



BARGE "KIRBY 27738"

ULLAGE TRIM TABLE
FORMERLY "CTCO 335"

	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	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
2 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
3 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 236'-09"

September 11, 2019

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 27738"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 335"

GAUGE HEIGHT 16'-08 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
							4,908.63		4,579.74		4,229.18		3,863.78		3,497.77		3,131.23		2,764.59
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,901.99	1/4	4,572.65	1/4	4,221.64	1/4	3,856.16	1/4	3,490.13	1/4	3,123.60	1/4	2,756.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,895.36	1/2	4,565.56	1/2	4,214.11	1/2	3,848.54	1/2	3,482.49	1/2	3,115.96	1/2	2,749.31
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,888.72	3/4	4,558.46	3/4	4,206.57	3/4	3,840.91	3/4	3,474.86	3/4	3,108.33	3/4	2,741.67
1	1	1	1	1	1	1	4,882.05	1	4,551.34	1	4,199.00	1	3,833.29	1	3,467.22	1	3,100.69	1	2,734.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,875.39	1/4	4,544.21	1/4	4,191.43	1/4	3,825.66	1/4	3,459.59	1/4	3,093.05	1/4	2,726.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,868.72	1/2	4,537.08	1/2	4,183.86	1/2	3,818.04	1/2	3,451.95	1/2	3,085.42	1/2	2,718.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,862.05	3/4	4,529.96	3/4	4,176.29	3/4	3,810.41	3/4	3,444.31	3/4	3,077.78	3/4	2,711.11
2	2	2	2	2	2	2	4,855.35	2	4,522.79	2	4,168.69	2	3,802.79	2	3,436.68	2	3,070.14	2	2,703.47
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,848.64	1/4	4,515.63	1/4	4,161.09	1/4	3,795.16	1/4	3,429.04	1/4	3,062.51	1/4	2,695.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,841.94	1/2	4,508.47	1/2	4,153.48	1/2	3,787.54	1/2	3,421.41	1/2	3,054.87	1/2	2,688.19
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,835.23	3/4	4,501.31	3/4	4,145.88	3/4	3,779.92	3/4	3,413.77	3/4	3,047.24	3/4	2,680.55
3	3	3	3	3	3	3	4,828.49	3	4,494.12	3	4,138.26	3	3,772.29	3	3,406.13	3	3,039.60	3	2,672.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,821.75	1/4	4,486.93	1/4	4,130.63	1/4	3,764.67	1/4	3,398.50	1/4	3,031.96	1/4	2,665.27
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,815.01	1/2	4,479.73	1/2	4,123.01	1/2	3,757.04	1/2	3,390.86	1/2	3,024.33	1/2	2,657.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,808.26	3/4	4,472.54	3/4	4,115.39	3/4	3,749.42	3/4	3,383.22	3/4	3,016.69	3/4	2,649.99
4	4	4	4	4	4	4	4,801.49	4	4,465.31	4	4,107.76	4	3,741.79	4	3,375.59	4	3,009.06	4	2,642.35
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,794.71	1/4	4,458.08	1/4	4,100.14	1/4	3,734.17	1/4	3,367.95	1/4	3,001.42	1/4	2,634.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,787.94	1/2	4,450.85	1/2	4,092.52	1/2	3,726.54	1/2	3,360.32	1/2	2,993.78	1/2	2,627.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,781.16	3/4	4,443.63	3/4	4,084.89	3/4	3,718.92	3/4	3,352.68	3/4	2,986.15	3/4	2,619.43
5	5	5	5	5	5	5	4,774.35	5	4,436.36	5	4,077.27	5	3,711.30	5	3,345.04	5	2,978.51	5	2,611.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,767.55	1/4	4,429.09	1/4	4,069.64	1/4	3,703.67	1/4	3,337.41	1/4	2,970.87	1/4	2,604.15
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,760.74	1/2	4,421.82	1/2	4,062.02	1/2	3,696.05	1/2	3,329.77	1/2	2,963.24	1/2	2,596.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,088.68	3/4	4,753.93	3/4	4,414.55	3/4	4,054.39	3/4	3,688.42	3/4	3,322.14	3/4	2,955.60
6	6	6	5,082.25	6	4,747.08	6	4,407.23	6	4,046.77	6	3,680.80	6	3,314.50	6	2,947.96	6	2,581.23	6	2,581.23
1/4	1/4	1/4	5,075.83	1/4	4,740.24	1/4	4,399.91	1/4	4,039.15	1/4	3,673.17	1/4	3,306.86	1/4	2,940.32	1/4	2,573.59	1/4	2,573.59
1/2	1/2	1/2	5,069.40	1/2	4,733.40	1/2	4,392.59	1/2	4,031.52	1/2	3,665.55	1/2	3,299.23	1/2	2,932.68	1/2	2,565.95	1/2	2,565.95
3/4	3/4	3/4	5,062.98	3/4	4,726.56	3/4	4,385.27	3/4	4,023.90	3/4	3,657.93	3/4	3,291.59	3/4	2,925.04	3/4	2,558.31	3/4	2,558.31
7	7	7	5,055.60	7	4,719.65	7	4,377.91	7	4,016.27	7	3,650.30	7	3,283.96	7	2,917.40	7	2,550.67	7	2,550.67
1/4	1/4	1/4	5,048.22	1/4	4,712.75	1/4	4,370.55	1/4	4,008.65	1/4	3,642.68	1/4	3,276.32	1/4	2,909.76	1/4	2,543.03	1/4	2,543.03
1/2	1/2	1/2	5,040.84	1/2	4,705.84	1/2	4,363.20	1/2	4,001.02	1/2	3,635.05	1/2	3,268.68	1/2	2,902.12	1/2	2,535.39	1/2	2,535.39
3/4	3/4	3/4	5,033.47	3/4	4,698.93	3/4	4,355.84	3/4	3,993.40	3/4	3,627.43	3/4	3,261.05	3/4	2,894.48	3/4	2,527.75	3/4	2,527.75
8	8	8	5,025.90	8	4,691.98	8	4,348.44	8	3,985.77	8	3,619.80	8	3,253.41	8	2,886.84	8	2,520.11	8	2,520.11
1/4	1/4	1/4	5,018.33	1/4	4,685.03	1/4	4,341.05	1/4	3,978.15	1/4	3,612.18	1/4	3,245.77	1/4	2,879.20	1/4	2,512.47	1/4	2,512.47
1/2	1/2	1/2	5,010.76	1/2	4,678.08	1/2	4,333.66	1/2	3,970.53	1/2	3,604.55	1/2	3,238.14	1/2	2,871.56	1/2	2,504.83	1/2	2,504.83
3/4	3/4	3/4	5,003.20	3/4	4,671.13	3/4	4,326.26	3/4	3,962.90	3/4	3,596.93	3/4	3,230.50	3/4	2,863.92	3/4	2,497.19	3/4	2,497.19
9	9	9	4,995.63	9	4,664.14	9	4,318.84	9	3,955.28	9	3,589.31	9	3,222.87	9	2,856.28	9	2,489.55	9	2,489.55
1/4	1/4	1/4	4,988.06	1/4	4,657.15	1/4	4,311.41	1/4	3,947.65	1/4	3,581.68	1/4	3,215.23	1/4	2,848.64	1/4	2,481.91	1/4	2,481.91
1/2	1/2	1/2	4,980.50	1/2	4,650.16	1/2	4,303.98	1/2	3,940.03	1/2	3,574.06	1/2	3,207.59	1/2	2,841.00	1/2	2,474.27	1/2	2,474.27
3/4	3/4	3/4	4,972.93	3/4	4,643.17	3/4	4,296.56	3/4	3,932.40	3/4	3,566.43	3/4	3,199.96	3/4	2,833.36	3/4	2,466.63	3/4	2,466.63
10	10	10	4,965.36	10	4,636.15	10	4,289.10	10	3,924.78	10	3,558.81	10	3,192.32	10	2,825.72	10	2,458.99	10	2,458.99
1/4	1/4	1/4	4,957.80	1/4	4,629.12	1/4	4,281.64	1/4	3,917.15	1/4	3,551.18	1/4	3,184.69	1/4	2,818.08	1/4	2,451.35	1/4	2,451.35
1/2	1/2	1/2	4,950.23	1/2	4,622.10	1/2	4,274.18	1/2	3,909.53	1/2	3,543.56	1/2	3,177.05	1/2	2,810.43	1/2	2,443.71	1/2	2,443.71
3/4	3/4	3/4	4,942.66	3/4	4,615.07	3/4	4,266.72	3/4	3,901.91	3/4	3,535.93	3/4	3,169.41	3/4	2,802.79	3/4	2,436.07	3/4	2,436.07
11	11	11	4,935.81	11	4,608.01	11	4,259.22	11	3,894.28	11	3,528.30	11	3,161.78	11	2,795.15	11	2,428.42	11	2,428.42
1/4	1/4	1/4	4,928.96	1/4	4,600.95	1/4	4,251.72	1/4	3,886.66	1/4	3,520.67	1/4	3,154.14	1/4	2,787.51	1/4	2,420.78	1/4	2,420.78
1/2	1/2	1/2	4,922.11	1/2	4,593.89	1/2	4,244.22	1/2	3,879.03	1/2	3,513.04	1/2	3,146.51	1/2	2,779.87	1/2	2,413.14	1/2	2,413.14
3/4	3/4	3/4	4,915.26	3/4	4,586.83	3/4	4,236.72	3/4	3,871.41	3/4	3,505.40	3/4	3,138.87	3/4	2,772.23	3/4	2,405.50	3/4	2,405.50

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "KIRBY 27738"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 335"

GAUGE HEIGHT 16'-08 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,397.86	0	2,031.68	0	1,670.55	0	1,303.76	0	938.16	0	572.39	0	227.66	0		0		0	
1/4	2,390.22	1/4	2,024.58	1/4	1,662.91	1/4	1,296.11	1/4	930.57	1/4	564.76	1/4	221.01	1/4	1/4		1/4		1/4
1/2	2,382.58	1/2	2,017.48	1/2	1,655.27	1/2	1,288.47	1/2	922.98	1/2	557.13	1/2	214.37	1/2	1/2		1/2		1/2
3/4	2,374.94	3/4	2,010.38	3/4	1,647.63	3/4	1,280.83	3/4	915.39	3/4	549.50	3/4	207.72	3/4	3/4		3/4		3/4
1	2,367.30	1	2,003.46	1	1,639.99	1	1,273.19	1	907.79	1	541.91	1	201.17	1	1		1		1
1/4	2,359.66	1/4	1,996.54	1/4	1,632.34	1/4	1,265.55	1/4	900.20	1/4	534.32	1/4	194.61	1/4	1/4		1/4		1/4
1/2	2,352.02	1/2	1,989.62	1/2	1,624.70	1/2	1,257.91	1/2	892.61	1/2	526.73	1/2	188.05	1/2	1/2		1/2		1/2
3/4	2,344.38	3/4	1,982.71	3/4	1,617.06	3/4	1,250.26	3/4	885.02	3/4	519.14	3/4	181.50	3/4	3/4		3/4		3/4
2	2,336.74	2	1,975.27	2	1,609.42	2	1,242.62	2	877.43	2	511.62	2	175.03	2	2		2		2
1/4	2,329.10	1/4	1,967.84	1/4	1,601.78	1/4	1,234.98	1/4	869.84	1/4	504.11	1/4	168.56	1/4	1/4		1/4		1/4
1/2	2,321.46	1/2	1,960.40	1/2	1,594.14	1/2	1,227.34	1/2	862.25	1/2	496.60	1/2	162.09	1/2	1/2		1/2		1/2
3/4	2,313.82	3/4	1,952.97	3/4	1,586.49	3/4	1,219.70	3/4	854.66	3/4	489.09	3/4	155.62	3/4	3/4		3/4		3/4
3	2,306.18	3	1,945.36	3	1,578.85	3	1,212.06	3	847.07	3	481.67	3	149.24	3	3		3		3
1/4	2,298.54	1/4	1,937.76	1/4	1,571.21	1/4	1,204.41	1/4	839.48	1/4	474.24	1/4	142.86	1/4	1/4		1/4		1/4
1/2	2,290.90	1/2	1,930.15	1/2	1,563.57	1/2	1,196.77	1/2	831.89	1/2	466.82	1/2	136.48	1/2	1/2		1/2		1/2
3/4	2,283.26	3/4	1,922.55	3/4	1,555.93	3/4	1,189.13	3/4	824.30	3/4	459.39	3/4	130.10	3/4	3/4		3/4		3/4
4	2,275.62	4	1,914.94	4	1,548.29	4	1,181.49	4	816.71	4	452.06	4	123.81	4	4		4		4
1/4	2,267.98	1/4	1,907.33	1/4	1,540.64	1/4	1,173.85	1/4	809.12	1/4	444.72	1/4	117.53	1/4	1/4		1/4		1/4
1/2	2,260.34	1/2	1,899.73	1/2	1,533.00	1/2	1,166.21	1/2	801.53	1/2	437.38	1/2	111.24	1/2	1/2		1/2		1/2
3/4	2,252.70	3/4	1,892.12	3/4	1,525.36	3/4	1,158.56	3/4	793.94	3/4	430.04	3/4	104.96	3/4	3/4		3/4		3/4
5	2,245.06	5	1,884.49	5	1,517.72	5	1,150.95	5	786.31	5	422.79	5	98.77	5	5		5		5
1/4	2,237.42	1/4	1,876.86	1/4	1,510.08	1/4	1,143.33	1/4	778.68	1/4	415.54	1/4	92.58	1/4	1/4		1/4		1/4
1/2	2,229.78	1/2	1,869.22	1/2	1,502.44	1/2	1,135.71	1/2	771.05	1/2	408.29	1/2	86.39	1/2	1/2		1/2		1/2
3/4	2,222.14	3/4	1,861.59	3/4	1,494.80	3/4	1,128.09	3/4	763.42	3/4	401.04	3/4	80.20	3/4	3/4		3/4		3/4
6	2,214.50	6	1,853.95	6	1,487.15	6	1,120.48	6	755.78	6	393.87	6	74.11	6	6		6		6
1/4	2,206.86	1/4	1,846.31	1/4	1,479.51	1/4	1,112.86	1/4	748.14	1/4	386.71	1/4	68.03	1/4	1/4		1/4		1/4
1/2	2,199.22	1/2	1,838.67	1/2	1,471.87	1/2	1,105.25	1/2	740.50	1/2	379.55	1/2	61.95	1/2	1/2		1/2		1/2
3/4	2,191.58	3/4	1,831.03	3/4	1,464.23	3/4	1,097.64	3/4	732.86	3/4	372.38	3/4	55.87	3/4	3/4		3/4		3/4
7	2,183.94	7	1,823.38	7	1,456.59	7	1,090.04	7	725.21	7	365.30	7	50.57	7	7		7		7
1/4	2,176.30	1/4	1,815.74	1/4	1,448.95	1/4	1,082.44	1/4	717.57	1/4	358.23	1/4	45.27	1/4	1/4		1/4		1/4
1/2	2,168.66	1/2	1,808.10	1/2	1,441.30	1/2	1,074.84	1/2	709.93	1/2	351.15	1/2	39.97	1/2	1/2		1/2		1/2
3/4	2,161.02	3/4	1,800.46	3/4	1,433.66	3/4	1,067.23	3/4	702.29	3/4	344.07	3/4	34.67	3/4	3/4		3/4		3/4
8	2,153.38	8	1,792.82	8	1,426.02	8	1,059.64	8	694.65	8	337.08	8	30.79	8	8		8		8
1/4	2,145.74	1/4	1,785.18	1/4	1,418.38	1/4	1,052.04	1/4	687.01	1/4	330.09	1/4	26.90	1/4	1/4		1/4		1/4
1/2	2,138.10	1/2	1,777.53	1/2	1,410.74	1/2	1,044.44	1/2	679.37	1/2	323.10	1/2	23.01	1/2	1/2		1/2		1/2
3/4	2,130.46	3/4	1,769.89	3/4	1,403.10	3/4	1,036.84	3/4	671.72	3/4	316.11	3/4	19.13	3/4	3/4		3/4		3/4
9	2,122.82	9	1,762.25	9	1,395.45	9	1,029.25	9	664.08	9	309.20	9		9	9		9		9
1/4	2,115.18	1/4	1,754.61	1/4	1,387.81	1/4	1,021.66	1/4	656.44	1/4	302.30	1/4		1/4	1/4		1/4		1/4
1/2	2,107.54	1/2	1,746.97	1/2	1,380.17	1/2	1,014.06	1/2	648.80	1/2	295.40	1/2		1/2	1/2		1/2		1/2
3/4	2,099.90	3/4	1,739.33	3/4	1,372.53	3/4	1,006.47	3/4	641.16	3/4	288.49	3/4		3/4	3/4		3/4		3/4
10	2,092.26	10	1,731.68	10	1,364.89	10	998.88	10	633.52	10	281.67	10		10	10		10		10
1/4	2,084.62	1/4	1,724.04	1/4	1,357.25	1/4	991.29	1/4	625.88	1/4	274.86	1/4		1/4	1/4		1/4		1/4
1/2	2,076.98	1/2	1,716.40	1/2	1,349.60	1/2	983.70	1/2	618.24	1/2	268.04	1/2		1/2	1/2		1/2		1/2
3/4	2,069.34	3/4	1,708.76	3/4	1,341.96	3/4	976.11	3/4	610.59	3/4	261.22	3/4		3/4	3/4		3/4		3/4
11	2,061.70	11	1,701.12	11	1,334.32	11	968.52	11	602.95	11	254.49	11		11	11		11		11
1/4	2,054.06	1/4	1,693.48	1/4	1,326.68	1/4	960.93	1/4	595.31	1/4	247.76	1/4		1/4	1/4		1/4		1/4
1/2	2,046.42	1/2	1,685.84	1/2	1,319.04	1/2	953.34	1/2	587.67	1/2	241.03	1/2		1/2	1/2		1/2		1/2
3/4	2,038.77	3/4	1,678.19	3/4	1,311.40	3/4	945.75	3/4	580.03	3/4	234.30	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/04/2014 PMA
RECALCULATED: 09/11/2019
NAME CHANGE: 09/11/2019

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2019

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



BARGE "KIRBY 27738"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 335"

GAUGE HEIGHT 16'-09 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	4,924.14	0	4,596.21	0	4,247.06	0	3,882.09	0	3,516.21	0	3,150.33	0	2,784.35		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,917.29	1/4	4,589.15	1/4	4,239.56	1/4	3,874.47	1/4	3,508.59	1/4	3,142.71	1/4	2,776.72		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,910.44	1/2	4,582.09	1/2	4,232.06	1/2	3,866.85	1/2	3,500.97	1/2	3,135.09	1/2	2,769.10		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,903.81	3/4	4,575.00	3/4	4,224.53	3/4	3,859.23	3/4	3,493.35	3/4	3,127.47	3/4	2,761.47		
1		1		1		1	4,897.17	1	4,567.91	1	4,216.99	1	3,851.60	1	3,485.72	1	3,119.84	1	2,753.85		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,890.54	1/4	4,560.82	1/4	4,209.46	1/4	3,843.98	1/4	3,478.10	1/4	3,112.22	1/4	2,746.22		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,883.90	1/2	4,553.73	1/2	4,201.92	1/2	3,836.36	1/2	3,470.48	1/2	3,104.60	1/2	2,738.59		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,877.24	3/4	4,546.60	3/4	4,194.36	3/4	3,828.74	3/4	3,462.86	3/4	3,096.98	3/4	2,730.97		
2		2		2		2	4,870.57	2	4,539.48	2	4,186.79	2	3,821.11	2	3,455.23	2	3,089.35	2	2,723.34		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,863.91	1/4	4,532.35	1/4	4,179.22	1/4	3,813.49	1/4	3,447.61	1/4	3,081.73	1/4	2,715.71		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,857.24	1/2	4,525.23	1/2	4,171.65	1/2	3,805.87	1/2	3,439.99	1/2	3,074.11	1/2	2,708.09		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,850.54	3/4	4,518.07	3/4	4,164.05	3/4	3,798.25	3/4	3,432.37	3/4	3,066.49	3/4	2,700.46		
3		3		3		3	4,843.83	3	4,510.91	3	4,156.45	3	3,790.62	3	3,424.74	3	3,058.86	3	2,692.83		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,837.13	1/4	4,503.75	1/4	4,148.85	1/4	3,783.00	1/4	3,417.12	1/4	3,051.24	1/4	2,685.21		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,830.43	1/2	4,496.59	1/2	4,141.25	1/2	3,775.38	1/2	3,409.50	1/2	3,043.62	1/2	2,677.58		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,823.69	3/4	4,489.40	3/4	4,133.63	3/4	3,767.76	3/4	3,401.88	3/4	3,036.00	3/4	2,669.95		
4		4		4		4	4,816.95	4	4,482.21	4	4,126.01	4	3,760.13	4	3,394.25	4	3,028.37	4	2,662.33		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,810.21	1/4	4,475.02	1/4	4,118.39	1/4	3,752.51	1/4	3,386.63	1/4	3,020.75	1/4	2,654.70		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,803.47	1/2	4,467.82	1/2	4,110.77	1/2	3,744.89	1/2	3,379.01	1/2	3,013.13	1/2	2,647.07		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,796.69	3/4	4,460.60	3/4	4,103.15	3/4	3,737.27	3/4	3,371.39	3/4	3,005.51	3/4	2,639.45		
5		5		5		5	4,789.92	5	4,453.37	5	4,095.52	5	3,729.64	5	3,363.76	5	2,997.88	5	2,631.82		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,783.15	1/4	4,446.14	1/4	4,087.90	1/4	3,722.02	1/4	3,356.14	1/4	2,990.26	1/4	2,624.19		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,776.37	1/2	4,438.92	1/2	4,080.28	1/2	3,714.40	1/2	3,348.52	1/2	2,982.64	1/2	2,616.57		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,769.57	3/4	4,431.65	3/4	4,072.66	3/4	3,706.78	3/4	3,340.90	3/4	2,975.01	3/4	2,608.94		
6		6		6		6	4,762.76	6	4,424.39	6	4,065.03	6	3,699.15	6	3,333.27	6	2,967.39	6	2,601.32		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,755.95	1/4	4,417.12	1/4	4,057.41	1/4	3,691.53	1/4	3,325.65	1/4	2,959.76	1/4	2,593.69		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,083.80	1/2	4,749.14	1/2	4,409.85	1/2	4,049.79	1/2	3,683.91	1/2	3,318.03	1/2	2,952.13	1/2	2,586.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,077.38	3/4	4,742.30	3/4	4,402.53	3/4	4,042.17	3/4	3,676.29	3/4	3,310.41	3/4	2,944.51	3/4	2,578.44
7		7		7		7	5,070.96	7	4,735.46	7	4,395.22	7	4,034.54	7	3,668.66	7	3,302.78	7	2,936.88	7	2,570.81
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,064.54	1/4	4,728.62	1/4	4,387.90	1/4	4,026.92	1/4	3,661.04	1/4	3,295.16	1/4	2,929.25	1/4	2,563.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,058.12	1/2	4,721.78	1/2	4,380.58	1/2	4,019.30	1/2	3,653.42	1/2	3,287.54	1/2	2,921.63	1/2	2,555.56
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,050.74	3/4	4,714.88	3/4	4,373.22	3/4	4,011.68	3/4	3,645.80	3/4	3,279.92	3/4	2,914.00	3/4	2,547.93
8		8		8		8	5,043.36	8	4,707.97	8	4,365.87	8	4,004.05	8	3,638.17	8	3,272.29	8	2,906.38	8	2,540.30
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,035.99	1/4	4,701.07	1/4	4,358.51	1/4	3,996.43	1/4	3,630.55	1/4	3,264.67	1/4	2,898.75	1/4	2,532.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,028.61	1/2	4,694.16	1/2	4,351.15	1/2	3,988.81	1/2	3,622.93	1/2	3,257.05	1/2	2,891.12	1/2	2,525.05
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,021.05	3/4	4,687.21	3/4	4,343.76	3/4	3,981.19	3/4	3,615.31	3/4	3,249.43	3/4	2,883.50	3/4	2,517.42
9		9		9		9	5,013.48	9	4,680.27	9	4,336.37	9	3,973.56	9	3,607.68	9	3,241.80	9	2,875.87	9	2,509.80
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,005.92	1/4	4,673.32	1/4	4,328.98	1/4	3,965.94	1/4	3,600.06	1/4	3,234.18	1/4	2,868.24	1/4	2,502.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,998.35	1/2	4,666.37	1/2	4,321.59	1/2	3,958.32	1/2	3,592.44	1/2	3,226.56	1/2	2,860.62	1/2	2,494.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,990.79	3/4	4,659.38	3/4	4,314.16	3/4	3,950.70	3/4	3,584.82	3/4	3,218.94	3/4	2,852.99	3/4	2,486.92
10		10		10		10	4,983.22	10	4,652.39	10	4,306.74	10	3,943.07	10	3,577.19	10	3,211.31	10	2,845.36	10	2,479.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,975.66	1/4	4,645.41	1/4	4,299.31	1/4	3,935.45	1/4	3,569.57	1/4	3,203.69	1/4	2,837.74	1/4	2,471.66
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,968.09	1/2	4,638.42	1/2	4,291.89	1/2	3,927.83	1/2	3,561.95	1/2	3,196.07	1/2	2,830.11	1/2	2,464.04
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,960.53	3/4	4,631.39	3/4	4,284.43	3/4	3,920.21	3/4	3,554.33	3/4	3,188.45	3/4	2,822.48	3/4	2,456.41
11		11		11		11	4,952.96	11	4,624.37	11	4,276.97	11	3,912.58	11	3,546.70	11	3,180.82	11	2,814.86	11	2,448.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,945.40	1/4	4,617.35	1/4	4,269.51	1/4	3,904.96	1/4	3,539.08	1/4	3,173.20	1/4	2,807.23	1/4	2,441.16
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,937.83	1/2	4,610.32	1/2	4,262.06	1/2	3,897.34	1/2	3,531.46	1/2	3,165.58	1/2	2,799.60	1/2	2,433.53
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,930.98	3/4	4,603.26	3/4	4,254.56	3/4	3,889.72	3/4	3,523.84	3/4	3,157.96	3/4	2,791.98	3/4	2,425.91

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 27738"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 335"

GAUGE HEIGHT 16'-09 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,418.28	0	2,052.21	0	1,692.28	0	1,326.14	0	960.17	0	594.35	0	247.50	0		0		0	
1/4	2,410.65	1/4	2,044.58	1/4	1,684.65	1/4	1,318.51	1/4	952.56	1/4	586.72	1/4	240.79	1/4	1/4		1/4		1/4
1/2	2,403.03	1/2	2,036.95	1/2	1,677.02	1/2	1,310.88	1/2	944.94	1/2	579.10	1/2	234.07	1/2	1/2		1/2		1/2
3/4	2,395.40	3/4	2,029.87	3/4	1,669.40	3/4	1,303.25	3/4	937.33	3/4	571.48	3/4	227.44	3/4	3/4		3/4		3/4
1	2,387.77	1	2,022.78	1	1,661.77	1	1,295.62	1	929.71	1	563.87	1	220.81	1	1		1		1
1/4	2,380.15	1/4	2,015.70	1/4	1,654.14	1/4	1,288.00	1/4	922.10	1/4	556.25	1/4	214.18	1/4	1/4		1/4		1/4
1/2	2,372.52	1/2	2,008.61	1/2	1,646.51	1/2	1,280.37	1/2	914.49	1/2	548.64	1/2	207.55	1/2	1/2		1/2		1/2
3/4	2,364.89	3/4	2,001.71	3/4	1,638.88	3/4	1,272.74	3/4	906.87	3/4	541.07	3/4	201.00	3/4	3/4		3/4		3/4
2	2,357.27	2	1,994.80	2	1,631.26	2	1,265.11	2	899.26	2	533.50	2	194.46	2	2		2		2
1/4	2,349.64	1/4	1,987.90	1/4	1,623.63	1/4	1,257.48	1/4	891.64	1/4	525.93	1/4	187.91	1/4	1/4		1/4		1/4
1/2	2,342.01	1/2	1,980.99	1/2	1,616.00	1/2	1,249.86	1/2	884.03	1/2	518.37	1/2	181.37	1/2	1/2		1/2		1/2
3/4	2,334.39	3/4	1,973.57	3/4	1,608.37	3/4	1,242.23	3/4	876.42	3/4	510.87	3/4	174.91	3/4	3/4		3/4		3/4
3	2,326.76	3	1,966.15	3	1,600.74	3	1,234.60	3	868.80	3	503.37	3	168.46	3	3		3		3
1/4	2,319.13	1/4	1,958.73	1/4	1,593.12	1/4	1,226.97	1/4	861.19	1/4	495.88	1/4	162.00	1/4	1/4		1/4		1/4
1/2	2,311.51	1/2	1,951.31	1/2	1,585.49	1/2	1,219.34	1/2	853.57	1/2	488.38	1/2	155.54	1/2	1/2		1/2		1/2
3/4	2,303.88	3/4	1,943.72	3/4	1,577.86	3/4	1,211.72	3/4	845.96	3/4	480.97	3/4	149.17	3/4	3/4		3/4		3/4
4	2,296.26	4	1,936.12	4	1,570.23	4	1,204.09	4	838.34	4	473.56	4	142.80	4	4		4		4
1/4	2,288.63	1/4	1,928.53	1/4	1,562.60	1/4	1,196.46	1/4	830.73	1/4	466.15	1/4	136.43	1/4	1/4		1/4		1/4
1/2	2,281.00	1/2	1,920.94	1/2	1,554.98	1/2	1,188.83	1/2	823.12	1/2	458.74	1/2	130.06	1/2	1/2		1/2		1/2
3/4	2,273.38	3/4	1,913.35	3/4	1,547.35	3/4	1,181.20	3/4	815.50	3/4	451.41	3/4	123.78	3/4	3/4		3/4		3/4
5	2,265.75	5	1,905.75	5	1,539.72	5	1,173.58	5	807.89	5	444.09	5	117.49	5	5		5		5
1/4	2,258.12	1/4	1,898.16	1/4	1,532.09	1/4	1,165.95	1/4	800.27	1/4	436.76	1/4	111.21	1/4	1/4		1/4		1/4
1/2	2,250.50	1/2	1,890.57	1/2	1,524.46	1/2	1,158.32	1/2	792.66	1/2	429.44	1/2	104.93	1/2	1/2		1/2		1/2
3/4	2,242.87	3/4	1,882.95	3/4	1,516.84	3/4	1,150.69	3/4	785.04	3/4	422.20	3/4	98.74	3/4	3/4		3/4		3/4
6	2,235.24	6	1,875.33	6	1,509.21	6	1,143.06	6	777.41	6	414.96	6	92.55	6	6		6		6
1/4	2,227.62	1/4	1,867.71	1/4	1,501.58	1/4	1,135.44	1/4	769.79	1/4	407.73	1/4	86.36	1/4	1/4		1/4		1/4
1/2	2,219.99	1/2	1,860.10	1/2	1,493.95	1/2	1,127.81	1/2	762.16	1/2	400.49	1/2	80.17	1/2	1/2		1/2		1/2
3/4	2,212.36	3/4	1,852.47	3/4	1,486.32	3/4	1,120.18	3/4	754.53	3/4	393.34	3/4	74.09	3/4	3/4		3/4		3/4
7	2,204.74	7	1,844.84	7	1,478.70	7	1,112.55	7	746.91	7	386.19	7	68.01	7	7		7		7
1/4	2,197.11	1/4	1,837.21	1/4	1,471.07	1/4	1,104.92	1/4	739.28	1/4	379.04	1/4	61.93	1/4	1/4		1/4		1/4
1/2	2,189.48	1/2	1,829.58	1/2	1,463.44	1/2	1,097.30	1/2	731.65	1/2	371.89	1/2	55.85	1/2	1/2		1/2		1/2
3/4	2,181.86	3/4	1,821.96	3/4	1,455.81	3/4	1,089.67	3/4	724.02	3/4	364.82	3/4	50.56	3/4	3/4		3/4		3/4
8	2,174.23	8	1,814.33	8	1,448.18	8	1,082.05	8	716.40	8	357.76	8	45.26	8	8		8		8
1/4	2,166.60	1/4	1,806.70	1/4	1,440.56	1/4	1,074.43	1/4	708.77	1/4	350.69	1/4	39.96	1/4	1/4		1/4		1/4
1/2	2,158.98	1/2	1,799.07	1/2	1,432.93	1/2	1,066.80	1/2	701.14	1/2	343.63	1/2	34.66	1/2	1/2		1/2		1/2
3/4	2,151.35	3/4	1,791.44	3/4	1,425.30	3/4	1,059.18	3/4	693.51	3/4	336.65	3/4	30.78	3/4	3/4		3/4		3/4
9	2,143.73	9	1,783.82	9	1,417.67	9	1,051.56	9	685.88	9	329.67	9	26.89	9	9		9		9
1/4	2,136.10	1/4	1,776.19	1/4	1,410.04	1/4	1,043.94	1/4	678.26	1/4	322.70	1/4	23.00	1/4	1/4		1/4		1/4
1/2	2,128.47	1/2	1,768.56	1/2	1,402.42	1/2	1,036.32	1/2	670.63	1/2	315.72	1/2	19.12	1/2	1/2		1/2		1/2
3/4	2,120.85	3/4	1,760.93	3/4	1,394.79	3/4	1,028.70	3/4	663.00	3/4	308.83	3/4		3/4	3/4		3/4		3/4
10	2,113.22	10	1,753.30	10	1,387.16	10	1,021.09	10	655.37	10	301.94	10		10	10		10		10
1/4	2,105.59	1/4	1,745.68	1/4	1,379.53	1/4	1,013.47	1/4	647.75	1/4	295.05	1/4		1/4	1/4		1/4		1/4
1/2	2,097.97	1/2	1,738.05	1/2	1,371.90	1/2	1,005.85	1/2	640.12	1/2	288.16	1/2		1/2	1/2		1/2		1/2
3/4	2,090.34	3/4	1,730.42	3/4	1,364.28	3/4	998.24	3/4	632.49	3/4	281.35	3/4		3/4	3/4		3/4		3/4
11	2,082.71	11	1,722.79	11	1,356.65	11	990.63	11	624.86	11	274.55	11		11	11		11		11
1/4	2,075.09	1/4	1,715.16	1/4	1,349.02	1/4	983.01	1/4	617.24	1/4	267.74	1/4		1/4	1/4		1/4		1/4
1/2	2,067.46	1/2	1,707.54	1/2	1,341.39	1/2	975.40	1/2	609.61	1/2	260.94	1/2		1/2	1/2		1/2		1/2
3/4	2,059.83	3/4	1,699.91	3/4	1,333.76	3/4	967.78	3/4	601.98	3/4	254.22	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/04/2014 PMA
RECALCULATED: 09/11/2019
NAME CHANGE: 09/11/2019

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "KIRBY 27738"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 335"

GAUGE HEIGHT 16'-10"

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	4,694.26	0	4,386.46	0	4,059.04	0	3,716.09	0	3,372.06	0	3,028.03	0	2,683.90		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,687.82	1/4	4,379.83	1/4	4,051.99	1/4	3,708.92	1/4	3,364.89	1/4	3,020.86	1/4	2,676.73		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,681.39	1/2	4,373.19	1/2	4,044.94	1/2	3,701.75	1/2	3,357.72	1/2	3,013.69	1/2	2,669.56		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,674.95	3/4	4,366.56	3/4	4,037.88	3/4	3,694.59	3/4	3,350.56	3/4	3,006.53	3/4	2,662.39		
1		1		1		1	4,668.52	1	4,359.92	1	4,030.83	1	3,687.42	1	3,343.39	1	2,999.36	1	2,655.22		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,662.28	1/4	4,353.26	1/4	4,023.75	1/4	3,680.25	1/4	3,336.22	1/4	2,992.19	1/4	2,648.05		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,656.05	1/2	4,346.59	1/2	4,016.67	1/2	3,673.09	1/2	3,329.06	1/2	2,985.02	1/2	2,640.88		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,649.82	3/4	4,339.93	3/4	4,009.58	3/4	3,665.92	3/4	3,321.89	3/4	2,977.86	3/4	2,633.70		
2		2		2		2	4,643.58	2	4,333.26	2	4,002.50	2	3,658.75	2	3,314.72	2	2,970.69	2	2,626.53		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,637.32	1/4	4,326.56	1/4	3,995.38	1/4	3,651.58	1/4	3,307.55	1/4	2,963.52	1/4	2,619.36		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,631.06	1/2	4,319.86	1/2	3,988.26	1/2	3,644.42	1/2	3,300.39	1/2	2,956.36	1/2	2,612.19		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,624.79	3/4	4,313.17	3/4	3,981.15	3/4	3,637.25	3/4	3,293.22	3/4	2,949.19	3/4	2,605.02		
3		3		3		3	4,618.53	3	4,306.47	3	3,974.03	3	3,630.08	3	3,286.05	3	2,942.02	3	2,597.85		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,612.23	1/4	4,299.74	1/4	3,966.89	1/4	3,622.91	1/4	3,278.88	1/4	2,934.85	1/4	2,590.68		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,605.93	1/2	4,293.01	1/2	3,959.74	1/2	3,615.75	1/2	3,271.72	1/2	2,927.69	1/2	2,583.50		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,599.63	3/4	4,286.28	3/4	3,952.59	3/4	3,608.58	3/4	3,264.55	3/4	2,920.52	3/4	2,576.33		
4		4		4		4	4,593.33	4	4,279.55	4	3,945.44	4	3,601.41	4	3,257.38	4	2,913.35	4	2,569.16		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,587.00	1/4	4,272.79	1/4	3,938.28	1/4	3,594.25	1/4	3,250.22	1/4	2,906.18	1/4	2,561.99		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,580.66	1/2	4,266.03	1/2	3,931.11	1/2	3,587.08	1/2	3,243.05	1/2	2,899.02	1/2	2,554.82		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,574.33	3/4	4,259.26	3/4	3,923.94	3/4	3,579.91	3/4	3,235.88	3/4	2,891.85	3/4	2,547.65		
5		5		5		5	4,568.00	5	4,252.50	5	3,916.77	5	3,572.74	5	3,228.71	5	2,884.68	5	2,540.48		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,561.63	1/4	4,245.71	1/4	3,909.61	1/4	3,565.58	1/4	3,221.55	1/4	2,877.52	1/4	2,533.30		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,555.27	1/2	4,238.92	1/2	3,902.44	1/2	3,558.41	1/2	3,214.38	1/2	2,870.35	1/2	2,526.13		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,548.90	3/4	4,232.12	3/4	3,895.27	3/4	3,551.24	3/4	3,207.21	3/4	2,863.18	3/4	2,518.96		
6		6		6		6	4,542.54	6	4,225.33	6	3,888.10	6	3,544.07	6	3,200.04	6	2,856.01	6	2,511.79		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,536.14	1/4	4,218.50	1/4	3,880.94	1/4	3,536.91	1/4	3,192.88	1/4	2,848.84	1/4	2,504.62		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,529.74	1/2	4,211.67	1/2	3,873.77	1/2	3,529.74	1/2	3,185.71	1/2	2,841.67	1/2	2,497.45		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,523.35	3/4	4,204.84	3/4	3,866.60	3/4	3,522.57	3/4	3,178.54	3/4	2,834.50	3/4	2,490.28		
7		7	4,831.45	7	4,516.95	7	4,198.01	7	3,859.44	7	3,515.41	7	3,171.37	7	2,827.33	7	2,483.10				
1/4	1/4	1/4	4,825.41	1/4	4,510.52	1/4	4,191.13	1/4	3,852.27	1/4	3,508.24	1/4	3,164.21	1/4	2,820.16	1/4	2,475.93				
1/2	1/2	1/2	4,819.38	1/2	4,504.09	1/2	4,184.24	1/2	3,845.10	1/2	3,501.07	1/2	3,157.04	1/2	2,812.99	1/2	2,468.76				
3/4	3/4	3/4	4,813.34	3/4	4,497.67	3/4	4,177.36	3/4	3,837.93	3/4	3,493.90	3/4	3,149.87	3/4	2,805.82	3/4	2,461.59				
8		8	4,807.31	8	4,491.24	8	4,170.48	8	3,830.77	8	3,486.74	8	3,142.71	8	2,798.65	8	2,454.42				
1/4	1/4	1/4	4,800.38	1/4	4,484.75	1/4	4,163.56	1/4	3,823.60	1/4	3,479.57	1/4	3,135.54	1/4	2,791.47	1/4	2,447.25				
1/2	1/2	1/2	4,793.44	1/2	4,478.26	1/2	4,156.65	1/2	3,816.43	1/2	3,472.40	1/2	3,128.37	1/2	2,784.30	1/2	2,440.08				
3/4	3/4	3/4	4,786.51	3/4	4,471.77	3/4	4,149.73	3/4	3,809.26	3/4	3,465.23	3/4	3,121.20	3/4	2,777.13	3/4	2,432.90				
9		9	4,779.58	9	4,465.28	9	4,142.81	9	3,802.10	9	3,458.07	9	3,114.04	9	2,769.96	9	2,425.73				
1/4	1/4	1/4	4,772.47	1/4	4,458.75	1/4	4,135.86	1/4	3,794.93	1/4	3,450.90	1/4	3,106.87	1/4	2,762.79	1/4	2,418.56				
1/2	1/2	1/2	4,765.36	1/2	4,452.21	1/2	4,128.91	1/2	3,787.76	1/2	3,443.73	1/2	3,099.70	1/2	2,755.62	1/2	2,411.39				
3/4	3/4	3/4	4,758.25	3/4	4,445.68	3/4	4,121.96	3/4	3,780.60	3/4	3,436.56	3/4	3,092.53	3/4	2,748.45	3/4	2,404.22				
10		10	4,751.14	10	4,439.15	10	4,115.01	10	3,773.43	10	3,429.40	10	3,085.37	10	2,741.28	10	2,397.05				
1/4	1/4	1/4	4,744.03	1/4	4,432.58	1/4	4,108.03	1/4	3,766.26	1/4	3,422.23	1/4	3,078.20	1/4	2,734.10	1/4	2,389.88				
1/2	1/2	1/2	4,736.92	1/2	4,426.01	1/2	4,101.05	1/2	3,759.09	1/2	3,415.06	1/2	3,071.03	1/2	2,726.93	1/2	2,382.71				
3/4	3/4	3/4	4,729.81	3/4	4,419.44	3/4	4,094.07	3/4	3,751.93	3/4	3,407.90	3/4	3,063.87	3/4	2,719.76	3/4	2,375.53				
11		11	4,722.70	11	4,412.87	11	4,087.09	11	3,744.76	11	3,400.73	11	3,056.70	11	2,712.59	11	2,368.36				
1/4	1/4	1/4	4,715.59	1/4	4,406.27	1/4	4,080.08	1/4	3,737.59	1/4	3,393.56	1/4	3,049.53	1/4	2,705.42	1/4	2,361.19				
1/2	1/2	1/2	4,708.48	1/2	4,399.67	1/2	4,073.06	1/2	3,730.42	1/2	3,386.39	1/2	3,042.36	1/2	2,698.25	1/2	2,354.02				
3/4	3/4	3/4	4,701.37	3/4	4,393.07	3/4	4,066.05	3/4	3,723.26	3/4	3,379.23	3/4	3,035.20	3/4	2,691.08	3/4	2,346.85				

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 40'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 27738"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 335"

GAUGE HEIGHT 16'-10"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,339.68	0	1,995.45	0	1,657.03	0	1,312.73	0	975.21	0	638.53	0	294.25	0		0		0	
1/4	2,332.51	1/4	1,988.28	1/4	1,649.86	1/4	1,305.56	1/4	968.34	1/4	631.36	1/4	287.08	1/4	1/4		1/4		1/4
1/2	2,325.33	1/2	1,981.11	1/2	1,642.69	1/2	1,298.39	1/2	961.47	1/2	624.19	1/2	279.90	1/2	1/2		1/2		1/2
3/4	2,318.16	3/4	1,973.94	3/4	1,635.51	3/4	1,291.21	3/4	954.61	3/4	617.02	3/4	272.73	3/4	3/4		3/4		3/4
1	2,310.99	1	1,966.76	1	1,628.34	1	1,284.04	1	947.74	1	609.84	1	265.56	1	1		1		1
1/4	2,303.82	1/4	1,960.10	1/4	1,621.17	1/4	1,276.87	1/4	940.87	1/4	602.67	1/4	258.39	1/4	1/4		1/4		1/4
1/2	2,296.65	1/2	1,953.44	1/2	1,613.99	1/2	1,269.70	1/2	934.00	1/2	595.50	1/2	251.21	1/2	1/2		1/2		1/2
3/4	2,289.48	3/4	1,946.78	3/4	1,606.82	3/4	1,262.52	3/4	927.13	3/4	588.32	3/4	244.04	3/4	3/4		3/4		3/4
2	2,282.31	2	1,940.11	2	1,599.65	2	1,255.35	2	920.26	2	581.15	2	236.87	2	2		2		2
1/4	2,275.13	1/4	1,933.62	1/4	1,592.48	1/4	1,248.18	1/4	913.40	1/4	573.98	1/4	229.69	1/4	1/4		1/4		1/4
1/2	2,267.96	1/2	1,927.13	1/2	1,585.30	1/2	1,241.00	1/2	906.53	1/2	566.81	1/2	222.52	1/2	1/2		1/2		1/2
3/4	2,260.79	3/4	1,920.64	3/4	1,578.13	3/4	1,233.83	3/4	899.66	3/4	559.63	3/4	215.35	3/4	3/4		3/4		3/4
3	2,253.62	3	1,914.14	3	1,570.96	3	1,226.66	3	892.79	3	552.46	3	208.18	3	3		3		3
1/4	2,246.45	1/4	1,907.17	1/4	1,563.78	1/4	1,219.49	1/4	885.92	1/4	545.29	1/4	201.00	1/4	1/4		1/4		1/4
1/2	2,239.28	1/2	1,900.19	1/2	1,556.61	1/2	1,212.31	1/2	879.06	1/2	538.12	1/2	193.83	1/2	1/2		1/2		1/2
3/4	2,232.11	3/4	1,893.22	3/4	1,549.44	3/4	1,205.14	3/4	872.19	3/4	530.94	3/4	186.66	3/4	3/4		3/4		3/4
4	2,224.93	4	1,886.24	4	1,542.27	4	1,197.97	4	865.32	4	523.77	4	179.49	4	4		4		4
1/4	2,217.76	1/4	1,879.10	1/4	1,535.09	1/4	1,190.79	1/4	858.45	1/4	516.60	1/4	172.31	1/4	1/4		1/4		1/4
1/2	2,210.59	1/2	1,871.96	1/2	1,527.92	1/2	1,183.62	1/2	851.58	1/2	509.43	1/2	165.14	1/2	1/2		1/2		1/2
3/4	2,203.42	3/4	1,864.83	3/4	1,520.75	3/4	1,176.45	3/4	844.71	3/4	502.25	3/4	157.97	3/4	3/4		3/4		3/4
5	2,196.25	5	1,857.69	5	1,513.57	5	1,169.27	5	837.85	5	495.08	5	150.80	5	5		5		5
1/4	2,189.08	1/4	1,850.55	1/4	1,506.40	1/4	1,162.10	1/4	830.98	1/4	487.91	1/4	143.62	1/4	1/4		1/4		1/4
1/2	2,181.91	1/2	1,843.42	1/2	1,499.23	1/2	1,154.93	1/2	824.11	1/2	480.74	1/2	136.45	1/2	1/2		1/2		1/2
3/4	2,174.73	3/4	1,836.28	3/4	1,492.06	3/4	1,147.76	3/4	817.24	3/4	473.56	3/4	129.28	3/4	3/4		3/4		3/4
6	2,167.56	6	1,829.14	6	1,484.88	6	1,140.58	6	810.37	6	466.39	6	122.11	6	6		6		6
1/4	2,160.39	1/4	1,821.98	1/4	1,477.71	1/4	1,133.62	1/4	803.28	1/4	459.22	1/4	114.94	1/4	1/4		1/4		1/4
1/2	2,153.22	1/2	1,814.82	1/2	1,470.54	1/2	1,126.66	1/2	796.18	1/2	452.05	1/2	107.78	1/2	1/2		1/2		1/2
3/4	2,146.05	3/4	1,807.65	3/4	1,463.36	3/4	1,119.70	3/4	789.08	3/4	444.87	3/4	100.62	3/4	3/4		3/4		3/4
7	2,138.88	7	1,800.49	7	1,456.19	7	1,112.74	7	781.99	7	437.70	7	93.45	7	7		7		7
1/4	2,131.71	1/4	1,793.32	1/4	1,449.02	1/4	1,105.85	1/4	774.81	1/4	430.53	1/4	86.31	1/4	1/4		1/4		1/4
1/2	2,124.53	1/2	1,786.14	1/2	1,441.84	1/2	1,098.96	1/2	767.64	1/2	423.36	1/2	79.16	1/2	1/2		1/2		1/2
3/4	2,117.36	3/4	1,778.97	3/4	1,434.67	3/4	1,092.07	3/4	760.47	3/4	416.18	3/4	72.02	3/4	3/4		3/4		3/4
8	2,110.19	8	1,771.80	8	1,427.50	8	1,085.18	8	753.29	8	409.01	8	64.88	8	8		8		8
1/4	2,103.02	1/4	1,764.63	1/4	1,420.33	1/4	1,078.30	1/4	746.12	1/4	401.84	1/4	58.38	1/4	1/4		1/4		1/4
1/2	2,095.85	1/2	1,757.45	1/2	1,413.15	1/2	1,071.42	1/2	738.95	1/2	394.66	1/2	51.89	1/2	1/2		1/2		1/2
3/4	2,088.68	3/4	1,750.28	3/4	1,405.98	3/4	1,064.55	3/4	731.78	3/4	387.49	3/4	45.40	3/4	3/4		3/4		3/4
9	2,081.51	9	1,743.11	9	1,398.81	9	1,057.67	9	724.60	9	380.32	9	38.91	9	9		9		9
1/4	2,074.33	1/4	1,735.93	1/4	1,391.63	1/4	1,050.79	1/4	717.43	1/4	373.15	1/4	33.98	1/4	1/4		1/4		1/4
1/2	2,067.16	1/2	1,728.76	1/2	1,384.46	1/2	1,043.92	1/2	710.26	1/2	365.97	1/2	29.05	1/2	1/2		1/2		1/2
3/4	2,059.99	3/4	1,721.59	3/4	1,377.29	3/4	1,037.04	3/4	703.09	3/4	358.80	3/4	24.12	3/4	3/4		3/4		3/4
10	2,052.82	10	1,714.42	10	1,370.12	10	1,030.16	10	695.91	10	351.63	10	19.19	10	10		10		10
1/4	2,045.65	1/4	1,707.24	1/4	1,362.94	1/4	1,023.29	1/4	688.74	1/4	344.46	1/4		1/4	1/4		1/4		1/4
1/2	2,038.48	1/2	1,700.07	1/2	1,355.77	1/2	1,016.42	1/2	681.57	1/2	337.28	1/2		1/2	1/2		1/2		1/2
3/4	2,031.31	3/4	1,692.90	3/4	1,348.60	3/4	1,009.55	3/4	674.40	3/4	330.11	3/4		3/4	3/4		3/4		3/4
11	2,024.14	11	1,685.72	11	1,341.42	11	1,002.68	11	667.22	11	322.94	11		11	11		11		11
1/4	2,016.96	1/4	1,678.55	1/4	1,334.25	1/4	995.81	1/4	660.05	1/4	315.77	1/4		1/4	1/4		1/4		1/4
1/2	2,009.79	1/2	1,671.38	1/2	1,327.08	1/2	988.95	1/2	652.88	1/2	308.59	1/2		1/2	1/2		1/2		1/2
3/4	2,002.62	3/4	1,664.20	3/4	1,319.91	3/4	982.08	3/4	645.71	3/4	301.42	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/04/2014 PMA
RECALCULATED: 09/11/2019
NAME CHANGE: 09/11/2019

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "KIRBY 27738"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 335"

GAUGE HEIGHT 16'-10"

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	4,707.05	0	4,399.30	0	4,071.94	0	3,729.10	0	3,385.15	0	3,041.20	0	2,697.16
1/4		1/4		1/4		1/4	4,700.62	1/4	4,392.67	1/4	4,064.90	1/4	3,721.93	1/4	3,377.98	1/4	3,034.03	1/4	2,689.99
1/2		1/2		1/2		1/2	4,694.18	1/2	4,386.04	1/2	4,057.85	1/2	3,714.77	1/2	3,370.82	1/2	3,026.87	1/2	2,682.82
3/4		3/4		3/4		3/4	4,687.75	3/4	4,379.40	3/4	4,050.80	3/4	3,707.60	3/4	3,363.65	3/4	3,019.70	3/4	2,675.65
1		1		1		1	4,681.32	1	4,372.77	1	4,043.75	1	3,700.44	1	3,356.49	1	3,012.54	1	2,668.48
1/4		1/4		1/4		1/4	4,675.08	1/4	4,366.10	1/4	4,036.67	1/4	3,693.27	1/4	3,349.32	1/4	3,005.37	1/4	2,661.31
1/2		1/2		1/2		1/2	4,668.85	1/2	4,359.44	1/2	4,029.58	1/2	3,686.10	1/2	3,342.16	1/2	2,998.21	1/2	2,654.14
3/4		3/4		3/4		3/4	4,662.62	3/4	4,352.77	3/4	4,022.50	3/4	3,678.94	3/4	3,334.99	3/4	2,991.04	3/4	2,646.97
2		2		2		2	4,656.38	2	4,346.11	2	4,015.42	2	3,671.77	2	3,327.82	2	2,983.88	2	2,639.81
1/4		1/4		1/4		1/4	4,650.12	1/4	4,339.41	1/4	4,008.30	1/4	3,664.61	1/4	3,320.66	1/4	2,976.71	1/4	2,632.64
1/2		1/2		1/2		1/2	4,643.86	1/2	4,332.71	1/2	4,001.19	1/2	3,657.44	1/2	3,313.49	1/2	2,969.54	1/2	2,625.47
3/4		3/4		3/4		3/4	4,637.60	3/4	4,326.02	3/4	3,994.08	3/4	3,650.28	3/4	3,306.33	3/4	2,962.38	3/4	2,618.30
3		3		3		3	4,631.33	3	4,319.32	3	3,986.96	3	3,643.11	3	3,299.16	3	2,955.21	3	2,611.13
1/4		1/4		1/4		1/4	4,625.03	1/4	4,312.59	1/4	3,979.82	1/4	3,635.94	1/4	3,292.00	1/4	2,948.05	1/4	2,603.96
1/2		1/2		1/2		1/2	4,618.74	1/2	4,305.86	1/2	3,972.67	1/2	3,628.78	1/2	3,284.83	1/2	2,940.88	1/2	2,596.79
3/4		3/4		3/4		3/4	4,612.44	3/4	4,299.14	3/4	3,965.52	3/4	3,621.61	3/4	3,277.66	3/4	2,933.72	3/4	2,589.62
4		4		4		4	4,606.14	4	4,292.41	4	3,958.38	4	3,614.45	4	3,270.50	4	2,926.55	4	2,582.45
1/4		1/4		1/4		1/4	4,599.81	1/4	4,285.65	1/4	3,951.22	1/4	3,607.28	1/4	3,263.33	1/4	2,919.38	1/4	2,575.28
1/2		1/2		1/2		1/2	4,593.47	1/2	4,278.89	1/2	3,944.06	1/2	3,600.12	1/2	3,256.17	1/2	2,912.22	1/2	2,568.11
3/4		3/4		3/4		3/4	4,587.14	3/4	4,272.13	3/4	3,936.90	3/4	3,592.95	3/4	3,249.00	3/4	2,905.05	3/4	2,560.94
5		5		5		5	4,580.81	5	4,265.37	5	3,929.73	5	3,585.79	5	3,241.84	5	2,897.89	5	2,553.77
1/4		1/4		1/4		1/4	4,574.44	1/4	4,258.58	1/4	3,922.57	1/4	3,578.62	1/4	3,234.67	1/4	2,890.72	1/4	2,546.60
1/2		1/2		1/2		1/2	4,568.08	1/2	4,251.78	1/2	3,915.40	1/2	3,571.45	1/2	3,227.51	1/2	2,883.56	1/2	2,539.43
3/4		3/4		3/4		3/4	4,561.72	3/4	4,244.99	3/4	3,908.24	3/4	3,564.29	3/4	3,220.34	3/4	2,876.39	3/4	2,532.26
6		6		6		6	4,555.35	6	4,238.20	6	3,901.07	6	3,557.12	6	3,213.17	6	2,869.23	6	2,525.09
1/4		1/4		1/4		1/4	4,548.96	1/4	4,231.37	1/4	3,893.91	1/4	3,549.96	1/4	3,206.01	1/4	2,862.06	1/4	2,517.92
1/2		1/2		1/2		1/2	4,542.56	1/2	4,224.54	1/2	3,886.74	1/2	3,542.79	1/2	3,198.84	1/2	2,854.89	1/2	2,510.75
3/4		3/4		3/4		3/4	4,536.16	3/4	4,217.71	3/4	3,879.58	3/4	3,535.63	3/4	3,191.68	3/4	2,847.72	3/4	2,503.58
7		7		7	4,844.20	7	4,529.77	7	4,210.88	7	3,872.41	7	3,528.46	7	3,184.51	7	2,840.55	7	2,496.41
1/4		1/4		1/4	4,838.17	1/4	4,523.34	1/4	4,204.00	1/4	3,865.24	1/4	3,521.30	1/4	3,177.35	1/4	2,833.38	1/4	2,489.24
1/2		1/2		1/2	4,832.14	1/2	4,516.91	1/2	4,197.12	1/2	3,858.08	1/2	3,514.13	1/2	3,170.18	1/2	2,826.21	1/2	2,482.07
3/4		3/4		3/4	4,826.10	3/4	4,510.49	3/4	4,190.24	3/4	3,850.91	3/4	3,506.96	3/4	3,163.02	3/4	2,819.05	3/4	2,474.90
8		8		8	4,820.07	8	4,504.06	8	4,183.37	8	3,843.75	8	3,499.80	8	3,155.85	8	2,811.88	8	2,467.73
1/4		1/4		1/4	4,813.14	1/4	4,497.57	1/4	4,176.45	1/4	3,836.58	1/4	3,492.63	1/4	3,148.68	1/4	2,804.71	1/4	2,460.57
1/2		1/2		1/2	4,806.21	1/2	4,491.08	1/2	4,169.53	1/2	3,829.42	1/2	3,485.47	1/2	3,141.52	1/2	2,797.54	1/2	2,453.40
3/4		3/4		3/4	4,799.28	3/4	4,484.59	3/4	4,162.62	3/4	3,822.25	3/4	3,478.30	3/4	3,134.35	3/4	2,790.37	3/4	2,446.23
9		9		9	4,792.35	9	4,478.10	9	4,155.70	9	3,815.08	9	3,471.14	9	3,127.19	9	2,783.20	9	2,439.06
1/4		1/4		1/4	4,785.24	1/4	4,471.57	1/4	4,148.75	1/4	3,807.92	1/4	3,463.97	1/4	3,120.02	1/4	2,776.03	1/4	2,431.89
1/2		1/2		1/2	4,778.13	1/2	4,465.04	1/2	4,141.80	1/2	3,800.75	1/2	3,456.80	1/2	3,112.86	1/2	2,768.86	1/2	2,424.72
3/4		3/4		3/4	4,771.03	3/4	4,458.51	3/4	4,134.86	3/4	3,793.59	3/4	3,449.64	3/4	3,105.69	3/4	2,761.69	3/4	2,417.55
10		10		10	4,763.92	10	4,451.98	10	4,127.91	10	3,786.42	10	3,442.47	10	3,098.52	10	2,754.52	10	2,410.38
1/4		1/4		1/4	4,756.81	1/4	4,445.41	1/4	4,120.93	1/4	3,779.26	1/4	3,435.31	1/4	3,091.36	1/4	2,747.35	1/4	2,403.21
1/2		1/2		1/2	4,749.70	1/2	4,438.85	1/2	4,113.95	1/2	3,772.09	1/2	3,428.14	1/2	3,084.19	1/2	2,740.18	1/2	2,396.04
3/4		3/4		3/4	4,742.59	3/4	4,432.28	3/4	4,106.97	3/4	3,764.93	3/4	3,420.98	3/4	3,077.03	3/4	2,733.01	3/4	2,388.87
11		11		11	4,735.49	11	4,425.71	11	4,099.99	11	3,757.76	11	3,413.81	11	3,069.86	11	2,725.84	11	2,381.70
1/4		1/4		1/4	4,728.38	1/4	4,419.11	1/4	4,092.98	1/4	3,750.59	1/4	3,406.65	1/4	3,062.70	1/4	2,718.67	1/4	2,374.53
1/2		1/2		1/2	4,721.27	1/2	4,412.51	1/2	4,085.97	1/2	3,743.43	1/2	3,399.48	1/2	3,055.53	1/2	2,711.50	1/2	2,367.36
3/4		3/4		3/4	4,714.16	3/4	4,405.90	3/4	4,078.96	3/4	3,736.26	3/4	3,392.31	3/4	3,048.37	3/4	2,704.33	3/4	2,360.19

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 40'-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 27738"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 335"

GAUGE HEIGHT 16'-10"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,353.02	0	2,008.88	0	1,670.54	0	1,326.33	0	982.26	0	638.38	0	294.18	0		0		0	
1/4	2,345.85	1/4	2,001.71	1/4	1,663.37	1/4	1,319.16	1/4	975.10	1/4	631.21	1/4	287.01	1/4	1/4	1/4		1/4	
1/2	2,338.68	1/2	1,994.54	1/2	1,656.20	1/2	1,311.99	1/2	967.94	1/2	624.04	1/2	279.84	1/2	1/2	1/2		1/2	
3/4	2,331.51	3/4	1,987.37	3/4	1,649.03	3/4	1,304.82	3/4	960.78	3/4	616.86	3/4	272.67	3/4	3/4	3/4		3/4	
1	2,324.34	1	1,980.20	1	1,641.85	1	1,297.65	1	953.63	1	609.69	1	265.50	1	1	1		1	
1/4	2,317.17	1/4	1,973.54	1/4	1,634.68	1/4	1,290.48	1/4	946.47	1/4	602.52	1/4	258.32	1/4	1/4	1/4		1/4	
1/2	2,310.00	1/2	1,966.88	1/2	1,627.51	1/2	1,283.30	1/2	939.31	1/2	595.35	1/2	251.15	1/2	1/2	1/2		1/2	
3/4	2,302.83	3/4	1,960.22	3/4	1,620.34	3/4	1,276.13	3/4	932.15	3/4	588.18	3/4	243.98	3/4	3/4	3/4		3/4	
2	2,295.66	2	1,953.56	2	1,613.17	2	1,268.96	2	924.99	2	581.01	2	236.81	2	2	2		2	
1/4	2,288.49	1/4	1,947.07	1/4	1,606.00	1/4	1,261.79	1/4	917.83	1/4	573.84	1/4	229.64	1/4	1/4	1/4		1/4	
1/2	2,281.33	1/2	1,940.57	1/2	1,598.83	1/2	1,254.62	1/2	910.68	1/2	566.67	1/2	222.47	1/2	1/2	1/2		1/2	
3/4	2,274.16	3/4	1,934.08	3/4	1,591.66	3/4	1,247.45	3/4	903.52	3/4	559.50	3/4	215.30	3/4	3/4	3/4		3/4	
3	2,266.99	3	1,927.59	3	1,584.49	3	1,240.28	3	896.36	3	552.33	3	208.13	3	3	3		3	
1/4	2,259.82	1/4	1,920.62	1/4	1,577.32	1/4	1,233.11	1/4	889.20	1/4	545.16	1/4	200.96	1/4	1/4	1/4		1/4	
1/2	2,252.65	1/2	1,913.64	1/2	1,570.14	1/2	1,225.94	1/2	882.04	1/2	537.99	1/2	193.79	1/2	1/2	1/2		1/2	
3/4	2,245.48	3/4	1,906.67	3/4	1,562.97	3/4	1,218.77	3/4	874.89	3/4	530.81	3/4	186.62	3/4	3/4	3/4		3/4	
4	2,238.31	4	1,899.69	4	1,555.80	4	1,211.59	4	867.73	4	523.64	4	179.45	4	4	4		4	
1/4	2,231.14	1/4	1,892.56	1/4	1,548.63	1/4	1,204.42	1/4	860.57	1/4	516.47	1/4	172.27	1/4	1/4	1/4		1/4	
1/2	2,223.97	1/2	1,885.42	1/2	1,541.46	1/2	1,197.25	1/2	853.41	1/2	509.30	1/2	165.10	1/2	1/2	1/2		1/2	
3/4	2,216.80	3/4	1,878.29	3/4	1,534.29	3/4	1,190.08	3/4	846.25	3/4	502.13	3/4	157.93	3/4	3/4	3/4		3/4	
5	2,209.63	5	1,871.15	5	1,527.12	5	1,182.91	5	839.10	5	494.96	5	150.76	5	5	5		5	
1/4	2,202.46	1/4	1,864.02	1/4	1,519.95	1/4	1,175.74	1/4	831.94	1/4	487.79	1/4	143.59	1/4	1/4	1/4		1/4	
1/2	2,195.29	1/2	1,856.88	1/2	1,512.78	1/2	1,168.57	1/2	824.78	1/2	480.62	1/2	136.42	1/2	1/2	1/2		1/2	
3/4	2,188.12	3/4	1,849.74	3/4	1,505.61	3/4	1,161.40	3/4	817.62	3/4	473.45	3/4	129.25	3/4	3/4	3/4		3/4	
6	2,180.95	6	1,842.61	6	1,498.43	6	1,154.23	6	810.46	6	466.28	6	122.08	6	6	6		6	
1/4	2,173.78	1/4	1,835.45	1/4	1,491.26	1/4	1,147.06	1/4	803.30	1/4	459.11	1/4	114.92	1/4	1/4	1/4		1/4	
1/2	2,166.61	1/2	1,828.28	1/2	1,484.09	1/2	1,139.88	1/2	796.13	1/2	451.94	1/2	107.76	1/2	1/2	1/2		1/2	
3/4	2,159.44	3/4	1,821.12	3/4	1,476.92	3/4	1,132.71	3/4	788.96	3/4	444.77	3/4	100.59	3/4	3/4	3/4		3/4	
7	2,152.27	7	1,813.96	7	1,469.75	7	1,125.54	7	781.79	7	437.59	7	93.43	7	7	7		7	
1/4	2,145.10	1/4	1,806.79	1/4	1,462.58	1/4	1,118.37	1/4	774.62	1/4	430.42	1/4	86.29	1/4	1/4	1/4		1/4	
1/2	2,137.93	1/2	1,799.62	1/2	1,455.41	1/2	1,111.20	1/2	767.45	1/2	423.25	1/2	79.15	1/2	1/2	1/2		1/2	
3/4	2,130.76	3/4	1,792.45	3/4	1,448.24	3/4	1,104.03	3/4	760.28	3/4	416.08	3/4	72.01	3/4	3/4	3/4		3/4	
8	2,123.59	8	1,785.27	8	1,441.07	8	1,096.86	8	753.11	8	408.91	8	64.86	8	8	8		8	
1/4	2,116.42	1/4	1,778.10	1/4	1,433.90	1/4	1,089.69	1/4	745.94	1/4	401.74	1/4	58.37	1/4	1/4	1/4		1/4	
1/2	2,109.25	1/2	1,770.93	1/2	1,426.72	1/2	1,082.52	1/2	738.77	1/2	394.57	1/2	51.89	1/2	1/2	1/2		1/2	
3/4	2,102.09	3/4	1,763.76	3/4	1,419.55	3/4	1,075.36	3/4	731.60	3/4	387.40	3/4	45.40	3/4	3/4	3/4		3/4	
9	2,094.92	9	1,756.59	9	1,412.38	9	1,068.19	9	724.43	9	380.23	9	38.91	9	9	9		9	
1/4	2,087.75	1/4	1,749.42	1/4	1,405.21	1/4	1,061.03	1/4	717.26	1/4	373.06	1/4	33.98	1/4	1/4	1/4		1/4	
1/2	2,080.58	1/2	1,742.25	1/2	1,398.04	1/2	1,053.86	1/2	710.08	1/2	365.89	1/2	29.05	1/2	1/2	1/2		1/2	
3/4	2,073.41	3/4	1,735.08	3/4	1,390.87	3/4	1,046.69	3/4	702.91	3/4	358.72	3/4	24.12	3/4	3/4	3/4		3/4	
10	2,066.24	10	1,727.91	10	1,383.70	10	1,039.53	10	695.74	10	351.54	10	19.19	10	10	10		10	
1/4	2,059.07	1/4	1,720.74	1/4	1,376.53	1/4	1,032.37	1/4	688.57	1/4	344.37	1/4		1/4	1/4	1/4		1/4	
1/2	2,051.90	1/2	1,713.56	1/2	1,369.36	1/2	1,025.21	1/2	681.40	1/2	337.20	1/2		1/2	1/2	1/2		1/2	
3/4	2,044.73	3/4	1,706.39	3/4	1,362.19	3/4	1,018.05	3/4	674.23	3/4	330.03	3/4		3/4	3/4	3/4		3/4	
11	2,037.56	11	1,699.22	11	1,355.01	11	1,010.89	11	667.06	11	322.86	11		11	11	11		11	
1/4	2,030.39	1/4	1,692.05	1/4	1,347.84	1/4	1,003.73	1/4	659.89	1/4	315.69	1/4		1/4	1/4	1/4		1/4	
1/2	2,023.22	1/2	1,684.88	1/2	1,340.67	1/2	996.57	1/2	652.72	1/2	308.52	1/2		1/2	1/2	1/2		1/2	
3/4	2,016.05	3/4	1,677.71	3/4	1,333.50	3/4	989.42	3/4	645.55	3/4	301.35	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/04/2014 PMA
RECALCULATED: 09/11/2019
NAME CHANGE: 09/11/2019

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 27738"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 335"

GAUGE HEIGHT 16'-09 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	4,333.42	0	4,158.72	0	3,972.45	0	3,777.67	0	3,544.04	0	3,181.76	0	2,818.78		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,329.78	1/4	4,154.96	1/4	3,968.45	1/4	3,773.60	1/4	3,536.50	1/4	3,174.20	1/4	2,811.22		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,326.13	1/2	4,151.19	1/2	3,964.45	1/2	3,769.53	1/2	3,528.95	1/2	3,166.64	1/2	2,803.66		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,322.60	3/4	4,147.41	3/4	3,960.43	3/4	3,765.47	3/4	3,521.41	3/4	3,159.08	3/4	2,796.09		
1	1	1	1	1	1	1	4,319.06	1	4,143.63	1	3,956.41	1	3,761.40	1	3,513.87	1	3,151.52	1	2,788.53		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,315.53	1/4	4,139.85	1/4	3,952.39	1/4	3,757.33	1/4	3,506.33	1/4	3,143.96	1/4	2,780.97		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,312.00	1/2	4,136.07	1/2	3,948.37	1/2	3,753.26	1/2	3,498.79	1/2	3,136.40	1/2	2,773.40		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,308.45	3/4	4,132.27	3/4	3,944.33	3/4	3,749.19	3/4	3,491.25	3/4	3,128.84	3/4	2,765.84		
2	2	2	2	2	2	2	4,304.90	2	4,128.47	2	3,940.29	2	3,745.13	2	3,483.71	2	3,121.28	2	2,758.28		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,301.35	1/4	4,124.67	1/4	3,936.25	1/4	3,741.06	1/4	3,476.17	1/4	3,113.72	1/4	2,750.71		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,297.81	1/2	4,120.87	1/2	3,932.21	1/2	3,736.99	1/2	3,468.63	1/2	3,106.16	1/2	2,743.15		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,294.24	3/4	4,117.05	3/4	3,928.15	3/4	3,732.92	3/4	3,461.09	3/4	3,098.60	3/4	2,735.59		
3	3	3	3	3	3	3	4,290.67	3	4,113.23	3	3,924.10	3	3,728.85	3	3,453.55	3	3,091.03	3	2,728.02		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,287.10	1/4	4,109.41	1/4	3,920.04	1/4	3,724.78	1/4	3,446.01	1/4	3,083.47	1/4	2,720.46		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,283.53	1/2	4,105.60	1/2	3,915.98	1/2	3,720.72	1/2	3,438.47	1/2	3,075.91	1/2	2,712.90		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,279.94	3/4	4,101.76	3/4	3,911.92	3/4	3,716.65	3/4	3,430.93	3/4	3,068.35	3/4	2,705.33		
4	4	4	4	4	4	4	4,276.35	4	4,097.93	4	3,907.85	4	3,712.58	4	3,423.39	4	3,060.79	4	2,697.77		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,272.76	1/4	4,094.09	1/4	3,903.78	1/4	3,708.51	1/4	3,415.85	1/4	3,053.23	1/4	2,690.21		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,269.18	1/2	4,090.25	1/2	3,899.72	1/2	3,704.44	1/2	3,408.31	1/2	3,045.67	1/2	2,682.64		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,265.57	3/4	4,086.40	3/4	3,895.65	3/4	3,700.38	3/4	3,400.77	3/4	3,038.11	3/4	2,675.08		
5	5	5	5	5	5	5	4,261.96	5	4,082.55	5	3,891.58	5	3,696.31	5	3,393.23	5	3,030.55	5	2,667.52		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,258.36	1/4	4,078.69	1/4	3,887.51	1/4	3,692.24	1/4	3,385.69	1/4	3,022.99	1/4	2,659.95		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,254.75	1/2	4,074.84	1/2	3,883.44	1/2	3,688.17	1/2	3,378.15	1/2	3,015.43	1/2	2,652.39		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,251.13	3/4	4,070.96	3/4	3,879.38	3/4	3,684.10	3/4	3,370.61	3/4	3,007.87	3/4	2,644.82		
6	6	6	6	6	6	6	4,247.50	6	4,067.09	6	3,875.31	6	3,680.03	6	3,363.07	6	3,000.30	6	2,637.25		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,243.88	1/4	4,063.21	1/4	3,871.24	1/4	3,675.97	1/4	3,355.53	1/4	2,992.74	1/4	2,629.68		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,416.00	1/2	4,240.25	1/2	4,059.34	1/2	3,867.17	1/2	3,671.90	1/2	3,347.99	1/2	2,985.18	1/2	2,622.11
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,413.11	3/4	4,236.61	3/4	4,055.43	3/4	3,863.10	3/4	3,667.83	3/4	3,340.45	3/4	2,977.62	3/4	2,614.54
7	7	7	7	7	7	7	4,410.21	7	4,232.97	7	4,051.53	7	3,859.04	7	3,663.76	7	3,332.91	7	2,970.05	7	2,606.97
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,407.32	1/4	4,229.33	1/4	4,047.62	1/4	3,854.97	1/4	3,659.69	1/4	3,325.37	1/4	2,962.49	1/4	2,599.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,404.43	1/2	4,225.69	1/2	4,043.72	1/2	3,850.90	1/2	3,655.63	1/2	3,317.83	1/2	2,954.93	1/2	2,591.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,400.59	3/4	4,222.01	3/4	4,039.79	3/4	3,846.83	3/4	3,651.56	3/4	3,310.28	3/4	2,947.36	3/4	2,584.26
8	8	8	8	8	8	8	4,396.75	8	4,218.32	8	4,035.86	8	3,842.76	8	3,647.49	8	3,302.72	8	2,939.80	8	2,576.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,392.91	1/4	4,214.64	1/4	4,031.94	1/4	3,838.69	1/4	3,643.42	1/4	3,295.17	1/4	2,932.24	1/4	2,569.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,389.07	1/2	4,210.96	1/2	4,028.01	1/2	3,834.63	1/2	3,639.35	1/2	3,287.61	1/2	2,924.67	1/2	2,561.55
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,385.04	3/4	4,207.26	3/4	4,024.07	3/4	3,830.56	3/4	3,633.97	3/4	3,280.05	3/4	2,917.11	3/4	2,553.98
9	9	9	9	9	9	9	4,381.01	9	4,203.55	9	4,020.12	9	3,826.49	9	3,628.58	9	3,272.49	9	2,909.55	9	2,546.41
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,376.98	1/4	4,199.85	1/4	4,016.18	1/4	3,822.42	1/4	3,623.20	1/4	3,264.93	1/4	2,901.98	1/4	2,538.84
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,372.95	1/2	4,196.14	1/2	4,012.23	1/2	3,818.35	1/2	3,617.81	1/2	3,257.37	1/2	2,894.42	1/2	2,531.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,368.92	3/4	4,192.41	3/4	4,008.27	3/4	3,814.29	3/4	3,610.69	3/4	3,249.81	3/4	2,886.86	3/4	2,523.73
10	10	10	10	10	10	10	4,364.89	10	4,188.69	10	4,004.31	10	3,810.22	10	3,603.57	10	3,242.25	10	2,879.29	10	2,516.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,360.86	1/4	4,184.96	1/4	4,000.34	1/4	3,806.15	1/4	3,596.45	1/4	3,234.69	1/4	2,871.73	1/4	2,508.64
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,356.83	1/2	4,181.23	1/2	3,996.38	1/2	3,802.08	1/2	3,589.33	1/2	3,227.13	1/2	2,864.17	1/2	2,501.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,352.80	3/4	4,177.49	3/4	3,992.40	3/4	3,798.01	3/4	3,581.78	3/4	3,219.57	3/4	2,856.60	3/4	2,493.57
11	11	11	11	11	11	11	4,348.77	11	4,173.74	11	3,988.42	11	3,793.94	11	3,574.23	11	3,212.01	11	2,849.04	11	2,486.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,344.74	1/4	4,170.00	1/4	3,984.44	1/4	3,789.88	1/4	3,566.68	1/4	3,204.45	1/4	2,841.47	1/4	2,478.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,340.72	1/2	4,166.25	1/2	3,980.46	1/2	3,785.81	1/2	3,559.12	1/2	3,196.88	1/2	2,833.91	1/2	2,470.97
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,337.07	3/4	4,162.49	3/4	3,976.46	3/4	3,781.74	3/4	3,551.58	3/4	3,189.32	3/4	2,826.35	3/4	2,463.44

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 27738"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 335"

GAUGE HEIGHT 16'-09 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,455.91	0	2,094.97	0	1,739.14	0	1,375.67	0	1,017.73	0	659.44	0	295.81	0		0		0	
1/4	2,448.37	1/4	2,087.46	1/4	1,731.56	1/4	1,368.10	1/4	1,010.38	1/4	651.86	1/4	288.23	1/4	1/4	1/4		1/4	1/4
1/2	2,440.84	1/2	2,079.95	1/2	1,723.99	1/2	1,360.53	1/2	1,003.04	1/2	644.28	1/2	280.66	1/2	1/2	1/2		1/2	1/2
3/4	2,433.31	3/4	2,072.98	3/4	1,716.42	3/4	1,352.95	3/4	995.70	3/4	636.71	3/4	273.08	3/4	3/4	3/4		3/4	3/4
1	2,425.78	1	2,066.01	1	1,708.85	1	1,345.38	1	988.35	1	629.13	1	265.51	1	1	1		1	1
1/4	2,418.24	1/4	2,059.04	1/4	1,701.27	1/4	1,337.81	1/4	981.01	1/4	621.55	1/4	257.93	1/4	1/4	1/4		1/4	1/4
1/2	2,410.71	1/2	2,052.07	1/2	1,693.70	1/2	1,330.24	1/2	973.67	1/2	613.98	1/2	250.36	1/2	1/2	1/2		1/2	1/2
3/4	2,403.18	3/4	2,045.28	3/4	1,686.13	3/4	1,322.66	3/4	966.33	3/4	606.40	3/4	242.78	3/4	3/4	3/4		3/4	3/4
2	2,395.65	2	2,038.49	2	1,678.56	2	1,315.09	2	958.98	2	598.83	2	235.21	2	2	2		2	2
1/4	2,388.12	1/4	2,031.70	1/4	1,670.99	1/4	1,307.52	1/4	951.64	1/4	591.25	1/4	227.63	1/4	1/4	1/4		1/4	1/4
1/2	2,380.58	1/2	2,024.91	1/2	1,663.41	1/2	1,299.95	1/2	944.30	1/2	583.67	1/2	220.05	1/2	1/2	1/2		1/2	1/2
3/4	2,373.05	3/4	2,017.61	3/4	1,655.84	3/4	1,292.38	3/4	936.96	3/4	576.10	3/4	212.48	3/4	3/4	3/4		3/4	3/4
3	2,365.52	3	2,010.30	3	1,648.27	3	1,284.80	3	929.61	3	568.52	3	204.90	3	3	3		3	3
1/4	2,357.99	1/4	2,003.00	1/4	1,640.70	1/4	1,277.23	1/4	922.27	1/4	560.94	1/4	197.32	1/4	1/4	1/4		1/4	1/4
1/2	2,350.46	1/2	1,995.70	1/2	1,633.12	1/2	1,269.66	1/2	914.93	1/2	553.37	1/2	189.75	1/2	1/2	1/2		1/2	1/2
3/4	2,342.92	3/4	1,988.22	3/4	1,625.55	3/4	1,262.09	3/4	907.58	3/4	545.79	3/4	182.17	3/4	3/4	3/4		3/4	3/4
4	2,335.39	4	1,980.75	4	1,617.98	4	1,254.51	4	900.24	4	538.22	4	174.59	4	4	4		4	4
1/4	2,327.86	1/4	1,973.28	1/4	1,610.41	1/4	1,246.94	1/4	892.90	1/4	530.64	1/4	167.02	1/4	1/4	1/4		1/4	1/4
1/2	2,320.33	1/2	1,965.80	1/2	1,602.84	1/2	1,239.37	1/2	885.56	1/2	523.06	1/2	159.44	1/2	1/2	1/2		1/2	1/2
3/4	2,312.79	3/4	1,958.33	3/4	1,595.26	3/4	1,231.80	3/4	878.21	3/4	515.49	3/4	151.86	3/4	3/4	3/4		3/4	3/4
5	2,305.26	5	1,950.85	5	1,587.69	5	1,224.23	5	870.87	5	507.91	5	144.29	5	5	5		5	5
1/4	2,297.73	1/4	1,943.38	1/4	1,580.12	1/4	1,216.65	1/4	863.53	1/4	500.33	1/4	136.71	1/4	1/4	1/4		1/4	1/4
1/2	2,290.20	1/2	1,935.91	1/2	1,572.55	1/2	1,209.08	1/2	856.19	1/2	492.76	1/2	129.13	1/2	1/2	1/2		1/2	1/2
3/4	2,282.68	3/4	1,928.36	3/4	1,564.97	3/4	1,201.67	3/4	848.67	3/4	485.18	3/4	121.56	3/4	3/4	3/4		3/4	3/4
6	2,275.17	6	1,920.82	6	1,557.40	6	1,194.25	6	841.15	6	477.61	6	113.99	6	6	6		6	6
1/4	2,267.66	1/4	1,913.27	1/4	1,549.83	1/4	1,186.84	1/4	833.63	1/4	470.03	1/4	106.41	1/4	1/4	1/4		1/4	1/4
1/2	2,260.14	1/2	1,905.72	1/2	1,542.26	1/2	1,179.42	1/2	826.11	1/2	462.46	1/2	98.84	1/2	1/2	1/2		1/2	1/2
3/4	2,252.63	3/4	1,898.15	3/4	1,534.69	3/4	1,172.06	3/4	818.54	3/4	454.88	3/4	91.28	3/4	3/4	3/4		3/4	3/4
7	2,245.13	7	1,890.58	7	1,527.11	7	1,164.70	7	810.96	7	447.31	7	83.73	7	7	7		7	7
1/4	2,237.62	1/4	1,883.01	1/4	1,519.54	1/4	1,157.34	1/4	803.39	1/4	439.73	1/4	76.17	1/4	1/4	1/4		1/4	1/4
1/2	2,230.11	1/2	1,875.43	1/2	1,511.97	1/2	1,149.97	1/2	795.81	1/2	432.16	1/2	68.61	1/2	1/2	1/2		1/2	1/2
3/4	2,222.60	3/4	1,867.86	3/4	1,504.40	3/4	1,142.62	3/4	788.23	3/4	424.58	3/4	61.75	3/4	3/4	3/4		3/4	3/4
8	2,215.09	8	1,860.29	8	1,496.82	8	1,135.27	8	780.66	8	417.01	8	54.88	8	8	8		8	8
1/4	2,207.59	1/4	1,852.72	1/4	1,489.25	1/4	1,127.91	1/4	773.08	1/4	409.43	1/4	48.02	1/4	1/4	1/4		1/4	1/4
1/2	2,200.08	1/2	1,845.15	1/2	1,481.68	1/2	1,120.56	1/2	765.50	1/2	401.86	1/2	41.15	1/2	1/2	1/2		1/2	1/2
3/4	2,192.57	3/4	1,837.57	3/4	1,474.11	3/4	1,113.21	3/4	757.93	3/4	394.28	3/4	35.93	3/4	3/4	3/4		3/4	3/4
9	2,185.06	9	1,830.00	9	1,466.54	9	1,105.86	9	750.35	9	386.71	9	30.72	9	9	9		9	9
1/4	2,177.56	1/4	1,822.43	1/4	1,458.96	1/4	1,098.51	1/4	742.78	1/4	379.13	1/4	25.50	1/4	1/4	1/4		1/4	1/4
1/2	2,170.05	1/2	1,814.86	1/2	1,451.39	1/2	1,091.16	1/2	735.20	1/2	371.56	1/2	20.28	1/2	1/2	1/2		1/2	1/2
3/4	2,162.54	3/4	1,807.28	3/4	1,443.82	3/4	1,083.82	3/4	727.62	3/4	363.98	3/4		3/4	3/4	3/4		3/4	3/4
10	2,155.03	10	1,799.71	10	1,436.25	10	1,076.47	10	720.05	10	356.41	10		10	10	10		10	10
1/4	2,147.52	1/4	1,792.14	1/4	1,428.67	1/4	1,069.13	1/4	712.47	1/4	348.83	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,140.02	1/2	1,784.57	1/2	1,421.10	1/2	1,061.78	1/2	704.89	1/2	341.26	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,132.51	3/4	1,777.00	3/4	1,413.53	3/4	1,054.44	3/4	697.32	3/4	333.68	3/4		3/4	3/4	3/4		3/4	3/4
11	2,125.00	11	1,769.42	11	1,405.96	11	1,047.10	11	689.74	11	326.11	11		11	11	11		11	11
1/4	2,117.49	1/4	1,761.85	1/4	1,398.39	1/4	1,039.75	1/4	682.17	1/4	318.53	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,109.98	1/2	1,754.28	1/2	1,390.81	1/2	1,032.41	1/2	674.59	1/2	310.96	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,102.48	3/4	1,746.71	3/4	1,383.24	3/4	1,025.07	3/4	667.01	3/4	303.38	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/04/2014 PMA
RECALCULATED: 09/11/2019
NAME CHANGE: 09/11/2019

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 27738"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 335"

GAUGE HEIGHT 16'-09 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0		
							4,356.39		4,181.79		3,995.60		3,800.88		3,567.20		3,203.98		2,840.05		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,352.74	1/4	4,178.02	1/4	3,991.60	1/4	3,796.81	1/4	3,559.64	1/4	3,196.40	1/4	2,832.47		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,349.10	1/2	4,174.26	1/2	3,987.60	1/2	3,792.75	1/2	3,552.08	1/2	3,188.82	1/2	2,824.88		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,345.57	3/4	4,170.48	3/4	3,983.58	3/4	3,788.68	3/4	3,544.52	3/4	3,181.24	3/4	2,817.30		
1	1	1	1	1	1	1	4,342.04	1	4,166.70	1	3,979.56	1	3,784.61	1	3,536.96	1	3,173.66	1	2,809.72		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,338.51	1/4	4,162.92	1/4	3,975.54	1/4	3,780.55	1/4	3,529.41	1/4	3,166.08	1/4	2,802.13		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,334.98	1/2	4,159.14	1/2	3,971.52	1/2	3,776.48	1/2	3,521.85	1/2	3,158.50	1/2	2,794.55		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,331.43	3/4	4,155.34	3/4	3,967.48	3/4	3,772.41	3/4	3,514.29	3/4	3,150.92	3/4	2,786.97		
2	2	2	2	2	2	2	4,327.89	2	4,151.54	2	3,963.44	2	3,768.35	2	3,506.73	2	3,143.34	2	2,779.38		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,324.34	1/4	4,147.75	1/4	3,959.41	1/4	3,764.28	1/4	3,499.17	1/4	3,135.76	1/4	2,771.80		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,320.79	1/2	4,143.95	1/2	3,955.37	1/2	3,760.21	1/2	3,491.61	1/2	3,128.18	1/2	2,764.22		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,317.23	3/4	4,140.13	3/4	3,951.31	3/4	3,756.15	3/4	3,484.05	3/4	3,120.60	3/4	2,756.63		
3	3	3	3	3	3	3	4,313.66	3	4,136.32	3	3,947.26	3	3,752.08	3	3,476.49	3	3,113.01	3	2,749.05		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,310.09	1/4	4,132.50	1/4	3,943.20	1/4	3,748.01	1/4	3,468.93	1/4	3,105.43	1/4	2,741.47		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,306.53	1/2	4,128.68	1/2	3,939.15	1/2	3,743.95	1/2	3,461.37	1/2	3,097.85	1/2	2,733.88		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,302.94	3/4	4,124.85	3/4	3,935.08	3/4	3,739.88	3/4	3,453.81	3/4	3,090.27	3/4	2,726.30		
4	4	4	4	4	4	4	4,299.35	4	4,121.02	4	3,931.01	4	3,735.81	4	3,446.25	4	3,082.69	4	2,718.72		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,295.77	1/4	4,117.18	1/4	3,926.95	1/4	3,731.75	1/4	3,438.69	1/4	3,075.11	1/4	2,711.13		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,292.18	1/2	4,113.35	1/2	3,922.88	1/2	3,727.68	1/2	3,431.13	1/2	3,067.53	1/2	2,703.55		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,288.58	3/4	4,109.50	3/4	3,918.81	3/4	3,723.61	3/4	3,423.57	3/4	3,059.95	3/4	2,695.97		
5	5	5	5	5	5	5	4,284.97	5	4,105.64	5	3,914.75	5	3,719.55	5	3,416.01	5	3,052.37	5	2,688.38		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,281.37	1/4	4,101.79	1/4	3,910.68	1/4	3,715.48	1/4	3,408.45	1/4	3,044.79	1/4	2,680.80		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,277.76	1/2	4,097.94	1/2	3,906.61	1/2	3,711.41	1/2	3,400.89	1/2	3,037.21	1/2	2,673.22		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,274.14	3/4	4,094.07	3/4	3,902.55	3/4	3,707.35	3/4	3,393.33	3/4	3,029.63	3/4	2,665.63		
6	6	6	6	6	6	6	4,270.52	6	4,090.19	6	3,898.48	6	3,703.28	6	3,385.77	6	3,022.04	6	2,658.04		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,266.90	1/4	4,086.32	1/4	3,894.41	1/4	3,699.21	1/4	3,378.21	1/4	3,014.46	1/4	2,650.46		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,438.92	1/2	4,263.28	1/2	4,082.45	1/2	3,890.35	1/2	3,695.15	1/2	3,370.65	1/2	3,006.88	1/2	2,642.87
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,436.03	3/4	4,259.63	3/4	4,078.54	3/4	3,886.28	3/4	3,691.08	3/4	3,363.09	3/4	2,999.30	3/4	2,635.28
7	7	7	7	7	7	7	4,433.14	7	4,255.99	7	4,074.64	7	3,882.21	7	3,687.01	7	3,355.53	7	2,991.71	7	2,627.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,430.25	1/4	4,252.35	1/4	4,070.74	1/4	3,878.15	1/4	3,682.95	1/4	3,347.97	1/4	2,984.13	1/4	2,620.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,427.37	1/2	4,248.71	1/2	4,066.83	1/2	3,874.08	1/2	3,678.88	1/2	3,340.41	1/2	2,976.55	1/2	2,612.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,423.53	3/4	4,245.04	3/4	4,062.91	3/4	3,870.01	3/4	3,674.81	3/4	3,332.83	3/4	2,968.96	3/4	2,604.92
8	8	8	8	8	8	8	4,419.69	8	4,241.36	8	4,058.98	8	3,865.95	8	3,670.75	8	3,325.26	8	2,961.38	8	2,597.32
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,415.85	1/4	4,237.68	1/4	4,055.06	1/4	3,861.88	1/4	3,666.68	1/4	3,317.68	1/4	2,953.80	1/4	2,589.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,412.01	1/2	4,234.00	1/2	4,051.13	1/2	3,857.81	1/2	3,662.61	1/2	3,310.11	1/2	2,946.21	1/2	2,582.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,407.98	3/4	4,230.30	3/4	4,047.19	3/4	3,853.75	3/4	3,657.23	3/4	3,302.53	3/4	2,938.63	3/4	2,574.55
9	9	9	9	9	9	9	4,403.95	9	4,226.59	9	4,043.25	9	3,849.68	9	3,651.84	9	3,294.95	9	2,931.05	9	2,566.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,399.93	1/4	4,222.89	1/4	4,039.30	1/4	3,845.61	1/4	3,646.45	1/4	3,287.37	1/4	2,923.46	1/4	2,559.37
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,395.90	1/2	4,219.19	1/2	4,035.36	1/2	3,841.55	1/2	3,641.07	1/2	3,279.79	1/2	2,915.88	1/2	2,551.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,391.87	3/4	4,215.46	3/4	4,031.40	3/4	3,837.48	3/4	3,633.94	3/4	3,272.21	3/4	2,908.30	3/4	2,544.19
10	10	10	10	10	10	10	4,387.84	10	4,211.74	10	4,027.44	10	3,833.41	10	3,626.82	10	2,900.71	10	2,536.60		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,383.82	1/4	4,208.01	1/4	4,023.48	1/4	3,829.35	1/4	3,619.69	1/4	3,257.04	1/4	2,893.13	1/4	2,529.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,379.79	1/2	4,204.29	1/2	4,019.52	1/2	3,825.28	1/2	3,612.56	1/2	3,249.46	1/2	2,885.55	1/2	2,521.42
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,375.76	3/4	4,200.54	3/4	4,015.54	3/4	3,821.21	3/4	3,605.00	3/4	3,241.88	3/4	2,877.96	3/4	2,513.83
11	11	11	11	11	11	11	4,371.73	11	4,196.80	11	4,011.56	11	3,817.15	11	3,597.44	11	3,234.30	11	2,870.38	11	2,506.24
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,367.70	1/4	4,193.05	1/4	4,007.58	1/4	3,813.08	1/4	3,589.88	1/4	3,226.72	1/4	2,862.80	1/4	2,498.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,363.68	1/2	4,189.31	1/2	4,003.60	1/2	3,809.01	1/2	3,582.32	1/2	3,219.14	1/2	2,855.22	1/2	2,491.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,360.03	3/4	4,185.55	3/4	3,999.60	3/4	3,804.95	3/4	3,574.76	3/4	3,211.56	3/4	2,847.63	3/4	2,483.47

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-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 27738"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 335"

GAUGE HEIGHT 16'-09 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,475.88	0	2,111.53	0	1,753.31	0	1,388.90	0	1,024.69	0	660.64	0	296.23	0		0		0	
1/4	2,468.29	1/4	2,103.94	1/4	1,745.72	1/4	1,381.31	1/4	1,017.11	1/4	653.04	1/4	288.64	1/4	1/4	1/4		1/4	1/4
1/2	2,460.70	1/2	2,096.35	1/2	1,738.13	1/2	1,373.71	1/2	1,009.53	1/2	645.45	1/2	281.05	1/2	1/2	1/2		1/2	1/2
3/4	2,453.11	3/4	2,089.30	3/4	1,730.53	3/4	1,366.12	3/4	1,001.96	3/4	637.86	3/4	273.46	3/4	3/4	3/4		3/4	3/4
1	2,445.51	1	2,082.25	1	1,722.94	1	1,358.53	1	994.38	1	630.27	1	265.87	1	1	1		1	1
1/4	2,437.92	1/4	2,075.20	1/4	1,715.35	1/4	1,350.94	1/4	986.81	1/4	622.68	1/4	258.28	1/4	1/4	1/4		1/4	1/4
1/2	2,430.33	1/2	2,068.14	1/2	1,707.76	1/2	1,343.35	1/2	979.23	1/2	615.09	1/2	250.68	1/2	1/2	1/2		1/2	1/2
3/4	2,422.74	3/4	2,061.27	3/4	1,700.17	3/4	1,335.76	3/4	971.65	3/4	607.49	3/4	243.09	3/4	3/4	3/4		3/4	3/4
2	2,415.15	2	2,054.40	2	1,692.57	2	1,328.16	2	964.08	2	599.90	2	235.50	2	2	2		2	2
1/4	2,407.56	1/4	2,047.53	1/4	1,684.98	1/4	1,320.57	1/4	956.50	1/4	592.31	1/4	227.91	1/4	1/4	1/4		1/4	1/4
1/2	2,399.97	1/2	2,040.66	1/2	1,677.39	1/2	1,312.98	1/2	948.92	1/2	584.72	1/2	220.32	1/2	1/2	1/2		1/2	1/2
3/4	2,392.38	3/4	2,033.27	3/4	1,669.80	3/4	1,305.39	3/4	941.35	3/4	577.13	3/4	212.73	3/4	3/4	3/4		3/4	3/4
3	2,384.79	3	2,025.89	3	1,662.21	3	1,297.80	3	933.77	3	569.54	3	205.13	3	3	3		3	3
1/4	2,377.20	1/4	2,018.50	1/4	1,654.62	1/4	1,290.20	1/4	926.19	1/4	561.94	1/4	197.54	1/4	1/4	1/4		1/4	1/4
1/2	2,369.61	1/2	2,011.11	1/2	1,647.02	1/2	1,282.61	1/2	918.62	1/2	554.35	1/2	189.95	1/2	1/2	1/2		1/2	1/2
3/4	2,362.02	3/4	2,003.56	3/4	1,639.43	3/4	1,275.02	3/4	911.04	3/4	546.76	3/4	182.36	3/4	3/4	3/4		3/4	3/4
4	2,354.43	4	1,996.00	4	1,631.84	4	1,267.43	4	903.46	4	539.17	4	174.77	4	4	4		4	4
1/4	2,346.84	1/4	1,988.45	1/4	1,624.25	1/4	1,259.84	1/4	895.89	1/4	531.58	1/4	167.17	1/4	1/4	1/4		1/4	1/4
1/2	2,339.25	1/2	1,980.89	1/2	1,616.66	1/2	1,252.24	1/2	888.31	1/2	523.98	1/2	159.58	1/2	1/2	1/2		1/2	1/2
3/4	2,331.66	3/4	1,973.33	3/4	1,609.06	3/4	1,244.65	3/4	880.73	3/4	516.39	3/4	151.99	3/4	3/4	3/4		3/4	3/4
5	2,324.07	5	1,965.78	5	1,601.47	5	1,237.06	5	873.16	5	508.80	5	144.40	5	5	5		5	5
1/4	2,316.48	1/4	1,958.22	1/4	1,593.88	1/4	1,229.47	1/4	865.58	1/4	501.21	1/4	136.81	1/4	1/4	1/4		1/4	1/4
1/2	2,308.89	1/2	1,950.66	1/2	1,586.29	1/2	1,221.88	1/2	858.00	1/2	493.62	1/2	129.22	1/2	1/2	1/2		1/2	1/2
3/4	2,301.30	3/4	1,943.08	3/4	1,578.70	3/4	1,214.28	3/4	850.42	3/4	486.03	3/4	121.64	3/4	3/4	3/4		3/4	3/4
6	2,293.70	6	1,935.50	6	1,571.10	6	1,206.69	6	842.83	6	478.43	6	114.05	6	6	6		6	6
1/4	2,286.11	1/4	1,927.91	1/4	1,563.51	1/4	1,199.10	1/4	835.24	1/4	470.84	1/4	106.47	1/4	1/4	1/4		1/4	1/4
1/2	2,278.52	1/2	1,920.33	1/2	1,555.92	1/2	1,191.51	1/2	827.65	1/2	463.25	1/2	98.89	1/2	1/2	1/2		1/2	1/2
3/4	2,270.93	3/4	1,912.74	3/4	1,548.33	3/4	1,183.92	3/4	820.06	3/4	455.66	3/4	91.33	3/4	3/4	3/4		3/4	3/4
7	2,263.34	7	1,905.15	7	1,540.74	7	1,176.33	7	812.47	7	448.07	7	83.77	7	7	7		7	7
1/4	2,255.75	1/4	1,897.56	1/4	1,533.14	1/4	1,168.73	1/4	804.88	1/4	440.48	1/4	76.20	1/4	1/4	1/4		1/4	1/4
1/2	2,248.16	1/2	1,889.96	1/2	1,525.55	1/2	1,161.14	1/2	797.29	1/2	432.88	1/2	68.64	1/2	1/2	1/2		1/2	1/2
3/4	2,240.57	3/4	1,882.37	3/4	1,517.96	3/4	1,153.56	3/4	789.69	3/4	425.29	3/4	61.77	3/4	3/4	3/4		3/4	3/4
8	2,232.98	8	1,874.78	8	1,510.37	8	1,145.97	8	782.10	8	417.70	8	54.90	8	8	8		8	8
1/4	2,225.39	1/4	1,867.19	1/4	1,502.78	1/4	1,138.38	1/4	774.51	1/4	410.11	1/4	48.03	1/4	1/4	1/4		1/4	1/4
1/2	2,217.80	1/2	1,859.60	1/2	1,495.19	1/2	1,130.80	1/2	766.92	1/2	402.52	1/2	41.16	1/2	1/2	1/2		1/2	1/2
3/4	2,210.21	3/4	1,852.00	3/4	1,487.59	3/4	1,123.21	3/4	759.33	3/4	394.93	3/4	35.95	3/4	3/4	3/4		3/4	3/4
9	2,202.62	9	1,844.41	9	1,480.00	9	1,115.63	9	751.74	9	387.33	9	30.73	9	9	9		9	9
1/4	2,195.03	1/4	1,836.82	1/4	1,472.41	1/4	1,108.05	1/4	744.14	1/4	379.74	1/4	25.51	1/4	1/4	1/4		1/4	1/4
1/2	2,187.44	1/2	1,829.23	1/2	1,464.82	1/2	1,100.46	1/2	736.55	1/2	372.15	1/2	20.29	1/2	1/2	1/2		1/2	1/2
3/4	2,179.85	3/4	1,821.64	3/4	1,457.23	3/4	1,092.88	3/4	728.96	3/4	364.56	3/4		3/4	3/4	3/4		3/4	3/4
10	2,172.26	10	1,814.05	10	1,449.63	10	1,085.30	10	721.37	10	356.97	10		10	10	10		10	10
1/4	2,164.67	1/4	1,806.45	1/4	1,442.04	1/4	1,077.73	1/4	713.78	1/4	349.38	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,157.08	1/2	1,798.86	1/2	1,434.45	1/2	1,070.15	1/2	706.19	1/2	341.78	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,149.49	3/4	1,791.27	3/4	1,426.86	3/4	1,062.57	3/4	698.59	3/4	334.19	3/4		3/4	3/4	3/4		3/4	3/4
11	2,141.89	11	1,783.68	11	1,419.27	11	1,054.99	11	691.00	11	326.60	11		11	11	11		11	11
1/4	2,134.30	1/4	1,776.09	1/4	1,411.67	1/4	1,047.42	1/4	683.41	1/4	319.01	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,126.71	1/2	1,768.49	1/2	1,404.08	1/2	1,039.84	1/2	675.82	1/2	311.42	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,119.12	3/4	1,760.90	3/4	1,396.49	3/4	1,032.26	3/4	668.23	3/4	303.83	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/04/2014 PMA
RECALCULATED: 09/11/2019
NAME CHANGE: 09/11/2019

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2019

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



BARGE "KIRBY 27738"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

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	1,625	0	3,250	0	4,875	0	6,501	0	8,126	0	9,751	0		0		0	
1/4	34	1/4	1,659	1/4	3,284	1/4	4,909	1/4	6,534	1/4	8,160	1/4	9,785	1/4		1/4		1/4	
1/2	68	1/2	1,693	1/2	3,318	1/2	4,943	1/2	6,568	1/2	8,193	1/2	9,819	1/2		1/2		1/2	
3/4	102	3/4	1,727	3/4	3,352	3/4	4,977	3/4	6,602	3/4	8,227	3/4	9,852	3/4		3/4		3/4	
1	135	1	1,761	1	3,386	1	5,011	1	6,636	1	8,261	1	9,886	1		1		1	
1/4	169	1/4	1,794	1/4	3,420	1/4	5,045	1/4	6,670	1/4	8,295	1/4	9,920	1/4		1/4		1/4	
1/2	203	1/2	1,828	1/2	3,453	1/2	5,079	1/2	6,704	1/2	8,329	1/2	9,954	1/2		1/2		1/2	
3/4	237	3/4	1,862	3/4	3,487	3/4	5,112	3/4	6,738	3/4	8,363	3/4	9,988	3/4		3/4		3/4	
2	271	2	1,896	2	3,521	2	5,146	2	6,771	2	8,397	2	10,022	2		2		2	
1/4	305	1/4	1,930	1/4	3,555	1/4	5,180	1/4	6,805	1/4	8,430	1/4	10,056	1/4		1/4		1/4	
1/2	339	1/2	1,964	1/2	3,589	1/2	5,214	1/2	6,839	1/2	8,464	1/2	10,089	1/2		1/2		1/2	
3/4	372	3/4	1,998	3/4	3,623	3/4	5,248	3/4	6,873	3/4	8,498	3/4		3/4		3/4		3/4	
3	406	3	2,031	3	3,657	3	5,282	3	6,907	3	8,532	3		3		3		3	
1/4	440	1/4	2,065	1/4	3,690	1/4	5,316	1/4	6,941	1/4	8,566	1/4		1/4		1/4		1/4	
1/2	474	1/2	2,099	1/2	3,724	1/2	5,349	1/2	6,975	1/2	8,600	1/2		1/2		1/2		1/2	
3/4	508	3/4	2,133	3/4	3,758	3/4	5,383	3/4	7,008	3/4	8,634	3/4		3/4		3/4		3/4	
4	542	4	2,167	4	3,792	4	5,417	4	7,042	4	8,667	4		4		4		4	
1/4	576	1/4	2,201	1/4	3,826	1/4	5,451	1/4	7,076	1/4	8,701	1/4		1/4		1/4		1/4	
1/2	609	1/2	2,235	1/2	3,860	1/2	5,485	1/2	7,110	1/2	8,735	1/2		1/2		1/2		1/2	
3/4	643	3/4	2,268	3/4	3,894	3/4	5,519	3/4	7,144	3/4	8,769	3/4		3/4		3/4		3/4	
5	677	5	2,302	5	3,927	5	5,553	5	7,178	5	8,803	5		5		5		5	
1/4	711	1/4	2,336	1/4	3,961	1/4	5,586	1/4	7,212	1/4	8,837	1/4		1/4		1/4		1/4	
1/2	745	1/2	2,370	1/2	3,995	1/2	5,620	1/2	7,245	1/2	8,871	1/2		1/2		1/2		1/2	
3/4	779	3/4	2,404	3/4	4,029	3/4	5,654	3/4	7,279	3/4	8,904	3/4		3/4		3/4		3/4	
6	813	6	2,438	6	4,063	6	5,688	6	7,313	6	8,938	6		6		6		6	
1/4	846	1/4	2,472	1/4	4,097	1/4	5,722	1/4	7,347	1/4	8,972	1/4		1/4		1/4		1/4	
1/2	880	1/2	2,505	1/2	4,131	1/2	5,756	1/2	7,381	1/2	9,006	1/2		1/2		1/2		1/2	
3/4	914	3/4	2,539	3/4	4,164	3/4	5,790	3/4	7,415	3/4	9,040	3/4		3/4		3/4		3/4	
7	948	7	2,573	7	4,198	7	5,823	7	7,449	7	9,074	7		7		7		7	
1/4	982	1/4	2,607	1/4	4,232	1/4	5,857	1/4	7,482	1/4	9,108	1/4		1/4		1/4		1/4	
1/2	1,016	1/2	2,641	1/2	4,266	1/2	5,891	1/2	7,516	1/2	9,141	1/2		1/2		1/2		1/2	
3/4	1,050	3/4	2,675	3/4	4,300	3/4	5,925	3/4	7,550	3/4	9,175	3/4		3/4		3/4		3/4	
8	1,083	8	2,709	8	4,334	8	5,959	8	7,584	8	9,209	8		8		8		8	
1/4	1,117	1/4	2,742	1/4	4,368	1/4	5,993	1/4	7,618	1/4	9,243	1/4		1/4		1/4		1/4	
1/2	1,151	1/2	2,776	1/2	4,401	1/2	6,027	1/2	7,652	1/2	9,277	1/2		1/2		1/2		1/2	
3/4	1,185	3/4	2,810	3/4	4,435	3/4	6,060	3/4	7,686	3/4	9,311	3/4		3/4		3/4		3/4	
9	1,219	9	2,844	9	4,469	9	6,094	9	7,719	9	9,345	9		9		9		9	
1/4	1,253	1/4	2,878	1/4	4,503	1/4	6,128	1/4	7,753	1/4	9,378	1/4		1/4		1/4		1/4	
1/2	1,287	1/2	2,912	1/2	4,537	1/2	6,162	1/2	7,787	1/2	9,412	1/2		1/2		1/2		1/2	
3/4	1,320	3/4	2,946	3/4	4,571	3/4	6,196	3/4	7,821	3/4	9,446	3/4		3/4		3/4		3/4	
10	1,354	10	2,979	10	4,605	10	6,230	10	7,855	10	9,480	10		10		10		10	
1/4	1,388	1/4	3,013	1/4	4,638	1/4	6,264	1/4	7,889	1/4	9,514	1/4		1/4		1/4		1/4	
1/2	1,422	1/2	3,047	1/2	4,672	1/2	6,297	1/2	7,923	1/2	9,548	1/2		1/2		1/2		1/2	
3/4	1,456	3/4	3,081	3/4	4,706	3/4	6,331	3/4	7,956	3/4	9,582	3/4		3/4		3/4		3/4	
11	1,490	11	3,115	11	4,740	11	6,365	11	7,990	11	9,615	11		11		11		11	
1/4	1,524	1/4	3,149	1/4	4,774	1/4	6,399	1/4	8,024	1/4	9,649	1/4		1/4		1/4		1/4	
1/2	1,557	1/2	3,183	1/2	4,808	1/2	6,433	1/2	8,058	1/2	9,683	1/2		1/2		1/2		1/2	
3/4	1,591	3/4	3,216	3/4	4,842	3/4	6,467	3/4	8,092	3/4	9,717	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.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER PIPE.

STRAPPED: 08/28/14 CL
CALCULATED: 09/11/2019
NAME CHANGE: 09/11/2019

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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