



BARGE "KIRBY 29046"

ULLAGE TRIM TABLE
FORMERLY "CTCO 344"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 237'-06"

August 26, 2021

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29046"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTCO 344

GAUGE HEIGHT 17'-00 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	2,178.80	0	1,847.58	0	1,516.36	0	1,185.14	0	856.93	0	550.08	0	265.15	0	16.89	0		0	
1/4	2,171.90	1/4	1,840.68	1/4	1,509.46	1/4	1,178.24	1/4	850.30	1/4	543.89	1/4	259.46	1/4	14.76	1/4		1/4	
1/2	2,165.00	1/2	1,833.78	1/2	1,502.56	1/2	1,171.34	1/2	843.66	1/2	537.71	1/2	253.77	1/2	12.63	1/2		1/2	
3/4	2,158.10	3/4	1,826.88	3/4	1,495.66	3/4	1,164.44	3/4	837.08	3/4	531.57	3/4	248.12	3/4		3/4		3/4	
1	2,151.20	1	1,819.98	1	1,488.76	1	1,157.54	1	830.50	1	525.43	1	242.47	1		1		1	
1/4	2,144.30	1/4	1,813.08	1/4	1,481.86	1/4	1,150.64	1/4	823.92	1/4	519.29	1/4	236.83	1/4		1/4		1/4	
1/2	2,137.40	1/2	1,806.18	1/2	1,474.96	1/2	1,143.74	1/2	817.33	1/2	513.15	1/2	231.18	1/2		1/2		1/2	
3/4	2,130.50	3/4	1,799.28	3/4	1,468.06	3/4	1,136.84	3/4	810.79	3/4	507.05	3/4	225.57	3/4		3/4		3/4	
2	2,123.60	2	1,792.38	2	1,461.16	2	1,129.94	2	804.25	2	500.95	2	219.96	2		2		2	
1/4	2,116.70	1/4	1,785.48	1/4	1,454.26	1/4	1,123.04	1/4	797.71	1/4	494.85	1/4	214.35	1/4		1/4		1/4	
1/2	2,109.80	1/2	1,778.58	1/2	1,447.36	1/2	1,116.14	1/2	791.17	1/2	488.75	1/2	208.75	1/2		1/2		1/2	
3/4	2,102.90	3/4	1,771.68	3/4	1,440.46	3/4	1,109.24	3/4	784.67	3/4	482.69	3/4	203.18	3/4		3/4		3/4	
3	2,096.00	3	1,764.78	3	1,433.56	3	1,102.34	3	778.16	3	476.63	3	197.61	3		3		3	
1/4	2,089.10	1/4	1,757.88	1/4	1,426.66	1/4	1,095.44	1/4	771.66	1/4	470.57	1/4	192.05	1/4		1/4		1/4	
1/2	2,082.20	1/2	1,750.98	1/2	1,419.76	1/2	1,088.54	1/2	765.16	1/2	464.51	1/2	186.48	1/2		1/2		1/2	
3/4	2,075.30	3/4	1,744.08	3/4	1,412.86	3/4	1,081.64	3/4	758.70	3/4	458.49	3/4	180.95	3/4		3/4		3/4	
4	2,068.40	4	1,737.18	4	1,405.96	4	1,074.74	4	752.24	4	452.48	4	175.43	4		4		4	
1/4	2,061.49	1/4	1,730.28	1/4	1,399.06	1/4	1,067.84	1/4	745.78	1/4	446.46	1/4	169.90	1/4		1/4		1/4	
1/2	2,054.59	1/2	1,723.38	1/2	1,392.16	1/2	1,060.94	1/2	739.32	1/2	440.44	1/2	164.38	1/2		1/2		1/2	
3/4	2,047.69	3/4	1,716.47	3/4	1,385.26	3/4	1,054.04	3/4	732.91	3/4	434.46	3/4	158.89	3/4		3/4		3/4	
5	2,040.79	5	1,709.57	5	1,378.36	5	1,047.14	5	726.49	5	428.49	5	153.41	5		5		5	
1/4	2,033.89	1/4	1,702.67	1/4	1,371.45	1/4	1,040.24	1/4	720.07	1/4	422.51	1/4	147.92	1/4		1/4		1/4	
1/2	2,026.99	1/2	1,695.77	1/2	1,364.55	1/2	1,033.34	1/2	713.65	1/2	416.53	1/2	142.44	1/2		1/2		1/2	
3/4	2,020.09	3/4	1,688.87	3/4	1,357.65	3/4	1,026.43	3/4	707.27	3/4	410.60	3/4	137.00	3/4		3/4		3/4	
6	2,013.19	6	1,681.97	6	1,350.75	6	1,019.53	6	700.89	6	404.66	6	131.55	6		6		6	
1/4	2,006.29	1/4	1,675.07	1/4	1,343.85	1/4	1,012.63	1/4	694.52	1/4	398.72	1/4	126.11	1/4		1/4		1/4	
1/2	1,999.39	1/2	1,668.17	1/2	1,336.95	1/2	1,005.73	1/2	688.14	1/2	392.79	1/2	120.66	1/2		1/2		1/2	
3/4	1,992.49	3/4	1,661.27	3/4	1,330.05	3/4	998.85	3/4	681.80	3/4	386.89	3/4	115.26	3/4		3/4		3/4	
7	1,985.59	7	1,654.37	7	1,323.15	7	991.97	7	675.47	7	381.00	7	109.86	7		7		7	
1/4	1,978.69	1/4	1,647.47	1/4	1,316.25	1/4	985.09	1/4	669.13	1/4	375.10	1/4	104.46	1/4		1/4		1/4	
1/2	1,971.79	1/2	1,640.57	1/2	1,309.35	1/2	978.21	1/2	662.79	1/2	369.21	1/2	99.05	1/2		1/2		1/2	
3/4	1,964.89	3/4	1,633.67	3/4	1,302.45	3/4	971.38	3/4	656.50	3/4	363.35	3/4	93.69	3/4		3/4		3/4	
8	1,957.99	8	1,626.77	8	1,295.55	8	964.54	8	650.20	8	357.50	8	88.33	8		8		8	
1/4	1,951.09	1/4	1,619.87	1/4	1,288.65	1/4	957.70	1/4	643.91	1/4	351.65	1/4	82.97	1/4		1/4		1/4	
1/2	1,944.19	1/2	1,612.97	1/2	1,281.75	1/2	950.86	1/2	637.61	1/2	345.79	1/2	77.61	1/2		1/2		1/2	
3/4	1,937.29	3/4	1,606.07	3/4	1,274.85	3/4	944.09	3/4	631.31	3/4	339.98	3/4	72.29	3/4		3/4		3/4	
9	1,930.39	9	1,599.17	9	1,267.95	9	937.32	9	625.00	9	334.17	9	66.97	9		9		9	
1/4	1,923.49	1/4	1,592.27	1/4	1,261.05	1/4	930.55	1/4	618.70	1/4	328.35	1/4	61.65	1/4		1/4		1/4	
1/2	1,916.59	1/2	1,585.37	1/2	1,254.15	1/2	923.79	1/2	612.39	1/2	322.54	1/2	56.33	1/2		1/2		1/2	
3/4	1,909.69	3/4	1,578.47	3/4	1,247.25	3/4	917.06	3/4	606.13	3/4	316.77	3/4	51.24	3/4		3/4		3/4	
10	1,902.79	10	1,571.57	10	1,240.35	10	910.33	10	599.86	10	311.00	10	46.15	10		10		10	
1/4	1,895.89	1/4	1,564.67	1/4	1,233.45	1/4	903.60	1/4	593.60	1/4	305.23	1/4	41.06	1/4		1/4		1/4	
1/2	1,888.98	1/2	1,557.77	1/2	1,226.55	1/2	896.88	1/2	587.33	1/2	299.45	1/2	35.98	1/2		1/2		1/2	
3/4	1,882.08	3/4	1,550.87	3/4	1,219.65	3/4	890.20	3/4	581.11	3/4	293.72	3/4	32.27	3/4		3/4		3/4	
11	1,875.18	11	1,543.96	11	1,212.75	11	883.53	11	574.89	11	287.99	11	28.57	11		11		11	
1/4	1,868.28	1/4	1,537.06	1/4	1,205.85	1/4	876.86	1/4	568.66	1/4	282.26	1/4	24.86	1/4		1/4		1/4	
1/2	1,861.38	1/2	1,530.16	1/2	1,198.94	1/2	870.19	1/2	562.44	1/2	276.53	1/2	21.16	1/2		1/2		1/2	
3/4	1,854.48	3/4	1,523.26	3/4	1,192.04	3/4	863.56	3/4	556.26	3/4	270.84	3/4	19.02	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/26/2016 PMA
RECALCULATED: 08/26/2021 PMA
NAME CHANGE: 08/26/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2021

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



BARGE "KIRBY 29046"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTCO 344

GAUGE HEIGHT 17'-01 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	4,474.00	0	4,168.57	0	3,853.04	0	3,525.44	0	3,194.43	0	2,863.41	0	2,532.35
1/4		1/4		1/4		1/4	4,467.17	1/4	4,162.12	1/4	3,846.34	1/4	3,518.55	1/4	3,187.53	1/4	2,856.51	1/4	2,525.45
1/2		1/2		1/2		1/2	4,460.33	1/2	4,155.66	1/2	3,839.61	1/2	3,511.65	1/2	3,180.63	1/2	2,849.62	1/2	2,518.55
3/4		3/4		3/4		3/4	4,453.49	3/4	4,149.19	3/4	3,832.88	3/4	3,504.76	3/4	3,173.74	3/4	2,842.72	3/4	2,511.64
1		1		1		1	4,446.65	1	4,142.72	1	3,826.16	1	3,497.86	1	3,166.84	1	2,835.82	1	2,504.74
1/4		1/4		1/4		1/4	4,439.81	1/4	4,136.26	1/4	3,819.43	1/4	3,490.96	1/4	3,159.95	1/4	2,828.93	1/4	2,497.84
1/2		1/2		1/2		1/2	4,433.60	1/2	4,129.77	1/2	3,812.68	1/2	3,484.07	1/2	3,153.05	1/2	2,822.03	1/2	2,490.94
3/4		3/4		3/4		3/4	4,427.39	3/4	4,123.29	3/4	3,805.94	3/4	3,477.17	3/4	3,146.15	3/4	2,815.14	3/4	2,484.04
2		2		2		2	4,421.18	2	4,116.80	2	3,799.19	2	3,470.27	2	3,139.26	2	2,808.24	2	2,477.14
1/4		1/4		1/4		1/4	4,414.97	1/4	4,110.32	1/4	3,792.44	1/4	3,463.38	1/4	3,132.36	1/4	2,801.34	1/4	2,470.24
1/2		1/2		1/2		1/2	4,408.74	1/2	4,103.81	1/2	3,785.68	1/2	3,456.48	1/2	3,125.46	1/2	2,794.45	1/2	2,463.34
3/4		3/4		3/4		3/4	4,402.51	3/4	4,097.31	3/4	3,778.91	3/4	3,449.59	3/4	3,118.57	3/4	2,787.55	3/4	2,456.44
3		3		3		3	4,396.28	3	4,090.80	3	3,772.14	3	3,442.69	3	3,111.67	3	2,780.65	3	2,449.54
1/4		1/4		1/4		1/4	4,390.05	1/4	4,084.30	1/4	3,765.38	1/4	3,435.79	1/4	3,104.78	1/4	2,773.76	1/4	2,442.64
1/2		1/2		1/2		1/2	4,383.80	1/2	4,077.77	1/2	3,758.59	1/2	3,428.90	1/2	3,097.88	1/2	2,766.86	1/2	2,435.74
3/4		3/4		3/4		3/4	4,377.55	3/4	4,071.25	3/4	3,751.80	3/4	3,422.00	3/4	3,090.98	3/4	2,759.97	3/4	2,428.84
4		4		4		4	4,371.30	4	4,064.72	4	3,745.02	4	3,415.10	4	3,084.09	4	2,753.07	4	2,421.94
1/4		1/4		1/4		1/4	4,365.05	1/4	4,058.19	1/4	3,738.23	1/4	3,408.21	1/4	3,077.19	1/4	2,746.17	1/4	2,415.04
1/2		1/2		1/2		1/2	4,358.78	1/2	4,051.65	1/2	3,731.42	1/2	3,401.31	1/2	3,070.29	1/2	2,739.28	1/2	2,408.14
3/4		3/4		3/4		3/4	4,352.51	3/4	4,045.10	3/4	3,724.62	3/4	3,394.42	3/4	3,063.40	3/4	2,732.38	3/4	2,401.24
5		5		5		5	4,346.24	5	4,038.56	5	3,717.81	5	3,387.52	5	3,056.50	5	2,725.48	5	2,394.34
1/4		1/4		1/4		1/4	4,339.97	1/4	4,032.01	1/4	3,711.00	1/4	3,380.62	1/4	3,049.61	1/4	2,718.59	1/4	2,387.44
1/2		1/2		1/2		1/2	4,333.68	1/2	4,025.45	1/2	3,704.18	1/2	3,373.73	1/2	3,042.71	1/2	2,711.69	1/2	2,380.54
3/4		3/4		3/4		3/4	4,327.39	3/4	4,018.88	3/4	3,697.35	3/4	3,366.83	3/4	3,035.81	3/4	2,704.80	3/4	2,373.64
6		6		6		6	4,321.11	6	4,012.32	6	3,690.53	6	3,359.93	6	3,028.92	6	2,697.90	6	2,366.74
1/4		1/4		1/4		1/4	4,314.82	1/4	4,005.75	1/4	3,683.70	1/4	3,353.04	1/4	3,022.02	1/4	2,691.00	1/4	2,359.84
1/2		1/2		1/2		1/2	4,308.52	1/2	3,999.17	1/2	3,676.85	1/2	3,346.14	1/2	3,015.12	1/2	2,684.11	1/2	2,352.94
3/4		3/4		3/4		3/4	4,302.21	3/4	3,992.58	3/4	3,670.01	3/4	3,339.25	3/4	3,008.23	3/4	2,677.21	3/4	2,346.04
7		7		7		7	4,295.90	7	3,986.00	7	3,663.16	7	3,332.35	7	3,001.33	7	2,670.31	7	2,339.14
1/4		1/4		1/4	4,591.68	1/4	4,289.60	1/4	3,979.41	1/4	3,656.31	1/4	3,325.45	1/4	2,994.44	1/4	2,663.42	1/4	2,332.24
1/2		1/2		1/2	4,587.14	1/2	4,283.27	1/2	3,972.81	1/2	3,649.45	1/2	3,318.56	1/2	2,987.54	1/2	2,656.52	1/2	2,325.34
3/4		3/4		3/4	4,582.60	3/4	4,276.95	3/4	3,966.20	3/4	3,642.58	3/4	3,311.66	3/4	2,980.64	3/4	2,649.63	3/4	2,318.44
8		8		8	4,578.06	8	4,270.62	8	3,959.60	8	3,635.71	8	3,304.77	8	2,973.75	8	2,642.73	8	2,311.54
1/4		1/4		1/4	4,573.53	1/4	4,264.29	1/4	3,952.99	1/4	3,628.85	1/4	3,297.87	1/4	2,966.85	1/4	2,635.83	1/4	2,304.64
1/2		1/2		1/2	4,567.45	1/2	4,257.95	1/2	3,946.37	1/2	3,621.96	1/2	3,290.97	1/2	2,959.96	1/2	2,628.94	1/2	2,297.74
3/4		3/4		3/4	4,561.38	3/4	4,251.60	3/4	3,939.74	3/4	3,615.08	3/4	3,284.08	3/4	2,953.06	3/4	2,622.04	3/4	2,290.84
9		9		9	4,555.30	9	4,245.26	9	3,933.12	9	3,608.19	9	3,277.18	9	2,946.16	9	2,615.15	9	2,283.94
1/4		1/4		1/4	4,549.23	1/4	4,238.91	1/4	3,926.49	1/4	3,601.30	1/4	3,270.28	1/4	2,939.27	1/4	2,608.25	1/4	2,277.03
1/2		1/2		1/2	4,542.39	1/2	4,232.54	1/2	3,919.85	1/2	3,594.41	1/2	3,263.39	1/2	2,932.37	1/2	2,601.35	1/2	2,270.13
3/4		3/4		3/4	4,535.55	3/4	4,226.18	3/4	3,913.20	3/4	3,587.51	3/4	3,256.49	3/4	2,925.47	3/4	2,594.45	3/4	2,263.23
10		10		10	4,528.71	10	4,219.81	10	3,906.56	10	3,580.61	10	3,249.60	10	2,918.58	10	2,587.55	10	2,256.33
1/4		1/4		1/4	4,521.88	1/4	4,213.45	1/4	3,899.91	1/4	3,573.72	1/4	3,242.70	1/4	2,911.68	1/4	2,580.65	1/4	2,249.43
1/2		1/2		1/2	4,515.04	1/2	4,207.06	1/2	3,893.22	1/2	3,566.82	1/2	3,235.80	1/2	2,904.79	1/2	2,573.75	1/2	2,242.53
3/4		3/4		3/4	4,508.20	3/4	4,200.68	3/4	3,886.54	3/4	3,559.92	3/4	3,228.91	3/4	2,897.89	3/4	2,566.85	3/4	2,235.63
11		11		11	4,501.36	11	4,194.29	11	3,879.85	11	3,553.03	11	3,222.01	11	2,890.99	11	2,559.95	11	2,228.73
1/4		1/4		1/4	4,494.52	1/4	4,187.90	1/4	3,873.16	1/4	3,546.13	1/4	3,215.11	1/4	2,884.10	1/4	2,553.05	1/4	2,221.83
1/2		1/2		1/2	4,487.68	1/2	4,181.46	1/2	3,866.46	1/2	3,539.24	1/2	3,208.22	1/2	2,877.20	1/2	2,546.15	1/2	2,214.93
3/4		3/4		3/4	4,480.84	3/4	4,175.01	3/4	3,859.75	3/4	3,532.34	3/4	3,201.32	3/4	2,870.30	3/4	2,539.25	3/4	2,208.03

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC DEVICE".
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "KIRBY 29046"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTCO 344

GAUGE HEIGHT 17'-01 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	2,201.13	0	1,869.92	0	1,538.70	0	1,207.49	0	878.16	0	568.60	0	282.26	0	24.86	0		0	
1/4	2,194.23	1/4	1,863.02	1/4	1,531.80	1/4	1,200.59	1/4	871.45	1/4	562.38	1/4	276.53	1/4	21.15	1/4		1/4	
1/2	2,187.33	1/2	1,856.12	1/2	1,524.90	1/2	1,193.69	1/2	864.78	1/2	556.19	1/2	270.84	1/2	19.02	1/2		1/2	
3/4	2,180.43	3/4	1,849.22	3/4	1,518.00	3/4	1,186.79	3/4	858.12	3/4	550.01	3/4	265.15	3/4	16.89	3/4		3/4	
1	2,173.53	1	1,842.32	1	1,511.10	1	1,179.89	1	851.45	1	543.83	1	259.46	1	14.76	1		1	
1/4	2,166.63	1/4	1,835.42	1/4	1,504.20	1/4	1,172.99	1/4	844.78	1/4	537.65	1/4	253.77	1/4	12.63	1/4		1/4	
1/2	2,159.73	1/2	1,828.52	1/2	1,497.30	1/2	1,166.09	1/2	838.16	1/2	531.51	1/2	248.12	1/2		1/2		1/2	
3/4	2,152.83	3/4	1,821.61	3/4	1,490.40	3/4	1,159.19	3/4	831.54	3/4	525.37	3/4	242.47	3/4		3/4		3/4	
2	2,145.93	2	1,814.71	2	1,483.50	2	1,152.29	2	824.92	2	519.22	2	236.82	2		2		2	
1/4	2,139.03	1/4	1,807.81	1/4	1,476.60	1/4	1,145.39	1/4	818.30	1/4	513.08	1/4	231.18	1/4		1/4		1/4	
1/2	2,132.13	1/2	1,800.91	1/2	1,469.70	1/2	1,138.49	1/2	811.72	1/2	506.98	1/2	225.57	1/2		1/2		1/2	
3/4	2,125.23	3/4	1,794.01	3/4	1,462.80	3/4	1,131.58	3/4	805.14	3/4	500.88	3/4	219.96	3/4		3/4		3/4	
3	2,118.33	3	1,787.11	3	1,455.90	3	1,124.68	3	798.56	3	494.78	3	214.35	3		3		3	
1/4	2,111.43	1/4	1,780.21	1/4	1,449.00	1/4	1,117.78	1/4	791.99	1/4	488.68	1/4	208.74	1/4		1/4		1/4	
1/2	2,104.53	1/2	1,773.31	1/2	1,442.10	1/2	1,110.88	1/2	785.45	1/2	482.63	1/2	203.18	1/2		1/2		1/2	
3/4	2,097.63	3/4	1,766.41	3/4	1,435.20	3/4	1,103.98	3/4	778.91	3/4	476.57	3/4	197.61	3/4		3/4		3/4	
4	2,090.73	4	1,759.51	4	1,428.30	4	1,097.08	4	772.37	4	470.51	4	192.04	4		4		4	
1/4	2,083.83	1/4	1,752.61	1/4	1,421.40	1/4	1,090.18	1/4	765.84	1/4	464.45	1/4	186.48	1/4		1/4		1/4	
1/2	2,076.93	1/2	1,745.71	1/2	1,414.50	1/2	1,083.28	1/2	759.34	1/2	458.44	1/2	180.95	1/2		1/2		1/2	
3/4	2,070.03	3/4	1,738.81	3/4	1,407.60	3/4	1,076.38	3/4	752.84	3/4	452.43	3/4	175.43	3/4		3/4		3/4	
5	2,063.13	5	1,731.91	5	1,400.70	5	1,069.48	5	746.35	5	446.42	5	169.90	5		5		5	
1/4	2,056.23	1/4	1,725.01	1/4	1,393.80	1/4	1,062.58	1/4	739.85	1/4	440.41	1/4	164.38	1/4		1/4		1/4	
1/2	2,049.32	1/2	1,718.11	1/2	1,386.90	1/2	1,055.68	1/2	733.39	1/2	434.44	1/2	158.89	1/2		1/2		1/2	
3/4	2,042.42	3/4	1,711.21	3/4	1,380.00	3/4	1,048.78	3/4	726.94	3/4	428.47	3/4	153.41	3/4		3/4		3/4	
6	2,035.52	6	1,704.31	6	1,373.10	6	1,041.88	6	720.48	6	422.50	6	147.92	6		6		6	
1/4	2,028.62	1/4	1,697.41	1/4	1,366.20	1/4	1,034.98	1/4	714.03	1/4	416.53	1/4	142.44	1/4		1/4		1/4	
1/2	2,021.72	1/2	1,690.51	1/2	1,359.29	1/2	1,028.08	1/2	707.61	1/2	410.59	1/2	136.99	1/2		1/2		1/2	
3/4	2,014.82	3/4	1,683.61	3/4	1,352.39	3/4	1,021.18	3/4	701.20	3/4	404.66	3/4	131.55	3/4		3/4		3/4	
7	2,007.92	7	1,676.71	7	1,345.49	7	1,014.28	7	694.78	7	398.72	7	126.11	7		7		7	
1/4	2,001.02	1/4	1,669.81	1/4	1,338.59	1/4	1,007.38	1/4	688.37	1/4	392.79	1/4	120.66	1/4		1/4		1/4	
1/2	1,994.12	1/2	1,662.91	1/2	1,331.69	1/2	1,000.50	1/2	682.00	1/2	386.89	1/2	115.26	1/2		1/2		1/2	
3/4	1,987.22	3/4	1,656.01	3/4	1,324.79	3/4	993.62	3/4	675.62	3/4	381.00	3/4	109.86	3/4		3/4		3/4	
8	1,980.32	8	1,649.11	8	1,317.89	8	986.74	8	969.25	8	375.10	8	104.45	8		8		8	
1/4	1,973.42	1/4	1,642.21	1/4	1,310.99	1/4	979.86	1/4	962.87	1/4	369.21	1/4	99.05	1/4		1/4		1/4	
1/2	1,966.52	1/2	1,635.31	1/2	1,304.09	1/2	973.02	1/2	956.54	1/2	363.35	1/2	93.69	1/2		1/2		1/2	
3/4	1,959.62	3/4	1,628.41	3/4	1,297.19	3/4	966.18	3/4	950.21	3/4	357.50	3/4	88.33	3/4		3/4		3/4	
9	1,952.72	9	1,621.51	9	1,290.29	9	959.34	9	943.88	9	351.64	9	82.97	9		9		9	
1/4	1,945.82	1/4	1,614.61	1/4	1,283.39	1/4	952.51	1/4	937.54	1/4	345.79	1/4	77.61	1/4		1/4		1/4	
1/2	1,938.92	1/2	1,607.71	1/2	1,276.49	1/2	945.71	1/2	931.24	1/2	339.98	1/2	72.29	1/2		1/2		1/2	
3/4	1,932.02	3/4	1,600.81	3/4	1,269.59	3/4	938.91	3/4	924.93	3/4	334.17	3/4	66.97	3/4		3/4		3/4	
10	1,925.12	10	1,593.91	10	1,262.69	10	932.11	10	918.63	10	328.35	10	61.64	10		10		10	
1/4	1,918.22	1/4	1,587.00	1/4	1,255.79	1/4	925.31	1/4	912.32	1/4	322.54	1/4	56.32	1/4		1/4		1/4	
1/2	1,911.32	1/2	1,580.10	1/2	1,248.89	1/2	918.56	1/2	906.06	1/2	316.77	1/2	51.24	1/2		1/2		1/2	
3/4	1,904.42	3/4	1,573.20	3/4	1,241.99	3/4	911.80	3/4	899.80	3/4	311.00	3/4	46.15	3/4		3/4		3/4	
11	1,897.52	11	1,566.30	11	1,235.09	11	905.04	11	893.53	11	305.22	11	41.06	11		11		11	
1/4	1,890.62	1/4	1,559.40	1/4	1,228.19	1/4	898.29	1/4	887.27	1/4	299.45	1/4	35.97	1/4		1/4		1/4	
1/2	1,883.72	1/2	1,552.50	1/2	1,221.29	1/2	891.58	1/2	881.04	1/2	293.72	1/2	32.27	1/2		1/2		1/2	
3/4	1,876.82	3/4	1,545.60	3/4	1,214.39	3/4	884.87	3/4	874.82	3/4	287.99	3/4	28.56	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/26/2016 PMA
 RECALCULATED: 08/26/2021 PMA
 NAME CHANGE: 08/26/2021 PMA

CANCELS AND SUPERCEDES
 ALL PRIOR TO 08/2021

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "KIRBY 29046"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTCO 344

GAUGE HEIGHT 17'-00 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	0	0	0	0	5,377.87	0	5,020.62	0	4,649.61	0	4,264.89	0	3,876.78	0	3,488.67	0	3,100.50	
1/4	1/4	1/4	1/4	1/4	1/4	5,369.84	1/4	5,013.04	1/4	4,641.72	1/4	4,256.81	1/4	3,868.69	1/4	3,480.58	1/4	3,092.41	
1/2	1/2	1/2	1/2	1/2	1/2	5,361.81	1/2	5,005.45	1/2	4,633.84	1/2	4,248.72	1/2	3,860.61	1/2	3,472.49	1/2	3,084.32	
3/4	3/4	3/4	3/4	3/4	3/4	5,354.52	3/4	4,997.84	3/4	4,625.93	3/4	4,240.64	3/4	3,852.52	3/4	3,464.41	3/4	3,076.23	
1	1	1	1	1	1	5,347.23	1	4,990.24	1	4,618.02	1	4,232.55	1	3,844.44	1	3,456.32	1	3,068.14	
1/4	1/4	1/4	1/4	1/4	1/4	5,339.94	1/4	4,982.63	1/4	4,610.11	1/4	4,224.46	1/4	3,836.35	1/4	3,448.24	1/4	3,060.05	
1/2	1/2	1/2	1/2	1/2	1/2	5,332.64	1/2	4,975.02	1/2	4,602.20	1/2	4,216.38	1/2	3,828.27	1/2	3,440.15	1/2	3,051.96	
3/4	3/4	3/4	3/4	3/4	3/4	5,325.33	3/4	4,967.39	3/4	4,594.26	3/4	4,208.29	3/4	3,820.18	3/4	3,432.07	3/4	3,043.87	
2	2	2	2	2	2	5,318.01	2	4,959.76	2	4,586.33	2	4,200.21	2	3,812.09	2	3,423.98	2	3,035.78	
1/4	1/4	1/4	1/4	1/4	1/4	5,310.70	1/4	4,952.13	1/4	4,578.40	1/4	4,192.12	1/4	3,804.01	1/4	3,415.89	1/4	3,027.69	
1/2	1/2	1/2	1/2	1/2	1/2	5,303.38	1/2	4,944.50	1/2	4,570.46	1/2	4,184.04	1/2	3,795.92	1/2	3,407.81	1/2	3,019.60	
3/4	3/4	3/4	3/4	3/4	3/4	5,296.05	3/4	4,936.84	3/4	4,562.50	3/4	4,175.95	3/4	3,787.84	3/4	3,399.72	3/4	3,011.51	
3	3	3	3	3	3	5,288.71	3	4,929.19	3	4,554.55	3	4,167.86	3	3,779.75	3	3,391.64	3	3,003.42	
1/4	1/4	1/4	1/4	1/4	1/4	5,281.37	1/4	4,921.53	1/4	4,546.59	1/4	4,159.78	1/4	3,771.67	1/4	3,383.55	1/4	2,995.33	
1/2	1/2	1/2	1/2	1/2	1/2	5,274.03	1/2	4,913.88	1/2	4,538.63	1/2	4,151.69	1/2	3,763.58	1/2	3,375.47	1/2	2,987.24	
3/4	3/4	3/4	3/4	3/4	3/4	5,266.67	3/4	4,906.20	3/4	4,530.65	3/4	4,143.61	3/4	3,755.49	3/4	3,367.38	3/4	2,979.15	
4	4	4	4	4	4	5,259.31	4	4,898.52	4	4,522.67	4	4,135.52	4	3,747.41	4	3,359.29	4	2,971.06	
1/4	1/4	1/4	1/4	1/4	1/4	5,251.95	1/4	4,890.84	1/4	4,514.69	1/4	4,127.44	1/4	3,739.32	1/4	3,351.21	1/4	2,962.97	
1/2	1/2	1/2	1/2	1/2	1/2	5,244.58	1/2	4,883.16	1/2	4,506.71	1/2	4,119.35	1/2	3,731.24	1/2	3,343.12	1/2	2,954.88	
3/4	3/4	3/4	3/4	3/4	3/4	5,237.20	3/4	4,875.46	3/4	4,498.71	3/4	4,111.26	3/4	3,723.15	3/4	3,335.04	3/4	2,946.79	
5	5	5	5	5	5	5,229.82	5	4,867.76	5	4,490.70	5	4,103.18	5	3,715.07	5	3,326.95	5	2,938.70	
1/4	1/4	1/4	1/4	1/4	1/4	5,222.44	1/4	4,860.06	1/4	4,482.70	1/4	4,095.09	1/4	3,706.98	1/4	3,318.87	1/4	2,930.61	
1/2	1/2	1/2	1/2	1/2	1/2	5,215.06	1/2	4,852.36	1/2	4,474.70	1/2	4,087.01	1/2	3,698.89	1/2	3,310.78	1/2	2,922.52	
3/4	3/4	3/4	3/4	3/4	3/4	5,207.66	3/4	4,844.63	3/4	4,466.67	3/4	4,078.92	3/4	3,690.81	3/4	3,302.69	3/4	2,914.43	
6	6	6	6	6	6	5,200.25	6	4,836.91	6	4,458.64	6	4,070.84	6	3,682.72	6	3,294.61	6	2,906.34	
1/4	1/4	1/4	1/4	1/4	1/4	5,192.85	1/4	4,829.18	1/4	4,450.61	1/4	4,062.75	1/4	3,674.64	1/4	3,286.52	1/4	2,898.25	
1/2	1/2	1/2	1/2	5,540.11	1/2	5,185.44	1/2	4,821.46	1/2	4,442.59	1/2	4,054.66	1/2	3,666.55	1/2	3,278.44	1/2	2,890.16	
3/4	3/4	3/4	3/4	5,534.78	3/4	5,178.01	3/4	4,813.71	3/4	4,434.54	3/4	4,046.58	3/4	3,658.47	3/4	3,270.35	3/4	2,882.07	
7	7	7	7	5,529.45	7	5,170.59	7	4,805.96	7	4,426.49	7	4,038.49	7	3,650.38	7	3,262.27	7	2,873.98	
1/4	1/4	1/4	1/4	5,524.12	1/4	5,163.16	1/4	4,798.21	1/4	4,418.44	1/4	4,030.41	1/4	3,642.29	1/4	3,254.18	1/4	2,865.89	
1/2	1/2	1/2	1/2	5,518.78	1/2	5,155.73	1/2	4,790.47	1/2	4,410.38	1/2	4,022.32	1/2	3,634.21	1/2	3,246.09	1/2	2,857.81	
3/4	3/4	3/4	3/4	5,511.65	3/4	5,148.28	3/4	4,782.69	3/4	4,402.31	3/4	4,014.24	3/4	3,626.12	3/4	3,238.01	3/4	2,849.72	
8	8	8	8	5,504.52	8	5,140.83	8	4,774.92	8	4,394.24	8	4,006.15	8	3,618.04	8	3,229.92	8	2,841.63	
1/4	1/4	1/4	1/4	5,497.39	1/4	5,133.38	1/4	4,767.15	1/4	4,386.17	1/4	3,998.06	1/4	3,609.95	1/4	3,221.84	1/4	2,833.54	
1/2	1/2	1/2	1/2	5,490.26	1/2	5,125.93	1/2	4,759.38	1/2	4,378.09	1/2	3,989.98	1/2	3,601.87	1/2	3,213.75	1/2	2,825.45	
3/4	3/4	3/4	3/4	5,482.23	3/4	5,118.45	3/4	4,751.58	3/4	4,370.01	3/4	3,981.89	3/4	3,593.78	3/4	3,205.66	3/4	2,817.36	
9	9	9	9	5,474.21	9	5,110.98	9	4,743.79	9	4,361.92	9	3,973.81	9	3,585.69	9	3,197.57	9	2,809.27	
1/4	1/4	1/4	1/4	5,466.18	1/4	5,103.50	1/4	4,735.99	1/4	4,353.84	1/4	3,965.72	1/4	3,577.61	1/4	3,189.48	1/4	2,801.18	
1/2	1/2	1/2	1/2	5,458.15	1/2	5,096.03	1/2	4,728.20	1/2	4,345.75	1/2	3,957.64	1/2	3,569.52	1/2	3,181.39	1/2	2,793.09	
3/4	3/4	3/4	3/4	5,450.12	3/4	5,088.53	3/4	4,720.36	3/4	4,337.66	3/4	3,949.55	3/4	3,561.44	3/4	3,173.30	3/4	2,785.00	
10	10	10	10	5,442.09	10	5,081.03	10	4,712.52	10	4,329.58	10	3,941.47	10	3,553.35	10	3,165.21	10	2,776.91	
1/4	1/4	1/4	1/4	5,434.06	1/4	5,073.53	1/4	4,704.68	1/4	4,321.49	1/4	3,933.38	1/4	3,545.27	1/4	3,157.12	1/4	2,768.82	
1/2	1/2	1/2	1/2	5,426.04	1/2	5,066.03	1/2	4,696.84	1/2	4,313.41	1/2	3,925.29	1/2	3,537.18	1/2	3,149.03	1/2	2,760.73	
3/4	3/4	3/4	3/4	5,418.01	3/4	5,058.47	3/4	4,688.98	3/4	4,305.32	3/4	3,917.21	3/4	3,529.09	3/4	3,140.94	3/4	2,752.64	
11	11	11	11	5,409.98	11	5,050.91	11	4,681.11	11	4,297.24	11	3,909.12	11	3,521.01	11	3,132.86	11	2,744.55	
1/4	1/4	1/4	1/4	5,401.95	1/4	5,043.35	1/4	4,673.25	1/4	4,289.15	1/4	3,901.04	1/4	3,512.92	1/4	3,124.77	1/4	2,736.46	
1/2	1/2	1/2	1/2	5,393.92	1/2	5,035.79	1/2	4,665.38	1/2	4,281.06	1/2	3,892.95	1/2	3,504.84	1/2	3,116.68	1/2	2,728.37	
3/4	3/4	3/4	3/4	5,385.90	3/4	5,028.21	3/4	4,657.50	3/4	4,272.98	3/4	3,884.87	3/4	3,496.75	3/4	3,108.59	3/4	2,720.28	

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 10'-09" OFF CENTERLINE AND 51'-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 "KIRBY 29046"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTCO 344

GAUGE HEIGHT 17'-00 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	2,712.19	0	2,323.89	0	1,935.58	0	1,547.27	0	1,163.01	0	785.04	0	396.75	0	23.73	0		0	
1/4	2,704.10	1/4	2,315.80	1/4	1,927.49	1/4	1,539.18	1/4	1,155.22	1/4	776.96	1/4	388.66	1/4	19.24	1/4		1/4	
1/2	2,696.01	1/2	2,307.71	1/2	1,919.40	1/2	1,531.09	1/2	1,147.43	1/2	768.87	1/2	380.57	1/2	14.75	1/2		1/2	
3/4	2,687.92	3/4	2,299.62	3/4	1,911.31	3/4	1,523.00	3/4	1,139.64	3/4	760.78	3/4	372.48	3/4		3/4		3/4	
1	2,679.83	1	2,291.53	1	1,903.22	1	1,514.92	1	1,131.86	1	752.69	1	364.39	1		1		1	
1/4	2,671.74	1/4	2,283.44	1/4	1,895.13	1/4	1,506.83	1/4	1,124.07	1/4	744.60	1/4	356.30	1/4		1/4		1/4	
1/2	2,663.65	1/2	2,275.35	1/2	1,887.04	1/2	1,498.74	1/2	1,116.29	1/2	736.51	1/2	348.21	1/2		1/2		1/2	
3/4	2,655.56	3/4	2,267.26	3/4	1,878.95	3/4	1,490.65	3/4	1,108.50	3/4	728.42	3/4	340.12	3/4		3/4		3/4	
2	2,647.47	2	2,259.17	2	1,870.86	2	1,482.56	2	1,100.72	2	720.33	2	332.03	2		2		2	
1/4	2,639.38	1/4	2,251.08	1/4	1,862.77	1/4	1,474.47	1/4	1,092.93	1/4	712.24	1/4	323.94	1/4		1/4		1/4	
1/2	2,631.29	1/2	2,242.99	1/2	1,854.68	1/2	1,466.38	1/2	1,085.14	1/2	704.15	1/2	315.85	1/2		1/2		1/2	
3/4	2,623.20	3/4	2,234.90	3/4	1,846.59	3/4	1,458.29	3/4	1,077.36	3/4	696.06	3/4	307.76	3/4		3/4		3/4	
3	2,615.11	3	2,226.81	3	1,838.50	3	1,450.20	3	1,069.57	3	687.97	3	299.67	3		3		3	
1/4	2,607.02	1/4	2,218.72	1/4	1,830.41	1/4	1,442.11	1/4	1,061.79	1/4	679.88	1/4	291.59	1/4		1/4		1/4	
1/2	2,598.93	1/2	2,210.63	1/2	1,822.32	1/2	1,434.02	1/2	1,054.00	1/2	671.79	1/2	283.50	1/2		1/2		1/2	
3/4	2,590.85	3/4	2,202.54	3/4	1,814.23	3/4	1,425.93	3/4	1,046.22	3/4	663.70	3/4	275.41	3/4		3/4		3/4	
4	2,582.76	4	2,194.45	4	1,806.14	4	1,417.84	4	1,038.43	4	655.61	4	267.32	4		4		4	
1/4	2,574.67	1/4	2,186.36	1/4	1,798.05	1/4	1,409.75	1/4	1,030.65	1/4	647.52	1/4	259.23	1/4		1/4		1/4	
1/2	2,566.58	1/2	2,178.27	1/2	1,789.96	1/2	1,401.66	1/2	1,022.86	1/2	639.43	1/2	251.14	1/2		1/2		1/2	
3/4	2,558.49	3/4	2,170.18	3/4	1,781.88	3/4	1,393.57	3/4	1,015.08	3/4	631.34	3/4	243.05	3/4		3/4		3/4	
5	2,550.40	5	2,162.09	5	1,773.79	5	1,385.48	5	1,007.29	5	623.25	5	234.96	5		5		5	
1/4	2,542.31	1/4	2,154.00	1/4	1,765.70	1/4	1,377.39	1/4	999.51	1/4	615.17	1/4	226.87	1/4		1/4		1/4	
1/2	2,534.22	1/2	2,145.91	1/2	1,757.61	1/2	1,369.30	1/2	991.72	1/2	607.08	1/2	218.78	1/2		1/2		1/2	
3/4	2,526.13	3/4	2,137.82	3/4	1,749.52	3/4	1,361.21	3/4	983.94	3/4	598.99	3/4	210.69	3/4		3/4		3/4	
6	2,518.04	6	2,129.73	6	1,741.43	6	1,353.12	6	976.15	6	590.90	6	202.60	6		6		6	
1/4	2,509.95	1/4	2,121.64	1/4	1,733.34	1/4	1,345.03	1/4	968.37	1/4	582.81	1/4	194.51	1/4		1/4		1/4	
1/2	2,501.86	1/2	2,113.55	1/2	1,725.25	1/2	1,336.94	1/2	960.58	1/2	574.72	1/2	186.42	1/2		1/2		1/2	
3/4	2,493.77	3/4	2,105.46	3/4	1,717.16	3/4	1,328.85	3/4	952.79	3/4	566.63	3/4	178.33	3/4		3/4		3/4	
7	2,485.68	7	2,097.37	7	1,709.07	7	1,320.76	7	945.01	7	558.54	7	170.24	7		7		7	
1/4	2,477.59	1/4	2,089.28	1/4	1,700.98	1/4	1,312.67	1/4	937.22	1/4	550.45	1/4	162.15	1/4		1/4		1/4	
1/2	2,469.50	1/2	2,081.19	1/2	1,692.89	1/2	1,304.58	1/2	929.44	1/2	542.36	1/2	154.06	1/2		1/2		1/2	
3/4	2,461.41	3/4	2,073.10	3/4	1,684.80	3/4	1,296.49	3/4	921.65	3/4	534.27	3/4	145.97	3/4		3/4		3/4	
8	2,453.32	8	2,065.01	8	1,676.71	8	1,288.40	8	913.87	8	526.18	8	137.88	8		8		8	
1/4	2,445.23	1/4	2,056.92	1/4	1,668.62	1/4	1,280.31	1/4	906.08	1/4	518.09	1/4	129.80	1/4		1/4		1/4	
1/2	2,437.14	1/2	2,048.84	1/2	1,660.53	1/2	1,272.22	1/2	898.30	1/2	510.00	1/2	121.71	1/2		1/2		1/2	
3/4	2,429.05	3/4	2,040.75	3/4	1,652.44	3/4	1,264.13	3/4	890.21	3/4	501.91	3/4	113.62	3/4		3/4		3/4	
9	2,420.96	9	2,032.66	9	1,644.35	9	1,256.04	9	882.12	9	493.82	9	105.53	9		9		9	
1/4	2,412.87	1/4	2,024.57	1/4	1,636.26	1/4	1,248.00	1/4	874.03	1/4	485.73	1/4	97.44	1/4		1/4		1/4	
1/2	2,404.78	1/2	2,016.48	1/2	1,628.17	1/2	1,240.00	1/2	865.94	1/2	477.64	1/2	89.35	1/2		1/2		1/2	
3/4	2,396.69	3/4	2,008.39	3/4	1,620.08	3/4	1,233.19	3/4	857.85	3/4	469.55	3/4	81.48	3/4		3/4		3/4	
10	2,388.60	10	2,000.30	10	1,611.99	10	1,225.38	10	849.76	10	461.46	10	73.62	10		10		10	
1/4	2,380.51	1/4	1,992.21	1/4	1,603.90	1/4	1,217.58	1/4	841.67	1/4	453.38	1/4	65.75	1/4		1/4		1/4	
1/2	2,372.42	1/2	1,984.12	1/2	1,595.81	1/2	1,209.77	1/2	833.58	1/2	445.29	1/2	57.89	1/2		1/2		1/2	
3/4	2,364.33	3/4	1,976.03	3/4	1,587.72	3/4	1,201.98	3/4	825.49	3/4	437.20	3/4	51.60	3/4		3/4		3/4	
11	2,356.24	11	1,967.94	11	1,579.63	11	1,194.18	11	817.40	11	429.11	11	45.31	11		11		11	
1/4	2,348.15	1/4	1,959.85	1/4	1,571.54	1/4	1,186.39	1/4	809.31	1/4	421.02	1/4	39.01	1/4		1/4		1/4	
1/2	2,340.06	1/2	1,951.76	1/2	1,563.45	1/2	1,178.60	1/2	801.22	1/2	412.93	1/2	32.72	1/2		1/2		1/2	
3/4	2,331.97	3/4	1,943.67	3/4	1,555.36	3/4	1,170.81	3/4	793.13	3/4	404.84	3/4	28.23	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/26/2016 PMA
RECALCULATED: 08/26/2021 PMA
NAME CHANGE: 08/26/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2021

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 29046"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTCO 344

GAUGE HEIGHT 17'-00 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,733.89	0	2,345.63	0	1,957.37	0	1,569.11	0	1,180.87	0	793.05	0	404.79	0	28.22	0		0	
1/4	2,725.80	1/4	2,337.54	1/4	1,949.28	1/4	1,561.02	1/4	1,172.79	1/4	784.96	1/4	396.70	1/4	23.73	1/4		1/4	
1/2	2,717.72	1/2	2,329.45	1/2	1,941.19	1/2	1,552.93	1/2	1,164.71	1/2	776.87	1/2	388.62	1/2	19.24	1/2		1/2	
3/4	2,709.63	3/4	2,321.36	3/4	1,933.10	3/4	1,544.84	3/4	1,156.62	3/4	768.78	3/4	380.53	3/4	14.75	3/4		3/4	
1	2,701.54	1	2,313.28	1	1,925.01	1	1,536.75	1	1,148.55	1	760.69	1	372.44	1		1		1	
1/4	2,693.45	1/4	2,305.19	1/4	1,916.92	1/4	1,528.66	1/4	1,140.47	1/4	752.60	1/4	364.35	1/4		1/4		1/4	
1/2	2,685.36	1/2	2,297.10	1/2	1,908.84	1/2	1,520.57	1/2	1,132.40	1/2	744.51	1/2	356.26	1/2		1/2		1/2	
3/4	2,677.27	3/4	2,289.01	3/4	1,900.75	3/4	1,512.48	3/4	1,124.32	3/4	736.43	3/4	348.17	3/4		3/4		3/4	
2	2,669.18	2	2,280.92	2	1,892.66	2	1,504.40	2	1,116.24	2	728.34	2	340.08	2		2		2	
1/4	2,661.09	1/4	2,272.83	1/4	1,884.57	1/4	1,496.31	1/4	1,108.17	1/4	720.25	1/4	332.00	1/4		1/4		1/4	
1/2	2,653.00	1/2	2,264.74	1/2	1,876.48	1/2	1,488.22	1/2	1,100.09	1/2	712.16	1/2	323.91	1/2		1/2		1/2	
3/4	2,644.92	3/4	2,256.65	3/4	1,868.39	3/4	1,480.13	3/4	1,092.02	3/4	704.07	3/4	315.82	3/4		3/4		3/4	
3	2,636.83	3	2,248.56	3	1,860.30	3	1,472.04	3	1,083.94	3	695.98	3	307.73	3		3		3	
1/4	2,628.74	1/4	2,240.48	1/4	1,852.21	1/4	1,463.95	1/4	1,075.87	1/4	687.89	1/4	299.64	1/4		1/4		1/4	
1/2	2,620.65	1/2	2,232.39	1/2	1,844.12	1/2	1,455.86	1/2	1,067.79	1/2	679.81	1/2	291.55	1/2		1/2		1/2	
3/4	2,612.56	3/4	2,224.30	3/4	1,836.04	3/4	1,447.77	3/4	1,059.71	3/4	671.72	3/4	283.46	3/4		3/4		3/4	
4	2,604.47	4	2,216.21	4	1,827.95	4	1,439.68	4	1,051.64	4	663.63	4	275.38	4		4		4	
1/4	2,596.38	1/4	2,208.12	1/4	1,819.86	1/4	1,431.60	1/4	1,043.56	1/4	655.54	1/4	267.29	1/4		1/4		1/4	
1/2	2,588.29	1/2	2,200.03	1/2	1,811.77	1/2	1,423.51	1/2	1,035.49	1/2	647.45	1/2	259.20	1/2		1/2		1/2	
3/4	2,580.21	3/4	2,191.94	3/4	1,803.68	3/4	1,415.42	3/4	1,027.41	3/4	639.36	3/4	251.11	3/4		3/4		3/4	
5	2,572.12	5	2,183.85	5	1,795.59	5	1,407.33	5	1,019.33	5	631.27	5	243.02	5		5		5	
1/4	2,564.03	1/4	2,175.77	1/4	1,787.50	1/4	1,399.24	1/4	1,011.26	1/4	623.19	1/4	234.93	1/4		1/4		1/4	
1/2	2,555.94	1/2	2,167.68	1/2	1,779.41	1/2	1,391.15	1/2	1,003.18	1/2	615.10	1/2	226.84	1/2		1/2		1/2	
3/4	2,547.85	3/4	2,159.59	3/4	1,771.33	3/4	1,383.06	3/4	995.11	3/4	607.01	3/4	218.76	3/4		3/4		3/4	
6	2,539.76	6	2,151.50	6	1,763.24	6	1,374.97	6	987.03	6	598.92	6	210.67	6		6		6	
1/4	2,531.67	1/4	2,143.41	1/4	1,755.15	1/4	1,366.89	1/4	978.96	1/4	590.83	1/4	202.58	1/4		1/4		1/4	
1/2	2,523.58	1/2	2,135.32	1/2	1,747.06	1/2	1,358.80	1/2	970.88	1/2	582.74	1/2	194.49	1/2		1/2		1/2	
3/4	2,515.50	3/4	2,127.23	3/4	1,738.97	3/4	1,350.71	3/4	962.80	3/4	574.65	3/4	186.40	3/4		3/4		3/4	
7	2,507.41	7	2,119.14	7	1,730.88	7	1,342.62	7	954.73	7	566.57	7	178.31	7		7		7	
1/4	2,499.32	1/4	2,111.06	1/4	1,722.79	1/4	1,334.53	1/4	946.65	1/4	558.48	1/4	170.22	1/4		1/4		1/4	
1/2	2,491.23	1/2	2,102.97	1/2	1,714.70	1/2	1,326.44	1/2	938.58	1/2	550.39	1/2	162.14	1/2		1/2		1/2	
3/4	2,483.14	3/4	2,094.88	3/4	1,706.62	3/4	1,318.35	3/4	930.50	3/4	542.30	3/4	154.05	3/4		3/4		3/4	
8	2,475.05	8	2,086.79	8	1,698.53	8	1,310.26	8	922.43	8	534.21	8	145.96	8		8		8	
1/4	2,466.96	1/4	2,078.70	1/4	1,690.44	1/4	1,302.18	1/4	914.35	1/4	526.12	1/4	137.87	1/4		1/4		1/4	
1/2	2,458.87	1/2	2,070.61	1/2	1,682.35	1/2	1,294.09	1/2	906.27	1/2	518.03	1/2	129.78	1/2		1/2		1/2	
3/4	2,450.78	3/4	2,062.52	3/4	1,674.26	3/4	1,286.00	3/4	898.20	3/4	509.94	3/4	121.69	3/4		3/4		3/4	
9	2,442.70	9	2,054.43	9	1,666.17	9	1,277.91	9	890.11	9	501.86	9	113.60	9		9		9	
1/4	2,434.61	1/4	2,046.34	1/4	1,658.08	1/4	1,269.82	1/4	882.02	1/4	493.77	1/4	105.51	1/4		1/4		1/4	
1/2	2,426.52	1/2	2,038.26	1/2	1,649.99	1/2	1,261.73	1/2	873.93	1/2	485.68	1/2	97.43	1/2		1/2		1/2	
3/4	2,418.43	3/4	2,030.17	3/4	1,641.90	3/4	1,253.64	3/4	865.84	3/4	477.59	3/4	89.34	3/4		3/4		3/4	
10	2,410.34	10	2,022.08	10	1,633.82	10	1,245.55	10	857.75	10	469.50	10	81.47	10		10		10	
1/4	2,402.25	1/4	2,013.99	1/4	1,625.73	1/4	1,237.46	1/4	849.67	1/4	461.41	1/4	73.61	1/4		1/4		1/4	
1/2	2,394.16	1/2	2,005.90	1/2	1,617.64	1/2	1,229.38	1/2	841.58	1/2	453.32	1/2	65.75	1/2		1/2		1/2	
3/4	2,386.07	3/4	1,997.81	3/4	1,609.55	3/4	1,221.29	3/4	833.49	3/4	445.24	3/4	57.88	3/4		3/4		3/4	
11	2,377.99	11	1,989.72	11	1,601.46	11	1,213.20	11	825.40	11	437.15	11	51.59	11		11		11	
1/4	2,369.90	1/4	1,981.63	1/4	1,593.37	1/4	1,205.12	1/4	817.31	1/4	429.06	1/4	45.30	1/4		1/4		1/4	
1/2	2,361.81	1/2	1,973.55	1/2	1,585.28	1/2	1,197.04	1/2	809.22	1/2	420.97	1/2	39.01	1/2		1/2		1/2	
3/4	2,353.72	3/4	1,965.46	3/4	1,577.19	3/4	1,188.96	3/4	801.13	3/4	412.88	3/4	32.72	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/26/2016 PMA
RECALCULATED: 08/26/2021 PMA
NAME CHANGE: 08/26/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2021

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 29046"

3 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTCO 344

GAUGE HEIGHT 17'-01"

Table with 19 columns (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.) and 19 rows of data. Each row contains 19 values representing capacity in barrels at various gauge heights and distances.

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 10'-09" OFF CENTERLINE AND 45'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "KIRBY 29046"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTCO 344

GAUGE HEIGHT 17'-01"

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	2,531.36	0	2,172.92	0	1,814.76	0	1,454.35	0	1,096.50	0	744.27	0	383.67	0	30.47	0		0	
1/4	2,523.85	1/4	2,165.48	1/4	1,807.26	1/4	1,446.84	1/4	1,089.21	1/4	736.76	1/4	376.16	1/4	26.29	1/4		1/4	
1/2	2,516.34	1/2	2,158.03	1/2	1,799.75	1/2	1,439.33	1/2	1,081.93	1/2	729.25	1/2	368.65	1/2	22.11	1/2		1/2	
3/4	2,508.83	3/4	2,150.58	3/4	1,792.24	3/4	1,431.82	3/4	1,074.64	3/4	721.73	3/4	361.13	3/4	17.93	3/4		3/4	
1	2,501.32	1	2,143.14	1	1,784.73	1	1,424.31	1	1,067.36	1	714.22	1	353.62	1	13.74	1		1	
1/4	2,493.85	1/4	2,135.69	1/4	1,777.22	1/4	1,416.80	1/4	1,060.08	1/4	706.71	1/4	346.11	1/4		1/4		1/4	
1/2	2,486.38	1/2	2,128.25	1/2	1,769.71	1/2	1,409.29	1/2	1,052.80	1/2	699.19	1/2	338.60	1/2		1/2		1/2	
3/4	2,478.91	3/4	2,120.80	3/4	1,762.20	3/4	1,401.79	3/4	1,045.52	3/4	691.68	3/4	331.09	3/4		3/4		3/4	
2	2,471.44	2	2,113.35	2	1,754.69	2	1,394.28	2	1,038.24	2	684.17	2	323.58	2		2		2	
1/4	2,463.97	1/4	2,105.91	1/4	1,747.19	1/4	1,386.77	1/4	1,030.96	1/4	676.66	1/4	316.06	1/4		1/4		1/4	
1/2	2,456.50	1/2	2,098.46	1/2	1,739.68	1/2	1,379.26	1/2	1,023.68	1/2	669.14	1/2	308.55	1/2		1/2		1/2	
3/4	2,449.03	3/4	2,091.02	3/4	1,732.17	3/4	1,371.75	3/4	1,016.40	3/4	661.63	3/4	301.04	3/4		3/4		3/4	
3	2,441.56	3	2,083.57	3	1,724.66	3	1,364.24	3	1,009.12	3	654.12	3	293.53	3		3		3	
1/4	2,434.09	1/4	2,076.12	1/4	1,717.15	1/4	1,356.73	1/4	1,001.84	1/4	646.60	1/4	286.02	1/4		1/4		1/4	
1/2	2,426.62	1/2	2,068.68	1/2	1,709.64	1/2	1,349.22	1/2	994.57	1/2	639.09	1/2	278.51	1/2		1/2		1/2	
3/4	2,419.15	3/4	2,061.23	3/4	1,702.13	3/4	1,341.72	3/4	987.29	3/4	631.58	3/4	270.99	3/4		3/4		3/4	
4	2,411.68	4	2,053.79	4	1,694.63	4	1,334.21	4	980.01	4	624.07	4	263.48	4		4		4	
1/4	2,404.21	1/4	2,046.34	1/4	1,687.12	1/4	1,326.70	1/4	972.73	1/4	616.55	1/4	255.97	1/4		1/4		1/4	
1/2	2,396.74	1/2	2,038.89	1/2	1,679.61	1/2	1,319.19	1/2	965.45	1/2	609.04	1/2	248.46	1/2		1/2		1/2	
3/4	2,389.27	3/4	2,031.45	3/4	1,672.10	3/4	1,311.68	3/4	958.17	3/4	601.53	3/4	240.95	3/4		3/4		3/4	
5	2,381.80	5	2,024.00	5	1,664.59	5	1,304.17	5	950.89	5	594.01	5	233.44	5		5		5	
1/4	2,374.33	1/4	2,016.56	1/4	1,657.08	1/4	1,296.66	1/4	943.61	1/4	586.50	1/4	225.92	1/4		1/4		1/4	
1/2	2,366.86	1/2	2,009.11	1/2	1,649.57	1/2	1,289.16	1/2	936.33	1/2	578.99	1/2	218.41	1/2		1/2		1/2	
3/4	2,359.39	3/4	2,001.67	3/4	1,642.06	3/4	1,281.65	3/4	929.05	3/4	571.48	3/4	210.90	3/4		3/4		3/4	
6	2,351.92	6	1,994.22	6	1,634.56	6	1,274.14	6	921.78	6	563.96	6	203.38	6		6		6	
1/4	2,344.45	1/4	1,986.77	1/4	1,627.05	1/4	1,266.63	1/4	914.50	1/4	556.45	1/4	195.87	1/4		1/4		1/4	
1/2	2,336.97	1/2	1,979.33	1/2	1,619.54	1/2	1,259.12	1/2	907.22	1/2	548.94	1/2	188.36	1/2		1/2		1/2	
3/4	2,329.50	3/4	1,971.88	3/4	1,612.03	3/4	1,251.61	3/4	899.94	3/4	541.42	3/4	180.85	3/4		3/4		3/4	
7	2,322.03	7	1,964.44	7	1,604.52	7	1,244.10	7	892.66	7	533.91	7	173.33	7		7		7	
1/4	2,314.56	1/4	1,956.99	1/4	1,597.01	1/4	1,236.59	1/4	885.38	1/4	526.40	1/4	165.82	1/4		1/4		1/4	
1/2	2,307.09	1/2	1,949.54	1/2	1,589.50	1/2	1,229.09	1/2	878.10	1/2	518.89	1/2	158.31	1/2		1/2		1/2	
3/4	2,299.62	3/4	1,942.10	3/4	1,581.99	3/4	1,221.58	3/4	870.82	3/4	511.37	3/4	150.79	3/4		3/4		3/4	
8	2,292.15	8	1,934.65	8	1,574.49	8	1,214.07	8	863.54	8	503.86	8	143.28	8		8		8	
1/4	2,284.68	1/4	1,927.21	1/4	1,566.98	1/4	1,206.56	1/4	856.26	1/4	496.35	1/4	135.76	1/4		1/4		1/4	
1/2	2,277.21	1/2	1,919.76	1/2	1,559.47	1/2	1,199.05	1/2	848.99	1/2	488.83	1/2	128.25	1/2		1/2		1/2	
3/4	2,269.74	3/4	1,912.31	3/4	1,551.96	3/4	1,191.54	3/4	841.71	3/4	481.32	3/4	120.73	3/4		3/4		3/4	
9	2,262.27	9	1,904.87	9	1,544.45	9	1,184.03	9	834.43	9	473.81	9	113.22	9		9		9	
1/4	2,254.83	1/4	1,897.36	1/4	1,536.94	1/4	1,176.74	1/4	826.91	1/4	466.30	1/4	105.70	1/4		1/4		1/4	
1/2	2,247.38	1/2	1,889.85	1/2	1,529.43	1/2	1,169.44	1/2	819.40	1/2	458.78	1/2	98.18	1/2		1/2		1/2	
3/4	2,239.93	3/4	1,882.34	3/4	1,521.93	3/4	1,162.14	3/4	811.89	3/4	451.27	3/4	90.66	3/4		3/4		3/4	
10	2,232.49	10	1,874.83	10	1,514.42	10	1,154.84	10	804.38	10	443.76	10	83.14	10		10		10	
1/4	2,225.04	1/4	1,867.33	1/4	1,506.91	1/4	1,147.54	1/4	796.86	1/4	436.25	1/4	75.82	1/4		1/4		1/4	
1/2	2,217.60	1/2	1,859.82	1/2	1,499.40	1/2	1,140.24	1/2	789.35	1/2	428.74	1/2	68.51	1/2		1/2		1/2	
3/4	2,210.15	3/4	1,852.31	3/4	1,491.89	3/4	1,132.94	3/4	781.84	3/4	421.23	3/4	61.19	3/4		3/4		3/4	
11	2,202.70	11	1,844.80	11	1,484.38	11	1,125.65	11	774.32	11	413.72	11	53.88	11		11		11	
1/4	2,195.26	1/4	1,837.29	1/4	1,476.87	1/4	1,118.36	1/4	766.81	1/4	406.20	1/4	48.03	1/4		1/4		1/4	
1/2	2,187.81	1/2	1,829.78	1/2	1,469.36	1/2	1,111.07	1/2	759.30	1/2	398.69	1/2	42.17	1/2		1/2		1/2	
3/4	2,180.37	3/4	1,822.27	3/4	1,461.86	3/4	1,103.79	3/4	751.79	3/4	391.18	3/4	36.32	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/26/2016 PMA
RECALCULATED: 08/26/2021 PMA
NAME CHANGE: 08/26/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2021

PRECISION MEASUREMENT
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P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 29046"

3 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTCO 344

GAUGE HEIGHT 17'-00 1/2"

Table with columns for height (IN) and capacity (0 FT. to 9 FT.) for various gauge readings (0, 1/4, 1/2, 3/4). Includes capacity values in barrels of 42 U.S. gallons.

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 10'-09" OFF CENTERLINE AND 45'-00" FORWARD OF AFT BULKHEAD.

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BARGE "KIRBY 29046"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTCO 344

GAUGE HEIGHT 17'-00 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	2,516.64	0	2,158.29	0	1,799.96	0	1,439.50	0	1,082.05	0	729.33	0	368.68	0	22.10	0		0	
1/4	2,509.13	1/4	2,150.84	1/4	1,792.45	1/4	1,431.99	1/4	1,074.76	1/4	721.81	1/4	361.17	1/4	17.92	1/4		1/4	
1/2	2,501.62	1/2	2,143.39	1/2	1,784.95	1/2	1,424.48	1/2	1,067.48	1/2	714.30	1/2	353.66	1/2	13.74	1/2		1/2	
3/4	2,494.15	3/4	2,135.95	3/4	1,777.44	3/4	1,416.97	3/4	1,060.20	3/4	706.78	3/4	346.14	3/4		3/4		3/4	
1	2,486.67	1	2,128.50	1	1,769.93	1	1,409.46	1	1,052.92	1	699.27	1	338.63	1		1		1	
1/4	2,479.20	1/4	2,121.05	1/4	1,762.42	1/4	1,401.95	1/4	1,045.64	1/4	691.76	1/4	331.12	1/4		1/4		1/4	
1/2	2,471.73	1/2	2,113.61	1/2	1,754.91	1/2	1,394.44	1/2	1,038.36	1/2	684.24	1/2	323.61	1/2		1/2		1/2	
3/4	2,464.26	3/4	2,106.16	3/4	1,747.40	3/4	1,386.93	3/4	1,031.08	3/4	676.73	3/4	316.09	3/4		3/4		3/4	
2	2,456.79	2	2,098.71	2	1,739.89	2	1,379.42	2	1,023.80	2	669.22	2	308.58	2		2		2	
1/4	2,449.32	1/4	2,091.27	1/4	1,732.38	1/4	1,371.91	1/4	1,016.52	1/4	661.70	1/4	301.07	1/4		1/4		1/4	
1/2	2,441.85	1/2	2,083.82	1/2	1,724.87	1/2	1,364.40	1/2	1,009.24	1/2	654.19	1/2	293.56	1/2		1/2		1/2	
3/4	2,434.38	3/4	2,076.37	3/4	1,717.36	3/4	1,356.89	3/4	1,001.96	3/4	646.67	3/4	286.04	3/4		3/4		3/4	
3	2,426.91	3	2,068.93	3	1,709.85	3	1,349.38	3	994.68	3	639.16	3	278.53	3		3		3	
1/4	2,419.44	1/4	2,061.48	1/4	1,702.34	1/4	1,341.87	1/4	987.40	1/4	631.65	1/4	271.02	1/4		1/4		1/4	
1/2	2,411.96	1/2	2,054.03	1/2	1,694.83	1/2	1,334.36	1/2	980.12	1/2	624.13	1/2	263.51	1/2		1/2		1/2	
3/4	2,404.49	3/4	2,046.59	3/4	1,687.32	3/4	1,326.85	3/4	972.84	3/4	616.62	3/4	255.99	3/4		3/4		3/4	
4	2,397.02	4	2,039.14	4	1,679.81	4	1,319.34	4	965.56	4	609.11	4	248.48	4		4		4	
1/4	2,389.55	1/4	2,031.69	1/4	1,672.30	1/4	1,311.83	1/4	958.28	1/4	601.59	1/4	240.97	1/4		1/4		1/4	
1/2	2,382.08	1/2	2,024.25	1/2	1,664.79	1/2	1,304.32	1/2	951.00	1/2	594.08	1/2	233.46	1/2		1/2		1/2	
3/4	2,374.61	3/4	2,016.80	3/4	1,657.28	3/4	1,296.81	3/4	943.72	3/4	586.56	3/4	225.94	3/4		3/4		3/4	
5	2,367.14	5	2,009.35	5	1,649.77	5	1,289.30	5	936.44	5	579.05	5	218.43	5		5		5	
1/4	2,359.67	1/4	2,001.91	1/4	1,642.26	1/4	1,281.80	1/4	929.16	1/4	571.54	1/4	210.92	1/4		1/4		1/4	
1/2	2,352.20	1/2	1,994.46	1/2	1,634.75	1/2	1,274.29	1/2	921.88	1/2	564.02	1/2	203.40	1/2		1/2		1/2	
3/4	2,344.72	3/4	1,987.01	3/4	1,627.24	3/4	1,266.78	3/4	914.60	3/4	556.51	3/4	195.89	3/4		3/4		3/4	
6	2,337.25	6	1,979.57	6	1,619.73	6	1,259.27	6	907.32	6	549.00	6	188.37	6		6		6	
1/4	2,329.78	1/4	1,972.12	1/4	1,612.22	1/4	1,251.76	1/4	900.04	1/4	541.48	1/4	180.86	1/4		1/4		1/4	
1/2	2,322.31	1/2	1,964.67	1/2	1,604.71	1/2	1,244.25	1/2	892.76	1/2	533.97	1/2	173.35	1/2		1/2		1/2	
3/4	2,314.84	3/4	1,957.23	3/4	1,597.20	3/4	1,236.74	3/4	885.48	3/4	526.45	3/4	165.83	3/4		3/4		3/4	
7	2,307.37	7	1,949.78	7	1,589.69	7	1,229.23	7	878.20	7	518.94	7	158.32	7		7		7	
1/4	2,299.90	1/4	1,942.33	1/4	1,582.18	1/4	1,221.72	1/4	870.92	1/4	511.43	1/4	150.80	1/4		1/4		1/4	
1/2	2,292.43	1/2	1,934.89	1/2	1,574.67	1/2	1,214.21	1/2	863.64	1/2	503.91	1/2	143.29	1/2		1/2		1/2	
3/4	2,284.96	3/4	1,927.44	3/4	1,567.16	3/4	1,206.70	3/4	856.36	3/4	496.40	3/4	135.77	3/4		3/4		3/4	
8	2,277.48	8	1,919.99	8	1,559.65	8	1,199.19	8	849.08	8	488.88	8	128.26	8		8		8	
1/4	2,270.01	1/4	1,912.55	1/4	1,552.14	1/4	1,191.68	1/4	841.80	1/4	481.37	1/4	120.74	1/4		1/4		1/4	
1/2	2,262.54	1/2	1,905.10	1/2	1,544.63	1/2	1,184.17	1/2	834.52	1/2	473.86	1/2	113.23	1/2		1/2		1/2	
3/4	2,255.10	3/4	1,897.59	3/4	1,537.13	3/4	1,176.87	3/4	827.01	3/4	466.34	3/4	105.70	3/4		3/4		3/4	
9	2,247.65	9	1,890.08	9	1,529.62	9	1,169.57	9	819.49	9	458.83	9	98.18	9		9		9	
1/4	2,240.20	1/4	1,882.57	1/4	1,522.11	1/4	1,162.27	1/4	811.98	1/4	451.32	1/4	90.66	1/4		1/4		1/4	
1/2	2,232.76	1/2	1,875.06	1/2	1,514.60	1/2	1,154.97	1/2	804.46	1/2	443.81	1/2	83.14	1/2		1/2		1/2	
3/4	2,225.31	3/4	1,867.55	3/4	1,507.09	3/4	1,147.67	3/4	796.95	3/4	436.29	3/4	75.83	3/4		3/4		3/4	
10	2,217.86	10	1,860.04	10	1,499.58	10	1,140.37	10	789.44	10	428.78	10	68.51	10		10		10	
1/4	2,210.42	1/4	1,852.53	1/4	1,492.07	1/4	1,133.07	1/4	781.92	1/4	421.27	1/4	61.19	1/4		1/4		1/4	
1/2	2,202.97	1/2	1,845.02	1/2	1,484.56	1/2	1,125.77	1/2	774.41	1/2	413.76	1/2	53.88	1/2		1/2		1/2	
3/4	2,195.52	3/4	1,837.51	3/4	1,477.05	3/4	1,118.49	3/4	766.90	3/4	406.24	3/4	48.02	3/4		3/4		3/4	
11	2,188.07	11	1,830.00	11	1,469.54	11	1,111.20	11	759.38	11	398.73	11	42.17	11		11		11	
1/4	2,180.63	1/4	1,822.49	1/4	1,462.03	1/4	1,103.91	1/4	751.87	1/4	391.22	1/4	36.32	1/4		1/4		1/4	
1/2	2,173.18	1/2	1,814.98	1/2	1,454.52	1/2	1,096.63	1/2	744.35	1/2	383.71	1/2	30.46	1/2		1/2		1/2	
3/4	2,165.73	3/4	1,807.47	3/4	1,447.01	3/4	1,089.34	3/4	736.84	3/4	376.19	3/4	26.28	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/26/2016 PMA
RECALCULATED: 08/26/2021 PMA
NAME CHANGE: 08/26/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2021

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



BARGE "KIRBY 29046"

PORT SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "CTCO 344"

GAUGE HEIGHT 5'-02"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	0	1,048	0	2,096	0	3,131	0	4,126	0		0		0		0		0	
1/4	22	1/4	1,070	1/4	2,118	1/4	3,153	1/4	4,146	1/4		1/4		1/4		1/4		1/4	
1/2	44	1/2	1,092	1/2	2,140	1/2	3,174	1/2	4,166	1/2		1/2		1/2		1/2		1/2	
3/4	66	3/4	1,114	3/4	2,162	3/4	3,195	3/4	4,186	3/4		3/4		3/4		3/4		3/4	
1	87	1	1,135	1	2,183	1	3,216	1	4,207	1		1		1		1		1	
1/4	109	1/4	1,157	1/4	2,205	1/4	3,237	1/4	4,227	1/4		1/4		1/4		1/4		1/4	
1/2	131	1/2	1,179	1/2	2,227	1/2	3,258	1/2	4,247	1/2		1/2		1/2		1/2		1/2	
3/4	153	3/4	1,201	3/4	2,249	3/4	3,279	3/4	4,267	3/4		3/4		3/4		3/4		3/4	
2	175	2	1,223	2	2,271	2	3,300	2	4,287	2		2		2		2		2	
1/4	197	1/4	1,245	1/4	2,293	1/4	3,321	1/4	4,307	1/4		1/4		1/4		1/4		1/4	
1/2	218	1/2	1,266	1/2	2,314	1/2	3,342	1/2	4,327	1/2		1/2		1/2		1/2		1/2	
3/4	240	3/4	1,288	3/4	2,336	3/4	3,363	3/4	4,347	3/4		3/4		3/4		3/4		3/4	
3	262	3	1,310	3	2,358	3	3,384	3	4,367	3		3		3		3		3	
1/4	284	1/4	1,332	1/4	2,380	1/4	3,405	1/4	4,387	1/4		1/4		1/4		1/4		1/4	
1/2	306	1/2	1,354	1/2	2,402	1/2	3,426	1/2	4,408	1/2		1/2		1/2		1/2		1/2	
3/4	328	3/4	1,376	3/4	2,423	3/4	3,447	3/4	4,428	3/4		3/4		3/4		3/4		3/4	
4	349	4	1,397	4	2,445	4	3,468	4	4,448	4		4		4		4		4	
1/4	371	1/4	1,419	1/4	2,467	1/4	3,488	1/4	4,467	1/4		1/4		1/4		1/4		1/4	
1/2	393	1/2	1,441	1/2	2,489	1/2	3,509	1/2	4,487	1/2		1/2		1/2		1/2		1/2	
3/4	415	3/4	1,463	3/4	2,510	3/4	3,530	3/4	4,507	3/4		3/4		3/4		3/4		3/4	
5	437	5	1,485	5	2,532	5	3,551	5	4,527	5		5		5		5		5	
1/4	459	1/4	1,507	1/4	2,554	1/4	3,572	1/4	4,547	1/4		1/4		1/4		1/4		1/4	
1/2	480	1/2	1,528	1/2	2,575	1/2	3,592	1/2	4,567	1/2		1/2		1/2		1/2		1/2	
3/4	502	3/4	1,550	3/4	2,597	3/4	3,613	3/4	4,587	3/4		3/4		3/4		3/4		3/4	
6	524	6	1,572	6	2,618	6	3,634	6	4,607	6		6		6		6		6	
1/4	546	1/4	1,594	1/4	2,640	1/4	3,654	1/4	4,627	1/4		1/4		1/4		1/4		1/4	
1/2	568	1/2	1,616	1/2	2,662	1/2	3,675	1/2	4,646	1/2		1/2		1/2		1/2		1/2	
3/4	590	3/4	1,638	3/4	2,683	3/4	3,696	3/4	4,666	3/4		3/4		3/4		3/4		3/4	
7	611	7	1,659	7	2,705	7	3,717	7	4,686	7		7		7		7		7	
1/4	633	1/4	1,681	1/4	2,726	1/4	3,737	1/4	4,706	1/4		1/4		1/4		1/4		1/4	
1/2	655	1/2	1,703	1/2	2,748	1/2	3,758	1/2	4,725	1/2		1/2		1/2		1/2		1/2	
3/4	677	3/4	1,725	3/4	2,769	3/4	3,778	3/4	4,745	3/4		3/4		3/4		3/4		3/4	
8	699	8	1,747	8	2,791	8	3,799	8	4,765	8		8		8		8		8	
1/4	721	1/4	1,769	1/4	2,812	1/4	3,819	1/4	4,784	1/4		1/4		1/4		1/4		1/4	
1/2	742	1/2	1,790	1/2	2,833	1/2	3,840	1/2	4,804	1/2		1/2		1/2		1/2		1/2	
3/4	764	3/4	1,812	3/4	2,855	3/4	3,860	3/4	4,824	3/4		3/4		3/4		3/4		3/4	
9	786	9	1,834	9	2,876	9	3,881	9		9		9		9		9		9	
1/4	808	1/4	1,856	1/4	2,898	1/4	3,901	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	830	1/2	1,878	1/2	2,919	1/2	3,922	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	852	3/4	1,900	3/4	2,940	3/4	3,942	3/4		3/4		3/4		3/4		3/4		3/4	
10	873	10	1,921	10	2,962	10	3,963	10		10		10		10		10		10	
1/4	895	1/4	1,943	1/4	2,983	1/4	3,983	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	917	1/2	1,965	1/2	3,004	1/2	4,004	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	939	3/4	1,987	3/4	3,025	3/4	4,024	3/4		3/4		3/4		3/4		3/4		3/4	
11	961	11	2,009	11	3,047	11	4,044	11		11		11		11		11		11	
1/4	983	1/4	2,031	1/4	3,068	1/4	4,065	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,004	1/2	2,052	1/2	3,089	1/2	4,085	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,026	3/4	2,074	3/4	3,110	3/4	4,105	3/4		3/4		3/4		3/4		3/4		3/4	

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 AT GAUGE POINT.
GAUGE POINT - TOP LIP OF MANWAY

STRAPPED: 01/26/2016 CL
RECALCULATED: 08/26/2021 SW
NAME CHANGE: 08/26/2021 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2021

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 29046"

STBD SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "CTCO 344"

GAUGE HEIGHT 5'-02"

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	1,048	0	2,096	0	3,131	0	4,126	0		0	6 FT.	0	7 FT.	0	8 FT.	0	9 FT.
1/4	22	1/4	1,070	1/4	2,118	1/4	3,153	1/4	4,146	1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	44	1/2	1,092	1/2	2,140	1/2	3,174	1/2	4,166	1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	66	3/4	1,114	3/4	2,162	3/4	3,195	3/4	4,186	3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
1	87	1	1,135	1	2,183	1	3,216	1	4,207	1		1	6 FT.	1	7 FT.	1	8 FT.	1	9 FT.
1/4	109	1/4	1,157	1/4	2,205	1/4	3,237	1/4	4,227	1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	131	1/2	1,179	1/2	2,227	1/2	3,258	1/2	4,247	1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	153	3/4	1,201	3/4	2,249	3/4	3,279	3/4	4,267	3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
2	175	2	1,223	2	2,271	2	3,300	2	4,287	2		2	6 FT.	2	7 FT.	2	8 FT.	2	9 FT.
1/4	197	1/4	1,245	1/4	2,293	1/4	3,321	1/4	4,307	1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	218	1/2	1,266	1/2	2,314	1/2	3,342	1/2	4,327	1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	240	3/4	1,288	3/4	2,336	3/4	3,363	3/4	4,347	3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
3	262	3	1,310	3	2,358	3	3,384	3	4,367	3		3	6 FT.	3	7 FT.	3	8 FT.	3	9 FT.
1/4	284	1/4	1,332	1/4	2,380	1/4	3,405	1/4	4,387	1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	306	1/2	1,354	1/2	2,402	1/2	3,426	1/2	4,408	1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	328	3/4	1,376	3/4	2,423	3/4	3,447	3/4	4,428	3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
4	349	4	1,397	4	2,445	4	3,468	4	4,448	4		4	6 FT.	4	7 FT.	4	8 FT.	4	9 FT.
1/4	371	1/4	1,419	1/4	2,467	1/4	3,488	1/4	4,467	1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	393	1/2	1,441	1/2	2,489	1/2	3,509	1/2	4,487	1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	415	3/4	1,463	3/4	2,510	3/4	3,530	3/4	4,507	3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
5	437	5	1,485	5	2,532	5	3,551	5	4,527	5		5	6 FT.	5	7 FT.	5	8 FT.	5	9 FT.
1/4	459	1/4	1,507	1/4	2,554	1/4	3,572	1/4	4,547	1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	480	1/2	1,528	1/2	2,575	1/2	3,592	1/2	4,567	1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	502	3/4	1,550	3/4	2,597	3/4	3,613	3/4	4,587	3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
6	524	6	1,572	6	2,618	6	3,634	6	4,607	6		6	6 FT.	6	7 FT.	6	8 FT.	6	9 FT.
1/4	546	1/4	1,594	1/4	2,640	1/4	3,654	1/4	4,627	1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	568	1/2	1,616	1/2	2,662	1/2	3,675	1/2	4,646	1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	590	3/4	1,638	3/4	2,683	3/4	3,696	3/4	4,666	3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
7	611	7	1,659	7	2,705	7	3,717	7	4,686	7		7	6 FT.	7	7 FT.	7	8 FT.	7	9 FT.
1/4	633	1/4	1,681	1/4	2,726	1/4	3,737	1/4	4,706	1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	655	1/2	1,703	1/2	2,748	1/2	3,758	1/2	4,725	1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	677	3/4	1,725	3/4	2,769	3/4	3,778	3/4	4,745	3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
8	699	8	1,747	8	2,791	8	3,799	8	4,765	8		8	6 FT.	8	7 FT.	8	8 FT.	8	9 FT.
1/4	721	1/4	1,769	1/4	2,812	1/4	3,819	1/4	4,784	1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	742	1/2	1,790	1/2	2,833	1/2	3,840	1/2	4,804	1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	764	3/4	1,812	3/4	2,855	3/4	3,860	3/4	4,824	3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
9	786	9	1,834	9	2,876	9	3,881	9		9		9	6 FT.	9	7 FT.	9	8 FT.	9	9 FT.
1/4	808	1/4	1,856	1/4	2,898	1/4	3,901	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	830	1/2	1,878	1/2	2,919	1/2	3,922	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	852	3/4	1,900	3/4	2,940	3/4	3,942	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
10	873	10	1,921	10	2,962	10	3,963	10		10		10	6 FT.	10	7 FT.	10	8 FT.	10	9 FT.
1/4	895	1/4	1,943	1/4	2,983	1/4	3,983	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	917	1/2	1,965	1/2	3,004	1/2	4,004	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	939	3/4	1,987	3/4	3,025	3/4	4,024	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
11	961	11	2,009	11	3,047	11	4,044	11		11		11	6 FT.	11	7 FT.	11	8 FT.	11	9 FT.
1/4	983	1/4	2,031	1/4	3,068	1/4	4,065	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	1,004	1/2	2,052	1/2	3,089	1/2	4,085	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	1,026	3/4	2,074	3/4	3,110	3/4	4,105	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.

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 AT GAUGE POINT.
GAUGE POINT -TOP LIP OF MANWAY

STRAPPED: 01/26/2016 CL
RECALCULATED: 08/26/2021 SW
NAME CHANGE: 08/26/2021 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2021

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PRECISION MEASUREMENT
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Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 29046"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "CTCO 344"

GAUGE HEIGHT 5'-03"

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	192	0	385	0	577	0	769	0		0		0		0		0	
1/4	4	1/4	196	1/4	389	1/4	581	1/4	773	1/4		1/4		1/4		1/4		1/4	
1/2	8	1/2	200	1/2	393	1/2	585	1/2	777	1/2		1/2		1/2		1/2		1/2	
3/4	12	3/4	204	3/4	397	3/4	589	3/4	781	3/4		3/4		3/4		3/4		3/4	
1	16	1	208	1	401	1	593	1	785	1		1		1		1		1	
1/4	20	1/4	212	1/4	405	1/4	597	1/4	789	1/4		1/4		1/4		1/4		1/4	
1/2	24	1/2	216	1/2	409	1/2	601	1/2	793	1/2		1/2		1/2		1/2		1/2	
3/4	28	3/4	220	3/4	413	3/4	605	3/4	797	3/4		3/4		3/4		3/4		3/4	
2	32	2	224	2	417	2	609	2	801	2		2		2		2		2	
1/4	36	1/4	228	1/4	421	1/4	613	1/4	805	1/4		1/4		1/4		1/4		1/4	
1/2	40	1/2	232	1/2	425	1/2	617	1/2	809	1/2		1/2		1/2		1/2		1/2	
3/4	44	3/4	236	3/4	429	3/4	621	3/4	813	3/4		3/4		3/4		3/4		3/4	
3	48	3	240	3	433	3	625	3	817	3		3		3		3		3	
1/4	52	1/4	244	1/4	437	1/4	629	1/4	821	1/4		1/4		1/4		1/4		1/4	
1/2	56	1/2	248	1/2	441	1/2	633	1/2	825	1/2		1/2		1/2		1/2		1/2	
3/4	60	3/4	252	3/4	445	3/4	637	3/4	829	3/4		3/4		3/4		3/4		3/4	
4	64	4	256	4	449	4	641	4	833	4		4		4		4		4	
1/4	68	1/4	260	1/4	453	1/4	645	1/4	837	1/4		1/4		1/4		1/4		1/4	
1/2	72	1/2	264	1/2	457	1/2	649	1/2	841	1/2		1/2		1/2		1/2		1/2	
3/4	76	3/4	268	3/4	461	3/4	653	3/4	845	3/4		3/4		3/4		3/4		3/4	
5	80	5	272	5	465	5	657	5	849	5		5		5		5		5	
1/4	84	1/4	276	1/4	469	1/4	661	1/4	853	1/4		1/4		1/4		1/4		1/4	
1/2	88	1/2	280	1/2	473	1/2	665	1/2	857	1/2		1/2		1/2		1/2		1/2	
3/4	92	3/4	284	3/4	477	3/4	669	3/4	861	3/4		3/4		3/4		3/4		3/4	
6	96	6	288	6	481	6	673	6	865	6		6		6		6		6	
1/4	100	1/4	292	1/4	485	1/4	677	1/4	869	1/4		1/4		1/4		1/4		1/4	
1/2	104	1/2	296	1/2	489	1/2	681	1/2	873	1/2		1/2		1/2		1/2		1/2	
3/4	108	3/4	300	3/4	493	3/4	685	3/4	877	3/4		3/4		3/4		3/4		3/4	
7	112	7	304	7	497	7	689	7	881	7		7		7		7		7	
1/4	116	1/4	308	1/4	501	1/4	693	1/4	885	1/4		1/4		1/4		1/4		1/4	
1/2	120	1/2	312	1/2	505	1/2	697	1/2	889	1/2		1/2		1/2		1/2		1/2	
3/4	124	3/4	316	3/4	509	3/4	701	3/4	893	3/4		3/4		3/4		3/4		3/4	
8	128	8	320	8	513	8	705	8	897	8		8		8		8		8	
1/4	132	1/4	324	1/4	517	1/4	709	1/4	901	1/4		1/4		1/4		1/4		1/4	
1/2	136	1/2	328	1/2	521	1/2	713	1/2	905	1/2		1/2		1/2		1/2		1/2	
3/4	140	3/4	332	3/4	525	3/4	717	3/4	909	3/4		3/4		3/4		3/4		3/4	
9	144	9	336	9	529	9	721	9		9		9		9		9		9	
1/4	148	1/4	340	1/4	533	1/4	725	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152	1/2	344	1/2	537	1/2	729	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156	3/4	348	3/4	541	3/4	733	3/4		3/4		3/4		3/4		3/4		3/4	
10	160	10	353	10	545	10	737	10		10		10		10		10		10	
1/4	164	1/4	357	1/4	549	1/4	741	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	168	1/2	361	1/2	553	1/2	745	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	172	3/4	365	3/4	557	3/4	749	3/4		3/4		3/4		3/4		3/4		3/4	
11	176	11	369	11	561	11	753	11		11		11		11		11		11	
1/4	180	1/4	373	1/4	565	1/4	757	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	184	1/2	377	1/2	569	1/2	761	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	188	3/4	381	3/4	573	3/4	765	3/4		3/4		3/4		3/4		3/4		3/4	

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 AT GAUGE POINT.
GAUGE POINT - 2" STANDPIPE

STRAPPED: 01/26/2016 CL
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