848.06	3/4	3,504.29	3/4	3,160.51
6		6		6		6		6	4,861.74	6	4,528.34	6	4,184.67	6	3,840.90	6	3,497.12	6	3,153.35
1/4		1/4		1/4		1/4		1/4	4,856.68	1/4	4,521.19	1/4	4,177.51	1/4	3,833.74	1/4	3,489.96	1/4	3,146.18
1/2		1/2		1/2		1/2		1/2	4,851.62	1/2	4,514.05	1/2	4,170.35	1/2	3,826.58	1/2	3,482.80	1/2	3,139.02
3/4		3/4		3/4		3/4		3/4	4,845.52	3/4	4,506.91	3/4	4,163.19	3/4	3,819.42	3/4	3,475.64	3/4	3,131.86
7		7		7		7		7	4,839.42	7	4,499.77	7	4,156.02	7	3,812.25	7	3,468.47	7	3,124.70
1/4		1/4		1/4		1/4		1/4	4,833.32	1/4	4,492.62	1/4	4,148.86	1/4	3,805.09	1/4	3,461.31	1/4	3,117.54
1/2		1/2		1/2		1/2		1/2	4,827.22	1/2	4,485.48	1/2	4,141.70	1/2	3,797.93	1/2	3,454.15	1/2	3,110.38
3/4		3/4		3/4		3/4		3/4	4,820.35	3/4	4,478.32	3/4	4,134.54	3/4	3,790.77	3/4	3,446.99	3/4	3,103.22
8		8		8		8		8	4,813.48	8	4,471.16	8	4,127.38	8	3,783.60	8	3,439.82	8	3,096.06
1/4		1/4		1/4		1/4		1/4	4,806.60	1/4	4,463.99	1/4	4,120.22	1/4	3,776.44	1/4	3,432.66	1/4	3,088.89
1/2		1/2		1/2		1/2		1/2	4,799.73	1/2	4,456.83	1/2	4,113.06	1/2	3,769.28	1/2	3,425.50	1/2	3,081.73
3/4		3/4		3/4		3/4		3/4	4,792.59	3/4	4,449.67	3/4	4,105.90	3/4	3,762.12	3/4	3,418.34	3/4	3,074.57
9		9		9		9		9	4,785.45	9	4,442.50	9	4,098.73	9	3,754.95	9	3,411.18	9	3,067.41
1/4		1/4		1/4		1/4		1/4	4,778.30	1/4	4,435.34	1/4	4,091.57	1/4	3,747.79	1/4	3,404.02	1/4	3,060.24
1/2		1/2		1/2		1/2		1/2	4,771.16	1/2	4,428.18	1/2	4,084.41	1/2	3,740.63	1/2	3,396.86	1/2	3,053.08
3/4		3/4		3/4		3/4		3/4	4,764.02	3/4	4,421.02	3/4	4,077.25	3/4	3,733.47	3/4	3,389.70	3/4	3,045.92
10		10		10		10		10	4,756.88	10	4,413.86	10	4,070.08	10	3,726.30	10	3,382.53	10	3,038.76
1/4		1/4		1/4		1/4		1/4	4,749.73	1/4	4,406.70	1/4	4,062.92	1/4	3,719.14	1/4	3,375.37	1/4	3,031.59
1/2		1/2		1/2		1/2		1/2	4,742.59	1/2	4,399.54	1/2	4,055.76	1/2	3,711.98	1/2	3,368.21	1/2	3,024.43
3/4		3/4		3/4		3/4		3/4	4,735.45	3/4	4,392.38	3/4	4,048.60	3/4	3,704.82	3/4	3,361.05	3/4	3,017.27
11		11		11		11		11	4,728.31	11	4,385.21	11	4,041.43	11	3,697.66	11	3,353.88	11	3,010.11
1/4		1/4		1/4		1/4		1/4	4,721.16	1/4	4,378.05	1/4	4,034.27	1/4	3,690.50	1/4	3,346.72	1/4	3,002.94
1/2		1/2		1/2		1/2		1/2	4,714.02	1/2	4,370.89	1/2	4,027.11	1/2	3,683.34	1/2	3,339.56	1/2	2,995.78
3/4		3/4		3/4		3/4		3/4	4,706.88	3/4	4,363.73	3/4	4,019.95	3/4	3,676.18	3/4	3,332.40	3/4	2,988.62

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" DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 3'-00" OFF CENTERLINE AND 1'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "LACB-115"

2 STBD

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 29216"

GAUGE HEIGHT 18'-09 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,981.46	0	2,637.69	0	2,293.91	0	1,950.14	0	1,606.36	0	1,262.58	0	918.81	0	575.03	0	231.26	0	
1/4	2,974.30	1/4	2,630.52	1/4	2,286.74	1/4	1,942.97	1/4	1,599.19	1/4	1,255.42	1/4	911.64	1/4	567.86	1/4	224.09	1/4	
1/2	2,967.14	1/2	2,623.36	1/2	2,279.58	1/2	1,935.81	1/2	1,592.03	1/2	1,248.26	1/2	904.48	1/2	560.70	1/2	216.93	1/2	
3/4	2,959.98	3/4	2,616.20	3/4	2,272.42	3/4	1,928.65	3/4	1,584.87	3/4	1,241.10	3/4	897.32	3/4	553.54	3/4	209.77	3/4	
1	2,952.82	1	2,609.04	1	2,265.26	1	1,921.49	1	1,577.71	1	1,233.94	1	890.16	1	546.38	1	202.61	1	
1/4	2,945.65	1/4	2,601.87	1/4	2,258.10	1/4	1,914.32	1/4	1,570.54	1/4	1,226.77	1/4	882.99	1/4	539.22	1/4	195.44	1/4	
1/2	2,938.49	1/2	2,594.71	1/2	2,250.94	1/2	1,907.16	1/2	1,563.38	1/2	1,219.61	1/2	875.83	1/2	532.06	1/2	188.28	1/2	
3/4	2,931.33	3/4	2,587.55	3/4	2,243.78	3/4	1,900.00	3/4	1,556.22	3/4	1,212.45	3/4	868.67	3/4	524.90	3/4	181.23	3/4	
2	2,924.17	2	2,580.39	2	2,236.62	2	1,892.84	2	1,549.06	2	1,205.29	2	861.51	2	517.74	2	174.19	2	
1/4	2,917.00	1/4	2,573.22	1/4	2,229.45	1/4	1,885.67	1/4	1,541.90	1/4	1,198.12	1/4	854.34	1/4	510.57	1/4	167.14	1/4	
1/2	2,909.84	1/2	2,566.06	1/2	2,222.29	1/2	1,878.51	1/2	1,534.74	1/2	1,190.96	1/2	847.18	1/2	503.41	1/2	160.09	1/2	
3/4	2,902.68	3/4	2,558.90	3/4	2,215.13	3/4	1,871.35	3/4	1,527.58	3/4	1,183.80	3/4	840.02	3/4	496.25	3/4	153.16	3/4	
3	2,895.52	3	2,551.74	3	2,207.97	3	1,864.19	3	1,520.42	3	1,176.64	3	832.86	3	489.09	3	146.22	3	
1/4	2,888.35	1/4	2,544.58	1/4	2,200.80	1/4	1,857.02	1/4	1,513.25	1/4	1,169.47	1/4	825.70	1/4	481.92	1/4	139.29	1/4	
1/2	2,881.19	1/2	2,537.42	1/2	2,193.64	1/2	1,849.86	1/2	1,506.09	1/2	1,162.31	1/2	818.54	1/2	474.76	1/2	132.35	1/2	
3/4	2,874.03	3/4	2,530.26	3/4	2,186.48	3/4	1,842.70	3/4	1,498.93	3/4	1,155.15	3/4	811.38	3/4	467.60	3/4	125.42	3/4	
4	2,866.87	4	2,523.10	4	2,179.32	4	1,835.54	4	1,491.77	4	1,147.99	4	804.22	4	460.44	4	118.49	4	
1/4	2,859.70	1/4	2,515.93	1/4	2,172.15	1/4	1,828.38	1/4	1,484.60	1/4	1,140.82	1/4	797.05	1/4	453.27	1/4	111.55	1/4	
1/2	2,852.54	1/2	2,508.77	1/2	2,164.99	1/2	1,821.22	1/2	1,477.44	1/2	1,133.66	1/2	789.89	1/2	446.11	1/2	104.62	1/2	
3/4	2,845.38	3/4	2,501.61	3/4	2,157.83	3/4	1,814.06	3/4	1,470.28	3/4	1,126.50	3/4	782.73	3/4	438.95	3/4	97.69	3/4	
5	2,838.22	5	2,494.45	5	2,150.67	5	1,806.90	5	1,463.12	5	1,119.34	5	775.57	5	431.79	5	90.75	5	
1/4	2,831.06	1/4	2,487.28	1/4	2,143.50	1/4	1,799.73	1/4	1,455.95	1/4	1,112.18	1/4	768.40	1/4	424.62	1/4	83.82	1/4	
1/2	2,823.90	1/2	2,480.12	1/2	2,136.34	1/2	1,792.57	1/2	1,448.79	1/2	1,105.02	1/2	761.24	1/2	417.46	1/2	76.88	1/2	
3/4	2,816.74	3/4	2,472.96	3/4	2,129.18	3/4	1,785.41	3/4	1,441.63	3/4	1,097.86	3/4	754.08	3/4	410.30	3/4	69.95	3/4	
6	2,809.58	6	2,465.80	6	2,122.02	6	1,778.25	6	1,434.47	6	1,090.70	6	746.92	6	403.14	6	63.01	6	
1/4	2,802.41	1/4	2,458.63	1/4	2,114.86	1/4	1,771.08	1/4	1,427.30	1/4	1,083.53	1/4	739.75	1/4	395.98	1/4	56.08	1/4	
1/2	2,795.25	1/2	2,451.47	1/2	2,107.70	1/2	1,763.92	1/2	1,420.14	1/2	1,076.37	1/2	732.59	1/2	388.82	1/2	49.14	1/2	
3/4	2,788.09	3/4	2,444.31	3/4	2,100.54	3/4	1,756.76	3/4	1,412.98	3/4	1,069.21	3/4	725.43	3/4	381.66	3/4	43.48	3/4	
7	2,780.93	7	2,437.15	7	2,093.38	7	1,749.60	7	1,405.82	7	1,062.05	7	718.27	7	374.50	7	37.81	7	
1/4	2,773.76	1/4	2,429.98	1/4	2,086.21	1/4	1,742.43	1/4	1,398.66	1/4	1,054.88	1/4	711.10	1/4	367.33	1/4	32.15	1/4	
1/2	2,766.60	1/2	2,422.82	1/2	2,079.05	1/2	1,735.27	1/2	1,391.50	1/2	1,047.72	1/2	703.94	1/2	360.17	1/2	26.48	1/2	
3/4	2,759.44	3/4	2,415.66	3/4	2,071.89	3/4	1,728.11	3/4	1,384.34	3/4	1,040.56	3/4	696.78	3/4	353.01	3/4	22.50	3/4	
8	2,752.28	8	2,408.50	8	2,064.73	8	1,720.95	8	1,377.18	8	1,033.40	8	689.62	8	345.85	8	18.51	8	
1/4	2,745.11	1/4	2,401.34	1/4	2,057.56	1/4	1,713.78	1/4	1,370.01	1/4	1,026.23	1/4	682.46	1/4	338.68	1/4	14.53	1/4	
1/2	2,737.95	1/2	2,394.18	1/2	2,050.40	1/2	1,706.62	1/2	1,362.85	1/2	1,019.07	1/2	675.30	1/2	331.52	1/2	10.54	1/2	
3/4	2,730.79	3/4	2,387.02	3/4	2,043.24	3/4	1,699.46	3/4	1,355.69	3/4	1,011.91	3/4	668.14	3/4	324.36	3/4	8.49	3/4	
9	2,723.63	9	2,379.86	9	2,036.08	9	1,692.30	9	1,348.53	9	1,004.75	9	660.98	9	317.20	9	6.44	9	
1/4	2,716.46	1/4	2,372.69	1/4	2,028.91	1/4	1,685.14	1/4	1,341.36	1/4	997.58	1/4	653.81	1/4	310.03	1/4	4.38	1/4	
1/2	2,709.30	1/2	2,365.53	1/2	2,021.75	1/2	1,677.98	1/2	1,334.20	1/2	990.42	1/2	646.65	1/2	302.87	1/2	2.33	1/2	
3/4	2,702.14	3/4	2,358.37	3/4	2,014.59	3/4	1,670.82	3/4	1,327.04	3/4	983.26	3/4	639.49	3/4	295.71	3/4		3/4	
10	2,694.98	10	2,351.21	10	2,007.43	10	1,663.66	10	1,319.88	10	976.10	10	632.33	10	288.55	10		10	
1/4	2,687.82	1/4	2,344.04	1/4	2,000.26	1/4	1,656.49	1/4	1,312.71	1/4	968.94	1/4	625.16	1/4	281.38	1/4		1/4	
1/2	2,680.66	1/2	2,336.88	1/2	1,993.10	1/2	1,649.33	1/2	1,305.55	1/2	961.78	1/2	618.00	1/2	274.22	1/2		1/2	
3/4	2,673.50	3/4	2,329.72	3/4	1,985.94	3/4	1,642.17	3/4	1,298.39	3/4	954.62	3/4	610.84	3/4	267.06	3/4		3/4	
11	2,666.34	11	2,322.56	11	1,978.78	11	1,635.01	11	1,291.23	11	947.46	11	603.68	11	259.90	11		11	
1/4	2,659.17	1/4	2,315.39	1/4	1,971.62	1/4	1,627.84	1/4	1,284.06	1/4	940.29	1/4	596.51	1/4	252.74	1/4		1/4	
1/2	2,652.01	1/2	2,308.23	1/2	1,964.46	1/2	1,620.68	1/2	1,276.90	1/2	933.13	1/2	589.35	1/2	245.58	1/2		1/2	
3/4	2,644.85	3/4	2,301.07	3/4	1,957.30	3/4	1,613.52	3/4	1,269.74	3/4	925.97	3/4	582.19	3/4	238.42	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/14/2005 INSP
RECALCULATED: 06/08/2020 PMA
NAME CHANGE: 08/23/2023 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

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



BARGE "LACB-115"

3 PORT
ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 29216"

GAUGE HEIGHT 18'-09 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0		0	4,550.67	0	4,297.24	0	4,043.99	0	3,790.75	0	3,523.21
1/4		1/4		1/4		1/4		1/4		1/4	4,545.31	1/4	4,291.97	1/4	4,038.72	1/4	3,785.47	1/4	3,516.38
1/2		1/2		1/2		1/2		1/2		1/2	4,539.94	1/2	4,286.69	1/2	4,033.44	1/2	3,780.19	1/2	3,509.55
3/4		3/4		3/4		3/4		3/4		3/4	4,534.66	3/4	4,281.41	3/4	4,028.17	3/4	3,774.92	3/4	3,502.37
1		1		1		1		1		1	4,529.39	1	4,276.14	1	4,022.89	1	3,769.64	1	3,495.20
1/4		1/4		1/4		1/4		1/4	4,706.08	1/4	4,524.11	1/4	4,270.86	1/4	4,017.62	1/4	3,764.37	1/4	3,488.02
1/2		1/2		1/2		1/2		1/2	4,705.79	1/2	4,518.83	1/2	4,265.58	1/2	4,012.34	1/2	3,759.09	1/2	3,480.84
3/4		3/4		3/4		3/4		3/4	4,705.16	3/4	4,513.56	3/4	4,260.31	3/4	4,007.06	3/4	3,753.81	3/4	3,473.36
2		2		2		2		2	4,704.53	2	4,508.28	2	4,255.03	2	4,001.79	2	3,748.53	2	3,465.89
1/4		1/4		1/4		1/4		1/4	4,703.89	1/4	4,503.01	1/4	4,249.76	1/4	3,996.51	1/4	3,743.25	1/4	3,458.41
1/2		1/2		1/2		1/2		1/2	4,703.26	1/2	4,497.73	1/2	4,244.48	1/2	3,991.23	1/2	3,737.97	1/2	3,450.93
3/4		3/4		3/4		3/4		3/4	4,701.90	3/4	4,492.45	3/4	4,239.21	3/4	3,985.96	3/4	3,732.70	3/4	3,443.33
3		3		3		3		3	4,700.53	3	4,487.18	3	4,233.93	3	3,980.68	3	3,727.42	3	3,435.73
1/4		1/4		1/4		1/4		1/4	4,699.17	1/4	4,481.90	1/4	4,228.66	1/4	3,975.41	1/4	3,722.15	1/4	3,428.13
1/2		1/2		1/2		1/2		1/2	4,697.80	1/2	4,476.62	1/2	4,223.38	1/2	3,970.13	1/2	3,716.88	1/2	3,420.53
3/4		3/4		3/4		3/4		3/4	4,695.65	3/4	4,471.35	3/4	4,218.10	3/4	3,964.85	3/4	3,711.61	3/4	3,412.93
4		4		4		4		4	4,693.50	4	4,466.07	4	4,212.83	4	3,959.58	4	3,706.33	4	3,405.33
1/4		1/4		1/4		1/4		1/4	4,691.35	1/4	4,460.80	1/4	4,207.55	1/4	3,954.30	1/4	3,701.06	1/4	3,397.73
1/2		1/2		1/2		1/2		1/2	4,689.20	1/2	4,455.52	1/2	4,202.27	1/2	3,949.02	1/2	3,695.78	1/2	3,390.13
3/4		3/4		3/4		3/4		3/4	4,686.27	3/4	4,450.25	3/4	4,197.00	3/4	3,943.75	3/4	3,690.50	3/4	3,382.53
5		5		5		5		5	4,683.35	5	4,444.97	5	4,191.72	5	3,938.47	5	3,685.23	5	3,374.93
1/4		1/4		1/4		1/4		1/4	4,680.42	1/4	4,439.70	1/4	4,186.45	1/4	3,933.20	1/4	3,679.95	1/4	3,367.33
1/2		1/2		1/2		1/2		1/2	4,677.49	1/2	4,434.42	1/2	4,181.17	1/2	3,927.92	1/2	3,674.67	1/2	3,359.73
3/4		3/4		3/4		3/4		3/4	4,673.78	3/4	4,429.14	3/4	4,175.89	3/4	3,922.65	3/4	3,669.40	3/4	3,352.13
6		6		6		6		6	4,670.07	6	4,423.87	6	4,170.62	6	3,917.37	6	3,664.12	6	3,344.53
1/4		1/4		1/4		1/4		1/4	4,666.35	1/4	4,418.59	1/4	4,165.34	1/4	3,912.10	1/4	3,658.85	1/4	3,336.93
1/2		1/2		1/2		1/2		1/2	4,662.64	1/2	4,413.31	1/2	4,160.06	1/2	3,906.82	1/2	3,653.57	1/2	3,329.33
3/4		3/4		3/4		3/4		3/4	4,658.15	3/4	4,408.04	3/4	4,154.79	3/4	3,901.54	3/4	3,648.29	3/4	3,321.73
7		7		7		7		7	4,653.66	7	4,402.76	7	4,149.51	7	3,896.27	7	3,643.02	7	3,314.13
1/4		1/4		1/4		1/4		1/4	4,649.16	1/4	4,397.49	1/4	4,144.24	1/4	3,890.99	1/4	3,637.74	1/4	3,306.53
1/2		1/2		1/2		1/2		1/2	4,644.67	1/2	4,392.21	1/2	4,138.96	1/2	3,885.71	1/2	3,632.46	1/2	3,298.93
3/4		3/4		3/4		3/4		3/4	4,639.59	3/4	4,386.93	3/4	4,133.69	3/4	3,880.44	3/4	3,626.98	3/4	3,291.33
8		8		8		8		8	4,634.51	8	4,381.66	8	4,128.41	8	3,875.16	8	3,621.50	8	3,283.73
1/4		1/4		1/4		1/4		1/4	4,629.43	1/4	4,376.38	1/4	4,123.14	1/4	3,869.89	1/4	3,616.02	1/4	3,276.13
1/2		1/2		1/2		1/2		1/2	4,624.35	1/2	4,371.10	1/2	4,117.86	1/2	3,864.61	1/2	3,610.54	1/2	3,268.53
3/4		3/4		3/4		3/4		3/4	4,619.08	3/4	4,365.83	3/4	4,112.58	3/4	3,859.33	3/4	3,604.75	3/4	3,260.93
9		9		9		9		9	4,613.80	9	4,360.55	9	4,107.31	9	3,854.06	9	3,598.96	9	3,253.33
1/4		1/4		1/4		1/4		1/4	4,608.53	1/4	4,355.28	1/4	4,102.03	1/4	3,848.78	1/4	3,593.16	1/4	3,245.73
1/2		1/2		1/2		1/2		1/2	4,603.25	1/2	4,350.00	1/2	4,096.75	1/2	3,843.50	1/2	3,587.37	1/2	3,238.13
3/4		3/4		3/4		3/4		3/4	4,597.97	3/4	4,344.73	3/4	4,091.48	3/4	3,838.23	3/4	3,581.23	3/4	3,230.53
10		10		10		10		10	4,592.70	10	4,339.45	10	4,086.20	10	3,832.95	10	3,575.09	10	3,222.93
1/4		1/4		1/4		1/4		1/4	4,587.42	1/4	4,334.18	1/4	4,080.93	1/4	3,827.68	1/4	3,568.95	1/4	3,215.33
1/2		1/2		1/2		1/2		1/2	4,582.14	1/2	4,328.90	1/2	4,075.65	1/2	3,822.40	1/2	3,562.81	1/2	3,207.73
3/4		3/4		3/4		3/4		3/4	4,576.96	3/4	4,323.62	3/4	4,070.37	3/4	3,817.13	3/4	3,556.33	3/4	3,200.13
11		11		11		11		11	4,571.77	11	4,318.35	11	4,065.10	11	3,811.85	11	3,549.84	11	3,192.53
1/4		1/4		1/4		1/4		1/4	4,566.59	1/4	4,313.07	1/4	4,059.82	1/4	3,806.58	1/4	3,543.36	1/4	3,184.93
1/2		1/2		1/2		1/2		1/2	4,561.40	1/2	4,307.79	1/2	4,054.54	1/2	3,801.30	1/2	3,536.87	1/2	3,177.33
3/4		3/4		3/4		3/4		3/4	4,556.04	3/4	4,302.52	3/4	4,049.27	3/4	3,796.02	3/4	3,530.04	3/4	3,169.73

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" DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 3'-00" OFF CENTERLINE AND 86'-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 "LACB-115"

3 PORT

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 29216"

GAUGE HEIGHT 18'-09 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,162.13	0	2,797.33	0	2,432.53	0	2,067.73	0	1,702.93	0	1,338.13	0	973.61	0	610.18	0	245.48	0	
1/4	3,154.53	1/4	2,789.73	1/4	2,424.93	1/4	2,060.13	1/4	1,695.33	1/4	1,330.53	1/4	966.04	1/4	602.58	1/4	237.88	1/4	
1/2	3,146.93	1/2	2,782.13	1/2	2,417.33	1/2	2,052.53	1/2	1,687.73	1/2	1,322.93	1/2	958.47	1/2	594.98	1/2	230.28	1/2	
3/4	3,139.33	3/4	2,774.53	3/4	2,409.73	3/4	2,044.93	3/4	1,680.13	3/4	1,315.33	3/4	950.91	3/4	587.38	3/4	222.66	3/4	
1	3,131.73	1	2,766.93	1	2,402.13	1	2,037.33	1	1,672.53	1	1,307.73	1	943.34	1	579.79	1	215.04	1	
1/4	3,124.13	1/4	2,759.33	1/4	2,394.53	1/4	2,029.73	1/4	1,664.93	1/4	1,300.13	1/4	935.78	1/4	572.19	1/4	207.42	1/4	
1/2	3,116.53	1/2	2,751.74	1/2	2,386.93	1/2	2,022.13	1/2	1,657.33	1/2	1,292.53	1/2	928.21	1/2	564.59	1/2	199.80	1/2	
3/4	3,108.93	3/4	2,744.13	3/4	2,379.33	3/4	2,014.53	3/4	1,649.73	3/4	1,284.93	3/4	920.64	3/4	556.99	3/4	192.35	3/4	
2	3,101.33	2	2,736.53	2	2,371.73	2	2,006.93	2	1,642.13	2	1,277.33	2	913.08	2	549.40	2	184.89	2	
1/4	3,093.73	1/4	2,728.93	1/4	2,364.13	1/4	1,999.33	1/4	1,634.53	1/4	1,269.73	1/4	905.51	1/4	541.80	1/4	177.44	1/4	
1/2	3,086.13	1/2	2,721.33	1/2	2,356.53	1/2	1,991.73	1/2	1,626.93	1/2	1,262.13	1/2	897.94	1/2	534.20	1/2	169.98	1/2	
3/4	3,078.53	3/4	2,713.73	3/4	2,348.93	3/4	1,984.13	3/4	1,619.33	3/4	1,254.53	3/4	890.38	3/4	526.60	3/4	162.62	3/4	
3	3,070.93	3	2,706.13	3	2,341.33	3	1,976.53	3	1,611.73	3	1,246.93	3	882.81	3	519.01	3	155.26	3	
1/4	3,063.33	1/4	2,698.53	1/4	2,333.73	1/4	1,968.93	1/4	1,604.13	1/4	1,239.33	1/4	875.25	1/4	511.41	1/4	147.90	1/4	
1/2	3,055.73	1/2	2,690.93	1/2	2,326.13	1/2	1,961.33	1/2	1,596.53	1/2	1,231.73	1/2	867.68	1/2	503.81	1/2	140.54	1/2	
3/4	3,048.13	3/4	2,683.33	3/4	2,318.53	3/4	1,953.73	3/4	1,588.93	3/4	1,224.13	3/4	860.12	3/4	496.21	3/4	133.18	3/4	
4	3,040.53	4	2,675.73	4	2,310.93	4	1,946.13	4	1,581.33	4	1,216.53	4	852.55	4	488.62	4	125.83	4	
1/4	3,032.93	1/4	2,668.13	1/4	2,303.33	1/4	1,938.53	1/4	1,573.73	1/4	1,208.93	1/4	844.99	1/4	481.02	1/4	118.47	1/4	
1/2	3,025.33	1/2	2,660.53	1/2	2,295.73	1/2	1,930.93	1/2	1,566.13	1/2	1,201.33	1/2	837.42	1/2	473.42	1/2	111.11	1/2	
3/4	3,017.73	3/4	2,652.93	3/4	2,288.13	3/4	1,923.33	3/4	1,558.53	3/4	1,193.73	3/4	829.85	3/4	465.87	3/4	103.75	3/4	
5	3,010.13	5	2,645.33	5	2,280.53	5	1,915.73	5	1,550.93	5	1,186.13	5	822.29	5	458.31	5	96.40	5	
1/4	3,002.53	1/4	2,637.73	1/4	2,272.93	1/4	1,908.13	1/4	1,543.33	1/4	1,178.53	1/4	814.72	1/4	450.76	1/4	89.04	1/4	
1/2	2,994.93	1/2	2,630.13	1/2	2,265.33	1/2	1,900.53	1/2	1,535.73	1/2	1,170.93	1/2	807.15	1/2	443.20	1/2	81.68	1/2	
3/4	2,987.33	3/4	2,622.53	3/4	2,257.73	3/4	1,892.93	3/4	1,528.13	3/4	1,163.33	3/4	799.59	3/4	435.56	3/4	74.32	3/4	
6	2,979.73	6	2,614.93	6	2,250.13	6	1,885.33	6	1,520.53	6	1,155.73	6	792.02	6	427.92	6	66.97	6	
1/4	2,972.13	1/4	2,607.33	1/4	2,242.53	1/4	1,877.73	1/4	1,512.93	1/4	1,148.13	1/4	784.46	1/4	420.27	1/4	59.61	1/4	
1/2	2,964.53	1/2	2,599.73	1/2	2,234.93	1/2	1,870.13	1/2	1,505.33	1/2	1,140.53	1/2	776.89	1/2	412.63	1/2	52.25	1/2	
3/4	2,956.93	3/4	2,592.13	3/4	2,227.33	3/4	1,862.53	3/4	1,497.73	3/4	1,132.93	3/4	769.32	3/4	405.03	3/4	46.25	3/4	
7	2,949.33	7	2,584.53	7	2,219.73	7	1,854.93	7	1,490.13	7	1,125.33	7	761.76	7	397.44	7	40.25	7	
1/4	2,941.73	1/4	2,576.93	1/4	2,212.13	1/4	1,847.33	1/4	1,482.53	1/4	1,117.73	1/4	754.19	1/4	389.84	1/4	34.25	1/4	
1/2	2,934.13	1/2	2,569.33	1/2	2,204.53	1/2	1,839.73	1/2	1,474.93	1/2	1,110.13	1/2	746.62	1/2	382.24	1/2	28.25	1/2	
3/4	2,926.53	3/4	2,561.73	3/4	2,196.93	3/4	1,832.13	3/4	1,467.33	3/4	1,102.53	3/4	739.06	3/4	374.64	3/4	24.00	3/4	
8	2,918.93	8	2,554.13	8	2,189.33	8	1,824.53	8	1,459.73	8	1,094.93	8	731.49	8	367.05	8	19.74	8	
1/4	2,911.33	1/4	2,546.53	1/4	2,181.73	1/4	1,816.93	1/4	1,452.13	1/4	1,087.33	1/4	723.93	1/4	359.45	1/4	15.49	1/4	
1/2	2,903.73	1/2	2,538.93	1/2	2,174.13	1/2	1,809.33	1/2	1,444.53	1/2	1,079.73	1/2	716.36	1/2	351.85	1/2	11.23	1/2	
3/4	2,896.13	3/4	2,531.33	3/4	2,166.53	3/4	1,801.73	3/4	1,436.93	3/4	1,072.13	3/4	708.80	3/4	344.25	3/4	9.03	3/4	
9	2,888.53	9	2,523.73	9	2,158.93	9	1,794.13	9	1,429.33	9	1,064.53	9	701.23	9	336.66	9	6.83	9	
1/4	2,880.93	1/4	2,516.13	1/4	2,151.33	1/4	1,786.53	1/4	1,421.73	1/4	1,056.93	1/4	693.67	1/4	329.06	1/4	4.63	1/4	
1/2	2,873.33	1/2	2,508.53	1/2	2,143.73	1/2	1,778.94	1/2	1,414.13	1/2	1,049.33	1/2	686.10	1/2	321.46	1/2	2.43	1/2	
3/4	2,865.73	3/4	2,500.93	3/4	2,136.13	3/4	1,771.33	3/4	1,406.53	3/4	1,041.75	3/4	678.52	3/4	313.86	3/4		3/4	
10	2,858.13	10	2,493.33	10	2,128.53	10	1,763.73	10	1,398.93	10	1,034.17	10	670.94	10	306.26	10		10	
1/4	2,850.53	1/4	2,485.73	1/4	2,120.93	1/4	1,756.13	1/4	1,391.33	1/4	1,026.58	1/4	663.35	1/4	298.66	1/4		1/4	
1/2	2,842.93	1/2	2,478.13	1/2	2,113.33	1/2	1,748.53	1/2	1,383.73	1/2	1,019.00	1/2	655.77	1/2	291.06	1/2		1/2	
3/4	2,835.33	3/4	2,470.53	3/4	2,105.73	3/4	1,740.93	3/4	1,376.13	3/4	1,011.44	3/4	648.17	3/4	283.46	3/4		3/4	
11	2,827.73	11	2,462.93	11	2,098.13	11	1,733.33	11	1,368.53	11	1,003.87	11	640.58	11	275.87	11		11	
1/4	2,820.13	1/4	2,455.33	1/4	2,090.53	1/4	1,725.73	1/4	1,360.93	1/4	996.31	1/4	632.98	1/4	268.27	1/4		1/4	
1/2	2,812.53	1/2	2,447.73	1/2	2,082.93	1/2	1,718.13	1/2	1,353.33	1/2	988.74	1/2	625.38	1/2	260.67	1/2		1/2	
3/4	2,804.93	3/4	2,440.13	3/4	2,075.33	3/4	1,710.53	3/4	1,345.73	3/4	981.17	3/4	617.78	3/4	253.07	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/14/2005 INSP
RECALCULATED: 06/08/2020 PMA
NAME CHANGE: 08/23/2023 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

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



BARGE "LACB-115"

3 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 29216"

GAUGE HEIGHT 18'-09 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0		0	4,550.67	0	4,297.24	0	4,043.99	0	3,790.75	0	3,523.21
1/4		1/4		1/4		1/4		1/4		1/4	4,545.31	1/4	4,291.97	1/4	4,038.72	1/4	3,785.47	1/4	3,516.38
1/2		1/2		1/2		1/2		1/2		1/2	4,539.94	1/2	4,286.69	1/2	4,033.44	1/2	3,780.19	1/2	3,509.55
3/4		3/4		3/4		3/4		3/4		3/4	4,534.66	3/4	4,281.41	3/4	4,028.17	3/4	3,774.92	3/4	3,502.37
1		1		1		1		1		1	4,529.39	1	4,276.14	1	4,022.89	1	3,769.64	1	3,495.20
1/4		1/4		1/4		1/4		1/4	4,706.08	1/4	4,524.11	1/4	4,270.86	1/4	4,017.62	1/4	3,764.37	1/4	3,488.02
1/2		1/2		1/2		1/2		1/2	4,705.79	1/2	4,518.83	1/2	4,265.58	1/2	4,012.34	1/2	3,759.09	1/2	3,480.84
3/4		3/4		3/4		3/4		3/4	4,705.16	3/4	4,513.56	3/4	4,260.31	3/4	4,007.06	3/4	3,753.81	3/4	3,473.36
2		2		2		2		2	4,704.53	2	4,508.28	2	4,255.03	2	4,001.79	2	3,748.53	2	3,465.89
1/4		1/4		1/4		1/4		1/4	4,703.89	1/4	4,503.01	1/4	4,249.76	1/4	3,996.51	1/4	3,743.25	1/4	3,458.41
1/2		1/2		1/2		1/2		1/2	4,703.26	1/2	4,497.73	1/2	4,244.48	1/2	3,991.23	1/2	3,737.97	1/2	3,450.93
3/4		3/4		3/4		3/4		3/4	4,701.90	3/4	4,492.45	3/4	4,239.21	3/4	3,985.96	3/4	3,732.70	3/4	3,443.33
3		3		3		3		3	4,700.53	3	4,487.18	3	4,233.93	3	3,980.68	3	3,727.42	3	3,435.73
1/4		1/4		1/4		1/4		1/4	4,699.17	1/4	4,481.90	1/4	4,228.66	1/4	3,975.41	1/4	3,722.15	1/4	3,428.13
1/2		1/2		1/2		1/2		1/2	4,697.80	1/2	4,476.62	1/2	4,223.38	1/2	3,970.13	1/2	3,716.88	1/2	3,420.53
3/4		3/4		3/4		3/4		3/4	4,695.65	3/4	4,471.35	3/4	4,218.10	3/4	3,964.85	3/4	3,711.61	3/4	3,412.93
4		4		4		4		4	4,693.50	4	4,466.07	4	4,212.83	4	3,959.58	4	3,706.33	4	3,405.33
1/4		1/4		1/4		1/4		1/4	4,691.35	1/4	4,460.80	1/4	4,207.55	1/4	3,954.30	1/4	3,701.06	1/4	3,397.73
1/2		1/2		1/2		1/2		1/2	4,689.20	1/2	4,455.52	1/2	4,202.27	1/2	3,949.02	1/2	3,695.78	1/2	3,390.13
3/4		3/4		3/4		3/4		3/4	4,686.27	3/4	4,450.25	3/4	4,197.00	3/4	3,943.75	3/4	3,690.50	3/4	3,382.53
5		5		5		5		5	4,683.35	5	4,444.97	5	4,191.72	5	3,938.47	5	3,685.23	5	3,374.93
1/4		1/4		1/4		1/4		1/4	4,680.42	1/4	4,439.70	1/4	4,186.45	1/4	3,933.20	1/4	3,679.95	1/4	3,367.33
1/2		1/2		1/2		1/2		1/2	4,677.49	1/2	4,434.42	1/2	4,181.17	1/2	3,927.92	1/2	3,674.67	1/2	3,359.73
3/4		3/4		3/4		3/4		3/4	4,673.78	3/4	4,429.14	3/4	4,175.89	3/4	3,922.65	3/4	3,669.40	3/4	3,352.13
6		6		6		6		6	4,670.07	6	4,423.87	6	4,170.62	6	3,917.37	6	3,664.12	6	3,344.53
1/4		1/4		1/4		1/4		1/4	4,666.35	1/4	4,418.59	1/4	4,165.34	1/4	3,912.10	1/4	3,658.85	1/4	3,336.93
1/2		1/2		1/2		1/2		1/2	4,662.64	1/2	4,413.31	1/2	4,160.06	1/2	3,906.82	1/2	3,653.57	1/2	3,329.33
3/4		3/4		3/4		3/4		3/4	4,658.15	3/4	4,408.04	3/4	4,154.79	3/4	3,901.54	3/4	3,648.29	3/4	3,321.73
7		7		7		7		7	4,653.66	7	4,402.76	7	4,149.51	7	3,896.27	7	3,643.02	7	3,314.13
1/4		1/4		1/4		1/4		1/4	4,649.16	1/4	4,397.49	1/4	4,144.24	1/4	3,890.99	1/4	3,637.74	1/4	3,306.53
1/2		1/2		1/2		1/2		1/2	4,644.67	1/2	4,392.21	1/2	4,138.96	1/2	3,885.71	1/2	3,632.46	1/2	3,298.93
3/4		3/4		3/4		3/4		3/4	4,639.59	3/4	4,386.93	3/4	4,133.69	3/4	3,880.44	3/4	3,626.98	3/4	3,291.33
8		8		8		8		8	4,634.51	8	4,381.66	8	4,128.41	8	3,875.16	8	3,621.50	8	3,283.73
1/4		1/4		1/4		1/4		1/4	4,629.43	1/4	4,376.38	1/4	4,123.14	1/4	3,869.89	1/4	3,616.02	1/4	3,276.13
1/2		1/2		1/2		1/2		1/2	4,624.35	1/2	4,371.10	1/2	4,117.86	1/2	3,864.61	1/2	3,610.54	1/2	3,268.53
3/4		3/4		3/4		3/4		3/4	4,619.08	3/4	4,365.83	3/4	4,112.58	3/4	3,859.33	3/4	3,604.75	3/4	3,260.93
9		9		9		9		9	4,613.80	9	4,360.55	9	4,107.31	9	3,854.06	9	3,598.96	9	3,253.33
1/4		1/4		1/4		1/4		1/4	4,608.53	1/4	4,355.28	1/4	4,102.03	1/4	3,848.78	1/4	3,593.16	1/4	3,245.73
1/2		1/2		1/2		1/2		1/2	4,603.25	1/2	4,350.00	1/2	4,096.75	1/2	3,843.50	1/2	3,587.37	1/2	3,238.13
3/4		3/4		3/4		3/4		3/4	4,597.97	3/4	4,344.73	3/4	4,091.48	3/4	3,838.23	3/4	3,581.23	3/4	3,230.53
10		10		10		10		10	4,592.70	10	4,339.45	10	4,086.20	10	3,832.95	10	3,575.09	10	3,222.93
1/4		1/4		1/4		1/4		1/4	4,587.42	1/4	4,334.18	1/4	4,080.93	1/4	3,827.68	1/4	3,568.95	1/4	3,215.33
1/2		1/2		1/2		1/2		1/2	4,582.14	1/2	4,328.90	1/2	4,075.65	1/2	3,822.40	1/2	3,562.81	1/2	3,207.73
3/4		3/4		3/4		3/4		3/4	4,576.96	3/4	4,323.62	3/4	4,070.37	3/4	3,817.13	3/4	3,556.33	3/4	3,200.13
11		11		11		11		11	4,571.77	11	4,318.35	11	4,065.10	11	3,811.85	11	3,549.84	11	3,192.53
1/4		1/4		1/4		1/4		1/4	4,566.59	1/4	4,313.07	1/4	4,059.82	1/4	3,806.58	1/4	3,543.36	1/4	3,184.93
1/2		1/2		1/2		1/2		1/2	4,561.40	1/2	4,307.79	1/2	4,054.54	1/2	3,801.30	1/2	3,536.87	1/2	3,177.33
3/4		3/4		3/4		3/4		3/4	4,556.04	3/4	4,302.52	3/4	4,049.27	3/4	3,796.02	3/4	3,530.04	3/4	3,169.73

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" DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 3'-00" OFF CENTERLINE AND 86'-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 "LACB-115"

3 STBD

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 29216"

GAUGE HEIGHT 18'-09 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,162.13	0	2,797.33	0	2,432.53	0	2,067.73	0	1,702.93	0	1,338.13	0	973.61	0	610.18	0	245.48	0	
1/4	3,154.53	1/4	2,789.73	1/4	2,424.93	1/4	2,060.13	1/4	1,695.33	1/4	1,330.53	1/4	966.04	1/4	602.58	1/4	237.88	1/4	
1/2	3,146.93	1/2	2,782.13	1/2	2,417.33	1/2	2,052.53	1/2	1,687.73	1/2	1,322.93	1/2	958.47	1/2	594.98	1/2	230.28	1/2	
3/4	3,139.33	3/4	2,774.53	3/4	2,409.73	3/4	2,044.93	3/4	1,680.13	3/4	1,315.33	3/4	950.91	3/4	587.38	3/4	222.66	3/4	
1	3,131.73	1	2,766.93	1	2,402.13	1	2,037.33	1	1,672.53	1	1,307.73	1	943.34	1	579.79	1	215.04	1	
1/4	3,124.13	1/4	2,759.33	1/4	2,394.53	1/4	2,029.73	1/4	1,664.93	1/4	1,300.13	1/4	935.78	1/4	572.19	1/4	207.42	1/4	
1/2	3,116.53	1/2	2,751.74	1/2	2,386.93	1/2	2,022.13	1/2	1,657.33	1/2	1,292.53	1/2	928.21	1/2	564.59	1/2	199.80	1/2	
3/4	3,108.93	3/4	2,744.13	3/4	2,379.33	3/4	2,014.53	3/4	1,649.73	3/4	1,284.93	3/4	920.64	3/4	556.99	3/4	192.35	3/4	
2	3,101.33	2	2,736.53	2	2,371.73	2	2,006.93	2	1,642.13	2	1,277.33	2	913.08	2	549.40	2	184.89	2	
1/4	3,093.73	1/4	2,728.93	1/4	2,364.13	1/4	1,999.33	1/4	1,634.53	1/4	1,269.73	1/4	905.51	1/4	541.80	1/4	177.44	1/4	
1/2	3,086.13	1/2	2,721.33	1/2	2,356.53	1/2	1,991.73	1/2	1,626.93	1/2	1,262.13	1/2	897.94	1/2	534.20	1/2	169.98	1/2	
3/4	3,078.53	3/4	2,713.73	3/4	2,348.93	3/4	1,984.13	3/4	1,619.33	3/4	1,254.53	3/4	890.38	3/4	526.60	3/4	162.62	3/4	
3	3,070.93	3	2,706.13	3	2,341.33	3	1,976.53	3	1,611.73	3	1,246.93	3	882.81	3	519.01	3	155.26	3	
1/4	3,063.33	1/4	2,698.53	1/4	2,333.73	1/4	1,968.93	1/4	1,604.13	1/4	1,239.33	1/4	875.25	1/4	511.41	1/4	147.90	1/4	
1/2	3,055.73	1/2	2,690.93	1/2	2,326.13	1/2	1,961.33	1/2	1,596.53	1/2	1,231.73	1/2	867.68	1/2	503.81	1/2	140.54	1/2	
3/4	3,048.13	3/4	2,683.33	3/4	2,318.53	3/4	1,953.73	3/4	1,588.93	3/4	1,224.13	3/4	860.12	3/4	496.21	3/4	133.18	3/4	
4	3,040.53	4	2,675.73	4	2,310.93	4	1,946.13	4	1,581.33	4	1,216.53	4	852.55	4	488.62	4	125.83	4	
1/4	3,032.93	1/4	2,668.13	1/4	2,303.33	1/4	1,938.53	1/4	1,573.73	1/4	1,208.93	1/4	844.99	1/4	481.02	1/4	118.47	1/4	
1/2	3,025.33	1/2	2,660.53	1/2	2,295.73	1/2	1,930.93	1/2	1,566.13	1/2	1,201.33	1/2	837.42	1/2	473.42	1/2	111.11	1/2	
3/4	3,017.73	3/4	2,652.93	3/4	2,288.13	3/4	1,923.33	3/4	1,558.53	3/4	1,193.73	3/4	829.85	3/4	465.87	3/4	103.75	3/4	
5	3,010.13	5	2,645.33	5	2,280.53	5	1,915.73	5	1,550.93	5	1,186.13	5	822.29	5	458.31	5	96.40	5	
1/4	3,002.53	1/4	2,637.73	1/4	2,272.93	1/4	1,908.13	1/4	1,543.33	1/4	1,178.53	1/4	814.72	1/4	450.76	1/4	89.04	1/4	
1/2	2,994.93	1/2	2,630.13	1/2	2,265.33	1/2	1,900.53	1/2	1,535.73	1/2	1,170.93	1/2	807.15	1/2	443.20	1/2	81.68	1/2	
3/4	2,987.33	3/4	2,622.53	3/4	2,257.73	3/4	1,892.93	3/4	1,528.13	3/4	1,163.33	3/4	799.59	3/4	435.56	3/4	74.32	3/4	
6	2,979.73	6	2,614.93	6	2,250.13	6	1,885.33	6	1,520.53	6	1,155.73	6	792.02	6	427.92	6	66.97	6	
1/4	2,972.13	1/4	2,607.33	1/4	2,242.53	1/4	1,877.73	1/4	1,512.93	1/4	1,148.13	1/4	784.46	1/4	420.27	1/4	59.61	1/4	
1/2	2,964.53	1/2	2,599.73	1/2	2,234.93	1/2	1,870.13	1/2	1,505.33	1/2	1,140.53	1/2	776.89	1/2	412.63	1/2	52.25	1/2	
3/4	2,956.93	3/4	2,592.13	3/4	2,227.33	3/4	1,862.53	3/4	1,497.73	3/4	1,132.93	3/4	769.32	3/4	405.03	3/4	46.25	3/4	
7	2,949.33	7	2,584.53	7	2,219.73	7	1,854.93	7	1,490.13	7	1,125.33	7	761.76	7	397.44	7	40.25	7	
1/4	2,941.73	1/4	2,576.93	1/4	2,212.13	1/4	1,847.33	1/4	1,482.53	1/4	1,117.73	1/4	754.19	1/4	389.84	1/4	34.25	1/4	
1/2	2,934.13	1/2	2,569.33	1/2	2,204.53	1/2	1,839.73	1/2	1,474.93	1/2	1,110.13	1/2	746.62	1/2	382.24	1/2	28.25	1/2	
3/4	2,926.53	3/4	2,561.73	3/4	2,196.93	3/4	1,832.13	3/4	1,467.33	3/4	1,102.53	3/4	739.06	3/4	374.64	3/4	24.00	3/4	
8	2,918.93	8	2,554.13	8	2,189.33	8	1,824.53	8	1,459.73	8	1,094.93	8	731.49	8	367.05	8	19.74	8	
1/4	2,911.33	1/4	2,546.53	1/4	2,181.73	1/4	1,816.93	1/4	1,452.13	1/4	1,087.33	1/4	723.93	1/4	359.45	1/4	15.49	1/4	
1/2	2,903.73	1/2	2,538.93	1/2	2,174.13	1/2	1,809.33	1/2	1,444.53	1/2	1,079.73	1/2	716.36	1/2	351.85	1/2	11.23	1/2	
3/4	2,896.13	3/4	2,531.33	3/4	2,166.53	3/4	1,801.73	3/4	1,436.93	3/4	1,072.13	3/4	708.80	3/4	344.25	3/4	9.03	3/4	
9	2,888.53	9	2,523.73	9	2,158.93	9	1,794.13	9	1,429.33	9	1,064.53	9	701.23	9	336.66	9	6.83	9	
1/4	2,880.93	1/4	2,516.13	1/4	2,151.33	1/4	1,786.53	1/4	1,421.73	1/4	1,056.93	1/4	693.67	1/4	329.06	1/4	4.63	1/4	
1/2	2,873.33	1/2	2,508.53	1/2	2,143.73	1/2	1,778.94	1/2	1,414.13	1/2	1,049.33	1/2	686.10	1/2	321.46	1/2	2.43	1/2	
3/4	2,865.73	3/4	2,500.93	3/4	2,136.13	3/4	1,771.33	3/4	1,406.53	3/4	1,041.75	3/4	678.52	3/4	313.86	3/4		3/4	
10	2,858.13	10	2,493.33	10	2,128.53	10	1,763.73	10	1,398.93	10	1,034.17	10	670.94	10	306.26	10		10	
1/4	2,850.53	1/4	2,485.73	1/4	2,120.93	1/4	1,756.13	1/4	1,391.33	1/4	1,026.58	1/4	663.35	1/4	298.66	1/4		1/4	
1/2	2,842.93	1/2	2,478.13	1/2	2,113.33	1/2	1,748.53	1/2	1,383.73	1/2	1,019.00	1/2	655.77	1/2	291.06	1/2		1/2	
3/4	2,835.33	3/4	2,470.53	3/4	2,105.73	3/4	1,740.93	3/4	1,376.13	3/4	1,011.44	3/4	648.17	3/4	283.46	3/4		3/4	
11	2,827.73	11	2,462.93	11	2,098.13	11	1,733.33	11	1,368.53	11	1,003.87	11	640.58	11	275.87	11		11	
1/4	2,820.13	1/4	2,455.33	1/4	2,090.53	1/4	1,725.73	1/4	1,360.93	1/4	996.31	1/4	632.98	1/4	268.27	1/4		1/4	
1/2	2,812.53	1/2	2,447.73	1/2	2,082.93	1/2	1,718.13	1/2	1,353.33	1/2	988.74	1/2	625.38	1/2	260.67	1/2		1/2	
3/4	2,804.93	3/4	2,440.13	3/4	2,075.33	3/4	1,710.53	3/4	1,345.73	3/4	981.17	3/4	617.78	3/4	253.07	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/14/2005 INSP
RECALCULATED: 06/08/2020 PMA
NAME CHANGE: 08/23/2023 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

PRECISION MEASUREMENT
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