



BARGE "LACB 116"

ULLAGE TRIM TABLE
FORMERLY "KIRBY 29323"

	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	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4
1 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4
2 PORT	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-3/8	- 01-3/8
2 STBD	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-3/8	- 01-3/8
3 PORT	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4
3 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4

(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 - 00-1/4"
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 3/4"

August 24, 2023

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

<http://www.pmacorp.net>



BARGE "LACB 116"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

FORMERLY "KIRBY 29323"

GAUGE HEIGHT 16'-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	5,106.39	0	4,741.91	0	4,367.56	0	3,992.88	0	3,618.19	0	3,243.50	0	2,868.81
1/4		1/4		1/4		1/4	5,098.92	1/4	4,734.14	1/4	4,359.76	1/4	3,985.07	1/4	3,610.38	1/4	3,235.70	1/4	2,861.01
1/2		1/2		1/2		1/2	5,091.46	1/2	4,726.37	1/2	4,351.95	1/2	3,977.26	1/2	3,602.58	1/2	3,227.89	1/2	2,853.20
3/4		3/4		3/4		3/4	5,083.99	3/4	4,718.59	3/4	4,344.14	3/4	3,969.46	3/4	3,594.77	3/4	3,220.09	3/4	2,845.40
1		1		1		1	5,076.52	1	4,710.82	1	4,336.34	1	3,961.65	1	3,586.96	1	3,212.28	1	2,837.59
1/4		1/4		1/4		1/4	5,069.06	1/4	4,703.05	1/4	4,328.53	1/4	3,953.84	1/4	3,579.16	1/4	3,204.47	1/4	2,829.78
1/2		1/2		1/2		1/2	5,061.59	1/2	4,695.28	1/2	4,320.73	1/2	3,946.04	1/2	3,571.35	1/2	3,196.67	1/2	2,821.98
3/4		3/4		3/4		3/4	5,054.13	3/4	4,687.51	3/4	4,312.92	3/4	3,938.23	3/4	3,563.55	3/4	3,188.86	3/4	2,814.17
2		2		2		2	5,046.66	2	4,679.74	2	4,305.12	2	3,930.43	2	3,555.74	2	3,181.05	2	2,806.36
1/4		1/4		1/4		1/4	5,039.16	1/4	4,671.95	1/4	4,297.31	1/4	3,922.62	1/4	3,547.94	1/4	3,173.25	1/4	2,798.56
1/2		1/2		1/2		1/2	5,299.18	1/2	5,031.65	1/2	4,664.16	1/2	4,289.50	1/2	3,914.81	1/2	3,165.44	1/2	2,790.75
3/4		3/4		3/4		3/4	5,299.12	3/4	5,024.15	3/4	4,656.37	3/4	4,281.70	3/4	3,907.01	3/4	3,532.33	3/4	2,782.95
3		3		3		3	5,299.05	3	5,016.64	3	4,648.58	3	4,273.89	3	3,899.20	3	3,524.52	3	2,775.14
1/4		1/4		1/4		1/4	5,298.46	1/4	5,009.10	1/4	4,640.78	1/4	4,266.08	1/4	3,891.39	1/4	3,516.71	1/4	2,767.34
1/2		1/2		1/2		1/2	5,297.87	1/2	5,001.56	1/2	4,632.97	1/2	4,258.28	1/2	3,883.59	1/2	3,508.91	1/2	2,759.53
3/4		3/4		3/4		3/4	5,297.28	3/4	4,994.02	3/4	4,625.17	3/4	4,250.47	3/4	3,875.78	3/4	3,501.10	3/4	2,751.73
4		4		4		4	5,296.69	4	4,986.48	4	4,617.36	4	4,242.67	4	3,867.98	4	3,493.29	4	2,743.92
1/4		1/4		1/4		1/4	5,294.18	1/4	4,978.94	1/4	4,609.55	1/4	4,234.86	1/4	3,860.18	1/4	3,485.49	1/4	2,736.11
1/2		1/2		1/2		1/2	5,291.67	1/2	4,971.40	1/2	4,601.75	1/2	4,227.05	1/2	3,852.37	1/2	3,477.68	1/2	2,728.31
3/4		3/4		3/4		3/4	5,289.15	3/4	4,963.85	3/4	4,593.94	3/4	4,219.25	3/4	3,844.57	3/4	3,469.88	3/4	2,720.50
5		5		5		5	5,286.64	5	4,956.31	5	4,586.13	5	4,211.44	5	3,836.76	5	3,462.07	5	2,712.69
1/4		1/4		1/4		1/4	5,282.92	1/4	4,948.73	1/4	4,578.33	1/4	4,203.63	1/4	3,828.95	1/4	3,454.26	1/4	2,704.89
1/2		1/2		1/2		1/2	5,279.20	1/2	4,941.15	1/2	4,570.52	1/2	4,195.83	1/2	3,821.15	1/2	3,446.46	1/2	2,697.08
3/4		3/4		3/4		3/4	5,275.47	3/4	4,933.57	3/4	4,562.72	3/4	4,188.02	3/4	3,813.34	3/4	3,438.65	3/4	2,689.28
6		6		6		6	5,271.75	6	4,925.99	6	4,554.91	6	4,180.22	6	3,805.53	6	3,430.84	6	2,681.47
1/4		1/4		1/4		1/4	5,266.57	1/4	4,918.37	1/4	4,547.10	1/4	4,172.41	1/4	3,797.73	1/4	3,423.04	1/4	2,673.66
1/2		1/2		1/2		1/2	5,261.39	1/2	4,910.76	1/2	4,539.30	1/2	4,164.61	1/2	3,789.92	1/2	3,415.23	1/2	2,665.86
3/4		3/4		3/4		3/4	5,256.21	3/4	4,903.14	3/4	4,531.49	3/4	4,156.80	3/4	3,782.12	3/4	3,407.43	3/4	2,658.05
7		7		7		7	5,251.03	7	4,895.52	7	4,523.68	7	4,149.00	7	3,774.31	7	3,399.62	7	2,650.24
1/4		1/4		1/4		1/4	5,244.43	1/4	4,887.90	1/4	4,515.88	1/4	4,141.19	1/4	3,766.50	1/4	3,391.82	1/4	2,642.44
1/2		1/2		1/2		1/2	5,237.83	1/2	4,880.28	1/2	4,508.07	1/2	4,133.38	1/2	3,758.70	1/2	3,384.01	1/2	2,634.63
3/4		3/4		3/4		3/4	5,231.22	3/4	4,872.66	3/4	4,500.27	3/4	4,125.58	3/4	3,750.89	3/4	3,376.21	3/4	2,626.83
8		8		8		8	5,224.62	8	4,865.04	8	4,492.46	8	4,117.77	8	3,743.08	8	3,368.40	8	2,619.02
1/4		1/4		1/4		1/4	5,217.27	1/4	4,857.39	1/4	4,484.66	1/4	4,109.96	1/4	3,735.28	1/4	3,360.59	1/4	2,611.22
1/2		1/2		1/2		1/2	5,209.92	1/2	4,849.73	1/2	4,476.85	1/2	4,102.16	1/2	3,727.47	1/2	3,352.79	1/2	2,603.41
3/4		3/4		3/4		3/4	5,202.57	3/4	4,842.08	3/4	4,469.05	3/4	4,094.35	3/4	3,719.67	3/4	3,344.98	3/4	2,595.61
9		9		9		9	5,195.22	9	4,834.42	9	4,461.24	9	4,086.55	9	3,711.86	9	3,337.17	9	2,587.80
1/4		1/4		1/4		1/4	5,187.83	1/4	4,826.72	1/4	4,453.43	1/4	4,078.74	1/4	3,704.06	1/4	3,329.37	1/4	2,579.99
1/2		1/2		1/2		1/2	5,180.44	1/2	4,819.03	1/2	4,445.63	1/2	4,070.93	1/2	3,696.25	1/2	3,321.56	1/2	2,572.19
3/4		3/4		3/4		3/4	5,173.05	3/4	4,811.33	3/4	4,437.82	3/4	4,063.13	3/4	3,688.45	3/4	3,313.76	3/4	2,564.38
10		10		10		10	5,165.66	10	4,803.63	10	4,430.01	10	4,055.32	10	3,680.64	10	3,305.95	10	2,556.57
1/4		1/4		1/4		1/4	5,158.27	1/4	4,795.94	1/4	4,422.21	1/4	4,047.51	1/4	3,672.83	1/4	3,298.14	1/4	2,548.77
1/2		1/2		1/2		1/2	5,150.88	1/2	4,788.24	1/2	4,414.40	1/2	4,039.71	1/2	3,665.03	1/2	3,290.34	1/2	2,540.96
3/4		3/4		3/4		3/4	5,143.49	3/4	4,780.55	3/4	4,406.60	3/4	4,031.90	3/4	3,657.22	3/4	3,282.53	3/4	2,533.16
11		11		11		11	5,136.10	11	4,772.85	11	4,398.79	11	4,024.10	11	3,649.41	11	3,274.72	11	2,525.35
1/4		1/4		1/4		1/4	5,128.67	1/4	4,765.12	1/4	4,390.98	1/4	4,016.29	1/4	3,641.61	1/4	3,266.92	1/4	2,517.54
1/2		1/2		1/2		1/2	5,121.25	1/2	4,757.38	1/2	4,383.18	1/2	4,008.49	1/2	3,633.80	1/2	3,259.11	1/2	2,509.74
3/4		3/4		3/4		3/4	5,113.82	3/4	4,749.65	3/4	4,375.37	3/4	4,000.68	3/4	3,626.00	3/4	3,251.31	3/4	2,501.93

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" GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 46'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "LACB 116"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

FORMERLY "KIRBY 29323"

GAUGE HEIGHT 16'-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	2,494.12	0	2,119.44	0	1,744.75	0	1,370.06	0	995.70	0	621.48	0	257.10	0		0		0	
1/4	2,486.32	1/4	2,111.63	1/4	1,736.94	1/4	1,362.26	1/4	987.91	1/4	613.67	1/4	249.97	1/4	1/4	1/4	1/4	1/4	
1/2	2,478.51	1/2	2,103.83	1/2	1,729.14	1/2	1,354.45	1/2	980.12	1/2	605.86	1/2	242.84	1/2	1/2	1/2	1/2	1/2	
3/4	2,470.71	3/4	2,096.02	3/4	1,721.33	3/4	1,346.65	3/4	972.33	3/4	598.05	3/4	235.70	3/4	3/4	3/4	3/4	3/4	
1	2,462.90	1	2,088.21	1	1,713.52	1	1,338.84	1	964.54	1	590.24	1	228.57	1		1		1	
1/4	2,455.10	1/4	2,080.41	1/4	1,705.72	1/4	1,331.03	1/4	956.75	1/4	582.43	1/4	221.44	1/4	1/4	1/4	1/4	1/4	
1/2	2,447.29	1/2	2,072.60	1/2	1,697.91	1/2	1,323.23	1/2	948.97	1/2	574.62	1/2	214.31	1/2	1/2	1/2	1/2	1/2	
3/4	2,439.49	3/4	2,064.80	3/4	1,690.11	3/4	1,315.42	3/4	941.18	3/4	566.81	3/4	207.17	3/4	3/4	3/4	3/4	3/4	
2	2,431.68	2	2,056.99	2	1,682.30	2	1,307.61	2	933.39	2	559.00	2	200.04	2		2		2	
1/4	2,423.87	1/4	2,049.18	1/4	1,674.50	1/4	1,299.81	1/4	925.60	1/4	551.19	1/4	193.02	1/4	1/4	1/4	1/4	1/4	
1/2	2,416.07	1/2	2,041.38	1/2	1,666.69	1/2	1,292.00	1/2	917.82	1/2	543.38	1/2	185.99	1/2	1/2	1/2	1/2	1/2	
3/4	2,408.26	3/4	2,033.57	3/4	1,658.89	3/4	1,284.20	3/4	910.03	3/4	535.57	3/4	178.97	3/4	3/4	3/4	3/4	3/4	
3	2,400.45	3	2,025.76	3	1,651.08	3	1,276.39	3	902.24	3	527.76	3	171.94	3		3		3	
1/4	2,392.65	1/4	2,017.96	1/4	1,643.27	1/4	1,268.58	1/4	894.45	1/4	519.99	1/4	165.02	1/4	1/4	1/4	1/4	1/4	
1/2	2,384.84	1/2	2,010.15	1/2	1,635.47	1/2	1,260.78	1/2	886.67	1/2	512.21	1/2	158.11	1/2	1/2	1/2	1/2	1/2	
3/4	2,377.04	3/4	2,002.35	3/4	1,627.66	3/4	1,252.97	3/4	878.88	3/4	504.44	3/4	151.19	3/4	3/4	3/4	3/4	3/4	
4	2,369.23	4	1,994.54	4	1,619.85	4	1,245.16	4	871.09	4	496.66	4	144.27	4		4		4	
1/4	2,361.42	1/4	1,986.74	1/4	1,612.05	1/4	1,237.36	1/4	863.30	1/4	488.92	1/4	137.35	1/4	1/4	1/4	1/4	1/4	
1/2	2,353.62	1/2	1,978.93	1/2	1,604.24	1/2	1,229.55	1/2	855.52	1/2	481.19	1/2	130.44	1/2	1/2	1/2	1/2	1/2	
3/4	2,345.81	3/4	1,971.13	3/4	1,596.44	3/4	1,221.75	3/4	847.73	3/4	473.45	3/4	123.52	3/4	3/4	3/4	3/4	3/4	
5	2,338.00	5	1,963.32	5	1,588.63	5	1,213.94	5	839.94	5	465.71	5	116.60	5		5		5	
1/4	2,330.20	1/4	1,955.51	1/4	1,580.82	1/4	1,206.14	1/4	832.15	1/4	458.06	1/4	109.80	1/4	1/4	1/4	1/4	1/4	
1/2	2,322.39	1/2	1,947.71	1/2	1,573.02	1/2	1,198.33	1/2	824.36	1/2	450.41	1/2	103.00	1/2	1/2	1/2	1/2	1/2	
3/4	2,314.59	3/4	1,939.90	3/4	1,565.21	3/4	1,190.53	3/4	816.57	3/4	442.76	3/4	96.20	3/4	3/4	3/4	3/4	3/4	
6	2,306.78	6	1,932.09	6	1,557.40	6	1,182.72	6	808.78	6	435.11	6	89.40	6		6		6	
1/4	2,298.98	1/4	1,924.29	1/4	1,549.60	1/4	1,174.91	1/4	800.99	1/4	427.55	1/4	82.72	1/4	1/4	1/4	1/4	1/4	
1/2	2,291.17	1/2	1,916.48	1/2	1,541.79	1/2	1,167.11	1/2	793.21	1/2	419.99	1/2	76.04	1/2	1/2	1/2	1/2	1/2	
3/4	2,283.37	3/4	1,908.68	3/4	1,533.99	3/4	1,159.30	3/4	785.42	3/4	412.43	3/4	69.36	3/4	3/4	3/4	3/4	3/4	
7	2,275.56	7	1,900.87	7	1,526.18	7	1,151.49	7	777.63	7	404.87	7	62.68	7		7		7	
1/4	2,267.75	1/4	1,893.06	1/4	1,518.38	1/4	1,143.69	1/4	769.83	1/4	397.31	1/4	56.86	1/4	1/4	1/4	1/4	1/4	
1/2	2,259.95	1/2	1,885.26	1/2	1,510.57	1/2	1,135.90	1/2	762.04	1/2	389.75	1/2	51.03	1/2	1/2	1/2	1/2	1/2	
3/4	2,252.14	3/4	1,877.45	3/4	1,502.77	3/4	1,128.10	3/4	754.24	3/4	382.19	3/4	45.21	3/4	3/4	3/4	3/4	3/4	
8	2,244.33	8	1,869.64	8	1,494.96	8	1,120.30	8	746.44	8	374.63	8	39.38	8		8		8	
1/4	2,236.53	1/4	1,861.84	1/4	1,487.15	1/4	1,112.51	1/4	738.63	1/4	367.18	1/4	34.87	1/4	1/4	1/4	1/4	1/4	
1/2	2,228.72	1/2	1,854.03	1/2	1,479.35	1/2	1,104.73	1/2	730.82	1/2	359.73	1/2	30.35	1/2	1/2	1/2	1/2	1/2	
3/4	2,220.92	3/4	1,846.23	3/4	1,471.54	3/4	1,096.94	3/4	723.01	3/4	352.27	3/4	25.84	3/4	3/4	3/4	3/4	3/4	
9	2,213.11	9	1,838.42	9	1,463.73	9	1,089.15	9	715.20	9	344.82	9	21.32	9		9		9	
1/4	2,205.30	1/4	1,830.62	1/4	1,455.93	1/4	1,081.36	1/4	707.39	1/4	337.48	1/4	18.27	1/4	1/4	1/4	1/4	1/4	
1/2	2,197.50	1/2	1,822.81	1/2	1,448.12	1/2	1,073.58	1/2	699.58	1/2	330.13	1/2	15.22	1/2	1/2	1/2	1/2	1/2	
3/4	2,189.69	3/4	1,815.01	3/4	1,440.32	3/4	1,065.79	3/4	691.77	3/4	322.79	3/4	12.17	3/4	3/4	3/4	3/4	3/4	
10	2,181.88	10	1,807.20	10	1,432.51	10	1,058.00	10	683.96	10	315.44	10	9.12	10		10		10	
1/4	2,174.08	1/4	1,799.39	1/4	1,424.70	1/4	1,050.21	1/4	676.15	1/4	308.09	1/4		1/4	1/4	1/4	1/4	1/4	
1/2	2,166.27	1/2	1,791.59	1/2	1,416.90	1/2	1,042.43	1/2	668.34	1/2	300.75	1/2		1/2	1/2	1/2	1/2	1/2	
3/4	2,158.47	3/4	1,783.78	3/4	1,409.09	3/4	1,034.64	3/4	660.53	3/4	293.40	3/4		3/4	3/4	3/4	3/4	3/4	
11	2,150.66	11	1,775.97	11	1,401.28	11	1,026.85	11	652.72	11	286.05	11		11		11		11	
1/4	2,142.86	1/4	1,768.17	1/4	1,393.48	1/4	1,019.06	1/4	644.91	1/4	278.81	1/4		1/4	1/4	1/4	1/4	1/4	
1/2	2,135.05	1/2	1,760.36	1/2	1,385.67	1/2	1,011.28	1/2	637.10	1/2	271.58	1/2		1/2	1/2	1/2	1/2	1/2	
3/4	2,127.25	3/4	1,752.56	3/4	1,377.87	3/4	1,003.49	3/4	629.29	3/4	264.34	3/4		3/4	3/4	3/4	3/4	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/07/03 INS
RECALCULATED: 07/03/2020 SW
NAME CHANGE: 08/24/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

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



BARGE "LACB 116"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

FORMERLY "KIRBY 29323"

GAUGE HEIGHT 16'-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	5,106.39	0	4,741.91	0	4,367.56	0	3,992.88	0	3,618.19	0	3,243.50	0	2,868.81
1/4		1/4		1/4		1/4	5,098.92	1/4	4,734.14	1/4	4,359.76	1/4	3,985.07	1/4	3,610.38	1/4	3,235.70	1/4	2,861.01
1/2		1/2		1/2		1/2	5,091.46	1/2	4,726.37	1/2	4,351.95	1/2	3,977.26	1/2	3,602.58	1/2	3,227.89	1/2	2,853.20
3/4		3/4		3/4		3/4	5,083.99	3/4	4,718.59	3/4	4,344.14	3/4	3,969.46	3/4	3,594.77	3/4	3,220.09	3/4	2,845.40
1		1		1		1	5,076.52	1	4,710.82	1	4,336.34	1	3,961.65	1	3,586.96	1	3,212.28	1	2,837.59
1/4		1/4		1/4		1/4	5,069.06	1/4	4,703.05	1/4	4,328.53	1/4	3,953.84	1/4	3,579.16	1/4	3,204.47	1/4	2,829.78
1/2		1/2		1/2		1/2	5,061.59	1/2	4,695.28	1/2	4,320.73	1/2	3,946.04	1/2	3,571.35	1/2	3,196.67	1/2	2,821.98
3/4		3/4		3/4		3/4	5,054.13	3/4	4,687.51	3/4	4,312.92	3/4	3,938.23	3/4	3,563.55	3/4	3,188.86	3/4	2,814.17
2		2		2		2	5,046.66	2	4,679.74	2	4,305.12	2	3,930.43	2	3,555.74	2	3,181.05	2	2,806.36
1/4		1/4		1/4		1/4	5,039.16	1/4	4,671.95	1/4	4,297.31	1/4	3,922.62	1/4	3,547.94	1/4	3,173.25	1/4	2,798.56
1/2		1/2		1/2	5,299.18	1/2	5,031.65	1/2	4,664.16	1/2	4,289.50	1/2	3,914.81	1/2	3,540.13	1/2	3,165.44	1/2	2,790.75
3/4		3/4		3/4	5,299.12	3/4	5,024.15	3/4	4,656.37	3/4	4,281.70	3/4	3,907.01	3/4	3,532.33	3/4	3,157.64	3/4	2,782.95
3		3		3	5,299.05	3	5,016.64	3	4,648.58	3	4,273.89	3	3,899.20	3	3,524.52	3	3,149.83	3	2,775.14
1/4		1/4		1/4	5,298.46	1/4	5,009.10	1/4	4,640.78	1/4	4,266.08	1/4	3,891.39	1/4	3,516.71	1/4	3,142.02	1/4	2,767.34
1/2		1/2		1/2	5,297.87	1/2	5,001.56	1/2	4,632.97	1/2	4,258.28	1/2	3,883.59	1/2	3,508.91	1/2	3,134.22	1/2	2,759.53
3/4		3/4		3/4	5,297.28	3/4	4,994.02	3/4	4,625.17	3/4	4,250.47	3/4	3,875.78	3/4	3,501.10	3/4	3,126.41	3/4	2,751.73
4		4		4	5,296.69	4	4,986.48	4	4,617.36	4	4,242.67	4	3,867.98	4	3,493.29	4	3,118.60	4	2,743.92
1/4		1/4		1/4	5,294.18	1/4	4,978.94	1/4	4,609.55	1/4	4,234.86	1/4	3,860.18	1/4	3,485.49	1/4	3,110.80	1/4	2,736.11
1/2		1/2		1/2	5,291.67	1/2	4,971.40	1/2	4,601.75	1/2	4,227.05	1/2	3,852.37	1/2	3,477.68	1/2	3,102.99	1/2	2,728.31
3/4		3/4		3/4	5,289.15	3/4	4,963.85	3/4	4,593.94	3/4	4,219.25	3/4	3,844.57	3/4	3,469.88	3/4	3,095.19	3/4	2,720.50
5		5		5	5,286.64	5	4,956.31	5	4,586.13	5	4,211.44	5	3,836.76	5	3,462.07	5	3,087.38	5	2,712.69
1/4		1/4		1/4	5,282.92	1/4	4,948.73	1/4	4,578.33	1/4	4,203.63	1/4	3,828.95	1/4	3,454.26	1/4	3,079.58	1/4	2,704.89
1/2		1/2		1/2	5,279.20	1/2	4,941.15	1/2	4,570.52	1/2	4,195.83	1/2	3,821.15	1/2	3,446.46	1/2	3,071.77	1/2	2,697.08
3/4		3/4		3/4	5,275.47	3/4	4,933.57	3/4	4,562.72	3/4	4,188.02	3/4	3,813.34	3/4	3,438.65	3/4	3,063.97	3/4	2,689.28
6		6		6	5,271.75	6	4,925.99	6	4,554.91	6	4,180.22	6	3,805.53	6	3,430.84	6	3,056.16	6	2,681.47
1/4		1/4		1/4	5,266.57	1/4	4,918.37	1/4	4,547.10	1/4	4,172.41	1/4	3,797.73	1/4	3,423.04	1/4	3,048.35	1/4	2,673.66
1/2		1/2		1/2	5,261.39	1/2	4,910.76	1/2	4,539.30	1/2	4,164.61	1/2	3,789.92	1/2	3,415.23	1/2	3,040.55	1/2	2,665.86
3/4		3/4		3/4	5,256.21	3/4	4,903.14	3/4	4,531.49	3/4	4,156.80	3/4	3,782.12	3/4	3,407.43	3/4	3,032.74	3/4	2,658.05
7		7		7	5,251.03	7	4,895.52	7	4,523.68	7	4,149.00	7	3,774.31	7	3,399.62	7	3,024.93	7	2,650.24
1/4		1/4		1/4	5,244.43	1/4	4,887.90	1/4	4,515.88	1/4	4,141.19	1/4	3,766.50	1/4	3,391.82	1/4	3,017.13	1/4	2,642.44
1/2		1/2		1/2	5,237.83	1/2	4,880.28	1/2	4,508.07	1/2	4,133.38	1/2	3,758.70	1/2	3,384.01	1/2	3,009.32	1/2	2,634.63
3/4		3/4		3/4	5,231.22	3/4	4,872.66	3/4	4,500.27	3/4	4,125.58	3/4	3,750.89	3/4	3,376.21	3/4	3,001.52	3/4	2,626.83
8		8		8	5,224.62	8	4,865.04	8	4,492.46	8	4,117.77	8	3,743.08	8	3,368.40	8	2,993.71	8	2,619.02
1/4		1/4		1/4	5,217.27	1/4	4,857.39	1/4	4,484.66	1/4	4,109.96	1/4	3,735.28	1/4	3,360.59	1/4	2,985.90	1/4	2,611.22
1/2		1/2		1/2	5,209.92	1/2	4,849.73	1/2	4,476.85	1/2	4,102.16	1/2	3,727.47	1/2	3,352.79	1/2	2,978.10	1/2	2,603.41
3/4		3/4		3/4	5,202.57	3/4	4,842.08	3/4	4,469.05	3/4	4,094.35	3/4	3,719.67	3/4	3,344.98	3/4	2,970.29	3/4	2,595.61
9		9		9	5,195.22	9	4,834.42	9	4,461.24	9	4,086.55	9	3,711.86	9	3,337.17	9	2,962.48	9	2,587.80
1/4		1/4		1/4	5,187.83	1/4	4,826.72	1/4	4,453.43	1/4	4,078.74	1/4	3,704.06	1/4	3,329.37	1/4	2,954.68	1/4	2,579.99
1/2		1/2		1/2	5,180.44	1/2	4,819.03	1/2	4,445.63	1/2	4,070.93	1/2	3,696.25	1/2	3,321.56	1/2	2,946.87	1/2	2,572.19
3/4		3/4		3/4	5,173.05	3/4	4,811.33	3/4	4,437.82	3/4	4,063.13	3/4	3,688.45	3/4	3,313.76	3/4	2,939.07	3/4	2,564.38
10		10		10	5,165.66	10	4,803.63	10	4,430.01	10	4,055.32	10	3,680.64	10	3,305.95	10	2,931.26	10	2,556.57
1/4		1/4		1/4	5,158.27	1/4	4,795.94	1/4	4,422.21	1/4	4,047.51	1/4	3,672.83	1/4	3,298.14	1/4	2,923.46	1/4	2,548.77
1/2		1/2		1/2	5,150.88	1/2	4,788.24	1/2	4,414.40	1/2	4,039.71	1/2	3,665.03	1/2	3,290.34	1/2	2,915.65	1/2	2,540.96
3/4		3/4		3/4	5,143.49	3/4	4,780.55	3/4	4,406.60	3/4	4,031.90	3/4	3,657.22	3/4	3,282.53	3/4	2,907.85	3/4	2,533.16
11		11		11	5,136.10	11	4,772.85	11	4,398.79	11	4,024.10	11	3,649.41	11	3,274.72	11	2,900.04	11	2,525.35
1/4		1/4		1/4	5,128.67	1/4	4,765.12	1/4	4,390.98	1/4	4,016.29	1/4	3,641.61	1/4	3,266.92	1/4	2,892.23	1/4	2,517.54
1/2		1/2		1/2	5,121.25	1/2	4,757.38	1/2	4,383.18	1/2	4,008.49	1/2	3,633.80	1/2	3,259.11	1/2	2,884.43	1/2	2,509.74
3/4		3/4		3/4	5,113.82	3/4	4,749.65	3/4	4,375.37	3/4	4,000.68	3/4	3,626.00	3/4	3,251.31	3/4	2,876.62	3/4	2,501.93

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" GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 46'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "LACB 116"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

FORMERLY "KIRBY 29323"

GAUGE HEIGHT 16'-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	2,494.12	0	2,119.44	0	1,744.75	0	1,370.06	0	995.70	0	621.48	0	257.10	0		0		0	
1/4	2,486.32	1/4	2,111.63	1/4	1,736.94	1/4	1,362.26	1/4	987.91	1/4	613.67	1/4	249.97	1/4	1/4	1/4	1/4	1/4	
1/2	2,478.51	1/2	2,103.83	1/2	1,729.14	1/2	1,354.45	1/2	980.12	1/2	605.86	1/2	242.84	1/2	1/2	1/2	1/2	1/2	
3/4	2,470.71	3/4	2,096.02	3/4	1,721.33	3/4	1,346.65	3/4	972.33	3/4	598.05	3/4	235.70	3/4	3/4	3/4	3/4	3/4	
1	2,462.90	1	2,088.21	1	1,713.52	1	1,338.84	1	964.54	1	590.24	1	228.57	1		1		1	
1/4	2,455.10	1/4	2,080.41	1/4	1,705.72	1/4	1,331.03	1/4	956.75	1/4	582.43	1/4	221.44	1/4	1/4	1/4	1/4	1/4	
1/2	2,447.29	1/2	2,072.60	1/2	1,697.91	1/2	1,323.23	1/2	948.97	1/2	574.62	1/2	214.31	1/2	1/2	1/2	1/2	1/2	
3/4	2,439.49	3/4	2,064.80	3/4	1,690.11	3/4	1,315.42	3/4	941.18	3/4	566.81	3/4	207.17	3/4	3/4	3/4	3/4	3/4	
2	2,431.68	2	2,056.99	2	1,682.30	2	1,307.61	2	933.39	2	559.00	2	200.04	2		2		2	
1/4	2,423.87	1/4	2,049.18	1/4	1,674.50	1/4	1,299.81	1/4	925.60	1/4	551.19	1/4	193.02	1/4	1/4	1/4	1/4	1/4	
1/2	2,416.07	1/2	2,041.38	1/2	1,666.69	1/2	1,292.00	1/2	917.82	1/2	543.38	1/2	185.99	1/2	1/2	1/2	1/2	1/2	
3/4	2,408.26	3/4	2,033.57	3/4	1,658.89	3/4	1,284.20	3/4	910.03	3/4	535.57	3/4	178.97	3/4	3/4	3/4	3/4	3/4	
3	2,400.45	3	2,025.76	3	1,651.08	3	1,276.39	3	902.24	3	527.76	3	171.94	3		3		3	
1/4	2,392.65	1/4	2,017.96	1/4	1,643.27	1/4	1,268.58	1/4	894.45	1/4	519.99	1/4	165.02	1/4	1/4	1/4	1/4	1/4	
1/2	2,384.84	1/2	2,010.15	1/2	1,635.47	1/2	1,260.78	1/2	886.67	1/2	512.21	1/2	158.11	1/2	1/2	1/2	1/2	1/2	
3/4	2,377.04	3/4	2,002.35	3/4	1,627.66	3/4	1,252.97	3/4	878.88	3/4	504.44	3/4	151.19	3/4	3/4	3/4	3/4	3/4	
4	2,369.23	4	1,994.54	4	1,619.85	4	1,245.16	4	871.09	4	496.66	4	144.27	4		4		4	
1/4	2,361.42	1/4	1,986.74	1/4	1,612.05	1/4	1,237.36	1/4	863.30	1/4	488.92	1/4	137.35	1/4	1/4	1/4	1/4	1/4	
1/2	2,353.62	1/2	1,978.93	1/2	1,604.24	1/2	1,229.55	1/2	855.52	1/2	481.19	1/2	130.44	1/2	1/2	1/2	1/2	1/2	
3/4	2,345.81	3/4	1,971.13	3/4	1,596.44	3/4	1,221.75	3/4	847.73	3/4	473.45	3/4	123.52	3/4	3/4	3/4	3/4	3/4	
5	2,338.00	5	1,963.32	5	1,588.63	5	1,213.94	5	839.94	5	465.71	5	116.60	5		5		5	
1/4	2,330.20	1/4	1,955.51	1/4	1,580.82	1/4	1,206.14	1/4	832.15	1/4	458.06	1/4	109.80	1/4	1/4	1/4	1/4	1/4	
1/2	2,322.39	1/2	1,947.71	1/2	1,573.02	1/2	1,198.33	1/2	824.36	1/2	450.41	1/2	103.00	1/2	1/2	1/2	1/2	1/2	
3/4	2,314.59	3/4	1,939.90	3/4	1,565.21	3/4	1,190.53	3/4	816.57	3/4	442.76	3/4	96.20	3/4	3/4	3/4	3/4	3/4	
6	2,306.78	6	1,932.09	6	1,557.40	6	1,182.72	6	808.78	6	435.11	6	89.40	6		6		6	
1/4	2,298.98	1/4	1,924.29	1/4	1,549.60	1/4	1,174.91	1/4	800.99	1/4	427.55	1/4	82.72	1/4	1/4	1/4	1/4	1/4	
1/2	2,291.17	1/2	1,916.48	1/2	1,541.79	1/2	1,167.11	1/2	793.21	1/2	419.99	1/2	76.04	1/2	1/2	1/2	1/2	1/2	
3/4	2,283.37	3/4	1,908.68	3/4	1,533.99	3/4	1,159.30	3/4	785.42	3/4	412.43	3/4	69.36	3/4	3/4	3/4	3/4	3/4	
7	2,275.56	7	1,900.87	7	1,526.18	7	1,151.49	7	777.63	7	404.87	7	62.68	7		7		7	
1/4	2,267.75	1/4	1,893.06	1/4	1,518.38	1/4	1,143.69	1/4	769.83	1/4	397.31	1/4	56.86	1/4	1/4	1/4	1/4	1/4	
1/2	2,259.95	1/2	1,885.26	1/2	1,510.57	1/2	1,135.90	1/2	762.04	1/2	389.75	1/2	51.03	1/2	1/2	1/2	1/2	1/2	
3/4	2,252.14	3/4	1,877.45	3/4	1,502.77	3/4	1,128.10	3/4	754.24	3/4	382.19	3/4	45.21	3/4	3/4	3/4	3/4	3/4	
8	2,244.33	8	1,869.64	8	1,494.96	8	1,120.30	8	746.44	8	374.63	8	39.38	8		8		8	
1/4	2,236.53	1/4	1,861.84	1/4	1,487.15	1/4	1,112.51	1/4	738.63	1/4	367.18	1/4	34.87	1/4	1/4	1/4	1/4	1/4	
1/2	2,228.72	1/2	1,854.03	1/2	1,479.35	1/2	1,104.73	1/2	730.82	1/2	359.73	1/2	30.35	1/2	1/2	1/2	1/2	1/2	
3/4	2,220.92	3/4	1,846.23	3/4	1,471.54	3/4	1,096.94	3/4	723.01	3/4	352.27	3/4	25.84	3/4	3/4	3/4	3/4	3/4	
9	2,213.11	9	1,838.42	9	1,463.73	9	1,089.15	9	715.20	9	344.82	9	21.32	9		9		9	
1/4	2,205.30	1/4	1,830.62	1/4	1,455.93	1/4	1,081.36	1/4	707.39	1/4	337.48	1/4	18.27	1/4	1/4	1/4	1/4	1/4	
1/2	2,197.50	1/2	1,822.81	1/2	1,448.12	1/2	1,073.58	1/2	699.58	1/2	330.13	1/2	15.22	1/2	1/2	1/2	1/2	1/2	
3/4	2,189.69	3/4	1,815.01	3/4	1,440.32	3/4	1,065.79	3/4	691.77	3/4	322.79	3/4	12.17	3/4	3/4	3/4	3/4	3/4	
10	2,181.88	10	1,807.20	10	1,432.51	10	1,058.00	10	683.96	10	315.44	10	9.12	10		10		10	
1/4	2,174.08	1/4	1,799.39	1/4	1,424.70	1/4	1,050.21	1/4	676.15	1/4	308.09	1/4		1/4	1/4	1/4	1/4	1/4	
1/2	2,166.27	1/2	1,791.59	1/2	1,416.90	1/2	1,042.43	1/2	668.34	1/2	300.75	1/2		1/2	1/2	1/2	1/2	1/2	
3/4	2,158.47	3/4	1,783.78	3/4	1,409.09	3/4	1,034.64	3/4	660.53	3/4	293.40	3/4		3/4	3/4	3/4	3/4	3/4	
11	2,150.66	11	1,775.97	11	1,401.28	11	1,026.85	11	652.72	11	286.05	11		11		11		11	
1/4	2,142.86	1/4	1,768.17	1/4	1,393.48	1/4	1,019.06	1/4	644.91	1/4	278.81	1/4		1/4	1/4	1/4	1/4	1/4	
1/2	2,135.05	1/2	1,760.36	1/2	1,385.67	1/2	1,011.28	1/2	637.10	1/2	271.58	1/2		1/2	1/2	1/2	1/2	1/2	
3/4	2,127.25	3/4	1,752.56	3/4	1,377.87	3/4	1,003.49	3/4	629.29	3/4	264.34	3/4		3/4	3/4	3/4	3/4	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/07/03 INS
RECALCULATED: 07/03/2020 SW
NAME CHANGE: 08/24/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

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



BARGE "LACB 116"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

FORMERLY "KIRBY 29323"

GAUGE HEIGHT 16'-10 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	4,976.13	0	4,626.09	0	4,265.42	0	3,904.17	0	3,542.91	0	3,181.68	0	2,820.43
1/4		1/4		1/4		1/4	4,968.99	1/4	4,618.65	1/4	4,257.90	1/4	3,896.65	1/4	3,535.39	1/4	3,174.15	1/4	2,812.91
1/2		1/2		1/2		1/2	4,961.85	1/2	4,611.20	1/2	4,250.37	1/2	3,889.12	1/2	3,527.87	1/2	3,166.62	1/2	2,805.38
3/4		3/4		3/4		3/4	4,954.67	3/4	4,603.72	3/4	4,242.84	3/4	3,881.60	3/4	3,520.35	3/4	3,159.10	3/4	2,797.85
1		1		1		1	4,947.50	1	4,596.23	1	4,235.32	1	3,874.07	1	3,512.82	1	3,151.57	1	2,790.32
1/4		1/4		1/4		1/4	4,940.32	1/4	4,588.75	1/4	4,227.79	1/4	3,866.55	1/4	3,505.30	1/4	3,144.05	1/4	2,782.80
1/2		1/2		1/2		1/2	4,933.14	1/2	4,581.26	1/2	4,220.26	1/2	3,859.02	1/2	3,497.77	1/2	3,136.52	1/2	2,775.27
3/4		3/4		3/4		3/4	4,925.96	3/4	4,573.78	3/4	4,212.74	3/4	3,851.49	3/4	3,490.24	3/4	3,129.00	3/4	2,767.74
2		2		2		2	4,918.78	2	4,566.29	2	4,205.21	2	3,843.97	2	3,482.72	2	3,121.47	2	2,760.22
1/4		1/4		1/4		1/4	4,911.60	1/4	4,558.81	1/4	4,197.69	1/4	3,836.44	1/4	3,475.19	1/4	3,113.95	1/4	2,752.69
1/2		1/2		1/2		1/2	4,904.42	1/2	4,551.32	1/2	4,190.16	1/2	3,828.91	1/2	3,467.66	1/2	3,106.42	1/2	2,745.17
3/4		3/4		3/4		3/4	4,897.21	3/4	4,543.82	3/4	4,182.64	3/4	3,821.39	3/4	3,460.14	3/4	3,098.89	3/4	2,737.64
3		3		3	5,146.87	3	4,889.99	3	4,536.31	3	4,175.11	3	3,813.86	3	3,452.61	3	3,091.37	3	2,730.11
1/4		1/4		1/4	5,146.82	1/4	4,882.78	1/4	4,528.81	1/4	4,167.59	1/4	3,806.34	1/4	3,445.09	1/4	3,083.84	1/4	2,722.59
1/2		1/2		1/2	5,146.76	1/2	4,875.56	1/2	4,521.30	1/2	4,160.06	1/2	3,798.81	1/2	3,437.56	1/2	3,076.31	1/2	2,715.06
3/4		3/4		3/4	5,145.97	3/4	4,868.30	3/4	4,513.78	3/4	4,152.53	3/4	3,791.28	3/4	3,430.04	3/4	3,068.79	3/4	2,707.53
4		4		4	5,145.19	4	4,861.05	4	4,506.25	4	4,145.01	4	3,783.76	4	3,422.51	4	3,061.26	4	2,700.01
1/4		1/4		1/4	5,144.40	1/4	4,853.79	1/4	4,498.73	1/4	4,137.48	1/4	3,776.23	1/4	3,414.99	1/4	3,053.74	1/4	2,692.48
1/2		1/2		1/2	5,143.61	1/2	4,846.54	1/2	4,491.20	1/2	4,129.95	1/2	3,768.70	1/2	3,407.46	1/2	3,046.21	1/2	2,684.96
3/4		3/4		3/4	5,141.45	3/4	4,839.29	3/4	4,483.68	3/4	4,122.43	3/4	3,761.18	3/4	3,399.93	3/4	3,038.68	3/4	2,677.43
5		5		5	5,139.30	5	4,832.04	5	4,476.15	5	4,114.90	5	3,753.65	5	3,392.41	5	3,031.16	5	2,669.91
1/4		1/4		1/4	5,137.14	1/4	4,824.78	1/4	4,468.63	1/4	4,107.38	1/4	3,746.13	1/4	3,384.88	1/4	3,023.63	1/4	2,662.38
1/2		1/2		1/2	5,134.98	1/2	4,817.53	1/2	4,461.10	1/2	4,099.85	1/2	3,738.60	1/2	3,377.35	1/2	3,016.10	1/2	2,654.86
3/4		3/4		3/4	5,131.42	3/4	4,810.24	3/4	4,453.57	3/4	4,092.32	3/4	3,731.08	3/4	3,369.83	3/4	3,008.58	3/4	2,647.33
6		6		6	5,127.85	6	4,802.95	6	4,446.05	6	4,084.80	6	3,723.55	6	3,362.30	6	3,001.05	6	2,639.80
1/4		1/4		1/4	5,124.29	1/4	4,795.65	1/4	4,438.52	1/4	4,077.27	1/4	3,716.03	1/4	3,354.78	1/4	2,993.53	1/4	2,632.28
1/2		1/2		1/2	5,120.72	1/2	4,788.36	1/2	4,430.99	1/2	4,069.74	1/2	3,708.50	1/2	3,347.25	1/2	2,986.00	1/2	2,624.75
3/4		3/4		3/4	5,115.75	3/4	4,781.03	3/4	4,423.47	3/4	4,062.22	3/4	3,700.97	3/4	3,339.72	3/4	2,978.48	3/4	2,617.22
7		7		7	5,110.78	7	4,773.70	7	4,415.94	7	4,054.69	7	3,693.43	7	3,332.20	7	2,970.95	7	2,609.70
1/4		1/4		1/4	5,105.81	1/4	4,766.37	1/4	4,408.42	1/4	4,047.17	1/4	3,685.90	1/4	3,324.67	1/4	2,963.43	1/4	2,602.17
1/2		1/2		1/2	5,100.84	1/2	4,759.04	1/2	4,400.89	1/2	4,039.64	1/2	3,678.36	1/2	3,317.14	1/2	2,955.90	1/2	2,594.65
3/4		3/4		3/4	5,094.50	3/4	4,751.71	3/4	4,393.36	3/4	4,032.12	3/4	3,670.84	3/4	3,309.62	3/4	2,948.37	3/4	2,587.12
8		8		8	5,088.16	8	4,744.38	8	4,385.84	8	4,024.59	8	3,663.33	8	3,302.09	8	2,940.85	8	2,579.59
1/4		1/4		1/4	5,081.82	1/4	4,737.05	1/4	4,378.31	1/4	4,017.07	1/4	3,655.81	1/4	3,294.57	1/4	2,933.32	1/4	2,572.07
1/2		1/2		1/2	5,075.48	1/2	4,729.72	1/2	4,370.78	1/2	4,009.54	1/2	3,648.29	1/2	3,287.04	1/2	2,925.79	1/2	2,564.54
3/4		3/4		3/4	5,068.42	3/4	4,722.35	3/4	4,363.26	3/4	4,002.01	3/4	3,640.76	3/4	3,279.52	3/4	2,918.27	3/4	2,557.01
9		9		9	5,061.35	9	4,714.98	9	4,355.73	9	3,994.49	9	3,633.24	9	3,271.99	9	2,910.74	9	2,549.49
1/4		1/4		1/4	5,054.29	1/4	4,707.61	1/4	4,348.21	1/4	3,986.96	1/4	3,625.71	1/4	3,264.47	1/4	2,903.22	1/4	2,541.96
1/2		1/2		1/2	5,047.22	1/2	4,700.24	1/2	4,340.68	1/2	3,979.43	1/2	3,618.18	1/2	3,256.94	1/2	2,895.69	1/2	2,534.44
3/4		3/4		3/4	5,040.12	3/4	4,692.83	3/4	4,333.16	3/4	3,971.91	3/4	3,610.66	3/4	3,249.41	3/4	2,888.16	3/4	2,526.91
10		10		10	5,033.02	10	4,685.43	10	4,325.63	10	3,964.38	10	3,603.13	10	3,241.89	10	2,880.64	10	2,519.39
1/4		1/4		1/4	5,025.92	1/4	4,678.02	1/4	4,318.11	1/4	3,956.86	1/4	3,595.61	1/4	3,234.36	1/4	2,873.11	1/4	2,511.86
1/2		1/2		1/2	5,018.82	1/2	4,670.61	1/2	4,310.58	1/2	3,949.33	1/2	3,588.08	1/2	3,226.83	1/2	2,865.58	1/2	2,504.34
3/4		3/4		3/4	5,011.72	3/4	4,663.20	3/4	4,303.05	3/4	3,941.80	3/4	3,580.55	3/4	3,219.31	3/4	2,858.06	3/4	2,496.81
11		11		11	5,004.62	11	4,655.80	11	4,295.53	11	3,934.28	11	3,573.01	11	3,211.78	11	2,850.54	11	2,489.28
1/4		1/4		1/4	4,997.51	1/4	4,648.39	1/4	4,288.00	1/4	3,926.75	1/4	3,565.48	1/4	3,204.26	1/4	2,843.01	1/4	2,481.76
1/2		1/2		1/2	4,990.41	1/2	4,640.98	1/2	4,280.47	1/2	3,919.22	1/2	3,557.94	1/2	3,196.73	1/2	2,835.49	1/2	2,474.23
3/4		3/4		3/4	4,983.27	3/4	4,633.54	3/4	4,272.95	3/4	3,911.70	3/4	3,550.42	3/4	3,189.20	3/4	2,827.96	3/4	2,466.70

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" GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 46'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "LACB 116"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

FORMERLY "KIRBY 29323"

GAUGE HEIGHT 16'-10 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	2,459.18	0	2,097.93	0	1,736.68	0	1,375.43	0	1,014.60	0	654.25	0	293.19	0		0		0	
1/4	2,451.65	1/4	2,090.40	1/4	1,729.16	1/4	1,367.91	1/4	1,007.10	1/4	646.73	1/4	285.67	1/4		1/4		1/4	
1/2	2,444.13	1/2	2,082.88	1/2	1,721.63	1/2	1,360.38	1/2	999.60	1/2	639.21	1/2	278.15	1/2		1/2		1/2	
3/4	2,436.60	3/4	2,075.35	3/4	1,714.10	3/4	1,352.85	3/4	992.10	3/4	631.69	3/4	270.63	3/4		3/4		3/4	
1	2,429.07	1	2,067.83	1	1,706.58	1	1,345.33	1	984.60	1	624.16	1	263.10	1		1		1	
1/4	2,421.55	1/4	2,060.30	1/4	1,699.05	1/4	1,337.80	1/4	977.10	1/4	616.64	1/4	255.58	1/4		1/4		1/4	
1/2	2,414.02	1/2	2,052.78	1/2	1,691.53	1/2	1,330.28	1/2	969.60	1/2	609.12	1/2	248.06	1/2		1/2		1/2	
3/4	2,406.49	3/4	2,045.25	3/4	1,684.00	3/4	1,322.75	3/4	962.10	3/4	601.60	3/4	240.54	3/4		3/4		3/4	
2	2,398.97	2	2,037.72	2	1,676.47	2	1,315.23	2	954.60	2	594.07	2	233.02	2		2		2	
1/4	2,391.44	1/4	2,030.20	1/4	1,668.95	1/4	1,307.70	1/4	947.10	1/4	586.55	1/4	225.50	1/4		1/4		1/4	
1/2	2,383.92	1/2	2,022.67	1/2	1,661.42	1/2	1,300.18	1/2	939.60	1/2	579.03	1/2	217.98	1/2		1/2		1/2	
3/4	2,376.39	3/4	2,015.14	3/4	1,653.89	3/4	1,292.65	3/4	932.10	3/4	571.51	3/4	210.46	3/4		3/4		3/4	
3	2,368.87	3	2,007.62	3	1,646.37	3	1,285.12	3	924.60	3	563.98	3	202.93	3		3		3	
1/4	2,361.34	1/4	2,000.09	1/4	1,638.84	1/4	1,277.60	1/4	917.10	1/4	556.46	1/4	195.41	1/4		1/4		1/4	
1/2	2,353.82	1/2	1,992.57	1/2	1,631.32	1/2	1,270.07	1/2	909.60	1/2	548.94	1/2	187.89	1/2		1/2		1/2	
3/4	2,346.29	3/4	1,985.04	3/4	1,623.79	3/4	1,262.54	3/4	902.10	3/4	541.42	3/4	180.37	3/4		3/4		3/4	
4	2,338.76	4	1,977.51	4	1,616.27	4	1,255.02	4	894.60	4	533.90	4	172.84	4		4		4	
1/4	2,331.24	1/4	1,969.99	1/4	1,608.74	1/4	1,247.49	1/4	887.10	1/4	526.38	1/4	165.32	1/4		1/4		1/4	
1/2	2,323.71	1/2	1,962.46	1/2	1,601.22	1/2	1,239.97	1/2	879.60	1/2	518.86	1/2	157.80	1/2		1/2		1/2	
3/4	2,316.18	3/4	1,954.93	3/4	1,593.69	3/4	1,232.44	3/4	872.10	3/4	511.34	3/4	150.29	3/4		3/4		3/4	
5	2,308.66	5	1,947.41	5	1,586.16	5	1,224.91	5	864.60	5	503.81	5	142.78	5		5		5	
1/4	2,301.13	1/4	1,939.88	1/4	1,578.64	1/4	1,217.39	1/4	857.10	1/4	496.29	1/4	135.27	1/4		1/4		1/4	
1/2	2,293.61	1/2	1,932.36	1/2	1,571.11	1/2	1,209.86	1/2	849.60	1/2	488.77	1/2	127.76	1/2		1/2		1/2	
3/4	2,286.08	3/4	1,924.83	3/4	1,563.58	3/4	1,202.33	3/4	842.10	3/4	481.25	3/4	120.26	3/4		3/4		3/4	
6	2,278.55	6	1,917.31	6	1,556.06	6	1,194.81	6	834.60	6	473.72	6	112.76	6		6		6	
1/4	2,271.03	1/4	1,909.78	1/4	1,548.53	1/4	1,187.28	1/4	827.10	1/4	466.20	1/4	105.26	1/4		1/4		1/4	
1/2	2,263.50	1/2	1,902.26	1/2	1,541.01	1/2	1,179.76	1/2	819.60	1/2	458.68	1/2	97.76	1/2		1/2		1/2	
3/4	2,255.97	3/4	1,894.73	3/4	1,533.48	3/4	1,172.23	3/4	812.10	3/4	451.16	3/4	90.26	3/4		3/4		3/4	
7	2,248.45	7	1,887.20	7	1,525.95	7	1,164.71	7	804.60	7	443.63	7	82.76	7		7		7	
1/4	2,240.92	1/4	1,879.68	1/4	1,518.43	1/4	1,157.18	1/4	797.10	1/4	436.11	1/4	75.26	1/4		1/4		1/4	
1/2	2,233.40	1/2	1,872.15	1/2	1,510.90	1/2	1,149.66	1/2	789.60	1/2	428.59	1/2	67.76	1/2		1/2		1/2	
3/4	2,225.87	3/4	1,864.62	3/4	1,503.37	3/4	1,142.14	3/4	782.09	3/4	421.07	3/4	61.30	3/4		3/4		3/4	
8	2,218.35	8	1,857.10	8	1,495.85	8	1,134.63	8	774.58	8	413.54	8	54.85	8		8		8	
1/4	2,210.82	1/4	1,849.57	1/4	1,488.32	1/4	1,127.11	1/4	767.07	1/4	406.02	1/4	48.39	1/4		1/4		1/4	
1/2	2,203.30	1/2	1,842.05	1/2	1,480.80	1/2	1,119.60	1/2	759.56	1/2	398.50	1/2	41.94	1/2		1/2		1/2	
3/4	2,195.77	3/4	1,834.52	3/4	1,473.27	3/4	1,112.10	3/4	752.04	3/4	390.98	3/4	36.95	3/4		3/4		3/4	
9	2,188.24	9	1,826.99	9	1,465.75	9	1,104.60	9	744.51	9	383.46	9	31.96	9		9		9	
1/4	2,180.72	1/4	1,819.47	1/4	1,458.22	1/4	1,097.10	1/4	736.99	1/4	375.94	1/4	26.97	1/4		1/4		1/4	
1/2	2,173.19	1/2	1,811.94	1/2	1,450.70	1/2	1,089.60	1/2	729.47	1/2	368.42	1/2	21.98	1/2		1/2		1/2	
3/4	2,165.66	3/4	1,804.41	3/4	1,443.17	3/4	1,082.10	3/4	721.95	3/4	360.90	3/4	18.65	3/4		3/4		3/4	
10	2,158.14	10	1,796.89	10	1,435.64	10	1,074.60	10	714.42	10	353.37	10	15.32	10		10		10	
1/4	2,150.61	1/4	1,789.36	1/4	1,428.12	1/4	1,067.10	1/4	706.90	1/4	345.85	1/4	12.00	1/4		1/4		1/4	
1/2	2,143.09	1/2	1,781.84	1/2	1,420.59	1/2	1,059.60	1/2	699.38	1/2	338.33	1/2	8.67	1/2		1/2		1/2	
3/4	2,135.56	3/4	1,774.31	3/4	1,413.06	3/4	1,052.10	3/4	691.86	3/4	330.81	3/4		3/4		3/4		3/4	
11	2,128.03	11	1,766.79	11	1,405.54	11	1,044.60	11	684.34	11	323.28	11		11		11		11	
1/4	2,120.51	1/4	1,759.26	1/4	1,398.01	1/4	1,037.10	1/4	676.82	1/4	315.76	1/4		1/4		1/4		1/4	
1/2	2,112.98	1/2	1,751.74	1/2	1,390.49	1/2	1,029.60	1/2	669.30	1/2	308.24	1/2		1/2		1/2		1/2	
3/4	2,105.45	3/4	1,744.21	3/4	1,382.96	3/4	1,022.10	3/4	661.78	3/4	300.72	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/07/03 INS
RECALCULATED: 07/03/2020 SW
NAME CHANGE: 08/24/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

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



BARGE "LACB 116"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

FORMERLY "KIRBY 29323"

GAUGE HEIGHT 16'-10 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,968.99	0	4,618.65	0	4,257.90	0	3,896.65	0	3,535.39	0	3,174.15	0	2,812.91
1/4		1/4		1/4		1/4	4,961.85	1/4	4,611.20	1/4	4,250.37	1/4	3,889.12	1/4	3,527.87	1/4	3,166.62	1/4	2,805.38
1/2		1/2		1/2		1/2	4,954.67	1/2	4,603.72	1/2	4,242.84	1/2	3,881.60	1/2	3,520.35	1/2	3,159.10	1/2	2,797.85
3/4		3/4		3/4		3/4	4,947.50	3/4	4,596.23	3/4	4,235.32	3/4	3,874.07	3/4	3,512.82	3/4	3,151.57	3/4	2,790.32
1		1		1		1	4,940.32	1	4,588.75	1	4,227.79	1	3,866.55	1	3,505.30	1	3,144.05	1	2,782.80
1/4		1/4		1/4		1/4	4,933.14	1/4	4,581.26	1/4	4,220.26	1/4	3,859.02	1/4	3,497.77	1/4	3,136.52	1/4	2,775.27
1/2		1/2		1/2		1/2	4,925.96	1/2	4,573.78	1/2	4,212.74	1/2	3,851.49	1/2	3,490.24	1/2	3,129.00	1/2	2,767.74
3/4		3/4		3/4		3/4	4,918.78	3/4	4,566.29	3/4	4,205.21	3/4	3,843.97	3/4	3,482.72	3/4	3,121.47	3/4	2,760.22
2		2		2		2	4,911.60	2	4,558.81	2	4,197.69	2	3,836.44	2	3,475.19	2	3,113.95	2	2,752.69
1/4		1/4		1/4		1/4	4,904.42	1/4	4,551.32	1/4	4,190.16	1/4	3,828.91	1/4	3,467.66	1/4	3,106.42	1/4	2,745.17
1/2		1/2		1/2		1/2	4,897.21	1/2	4,543.82	1/2	4,182.64	1/2	3,821.39	1/2	3,460.14	1/2	3,098.89	1/2	2,737.64
3/4		3/4		3/4		3/4	5,146.87	3/4	4,889.99	3/4	4,536.31	3/4	4,175.11	3/4	3,813.86	3/4	3,452.61	3/4	2,730.11
3		3		3		3	5,146.82	3	4,882.78	3	4,528.81	3	4,167.59	3	3,806.34	3	3,445.09	3	2,722.59
1/4		1/4		1/4		1/4	5,146.76	1/4	4,875.56	1/4	4,521.30	1/4	3,798.81	1/4	3,437.56	1/4	3,076.31	1/4	2,715.06
1/2		1/2		1/2		1/2	5,145.97	1/2	4,868.30	1/2	4,513.78	1/2	3,791.28	1/2	3,430.04	1/2	3,068.79	1/2	2,707.53
3/4		3/4		3/4		3/4	5,145.19	3/4	4,861.05	3/4	4,506.25	3/4	3,783.76	3/4	3,422.51	3/4	3,061.26	3/4	2,700.01
4		4		4		4	5,144.40	4	4,853.79	4	4,498.73	4	3,776.23	4	3,414.99	4	3,053.74	4	2,692.48
1/4		1/4		1/4		1/4	5,143.61	1/4	4,846.54	1/4	4,491.20	1/4	3,768.70	1/4	3,407.46	1/4	3,046.21	1/4	2,684.96
1/2		1/2		1/2		1/2	5,141.45	1/2	4,839.29	1/2	4,483.68	1/2	3,761.18	1/2	3,399.93	1/2	3,038.68	1/2	2,677.43
3/4		3/4		3/4		3/4	5,139.30	3/4	4,832.04	3/4	4,476.15	3/4	3,753.65	3/4	3,392.41	3/4	3,031.16	3/4	2,669.91
5		5		5		5	5,137.14	5	4,824.78	5	4,468.63	5	3,746.13	5	3,384.88	5	3,023.63	5	2,662.38
1/4		1/4		1/4		1/4	5,134.98	1/4	4,817.53	1/4	4,461.10	1/4	3,738.60	1/4	3,377.35	1/4	3,016.10	1/4	2,654.86
1/2		1/2		1/2		1/2	5,131.42	1/2	4,810.24	1/2	4,453.57	1/2	3,731.08	1/2	3,369.83	1/2	3,008.58	1/2	2,647.33
3/4		3/4		3/4		3/4	5,127.85	3/4	4,802.95	3/4	4,446.05	3/4	3,723.55	3/4	3,362.30	3/4	3,001.05	3/4	2,639.80
6		6		6		6	5,124.29	6	4,795.65	6	4,438.52	6	3,716.03	6	3,354.78	6	2,993.53	6	2,632.28
1/4		1/4		1/4		1/4	5,120.72	1/4	4,788.36	1/4	4,430.99	1/4	3,708.50	1/4	3,347.25	1/4	2,986.00	1/4	2,624.75
1/2		1/2		1/2		1/2	5,115.75	1/2	4,781.03	1/2	4,423.47	1/2	3,700.97	1/2	3,339.72	1/2	2,978.48	1/2	2,617.22
3/4		3/4		3/4		3/4	5,110.78	3/4	4,773.70	3/4	4,415.94	3/4	3,693.43	3/4	3,332.20	3/4	2,970.95	3/4	2,609.70
7		7		7		7	5,105.81	7	4,766.37	7	4,408.42	7	3,685.90	7	3,324.67	7	2,963.43	7	2,602.17
1/4		1/4		1/4		1/4	5,100.84	1/4	4,759.04	1/4	4,400.89	1/4	3,678.36	1/4	3,317.14	1/4	2,955.90	1/4	2,594.65
1/2		1/2		1/2		1/2	5,094.50	1/2	4,751.71	1/2	4,393.36	1/2	3,670.84	1/2	3,309.62	1/2	2,948.37	1/2	2,587.12
3/4		3/4		3/4		3/4	5,088.16	3/4	4,744.38	3/4	4,385.84	3/4	3,663.33	3/4	3,302.09	3/4	2,940.85	3/4	2,579.59
8		8		8		8	5,081.82	8	4,737.05	8	4,378.31	8	3,655.81	8	3,294.57	8	2,933.32	8	2,572.07
1/4		1/4		1/4		1/4	5,075.48	1/4	4,729.72	1/4	4,370.78	1/4	3,648.29	1/4	3,287.04	1/4	2,925.79	1/4	2,564.54
1/2		1/2		1/2		1/2	5,068.42	1/2	4,722.35	1/2	4,363.26	1/2	3,640.76	1/2	3,279.52	1/2	2,918.27	1/2	2,557.01
3/4		3/4		3/4		3/4	5,061.35	3/4	4,714.98	3/4	4,355.73	3/4	3,633.24	3/4	3,271.99	3/4	2,910.74	3/4	2,549.49
9		9		9		9	5,054.29	9	4,707.61	9	4,348.21	9	3,986.96	9	3,262.71	9	2,903.22	9	2,541.96
1/4		1/4		1/4		1/4	5,047.22	1/4	4,700.24	1/4	4,340.68	1/4	3,979.43	1/4	3,256.94	1/4	2,895.69	1/4	2,534.44
1/2		1/2		1/2		1/2	5,040.12	1/2	4,692.83	1/2	4,333.16	1/2	3,971.91	1/2	3,249.41	1/2	2,888.16	1/2	2,526.91
3/4		3/4		3/4		3/4	5,033.02	3/4	4,685.43	3/4	4,325.63	3/4	3,964.38	3/4	3,241.89	3/4	2,880.64	3/4	2,519.39
10		10		10		10	5,025.92	10	4,678.02	10	4,318.11	10	3,956.86	10	3,234.36	10	2,873.11	10	2,511.86
1/4		1/4		1/4		1/4	5,018.82	1/4	4,670.61	1/4	4,310.58	1/4	3,949.33	1/4	3,226.83	1/4	2,865.58	1/4	2,504.34
1/2		1/2		1/2		1/2	5,011.72	1/2	4,663.20	1/2	4,303.05	1/2	3,941.80	1/2	3,219.31	1/2	2,858.06	1/2	2,496.81
3/4		3/4		3/4		3/4	5,004.62	3/4	4,655.80	3/4	4,295.53	3/4	3,934.28	3/4	3,211.78	3/4	2,850.54	3/4	2,489.28
11		11		11		11	4,997.51	11	4,648.39	11	4,288.00	11	3,926.75	11	3,204.26	11	2,843.01	11	2,481.76
1/4		1/4		1/4		1/4	4,990.41	1/4	4,640.98	1/4	4,280.47	1/4	3,919.22	1/4	3,196.73	1/4	2,835.49	1/4	2,474.23
1/2		1/2		1/2		1/2	4,983.27	1/2	4,633.54	1/2	4,272.95	1/2	3,911.70	1/2	3,189.20	1/2	2,827.96	1/2	2,466.70
3/4		3/4		3/4		3/4	4,976.13	3/4	4,626.09	3/4	4,265.42	3/4	3,904.17	3/4	3,181.68	3/4	2,820.43	3/4	2,459.18

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" GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 46'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "LACB 116"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

FORMERLY "KIRBY 29323"

GAUGE HEIGHT 16'-10 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	2,451.65	0	2,090.40	0	1,729.16	0	1,367.91	0	1,007.10	0	646.73	0	285.67	0		0		0	
1/4	2,444.13	1/4	2,082.88	1/4	1,721.63	1/4	1,360.38	1/4	999.60	1/4	639.21	1/4	278.15	1/4	1/4	1/4	1/4	1/4	
1/2	2,436.60	1/2	2,075.35	1/2	1,714.10	1/2	1,352.85	1/2	992.10	1/2	631.69	1/2	270.63	1/2	1/2	1/2	1/2	1/2	
3/4	2,429.07	3/4	2,067.83	3/4	1,706.58	3/4	1,345.33	3/4	984.60	3/4	624.16	3/4	263.10	3/4	3/4	3/4	3/4	3/4	
1	2,421.55	1	2,060.30	1	1,699.05	1	1,337.80	1	977.10	1	616.64	1	255.58	1		1		1	
1/4	2,414.02	1/4	2,052.78	1/4	1,691.53	1/4	1,330.28	1/4	969.60	1/4	609.12	1/4	248.06	1/4	1/4	1/4	1/4	1/4	
1/2	2,406.49	1/2	2,045.25	1/2	1,684.00	1/2	1,322.75	1/2	962.10	1/2	601.60	1/2	240.54	1/2	1/2	1/2	1/2	1/2	
3/4	2,398.97	3/4	2,037.72	3/4	1,676.47	3/4	1,315.23	3/4	954.60	3/4	594.07	3/4	233.02	3/4	3/4	3/4	3/4	3/4	
2	2,391.44	2	2,030.20	2	1,668.95	2	1,307.70	2	947.10	2	586.55	2	225.50	2		2		2	
1/4	2,383.92	1/4	2,022.67	1/4	1,661.42	1/4	1,300.18	1/4	939.60	1/4	579.03	1/4	217.98	1/4	1/4	1/4	1/4	1/4	
1/2	2,376.39	1/2	2,015.14	1/2	1,653.89	1/2	1,292.65	1/2	932.10	1/2	571.51	1/2	210.46	1/2	1/2	1/2	1/2	1/2	
3/4	2,368.87	3/4	2,007.62	3/4	1,646.37	3/4	1,285.12	3/4	924.60	3/4	563.98	3/4	202.93	3/4	3/4	3/4	3/4	3/4	
3	2,361.34	3	2,000.09	3	1,638.84	3	1,277.60	3	917.10	3	556.46	3	195.41	3		3		3	
1/4	2,353.82	1/4	1,992.57	1/4	1,631.32	1/4	1,270.07	1/4	909.60	1/4	548.94	1/4	187.89	1/4	1/4	1/4	1/4	1/4	
1/2	2,346.29	1/2	1,985.04	1/2	1,623.79	1/2	1,262.54	1/2	902.10	1/2	541.42	1/2	180.37	1/2	1/2	1/2	1/2	1/2	
3/4	2,338.76	3/4	1,977.51	3/4	1,616.27	3/4	1,255.02	3/4	894.60	3/4	533.90	3/4	172.84	3/4	3/4	3/4	3/4	3/4	
4	2,331.24	4	1,969.99	4	1,608.74	4	1,247.49	4	887.10	4	526.38	4	165.32	4		4		4	
1/4	2,323.71	1/4	1,962.46	1/4	1,601.22	1/4	1,239.97	1/4	879.60	1/4	518.86	1/4	157.80	1/4	1/4	1/4	1/4	1/4	
1/2	2,316.18	1/2	1,954.93	1/2	1,593.69	1/2	1,232.44	1/2	872.10	1/2	511.34	1/2	150.29	1/2	1/2	1/2	1/2	1/2	
3/4	2,308.66	3/4	1,947.41	3/4	1,586.16	3/4	1,224.91	3/4	864.60	3/4	503.81	3/4	142.78	3/4	3/4	3/4	3/4	3/4	
5	2,301.13	5	1,939.88	5	1,578.64	5	1,217.39	5	857.10	5	496.29	5	135.27	5		5		5	
1/4	2,293.61	1/4	1,932.36	1/4	1,571.11	1/4	1,209.86	1/4	849.60	1/4	488.77	1/4	127.76	1/4	1/4	1/4	1/4	1/4	
1/2	2,286.08	1/2	1,924.83	1/2	1,563.58	1/2	1,202.33	1/2	842.10	1/2	481.25	1/2	120.26	1/2	1/2	1/2	1/2	1/2	
3/4	2,278.55	3/4	1,917.31	3/4	1,556.06	3/4	1,194.81	3/4	834.60	3/4	473.72	3/4	112.76	3/4	3/4	3/4	3/4	3/4	
6	2,271.03	6	1,909.78	6	1,548.53	6	1,187.28	6	827.10	6	466.20	6	105.26	6		6		6	
1/4	2,263.50	1/4	1,902.26	1/4	1,541.01	1/4	1,179.76	1/4	819.60	1/4	458.68	1/4	97.76	1/4	1/4	1/4	1/4	1/4	
1/2	2,255.97	1/2	1,894.73	1/2	1,533.48	1/2	1,172.23	1/2	812.10	1/2	451.16	1/2	90.26	1/2	1/2	1/2	1/2	1/2	
3/4	2,248.45	3/4	1,887.20	3/4	1,525.95	3/4	1,164.71	3/4	804.60	3/4	443.63	3/4	82.76	3/4	3/4	3/4	3/4	3/4	
7	2,240.92	7	1,879.68	7	1,518.43	7	1,157.18	7	797.10	7	436.11	7	75.26	7		7		7	
1/4	2,233.40	1/4	1,872.15	1/4	1,510.90	1/4	1,149.66	1/4	789.60	1/4	428.59	1/4	67.76	1/4	1/4	1/4	1/4	1/4	
1/2	2,225.87	1/2	1,864.62	1/2	1,503.37	1/2	1,142.14	1/2	782.09	1/2	421.07	1/2	61.30	1/2	1/2	1/2	1/2	1/2	
3/4	2,218.35	3/4	1,857.10	3/4	1,495.85	3/4	1,134.63	3/4	774.58	3/4	413.54	3/4	54.85	3/4	3/4	3/4	3/4	3/4	
8	2,210.82	8	1,849.57	8	1,488.32	8	1,127.11	8	767.07	8	406.02	8	48.39	8		8		8	
1/4	2,203.30	1/4	1,842.05	1/4	1,480.80	1/4	1,119.60	1/4	759.56	1/4	398.50	1/4	41.94	1/4	1/4	1/4	1/4	1/4	
1/2	2,195.77	1/2	1,834.52	1/2	1,473.27	1/2	1,112.10	1/2	752.04	1/2	390.98	1/2	36.95	1/2	1/2	1/2	1/2	1/2	
3/4	2,188.24	3/4	1,826.99	3/4	1,465.75	3/4	1,104.60	3/4	744.51	3/4	383.46	3/4	31.96	3/4	3/4	3/4	3/4	3/4	
9	2,180.72	9	1,819.47	9	1,458.22	9	1,097.10	9	736.99	9	375.94	9	26.97	9		9		9	
1/4	2,173.19	1/4	1,811.94	1/4	1,450.70	1/4	1,089.60	1/4	729.47	1/4	368.42	1/4	21.98	1/4	1/4	1/4	1/4	1/4	
1/2	2,165.66	1/2	1,804.41	1/2	1,443.17	1/2	1,082.10	1/2	721.95	1/2	360.90	1/2	18.65	1/2	1/2	1/2	1/2	1/2	
3/4	2,158.14	3/4	1,796.89	3/4	1,435.64	3/4	1,074.60	3/4	714.42	3/4	353.37	3/4	15.32	3/4	3/4	3/4	3/4	3/4	
10	2,150.61	10	1,789.36	10	1,428.12	10	1,067.10	10	706.90	10	345.85	10	12.00	10		10		10	
1/4	2,143.09	1/4	1,781.84	1/4	1,420.59	1/4	1,059.60	1/4	699.38	1/4	338.33	1/4	8.67	1/4	1/4	1/4	1/4	1/4	
1/2	2,135.56	1/2	1,774.31	1/2	1,413.06	1/2	1,052.10	1/2	691.86	1/2	330.81	1/2		1/2	1/2	1/2	1/2	1/2	
3/4	2,128.03	3/4	1,766.79	3/4	1,405.54	3/4	1,044.60	3/4	684.34	3/4	323.28	3/4		3/4	3/4	3/4	3/4	3/4	
11	2,120.51	11	1,759.26	11	1,398.01	11	1,037.10	11	676.82	11	315.76	11		11		11		11	
1/4	2,112.98	1/4	1,751.74	1/4	1,390.49	1/4	1,029.60	1/4	669.30	1/4	308.24	1/4		1/4	1/4	1/4	1/4	1/4	
1/2	2,105.45	1/2	1,744.21	1/2	1,382.96	1/2	1,022.10	1/2	661.78	1/2	300.72	1/2		1/2	1/2	1/2	1/2	1/2	
3/4	2,097.93	3/4	1,736.68	3/4	1,375.43	3/4	1,014.60	3/4	654.25	3/4	293.19	3/4		3/4	3/4	3/4	3/4	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/07/03 INS
RECALCULATED: 07/03/2020 SW
NAME CHANGE: 08/24/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "LACB 116"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

FORMERLY "KIRBY 29323"

GAUGE HEIGHT 16'-10 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,694.19	0	4,445.64	0	4,188.82	0	3,931.64	0	3,640.86	0	3,269.15	0	2,897.43
1/4		1/4		1/4		1/4	4,689.14	1/4	4,440.34	1/4	4,183.46	1/4	3,926.28	1/4	3,633.11	1/4	3,261.40	1/4	2,889.69
1/2		1/2		1/2		1/2	4,684.06	1/2	4,435.01	1/2	4,178.10	1/2	3,920.92	1/2	3,625.37	1/2	3,253.66	1/2	2,881.95
3/4		3/4		3/4		3/4	4,678.98	3/4	4,429.69	3/4	4,172.75	3/4	3,915.56	3/4	3,617.63	3/4	3,245.91	3/4	2,874.20
1		1		1		1	4,673.90	1	4,424.36	1	4,167.39	1	3,910.20	1	3,609.88	1	3,238.17	1	2,866.46
1/4		1/4		1/4		1/4	4,668.82	1/4	4,419.03	1/4	4,162.03	1/4	3,904.84	1/4	3,602.14	1/4	3,230.42	1/4	2,858.71
1/2		1/2		1/2		1/2	4,663.74	1/2	4,413.70	1/2	4,156.67	1/2	3,899.48	1/2	3,594.40	1/2	3,222.68	1/2	2,850.97
3/4		3/4		3/4		3/4	4,658.66	3/4	4,408.38	3/4	4,151.32	3/4	3,894.13	3/4	3,586.65	3/4	3,214.94	3/4	2,843.23
2		2		2		2	4,653.58	2	4,403.05	2	4,145.96	2	3,888.77	2	3,578.91	2	3,207.19	2	2,835.48
1/4		1/4		1/4		1/4	4,648.50	1/4	4,397.72	1/4	4,140.60	1/4	3,883.41	1/4	3,571.16	1/4	3,199.45	1/4	2,827.74
1/2		1/2		1/2		1/2	4,643.39	1/2	4,392.38	1/2	4,135.24	1/2	3,878.05	1/2	3,563.42	1/2	3,191.71	1/2	2,820.00
3/4		3/4		3/4		3/4	4,819.17	3/4	4,638.28	3/4	4,387.04	3/4	4,129.88	3/4	3,872.70	3/4	3,555.67	3/4	3,183.96
3		3		3		3	4,819.17	3	4,633.17	3	4,381.69	3	4,124.52	3	3,867.34	3	3,547.93	3	3,176.22
1/4		1/4		1/4		1/4	4,819.16	1/4	4,628.06	1/4	4,376.35	1/4	4,119.16	1/4	3,861.98	1/4	3,540.18	1/4	3,168.47
1/2		1/2		1/2		1/2	4,818.66	1/2	4,622.92	1/2	4,370.99	1/2	4,113.80	1/2	3,856.62	1/2	3,532.44	1/2	3,160.73
3/4		3/4		3/4		3/4	4,818.15	3/4	4,617.78	3/4	4,365.64	3/4	4,108.45	3/4	3,851.27	3/4	3,524.70	3/4	3,152.99
4		4		4		4	4,817.65	4	4,612.63	4	4,360.28	4	4,103.09	4	3,845.91	4	3,516.95	4	3,145.24
1/4		1/4		1/4		1/4	4,817.14	1/4	4,607.49	1/4	4,354.92	1/4	4,097.73	1/4	3,840.55	1/4	3,509.21	1/4	3,137.50
1/2		1/2		1/2		1/2	4,815.66	1/2	4,602.35	1/2	4,349.56	1/2	4,092.37	1/2	3,835.19	1/2	3,501.47	1/2	3,129.76
3/4		3/4		3/4		3/4	4,814.18	3/4	4,597.21	3/4	4,344.20	3/4	4,087.02	3/4	3,829.84	3/4	3,493.72	3/4	3,122.01
5		5		5		5	4,812.70	5	4,592.06	5	4,338.84	5	4,081.66	5	3,824.48	5	3,485.98	5	3,114.27
1/4		1/4		1/4		1/4	4,811.22	1/4	4,586.92	1/4	4,333.48	1/4	4,076.30	1/4	3,819.12	1/4	3,478.23	1/4	3,106.52
1/2		1/2		1/2		1/2	4,808.73	1/2	4,581.75	1/2	4,328.12	1/2	4,070.94	1/2	3,813.71	1/2	3,470.49	1/2	3,098.78
3/4		3/4		3/4		3/4	4,806.25	3/4	4,576.58	3/4	4,322.77	3/4	4,065.59	3/4	3,808.29	3/4	3,462.75	3/4	3,091.03
6		6		6		6	4,803.76	6	4,571.40	6	4,317.41	6	4,060.23	6	3,802.88	6	3,455.00	6	3,083.29
1/4		1/4		1/4		1/4	4,801.27	1/4	4,566.23	1/4	4,312.05	1/4	4,054.87	1/4	3,797.46	1/4	3,447.26	1/4	3,075.54
1/2		1/2		1/2		1/2	4,797.78	1/2	4,561.03	1/2	4,306.69	1/2	4,049.51	1/2	3,791.67	1/2	3,439.52	1/2	3,067.80
3/4		3/4		3/4		3/4	4,794.29	3/4	4,555.83	3/4	4,301.34	3/4	4,044.16	3/4	3,785.87	3/4	3,431.77	3/4	3,060.06
7		7		7		7	4,790.79	7	4,550.62	7	4,295.98	7	4,038.80	7	3,780.08	7	3,424.03	7	3,052.31
1/4		1/4		1/4		1/4	4,787.30	1/4	4,545.42	1/4	4,290.62	1/4	4,033.44	1/4	3,774.28	1/4	3,416.28	1/4	3,044.57
1/2		1/2		1/2		1/2	4,782.83	1/2	4,540.22	1/2	4,285.26	1/2	4,028.08	1/2	3,768.05	1/2	3,408.54	1/2	3,036.83
3/4		3/4		3/4		3/4	4,778.37	3/4	4,535.01	3/4	4,279.91	3/4	4,022.72	3/4	3,761.82	3/4	3,400.79	3/4	3,029.08
8		8		8		8	4,773.90	8	4,529.81	8	4,274.55	8	4,017.36	8	3,755.58	8	3,393.05	8	3,021.34
1/4		1/4		1/4		1/4	4,769.43	1/4	4,524.60	1/4	4,269.19	1/4	4,012.00	1/4	3,749.35	1/4	3,385.30	1/4	3,013.59
1/2		1/2		1/2		1/2	4,764.44	1/2	4,519.37	1/2	4,263.83	1/2	4,006.64	1/2	3,742.68	1/2	3,377.56	1/2	3,005.85
3/4		3/4		3/4		3/4	4,759.46	3/4	4,514.13	3/4	4,258.48	3/4	4,001.29	3/4	3,736.02	3/4	3,369.82	3/4	2,998.11
9		9		9		9	4,754.47	9	4,508.90	9	4,253.12	9	3,995.93	9	3,729.35	9	3,362.07	9	2,990.36
1/4		1/4		1/4		1/4	4,749.48	1/4	4,503.66	1/4	4,247.76	1/4	3,990.57	1/4	3,722.68	1/4	3,354.33	1/4	2,982.62
1/2		1/2		1/2		1/2	4,744.46	1/2	4,498.40	1/2	4,242.40	1/2	3,985.21	1/2	3,715.58	1/2	3,346.59	1/2	2,974.88
3/4		3/4		3/4		3/4	4,739.45	3/4	4,493.13	3/4	4,237.04	3/4	3,979.86	3/4	3,708.47	3/4	3,338.84	3/4	2,967.13
10		10		10		10	4,734.43	10	4,487.87	10	4,231.68	10	3,974.50	10	3,701.37	10	3,331.10	10	2,959.39
1/4		1/4		1/4		1/4	4,729.41	1/4	4,482.60	1/4	4,226.32	1/4	3,969.14	1/4	3,694.26	1/4	3,323.35	1/4	2,951.64
1/2		1/2		1/2		1/2	4,724.39	1/2	4,477.33	1/2	4,220.96	1/2	3,963.78	1/2	3,686.72	1/2	3,315.61	1/2	2,943.90
3/4		3/4		3/4		3/4	4,719.38	3/4	4,472.07	3/4	4,215.61	3/4	3,958.43	3/4	3,679.18	3/4	3,307.87	3/4	2,936.15
11		11		11		11	4,714.36	11	4,466.80	11	4,210.25	11	3,953.07	11	3,671.63	11	3,300.12	11	2,928.41
1/4		1/4		1/4		1/4	4,709.34	1/4	4,461.53	1/4	4,204.89	1/4	3,947.71	1/4	3,664.09	1/4	3,292.38	1/4	2,920.66
1/2		1/2		1/2		1/2	4,704.29	1/2	4,456.23	1/2	4,199.53	1/2	3,942.35	1/2	3,656.35	1/2	3,284.64	1/2	2,912.92
3/4		3/4		3/4		3/4	4,699.24	3/4	4,450.94	3/4	4,194.18	3/4	3,937.00	3/4	3,648.60	3/4	3,276.89	3/4	2,905.18

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" GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 46'-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 116"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

FORMERLY "KIRBY 29323"

GAUGE HEIGHT 16'-10 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	2,525.72	0	2,154.01	0	1,782.30	0	1,410.59	0	1,038.98	0	667.18	0	294.70	0		0		0	
1/4	2,517.98	1/4	2,146.26	1/4	1,774.55	1/4	1,402.84	1/4	1,031.24	1/4	659.42	1/4	286.94	1/4		1/4		1/4	
1/2	2,510.24	1/2	2,138.52	1/2	1,766.81	1/2	1,395.10	1/2	1,023.50	1/2	651.66	1/2	279.18	1/2		1/2		1/2	
3/4	2,502.49	3/4	2,130.78	3/4	1,759.07	3/4	1,387.35	3/4	1,015.76	3/4	643.90	3/4	271.42	3/4		3/4		3/4	
1	2,494.75	1	2,123.03	1	1,751.32	1	1,379.61	1	1,008.02	1	636.14	1	263.66	1		1		1	
1/4	2,487.00	1/4	2,115.29	1/4	1,743.58	1/4	1,371.86	1/4	1,000.28	1/4	628.38	1/4	255.90	1/4		1/4		1/4	
1/2	2,479.26	1/2	2,107.55	1/2	1,735.84	1/2	1,364.12	1/2	992.54	1/2	620.62	1/2	248.14	1/2		1/2		1/2	
3/4	2,471.51	3/4	2,099.80	3/4	1,728.09	3/4	1,356.38	3/4	984.81	3/4	612.86	3/4	240.38	3/4		3/4		3/4	
2	2,463.77	2	2,092.06	2	1,720.35	2	1,348.63	2	977.07	2	605.10	2	232.62	2		2		2	
1/4	2,456.02	1/4	2,084.31	1/4	1,712.60	1/4	1,340.89	1/4	969.33	1/4	597.34	1/4	224.86	1/4		1/4		1/4	
1/2	2,448.28	1/2	2,076.57	1/2	1,704.86	1/2	1,333.15	1/2	961.59	1/2	589.58	1/2	217.10	1/2		1/2		1/2	
3/4	2,440.54	3/4	2,068.83	3/4	1,697.11	3/4	1,325.40	3/4	953.86	3/4	581.82	3/4	209.34	3/4		3/4		3/4	
3	2,432.79	3	2,061.08	3	1,689.37	3	1,317.66	3	946.12	3	574.06	3	201.58	3		3		3	
1/4	2,425.05	1/4	2,053.34	1/4	1,681.62	1/4	1,309.91	1/4	938.38	1/4	566.30	1/4	193.82	1/4		1/4		1/4	
1/2	2,417.31	1/2	2,045.60	1/2	1,673.88	1/2	1,302.17	1/2	930.64	1/2	558.54	1/2	186.06	1/2		1/2		1/2	
3/4	2,409.56	3/4	2,037.85	3/4	1,666.14	3/4	1,294.43	3/4	922.91	3/4	550.78	3/4	178.30	3/4		3/4		3/4	
4	2,401.82	4	2,030.11	4	1,658.39	4	1,286.68	4	915.17	4	543.02	4	170.54	4		4		4	
1/4	2,394.07	1/4	2,022.36	1/4	1,650.65	1/4	1,278.94	1/4	907.43	1/4	535.26	1/4	162.78	1/4		1/4		1/4	
1/2	2,386.33	1/2	2,014.62	1/2	1,642.91	1/2	1,271.20	1/2	899.69	1/2	527.50	1/2	155.03	1/2		1/2		1/2	
3/4	2,378.59	3/4	2,006.87	3/4	1,635.16	3/4	1,263.45	3/4	891.96	3/4	519.74	3/4	147.28	3/4		3/4		3/4	
5	2,370.84	5	1,999.13	5	1,627.42	5	1,255.71	5	884.22	5	511.98	5	139.53	5		5		5	
1/4	2,363.10	1/4	1,991.38	1/4	1,619.67	1/4	1,247.96	1/4	876.48	1/4	504.22	1/4	131.78	1/4		1/4		1/4	
1/2	2,355.36	1/2	1,983.64	1/2	1,611.93	1/2	1,240.22	1/2	868.74	1/2	496.46	1/2	124.05	1/2		1/2		1/2	
3/4	2,347.61	3/4	1,975.90	3/4	1,604.19	3/4	1,232.47	3/4	861.00	3/4	488.70	3/4	116.31	3/4		3/4		3/4	
6	2,339.87	6	1,968.15	6	1,596.44	6	1,224.73	6	853.26	6	480.94	6	108.58	6		6		6	
1/4	2,332.12	1/4	1,960.41	1/4	1,588.70	1/4	1,216.98	1/4	845.52	1/4	473.18	1/4	100.84	1/4		1/4		1/4	
1/2	2,324.38	1/2	1,952.67	1/2	1,580.96	1/2	1,209.24	1/2	837.78	1/2	465.42	1/2	93.11	1/2		1/2		1/2	
3/4	2,316.63	3/4	1,944.92	3/4	1,573.21	3/4	1,201.50	3/4	830.05	3/4	457.66	3/4	85.37	3/4		3/4		3/4	
7	2,308.89	7	1,937.18	7	1,565.47	7	1,193.75	7	822.31	7	449.90	7	77.64	7		7		7	
1/4	2,301.14	1/4	1,929.43	1/4	1,557.72	1/4	1,186.01	1/4	814.57	1/4	442.14	1/4	69.90	1/4		1/4		1/4	
1/2	2,293.40	1/2	1,921.69	1/2	1,549.98	1/2	1,178.27	1/2	806.82	1/2	434.38	1/2	63.24	1/2		1/2		1/2	
3/4	2,285.66	3/4	1,913.95	3/4	1,542.23	3/4	1,170.53	3/4	799.08	3/4	426.62	3/4	56.58	3/4		3/4		3/4	
8	2,277.91	8	1,906.20	8	1,534.49	8	1,162.78	8	791.33	8	418.86	8	49.92	8		8		8	
1/4	2,270.17	1/4	1,898.46	1/4	1,526.74	1/4	1,155.04	1/4	783.58	1/4	411.10	1/4	43.26	1/4		1/4		1/4	
1/2	2,262.43	1/2	1,890.72	1/2	1,519.00	1/2	1,147.30	1/2	775.82	1/2	403.34	1/2	38.11	1/2		1/2		1/2	
3/4	2,254.68	3/4	1,882.97	3/4	1,511.26	3/4	1,139.57	3/4	768.06	3/4	395.58	3/4	32.96	3/4		3/4		3/4	
9	2,246.94	9	1,875.23	9	1,503.51	9	1,131.83	9	760.30	9	387.82	9	27.81	9		9		9	
1/4	2,239.19	1/4	1,867.48	1/4	1,495.77	1/4	1,124.09	1/4	752.54	1/4	380.06	1/4	22.66	1/4		1/4		1/4	
1/2	2,231.45	1/2	1,859.74	1/2	1,488.03	1/2	1,116.35	1/2	744.78	1/2	372.30	1/2	19.23	1/2		1/2		1/2	
3/4	2,223.71	3/4	1,851.99	3/4	1,480.28	3/4	1,108.62	3/4	737.02	3/4	364.54	3/4	15.80	3/4		3/4		3/4	
10	2,215.96	10	1,844.25	10	1,472.54	10	1,100.88	10	729.26	10	356.78	10	12.36	10		10		10	
1/4	2,208.22	1/4	1,836.50	1/4	1,464.79	1/4	1,093.14	1/4	721.50	1/4	349.02	1/4	8.93	1/4		1/4		1/4	
1/2	2,200.48	1/2	1,828.76	1/2	1,457.05	1/2	1,085.40	1/2	713.74	1/2	341.26	1/2		1/2		1/2		1/2	
3/4	2,192.73	3/4	1,821.02	3/4	1,449.31	3/4	1,077.67	3/4	705.98	3/4	333.50	3/4		3/4		3/4		3/4	
11	2,184.99	11	1,813.27	11	1,441.56	11	1,069.93	11	698.22	11	325.74	11		11		11		11	
1/4	2,177.24	1/4	1,805.53	1/4	1,433.82	1/4	1,062.19	1/4	690.46	1/4	317.98	1/4		1/4		1/4		1/4	
1/2	2,169.50	1/2	1,797.79	1/2	1,426.08	1/2	1,054.45	1/2	682.70	1/2	310.22	1/2		1/2		1/2		1/2	
3/4	2,161.75	3/4	1,790.04	3/4	1,418.33	3/4	1,046.72	3/4	674.94	3/4	302.46	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/07/03 INS
RECALCULATED: 07/03/2020 SW
NAME CHANGE: 08/24/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "LACB 116"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

FORMERLY "KIRBY 29323"

GAUGE HEIGHT 16'-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	4,689.14	0	4,440.34	0	4,183.46	0	3,926.28	0	3,633.11	0	3,261.40	0	2,889.69
1/4		1/4		1/4		1/4	4,684.06	1/4	4,435.01	1/4	4,178.10	1/4	3,920.92	1/4	3,625.37	1/4	3,253.66	1/4	2,881.95
1/2		1/2		1/2		1/2	4,678.98	1/2	4,429.69	1/2	4,172.75	1/2	3,915.56	1/2	3,617.63	1/2	3,245.91	1/2	2,874.20
3/4		3/4		3/4		3/4	4,673.90	3/4	4,424.36	3/4	4,167.39	3/4	3,910.20	3/4	3,609.88	3/4	3,238.17	3/4	2,866.46
1		1		1		1	4,668.82	1	4,419.03	1	4,162.03	1	3,904.84	1	3,602.14	1	3,230.42	1	2,858.71
1/4		1/4		1/4		1/4	4,663.74	1/4	4,413.70	1/4	4,156.67	1/4	3,899.48	1/4	3,594.40	1/4	3,222.68	1/4	2,850.97
1/2		1/2		1/2		1/2	4,658.66	1/2	4,408.38	1/2	4,151.32	1/2	3,894.13	1/2	3,586.65	1/2	3,214.94	1/2	2,843.23
3/4		3/4		3/4		3/4	4,653.58	3/4	4,403.05	3/4	4,145.96	3/4	3,888.77	3/4	3,578.91	3/4	3,207.19	3/4	2,835.48
2		2		2		2	4,648.50	2	4,397.72	2	4,140.60	2	3,883.41	2	3,571.16	2	3,199.45	2	2,827.74
1/4		1/4		1/4		1/4	4,643.39	1/4	4,392.38	1/4	4,135.24	1/4	3,878.05	1/4	3,563.42	1/4	3,191.71	1/4	2,820.00
1/2		1/2		1/2		1/2	4,819.17	1/2	4,638.28	1/2	4,387.04	1/2	4,129.88	1/2	3,872.70	1/2	3,555.67	1/2	3,183.96
3/4		3/4		3/4		3/4	4,819.17	3/4	4,633.17	3/4	4,381.69	3/4	4,124.52	3/4	3,867.34	3/4	3,547.93	3/4	3,176.22
3		3		3		3	4,819.16	3	4,628.06	3	4,376.35	3	4,119.16	3	3,861.98	3	3,540.18	3	3,168.47
1/4		1/4		1/4		1/4	4,818.66	1/4	4,622.92	1/4	4,370.99	1/4	4,113.80	1/4	3,856.62	1/4	3,532.44	1/4	3,160.73
1/2		1/2		1/2		1/2	4,818.15	1/2	4,617.78	1/2	4,365.64	1/2	4,108.45	1/2	3,851.27	1/2	3,524.70	1/2	3,152.99
3/4		3/4		3/4		3/4	4,817.65	3/4	4,612.63	3/4	4,360.28	3/4	4,103.09	3/4	3,845.91	3/4	3,516.95	3/4	3,145.24
4		4		4		4	4,817.14	4	4,607.49	4	4,354.92	4	4,097.73	4	3,840.55	4	3,509.21	4	3,137.50
1/4		1/4		1/4		1/4	4,815.66	1/4	4,602.35	1/4	4,349.56	1/4	4,092.37	1/4	3,835.19	1/4	3,501.47	1/4	3,129.76
1/2		1/2		1/2		1/2	4,814.18	1/2	4,597.21	1/2	4,344.20	1/2	4,087.02	1/2	3,829.84	1/2	3,493.72	1/2	3,122.01
3/4		3/4		3/4		3/4	4,812.70	3/4	4,592.06	3/4	4,338.84	3/4	4,081.66	3/4	3,824.48	3/4	3,485.98	3/4	3,114.27
5		5		5		5	4,811.22	5	4,586.92	5	4,333.48	5	4,076.30	5	3,819.12	5	3,478.23	5	3,106.52
1/4		1/4		1/4		1/4	4,808.73	1/4	4,581.75	1/4	4,328.12	1/4	4,070.94	1/4	3,813.71	1/4	3,470.49	1/4	3,098.78
1/2		1/2		1/2		1/2	4,806.25	1/2	4,576.58	1/2	4,322.77	1/2	4,065.59	1/2	3,808.29	1/2	3,462.75	1/2	3,091.03
3/4		3/4		3/4		3/4	4,803.76	3/4	4,571.40	3/4	4,317.41	3/4	4,060.23	3/4	3,802.88	3/4	3,455.00	3/4	3,083.29
6		6		6		6	4,801.27	6	4,566.23	6	4,312.05	6	4,054.87	6	3,797.46	6	3,447.26	6	3,075.54
1/4		1/4		1/4		1/4	4,797.78	1/4	4,561.03	1/4	4,306.69	1/4	4,049.51	1/4	3,791.67	1/4	3,439.52	1/4	3,067.80
1/2		1/2		1/2		1/2	4,794.29	1/2	4,555.83	1/2	4,301.34	1/2	4,044.16	1/2	3,785.87	1/2	3,431.77	1/2	3,060.06
3/4		3/4		3/4		3/4	4,790.79	3/4	4,550.62	3/4	4,295.98	3/4	4,038.80	3/4	3,780.08	3/4	3,424.03	3/4	3,052.31
7		7		7		7	4,787.30	7	4,545.42	7	4,290.62	7	4,033.44	7	3,774.28	7	3,416.28	7	3,044.57
1/4		1/4		1/4		1/4	4,782.83	1/4	4,540.22	1/4	4,285.26	1/4	4,028.08	1/4	3,768.05	1/4	3,408.54	1/4	3,036.83
1/2		1/2		1/2		1/2	4,778.37	1/2	4,535.01	1/2	4,279.91	1/2	4,022.72	1/2	3,761.82	1/2	3,400.79	1/2	3,029.08
3/4		3/4		3/4		3/4	4,773.90	3/4	4,529.81	3/4	4,274.55	3/4	4,017.36	3/4	3,755.58	3/4	3,393.05	3/4	3,021.34
8		8		8		8	4,769.43	8	4,524.60	8	4,269.19	8	4,012.00	8	3,749.35	8	3,385.30	8	3,013.59
1/4		1/4		1/4		1/4	4,764.44	1/4	4,519.37	1/4	4,263.83	1/4	4,006.64	1/4	3,742.68	1/4	3,377.56	1/4	3,005.85
1/2		1/2		1/2		1/2	4,759.46	1/2	4,514.13	1/2	4,258.48	1/2	4,001.29	1/2	3,736.02	1/2	3,369.82	1/2	2,998.11
3/4		3/4		3/4		3/4	4,754.47	3/4	4,508.90	3/4	4,253.12	3/4	3,995.93	3/4	3,729.35	3/4	3,362.07	3/4	2,990.36
9		9		9		9	4,749.48	9	4,503.66	9	4,247.76	9	3,990.57	9	3,722.68	9	3,354.33	9	2,982.62
1/4		1/4		1/4		1/4	4,744.46	1/4	4,498.40	1/4	4,242.40	1/4	3,985.21	1/4	3,715.58	1/4	3,346.59	1/4	2,974.88
1/2		1/2		1/2		1/2	4,739.45	1/2	4,493.13	1/2	4,237.04	1/2	3,979.86	1/2	3,708.47	1/2	3,338.84	1/2	2,967.13
3/4		3/4		3/4		3/4	4,734.43	3/4	4,487.87	3/4	4,231.68	3/4	3,974.50	3/4	3,701.37	3/4	3,331.10	3/4	2,959.39
10		10		10		10	4,729.41	10	4,482.60	10	4,226.32	10	3,969.14	10	3,694.26	10	3,323.35	10	2,951.64
1/4		1/4		1/4		1/4	4,724.39	1/4	4,477.33	1/4	4,220.96	1/4	3,963.78	1/4	3,686.72	1/4	3,315.61	1/4	2,943.90
1/2		1/2		1/2		1/2	4,719.38	1/2	4,472.07	1/2	4,215.61	1/2	3,958.43	1/2	3,679.18	1/2	3,307.87	1/2	2,936.15
3/4		3/4		3/4		3/4	4,714.36	3/4	4,466.80	3/4	4,210.25	3/4	3,953.07	3/4	3,671.63	3/4	3,300.12	3/4	2,928.41
11		11		11		11	4,709.34	11	4,461.53	11	4,204.89	11	3,947.71	11	3,664.09	11	3,292.38	11	2,920.66
1/4		1/4		1/4		1/4	4,704.29	1/4	4,456.23	1/4	4,199.53	1/4	3,942.35	1/4	3,656.35	1/4	3,284.64	1/4	2,912.92
1/2		1/2		1/2		1/2	4,699.24	1/2	4,450.94	1/2	4,194.18	1/2	3,937.00	1/2	3,648.60	1/2	3,276.89	1/2	2,905.18
3/4		3/4		3/4		3/4	4,694.19	3/4	4,445.64	3/4	4,188.82	3/4	3,931.64	3/4	3,640.86	3/4	3,269.15	3/4	2,897.43

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" GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 46'-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 116"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

FORMERLY "KIRBY 29323"

GAUGE HEIGHT 16'-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	2,517.98	0	2,146.26	0	1,774.55	0	1,402.84	0	1,031.24	0	659.42	0	286.94	0		0		0	
1/4	2,510.24	1/4	2,138.52	1/4	1,766.81	1/4	1,395.10	1/4	1,023.50	1/4	651.66	1/4	279.18	1/4		1/4		1/4	
1/2	2,502.49	1/2	2,130.78	1/2	1,759.07	1/2	1,387.35	1/2	1,015.76	1/2	643.90	1/2	271.42	1/2		1/2		1/2	
3/4	2,494.75	3/4	2,123.03	3/4	1,751.32	3/4	1,379.61	3/4	1,008.02	3/4	636.14	3/4	263.66	3/4		3/4		3/4	
1	2,487.00	1	2,115.29	1	1,743.58	1	1,371.86	1	1,000.28	1	628.38	1	255.90	1		1		1	
1/4	2,479.26	1/4	2,107.55	1/4	1,735.84	1/4	1,364.12	1/4	992.54	1/4	620.62	1/4	248.14	1/4		1/4		1/4	
1/2	2,471.51	1/2	2,099.80	1/2	1,728.09	1/2	1,356.38	1/2	984.81	1/2	612.86	1/2	240.38	1/2		1/2		1/2	
3/4	2,463.77	3/4	2,092.06	3/4	1,720.35	3/4	1,348.63	3/4	977.07	3/4	605.10	3/4	232.62	3/4		3/4		3/4	
2	2,456.02	2	2,084.31	2	1,712.60	2	1,340.89	2	969.33	2	597.34	2	224.86	2		2		2	
1/4	2,448.28	1/4	2,076.57	1/4	1,704.86	1/4	1,333.15	1/4	961.59	1/4	589.58	1/4	217.10	1/4		1/4		1/4	
1/2	2,440.54	1/2	2,068.83	1/2	1,697.11	1/2	1,325.40	1/2	953.86	1/2	581.82	1/2	209.34	1/2		1/2		1/2	
3/4	2,432.79	3/4	2,061.08	3/4	1,689.37	3/4	1,317.66	3/4	946.12	3/4	574.06	3/4	201.58	3/4		3/4		3/4	
3	2,425.05	3	2,053.34	3	1,681.62	3	1,309.91	3	938.38	3	566.30	3	193.82	3		3		3	
1/4	2,417.31	1/4	2,045.60	1/4	1,673.88	1/4	1,302.17	1/4	930.64	1/4	558.54	1/4	186.06	1/4		1/4		1/4	
1/2	2,409.56	1/2	2,037.85	1/2	1,666.14	1/2	1,294.43	1/2	922.91	1/2	550.78	1/2	178.30	1/2		1/2		1/2	
3/4	2,401.82	3/4	2,030.11	3/4	1,658.39	3/4	1,286.68	3/4	915.17	3/4	543.02	3/4	170.54	3/4		3/4		3/4	
4	2,394.07	4	2,022.36	4	1,650.65	4	1,278.94	4	907.43	4	535.26	4	162.78	4		4		4	
1/4	2,386.33	1/4	2,014.62	1/4	1,642.91	1/4	1,271.20	1/4	899.69	1/4	527.50	1/4	155.03	1/4		1/4		1/4	
1/2	2,378.59	1/2	2,006.87	1/2	1,635.16	1/2	1,263.45	1/2	891.96	1/2	519.74	1/2	147.28	1/2		1/2		1/2	
3/4	2,370.84	3/4	1,999.13	3/4	1,627.42	3/4	1,255.71	3/4	884.22	3/4	511.98	3/4	139.53	3/4		3/4		3/4	
5	2,363.10	5	1,991.38	5	1,619.67	5	1,247.96	5	876.48	5	504.22	5	131.78	5		5		5	
1/4	2,355.36	1/4	1,983.64	1/4	1,611.93	1/4	1,240.22	1/4	868.74	1/4	496.46	1/4	124.05	1/4		1/4		1/4	
1/2	2,347.61	1/2	1,975.90	1/2	1,604.19	1/2	1,232.47	1/2	861.00	1/2	488.70	1/2	116.31	1/2		1/2		1/2	
3/4	2,339.87	3/4	1,968.15	3/4	1,596.44	3/4	1,224.73	3/4	853.26	3/4	480.94	3/4	108.58	3/4		3/4		3/4	
6	2,332.12	6	1,960.41	6	1,588.70	6	1,216.98	6	845.52	6	473.18	6	100.84	6		6		6	
1/4	2,324.38	1/4	1,952.67	1/4	1,580.96	1/4	1,209.24	1/4	837.78	1/4	465.42	1/4	93.11	1/4		1/4		1/4	
1/2	2,316.63	1/2	1,944.92	1/2	1,573.21	1/2	1,201.50	1/2	830.05	1/2	457.66	1/2	85.37	1/2		1/2		1/2	
3/4	2,308.89	3/4	1,937.18	3/4	1,565.47	3/4	1,193.75	3/4	822.31	3/4	449.90	3/4	77.64	3/4		3/4		3/4	
7	2,301.14	7	1,929.43	7	1,557.72	7	1,186.01	7	814.57	7	442.14	7	69.90	7		7		7	
1/4	2,293.40	1/4	1,921.69	1/4	1,549.98	1/4	1,178.27	1/4	806.82	1/4	434.38	1/4	63.24	1/4		1/4		1/4	
1/2	2,285.66	1/2	1,913.95	1/2	1,542.23	1/2	1,170.53	1/2	799.08	1/2	426.62	1/2	56.58	1/2		1/2		1/2	
3/4	2,277.91	3/4	1,906.20	3/4	1,534.49	3/4	1,162.78	3/4	791.33	3/4	418.86	3/4	49.92	3/4		3/4		3/4	
8	2,270.17	8	1,898.46	8	1,526.74	8	1,155.04	8	783.58	8	411.10	8	43.26	8		8		8	
1/4	2,262.43	1/4	1,890.72	1/4	1,519.00	1/4	1,147.30	1/4	775.82	1/4	403.34	1/4	38.11	1/4		1/4		1/4	
1/2	2,254.68	1/2	1,882.97	1/2	1,511.26	1/2	1,139.57	1/2	768.06	1/2	395.58	1/2	32.96	1/2		1/2		1/2	
3/4	2,246.94	3/4	1,875.23	3/4	1,503.51	3/4	1,131.83	3/4	760.30	3/4	387.82	3/4	27.81	3/4		3/4		3/4	
9	2,239.19	9	1,867.48	9	1,495.77	9	1,124.09	9	752.54	9	380.06	9	22.66	9		9		9	
1/4	2,231.45	1/4	1,859.74	1/4	1,488.03	1/4	1,116.35	1/4	744.78	1/4	372.30	1/4	19.23	1/4		1/4		1/4	
1/2	2,223.71	1/2	1,851.99	1/2	1,480.28	1/2	1,108.62	1/2	737.02	1/2	364.54	1/2	15.80	1/2		1/2		1/2	
3/4	2,215.96	3/4	1,844.25	3/4	1,472.54	3/4	1,100.88	3/4	729.26	3/4	356.78	3/4	12.36	3/4		3/4		3/4	
10	2,208.22	10	1,836.50	10	1,464.79	10	1,093.14	10	721.50	10	349.02	10	8.93	10		10		10	
1/4	2,200.48	1/4	1,828.76	1/4	1,457.05	1/4	1,085.40	1/4	713.74	1/4	341.26	1/4		1/4		1/4		1/4	
1/2	2,192.73	1/2	1,821.02	1/2	1,449.31	1/2	1,077.67	1/2	705.98	1/2	333.50	1/2		1/2		1/2		1/2	
3/4	2,184.99	3/4	1,813.27	3/4	1,441.56	3/4	1,069.93	3/4	698.22	3/4	325.74	3/4		3/4		3/4		3/4	
11	2,177.24	11	1,805.53	11	1,433.82	11	1,062.19	11	690.46	11	317.98	11		11		11		11	
1/4	2,169.50	1/4	1,797.79	1/4	1,426.08	1/4	1,054.45	1/4	682.70	1/4	310.22	1/4		1/4		1/4		1/4	
1/2	2,161.75	1/2	1,790.04	1/2	1,418.33	1/2	1,046.72	1/2	674.94	1/2	302.46	1/2		1/2		1/2		1/2	
3/4	2,154.01	3/4	1,782.30	3/4	1,410.59	3/4	1,038.98	3/4	667.18	3/4	294.70	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/07/03 INS
RECALCULATED: 07/03/2020 SW
NAME CHANGE: 08/24/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

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