



BARGE "KIRBY 27737"

ULLAGE TRIM TABLE
FORMERLY "CTCO 334"

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

November 6, 2019

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 27737"

1 PORT

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 334"

GAUGE HEIGHT 16'-09 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	4,941.07	0	4,612.92	0	4,263.75	0	3,898.43	0	3,532.06	0	3,165.14	0	2,798.13		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,934.21	1/4	4,605.85	1/4	4,256.25	1/4	3,890.80	1/4	3,524.42	1/4	3,157.50	1/4	2,790.48		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,927.36	1/2	4,598.79	1/2	4,248.74	1/2	3,883.17	1/2	3,516.78	1/2	3,149.86	1/2	2,782.83		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,920.50	3/4	4,591.72	3/4	4,241.23	3/4	3,875.54	3/4	3,509.13	3/4	3,142.21	3/4	2,775.18		
1	1	1	1	1	1	1	4,913.86	1	4,584.62	1	4,233.69	1	3,867.90	1	3,501.49	1	3,134.57	1	2,767.54		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,907.21	1/4	4,577.52	1/4	4,226.14	1/4	3,860.27	1/4	3,493.85	1/4	3,126.92	1/4	2,759.89		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,900.57	1/2	4,570.42	1/2	4,218.60	1/2	3,852.64	1/2	3,486.20	1/2	3,119.28	1/2	2,752.24		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,893.93	3/4	4,563.32	3/4	4,211.05	3/4	3,845.01	3/4	3,478.56	3/4	3,111.64	3/4	2,744.59		
2	2	2	2	2	2	2	4,887.25	2	4,556.18	2	4,203.47	2	3,837.37	2	3,470.91	2	3,103.99	2	2,736.94		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,880.58	1/4	4,549.05	1/4	4,195.90	1/4	3,829.74	1/4	3,463.27	1/4	3,096.35	1/4	2,729.29		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,873.91	1/2	4,541.91	1/2	4,188.32	1/2	3,822.11	1/2	3,455.62	1/2	3,088.70	1/2	2,721.65		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,867.23	3/4	4,534.78	3/4	4,180.74	3/4	3,814.48	3/4	3,447.98	3/4	3,081.06	3/4	2,714.00		
3	3	3	3	3	3	3	4,860.52	3	4,527.61	3	4,173.13	3	3,806.84	3	3,440.34	3	3,073.41	3	2,706.35		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,853.81	1/4	4,520.44	1/4	4,165.52	1/4	3,799.21	1/4	3,432.69	1/4	3,065.77	1/4	2,698.70		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,847.09	1/2	4,513.28	1/2	4,157.91	1/2	3,791.58	1/2	3,425.05	1/2	3,058.13	1/2	2,691.05		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,840.38	3/4	4,506.11	3/4	4,150.29	3/4	3,783.94	3/4	3,417.40	3/4	3,050.48	3/4	2,683.40		
4	4	4	4	4	4	4	4,833.63	4	4,498.91	4	4,142.67	4	3,776.31	4	3,409.76	4	3,042.84	4	2,675.76		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,826.88	1/4	4,491.71	1/4	4,135.04	1/4	3,768.68	1/4	3,402.12	1/4	3,035.19	1/4	2,668.11		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,820.13	1/2	4,484.50	1/2	4,127.41	1/2	3,761.05	1/2	3,394.47	1/2	3,027.55	1/2	2,660.46		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,813.39	3/4	4,477.30	3/4	4,119.78	3/4	3,753.41	3/4	3,386.83	3/4	3,019.91	3/4	2,652.81		
5	5	5	5	5	5	5	4,806.60	5	4,470.07	5	4,112.15	5	3,745.78	5	3,379.18	5	3,012.26	5	2,645.16		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,799.82	1/4	4,462.83	1/4	4,104.51	1/4	3,738.15	1/4	3,371.54	1/4	3,004.62	1/4	2,637.51		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,793.04	1/2	4,455.59	1/2	4,096.88	1/2	3,730.52	1/2	3,363.89	1/2	2,996.97	1/2	2,629.87		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,786.26	3/4	4,448.36	3/4	4,089.25	3/4	3,722.88	3/4	3,356.25	3/4	2,989.33	3/4	2,622.22		
6	6	6	6	6	6	6	4,779.44	6	4,441.08	6	4,081.62	6	3,715.25	6	3,348.61	6	2,981.68	6	2,614.57		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,772.62	1/4	4,433.81	1/4	4,073.98	1/4	3,707.62	1/4	3,340.96	1/4	2,974.04	1/4	2,606.92		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,765.81	1/2	4,426.53	1/2	4,066.35	1/2	3,699.99	1/2	3,333.32	1/2	2,966.39	1/2	2,599.27		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,094.10	3/4	4,758.99	3/4	4,419.26	3/4	4,058.72	3/4	3,692.35	3/4	3,325.67	3/4	2,958.74	3/4	2,591.62
7	7	7	7	7	7	7	5,087.67	7	4,752.14	7	4,411.93	7	4,051.09	7	3,684.72	7	3,318.03	7	2,951.09	7	2,583.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,081.24	1/4	4,745.29	1/4	4,404.60	1/4	4,043.45	1/4	3,677.09	1/4	3,310.38	1/4	2,943.45	1/4	2,576.33
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,074.80	1/2	4,738.44	1/2	4,397.27	1/2	4,035.82	1/2	3,669.46	1/2	3,302.74	1/2	2,935.80	1/2	2,568.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,068.37	3/4	4,731.59	3/4	4,389.94	3/4	4,028.19	3/4	3,661.82	3/4	3,295.10	3/4	2,928.15	3/4	2,561.03
8	8	8	8	8	8	8	5,060.99	8	4,724.68	8	4,382.58	8	4,020.56	8	3,654.19	8	3,287.45	8	2,920.50	8	2,553.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,053.60	1/4	4,717.77	1/4	4,375.21	1/4	4,012.92	1/4	3,646.56	1/4	3,279.81	1/4	2,912.85	1/4	2,545.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,046.21	1/2	4,710.85	1/2	4,367.84	1/2	4,005.29	1/2	3,638.93	1/2	3,272.16	1/2	2,905.20	1/2	2,538.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,038.83	3/4	4,703.94	3/4	4,360.48	3/4	3,997.66	3/4	3,631.29	3/4	3,264.52	3/4	2,897.56	3/4	2,530.44
9	9	9	9	9	9	9	5,031.25	9	4,696.98	9	4,353.08	9	3,990.02	9	3,623.66	9	3,256.88	9	2,889.91	9	2,522.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,023.68	1/4	4,690.02	1/4	4,345.67	1/4	3,982.39	1/4	3,616.03	1/4	3,249.23	1/4	2,882.26	1/4	2,515.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,016.10	1/2	4,683.07	1/2	4,338.27	1/2	3,974.76	1/2	3,608.40	1/2	3,241.59	1/2	2,874.61	1/2	2,507.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,008.53	3/4	4,676.11	3/4	4,330.87	3/4	3,967.13	3/4	3,600.76	3/4	3,233.94	3/4	2,866.96	3/4	2,499.84
10	10	10	10	10	10	10	5,000.95	10	4,669.11	10	4,323.44	10	3,959.49	10	3,593.13	10	3,226.30	10	2,859.31	10	2,492.20
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,993.38	1/4	4,662.12	1/4	4,316.00	1/4	3,951.86	1/4	3,585.50	1/4	3,218.65	1/4	2,851.67	1/4	2,484.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,985.80	1/2	4,655.12	1/2	4,308.57	1/2	3,944.23	1/2	3,577.86	1/2	3,211.01	1/2	2,844.02	1/2	2,476.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,978.23	3/4	4,648.12	3/4	4,301.14	3/4	3,936.60	3/4	3,570.23	3/4	3,203.37	3/4	2,836.37	3/4	2,469.25
11	11	11	11	11	11	11	4,970.65	11	4,641.09	11	4,293.67	11	3,928.96	11	3,562.60	11	3,195.72	11	2,828.72	11	2,461.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,963.08	1/4	4,634.05	1/4	4,286.20	1/4	3,921.33	1/4	3,554.97	1/4	3,188.08	1/4	2,821.07	1/4	2,453.96
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,955.50	1/2	4,627.02	1/2	4,278.73	1/2	3,913.70	1/2	3,547.33	1/2	3,180.43	1/2	2,813.43	1/2	2,446.31
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,947.93	3/4	4,619.99	3/4	4,271.26	3/4	3,906.07	3/4	3,539.70	3/4	3,172.79	3/4	2,805.78	3/4	2,438.66

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.

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BARGE "KIRBY 27737"

1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 334"

GAUGE HEIGHT 16'-09 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	2,431.01	0	2,063.89	0	1,702.93	0	1,335.74	0	969.55	0	603.60	0	254.76	0		0		0	
1/4	2,423.36	1/4	2,056.24	1/4	1,695.28	1/4	1,328.09	1/4	961.95	1/4	595.95	1/4	248.03	1/4	1/4		1/4		1/4
1/2	2,415.71	1/2	2,048.60	1/2	1,687.63	1/2	1,320.44	1/2	954.35	1/2	588.30	1/2	241.29	1/2	1/2		1/2		1/2
3/4	2,408.07	3/4	2,040.95	3/4	1,679.98	3/4	1,312.79	3/4	946.76	3/4	580.65	3/4	234.55	3/4	3/4		3/4		3/4
1	2,400.42	1	2,033.84	1	1,672.33	1	1,305.14	1	939.16	1	573.01	1	227.90	1	1		1		1
1/4	2,392.77	1/4	2,026.73	1/4	1,664.68	1/4	1,297.49	1/4	931.56	1/4	565.36	1/4	221.25	1/4	1/4		1/4		1/4
1/2	2,385.12	1/2	2,019.63	1/2	1,657.03	1/2	1,289.84	1/2	923.96	1/2	557.72	1/2	214.60	1/2	1/2		1/2		1/2
3/4	2,377.47	3/4	2,012.52	3/4	1,649.38	3/4	1,282.19	3/4	916.36	3/4	550.08	3/4	207.95	3/4	3/4		3/4		3/4
2	2,369.82	2	2,005.60	2	1,641.73	2	1,274.55	2	908.76	2	542.48	2	201.38	2	2		2		2
1/4	2,362.18	1/4	1,998.67	1/4	1,634.08	1/4	1,266.90	1/4	901.16	1/4	534.89	1/4	194.82	1/4	1/4		1/4		1/4
1/2	2,354.53	1/2	1,991.74	1/2	1,626.43	1/2	1,259.25	1/2	893.57	1/2	527.29	1/2	188.25	1/2	1/2		1/2		1/2
3/4	2,346.88	3/4	1,984.82	3/4	1,618.78	3/4	1,251.60	3/4	885.97	3/4	519.69	3/4	181.69	3/4	3/4		3/4		3/4
3	2,339.23	3	1,977.38	3	1,611.13	3	1,243.95	3	878.37	3	512.17	3	175.21	3	3		3		3
1/4	2,331.58	1/4	1,969.93	1/4	1,603.48	1/4	1,236.30	1/4	870.77	1/4	504.65	1/4	168.74	1/4	1/4		1/4		1/4
1/2	2,323.93	1/2	1,962.49	1/2	1,595.83	1/2	1,228.65	1/2	863.17	1/2	497.13	1/2	162.26	1/2	1/2		1/2		1/2
3/4	2,316.29	3/4	1,955.05	3/4	1,588.18	3/4	1,221.00	3/4	855.57	3/4	489.61	3/4	155.78	3/4	3/4		3/4		3/4
4	2,308.64	4	1,947.44	4	1,580.53	4	1,213.35	4	847.97	4	482.18	4	149.40	4	4		4		4
1/4	2,300.99	1/4	1,939.82	1/4	1,572.88	1/4	1,205.70	1/4	840.37	1/4	474.75	1/4	143.01	1/4	1/4		1/4		1/4
1/2	2,293.34	1/2	1,932.21	1/2	1,565.23	1/2	1,198.05	1/2	832.78	1/2	467.32	1/2	136.62	1/2	1/2		1/2		1/2
3/4	2,285.69	3/4	1,924.59	3/4	1,557.58	3/4	1,190.40	3/4	825.18	3/4	459.88	3/4	130.24	3/4	3/4		3/4		3/4
5	2,278.04	5	1,916.98	5	1,549.93	5	1,182.75	5	817.58	5	452.54	5	123.95	5	5		5		5
1/4	2,270.40	1/4	1,909.37	1/4	1,542.28	1/4	1,175.10	1/4	809.98	1/4	445.19	1/4	117.65	1/4	1/4		1/4		1/4
1/2	2,262.75	1/2	1,901.75	1/2	1,534.63	1/2	1,167.45	1/2	802.38	1/2	437.85	1/2	111.36	1/2	1/2		1/2		1/2
3/4	2,255.10	3/4	1,894.14	3/4	1,526.99	3/4	1,159.80	3/4	794.78	3/4	430.50	3/4	105.07	3/4	3/4		3/4		3/4
6	2,247.45	6	1,886.50	6	1,519.34	6	1,152.17	6	787.15	6	423.24	6	98.87	6	6		6		6
1/4	2,239.80	1/4	1,878.85	1/4	1,511.69	1/4	1,144.54	1/4	779.51	1/4	415.98	1/4	92.68	1/4	1/4		1/4		1/4
1/2	2,232.15	1/2	1,871.21	1/2	1,504.04	1/2	1,136.92	1/2	771.87	1/2	408.72	1/2	86.48	1/2	1/2		1/2		1/2
3/4	2,224.51	3/4	1,863.57	3/4	1,496.39	3/4	1,129.29	3/4	764.23	3/4	401.47	3/4	80.28	3/4	3/4		3/4		3/4
7	2,216.86	7	1,855.92	7	1,488.74	7	1,121.67	7	756.59	7	394.29	7	74.19	7	7		7		7
1/4	2,209.21	1/4	1,848.27	1/4	1,481.09	1/4	1,114.05	1/4	748.94	1/4	387.12	1/4	68.11	1/4	1/4		1/4		1/4
1/2	2,201.56	1/2	1,840.62	1/2	1,473.44	1/2	1,106.43	1/2	741.29	1/2	379.95	1/2	62.02	1/2	1/2		1/2		1/2
3/4	2,193.91	3/4	1,832.97	3/4	1,465.79	3/4	1,098.81	3/4	733.64	3/4	372.78	3/4	55.93	3/4	3/4		3/4		3/4
8	2,186.26	8	1,825.32	8	1,458.14	8	1,091.20	8	725.99	8	365.69	8	50.63	8	8		8		8
1/4	2,178.62	1/4	1,817.67	1/4	1,450.49	1/4	1,083.59	1/4	718.34	1/4	358.61	1/4	45.32	1/4	1/4		1/4		1/4
1/2	2,170.97	1/2	1,810.02	1/2	1,442.84	1/2	1,075.98	1/2	710.69	1/2	351.52	1/2	40.02	1/2	1/2		1/2		1/2
3/4	2,163.32	3/4	1,802.37	3/4	1,435.19	3/4	1,068.37	3/4	703.04	3/4	344.44	3/4	34.71	3/4	3/4		3/4		3/4
9	2,155.67	9	1,794.72	9	1,427.54	9	1,060.77	9	695.39	9	337.44	9	30.82	9	9		9		9
1/4	2,148.02	1/4	1,787.08	1/4	1,419.89	1/4	1,053.16	1/4	687.74	1/4	330.44	1/4	26.93	1/4	1/4		1/4		1/4
1/2	2,140.37	1/2	1,779.43	1/2	1,412.24	1/2	1,045.55	1/2	680.09	1/2	323.44	1/2	23.04	1/2	1/2		1/2		1/2
3/4	2,132.73	3/4	1,771.78	3/4	1,404.59	3/4	1,037.95	3/4	672.44	3/4	316.45	3/4	19.15	3/4	3/4		3/4		3/4
10	2,125.08	10	1,764.13	10	1,396.94	10	1,030.35	10	664.79	10	309.53	10		10	10		10		10
1/4	2,117.43	1/4	1,756.48	1/4	1,389.29	1/4	1,022.75	1/4	657.14	1/4	302.62	1/4		1/4	1/4		1/4		1/4
1/2	2,109.78	1/2	1,748.83	1/2	1,381.64	1/2	1,015.15	1/2	649.49	1/2	295.71	1/2		1/2	1/2		1/2		1/2
3/4	2,102.13	3/4	1,741.18	3/4	1,373.99	3/4	1,007.55	3/4	641.84	3/4	288.80	3/4		3/4	3/4		3/4		3/4
11	2,094.48	11	1,733.53	11	1,366.34	11	999.95	11	634.19	11	281.98	11		11	11		11		11
1/4	2,086.84	1/4	1,725.88	1/4	1,358.69	1/4	992.35	1/4	626.54	1/4	275.15	1/4		1/4	1/4		1/4		1/4
1/2	2,079.19	1/2	1,718.23	1/2	1,351.04	1/2	984.75	1/2	618.89	1/2	268.33	1/2		1/2	1/2		1/2		1/2
3/4	2,071.54	3/4	1,710.58	3/4	1,343.39	3/4	977.15	3/4	611.24	3/4	261.50	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2014 PMA
RECALCULATED: 11/06/2019 PMA
NAME CHANGE: 11/06/2019

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2019

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



BARGE "KIRBY 27737"

1 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 334"

GAUGE HEIGHT 16'-09"

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	4,916.85	0	4,588.08	0	4,237.59	0	3,871.90	0	3,505.54	0	3,139.19	0	2,772.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,910.21	1/4	4,580.98	1/4	4,230.05	1/4	3,864.26	1/4	3,497.91	1/4	3,131.55	1/4	2,765.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,903.57	1/2	4,573.88	1/2	4,222.50	1/2	3,856.63	1/2	3,490.28	1/2	3,123.92	1/2	2,757.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,896.92	3/4	4,566.78	3/4	4,214.96	3/4	3,849.00	3/4	3,482.64	3/4	3,116.29	3/4	2,749.80
1	1	1	1	1	1	1	4,890.28	1	4,559.67	1	4,207.41	1	3,841.37	1	3,475.01	1	3,108.66	1	2,742.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,883.61	1/4	4,552.54	1/4	4,199.84	1/4	3,833.73	1/4	3,467.38	1/4	3,101.02	1/4	2,734.53
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,876.93	1/2	4,545.41	1/2	4,192.26	1/2	3,826.10	1/2	3,459.75	1/2	3,093.39	1/2	2,726.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,870.26	3/4	4,538.27	3/4	4,184.68	3/4	3,818.47	3/4	3,452.11	3/4	3,085.76	3/4	2,719.26
2	2	2	2	2	2	2	4,863.59	2	4,531.14	2	4,177.10	2	3,810.84	2	3,444.48	2	3,078.13	2	2,711.62
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,856.87	1/4	4,523.97	1/4	4,169.49	1/4	3,803.20	1/4	3,436.85	1/4	3,070.49	1/4	2,703.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,850.16	1/2	4,516.80	1/2	4,161.88	1/2	3,795.57	1/2	3,429.22	1/2	3,062.86	1/2	2,696.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,843.45	3/4	4,509.63	3/4	4,154.27	3/4	3,787.94	3/4	3,421.58	3/4	3,055.23	3/4	2,688.71
3	3	3	3	3	3	3	4,836.74	3	4,502.47	3	4,146.66	3	3,780.31	3	3,413.95	3	3,047.60	3	2,681.08
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,829.99	1/4	4,495.26	1/4	4,139.03	1/4	3,772.68	1/4	3,406.32	1/4	3,039.96	1/4	2,673.44
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,823.24	1/2	4,488.06	1/2	4,131.39	1/2	3,765.04	1/2	3,398.69	1/2	3,032.33	1/2	2,665.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,816.49	3/4	4,480.86	3/4	4,123.76	3/4	3,757.41	3/4	3,391.06	3/4	3,024.70	3/4	2,658.17
4	4	4	4	4	4	4	4,809.74	4	4,473.66	4	4,116.13	4	3,749.78	4	3,383.42	4	3,017.07	4	2,650.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,802.96	1/4	4,466.42	1/4	4,108.50	1/4	3,742.15	1/4	3,375.79	1/4	3,009.44	1/4	2,642.89
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,796.18	1/2	4,459.19	1/2	4,100.87	1/2	3,734.51	1/2	3,368.16	1/2	3,001.80	1/2	2,635.26
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,789.39	3/4	4,451.95	3/4	4,093.24	3/4	3,726.88	3/4	3,360.53	3/4	2,994.17	3/4	2,627.62
5	5	5	5	5	5	5	4,782.61	5	4,444.72	5	4,085.60	5	3,719.25	5	3,352.89	5	2,986.54	5	2,619.99
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,775.80	1/4	4,437.44	1/4	4,077.97	1/4	3,711.62	1/4	3,345.26	1/4	2,978.90	1/4	2,612.35
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,768.98	1/2	4,430.16	1/2	4,070.34	1/2	3,703.98	1/2	3,337.63	1/2	2,971.26	1/2	2,604.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,762.16	3/4	4,422.89	3/4	4,062.71	3/4	3,696.35	3/4	3,330.00	3/4	2,963.62	3/4	2,597.08
6	6	6	6	6	6	5,090.44	4,755.35	6	4,415.61	6	4,055.07	6	3,688.72	6	3,322.36	6	2,955.99	6	2,589.44
1/4	1/4	1/4	1/4	1/4	1/4	5,084.01	4,748.50	1/4	4,408.29	1/4	4,047.44	1/4	3,681.09	1/4	3,314.73	1/4	2,948.35	1/4	2,581.80
1/2	1/2	1/2	1/2	1/2	1/2	5,077.58	4,741.65	1/2	4,400.96	1/2	4,039.81	1/2	3,673.45	1/2	3,307.10	1/2	2,940.71	1/2	2,574.17
3/4	3/4	3/4	3/4	3/4	3/4	5,071.15	4,734.80	3/4	4,393.63	3/4	4,032.18	3/4	3,665.82	3/4	3,299.47	3/4	2,933.08	3/4	2,566.53
7	7	7	7	7	7	5,064.72	4,727.95	7	4,386.30	7	4,024.54	7	3,658.19	7	3,291.83	7	2,925.44	7	2,558.89
1/4	1/4	1/4	1/4	1/4	1/4	5,057.34	4,721.03	1/4	4,378.94	1/4	4,016.91	1/4	3,650.56	1/4	3,284.20	1/4	2,917.81	1/4	2,551.26
1/2	1/2	1/2	1/2	1/2	1/2	5,049.95	4,714.12	1/2	4,371.57	1/2	4,009.28	1/2	3,642.92	1/2	3,276.57	1/2	2,910.17	1/2	2,543.62
3/4	3/4	3/4	3/4	3/4	3/4	5,042.57	4,707.21	3/4	4,364.20	3/4	4,001.65	3/4	3,635.29	3/4	3,268.94	3/4	2,902.53	3/4	2,535.99
8	8	8	8	8	8	5,035.18	4,700.29	8	4,356.83	8	3,994.01	8	3,627.66	8	3,261.30	8	2,894.90	8	2,528.35
1/4	1/4	1/4	1/4	1/4	1/4	5,027.61	4,693.34	1/4	4,349.43	1/4	3,986.38	1/4	3,620.03	1/4	3,253.67	1/4	2,887.26	1/4	2,520.71
1/2	1/2	1/2	1/2	1/2	1/2	5,020.03	4,686.38	1/2	4,342.03	1/2	3,978.75	1/2	3,612.39	1/2	3,246.04	1/2	2,879.62	1/2	2,513.08
3/4	3/4	3/4	3/4	3/4	3/4	5,012.46	4,679.42	3/4	4,334.63	3/4	3,971.12	3/4	3,604.76	3/4	3,238.41	3/4	2,871.99	3/4	2,505.44
9	9	9	9	9	9	5,004.88	4,672.47	9	4,327.23	9	3,963.49	9	3,597.13	9	3,230.77	9	2,864.35	9	2,497.80
1/4	1/4	1/4	1/4	1/4	1/4	4,997.31	4,665.47	1/4	4,319.80	1/4	3,955.85	1/4	3,589.50	1/4	3,223.14	1/4	2,856.71	1/4	2,490.17
1/2	1/2	1/2	1/2	1/2	1/2	4,989.73	4,658.47	1/2	4,312.36	1/2	3,948.22	1/2	3,581.87	1/2	3,215.51	1/2	2,849.08	1/2	2,482.53
3/4	3/4	3/4	3/4	3/4	3/4	4,982.16	4,651.47	3/4	4,304.93	3/4	3,940.59	3/4	3,574.23	3/4	3,207.88	3/4	2,841.44	3/4	2,474.89
10	10	10	10	10	10	4,974.58	4,644.48	10	4,297.50	10	3,932.96	10	3,566.60	10	3,200.25	10	2,833.80	10	2,467.26
1/4	1/4	1/4	1/4	1/4	1/4	4,967.01	4,637.44	1/4	4,290.03	1/4	3,925.32	1/4	3,558.97	1/4	3,192.61	1/4	2,826.17	1/4	2,459.62
1/2	1/2	1/2	1/2	1/2	1/2	4,959.43	4,630.41	1/2	4,282.56	1/2	3,917.69	1/2	3,551.34	1/2	3,184.98	1/2	2,818.53	1/2	2,451.98
3/4	3/4	3/4	3/4	3/4	3/4	4,951.86	4,623.38	3/4	4,275.09	3/4	3,910.06	3/4	3,543.70	3/4	3,177.35	3/4	2,810.90	3/4	2,444.35
11	11	11	11	11	11	4,944.28	4,616.34	11	4,267.62	11	3,902.43	11	3,536.07	11	3,169.72	11	2,803.26	11	2,436.71
1/4	1/4	1/4	1/4	1/4	1/4	4,937.42	4,609.28	1/4	4,260.11	1/4	3,894.79	1/4	3,528.44	1/4	3,162.08	1/4	2,795.62	1/4	2,429.08
1/2	1/2	1/2	1/2	1/2	1/2	4,930.57	4,602.21	1/2	4,252.61	1/2	3,887.16	1/2	3,520.81	1/2	3,154.45	1/2	2,787.99	1/2	2,421.44
3/4	3/4	3/4	3/4	3/4	3/4	4,923.71	4,595.14	3/4	4,245.10	3/4	3,879.53	3/4	3,513.17	3/4	3,146.82	3/4	2,780.35	3/4	2,413.80

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC 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 27737"

1 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 334"

GAUGE HEIGHT 16'-09"

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	2,406.17	0	2,039.62	0	1,679.22	0	1,312.60	0	946.18	0	579.86	0	234.38	0		0		0	
1/4	2,398.53	1/4	2,032.52	1/4	1,671.59	1/4	1,304.96	1/4	938.56	1/4	572.24	1/4	227.74	1/4	1/4		1/4		1/4
1/2	2,390.89	1/2	2,025.43	1/2	1,663.95	1/2	1,297.32	1/2	930.93	1/2	564.61	1/2	221.10	1/2	1/2		1/2		1/2
3/4	2,383.26	3/4	2,018.34	3/4	1,656.31	3/4	1,289.69	3/4	923.31	3/4	556.99	3/4	214.46	3/4	3/4		3/4		3/4
1	2,375.62	1	2,011.24	1	1,648.67	1	1,282.05	1	915.69	1	549.36	1	207.83	1	1		1		1
1/4	2,367.98	1/4	2,004.33	1/4	1,641.03	1/4	1,274.41	1/4	908.06	1/4	541.79	1/4	201.27	1/4	1/4		1/4		1/4
1/2	2,360.35	1/2	1,997.41	1/2	1,633.40	1/2	1,266.77	1/2	900.44	1/2	534.21	1/2	194.72	1/2	1/2		1/2		1/2
3/4	2,352.71	3/4	1,990.50	3/4	1,625.76	3/4	1,259.13	3/4	892.81	3/4	526.63	3/4	188.17	3/4	3/4		3/4		3/4
2	2,345.08	2	1,983.58	2	1,618.12	2	1,251.50	2	885.19	2	519.05	2	181.62	2	2		2		2
1/4	2,337.44	1/4	1,976.15	1/4	1,610.48	1/4	1,243.86	1/4	877.57	1/4	511.54	1/4	175.15	1/4	1/4		1/4		1/4
1/2	2,329.80	1/2	1,968.72	1/2	1,602.84	1/2	1,236.22	1/2	869.94	1/2	504.04	1/2	168.68	1/2	1/2		1/2		1/2
3/4	2,322.17	3/4	1,961.29	3/4	1,595.21	3/4	1,228.58	3/4	862.32	3/4	496.53	3/4	162.22	3/4	3/4		3/4		3/4
3	2,314.53	3	1,953.86	3	1,587.57	3	1,220.94	3	854.69	3	489.03	3	155.75	3	3		3		3
1/4	2,306.89	1/4	1,946.26	1/4	1,579.93	1/4	1,213.31	1/4	847.07	1/4	481.61	1/4	149.37	1/4	1/4		1/4		1/4
1/2	2,299.26	1/2	1,938.66	1/2	1,572.29	1/2	1,205.67	1/2	839.45	1/2	474.19	1/2	143.00	1/2	1/2		1/2		1/2
3/4	2,291.62	3/4	1,931.06	3/4	1,564.65	3/4	1,198.03	3/4	831.82	3/4	466.77	3/4	136.62	3/4	3/4		3/4		3/4
4	2,283.98	4	1,923.45	4	1,557.02	4	1,190.39	4	824.20	4	459.34	4	130.24	4	4		4		4
1/4	2,276.35	1/4	1,915.85	1/4	1,549.38	1/4	1,182.75	1/4	816.57	1/4	452.01	1/4	123.95	1/4	1/4		1/4		1/4
1/2	2,268.71	1/2	1,908.25	1/2	1,541.74	1/2	1,175.12	1/2	808.95	1/2	444.68	1/2	117.66	1/2	1/2		1/2		1/2
3/4	2,261.07	3/4	1,900.65	3/4	1,534.10	3/4	1,167.48	3/4	801.33	3/4	437.34	3/4	111.36	3/4	3/4		3/4		3/4
5	2,253.44	5	1,893.04	5	1,526.46	5	1,159.84	5	793.70	5	430.01	5	105.07	5	5		5		5
1/4	2,245.80	1/4	1,885.42	1/4	1,518.83	1/4	1,152.20	1/4	786.07	1/4	422.76	1/4	98.88	1/4	1/4		1/4		1/4
1/2	2,238.17	1/2	1,877.79	1/2	1,511.19	1/2	1,144.56	1/2	778.43	1/2	415.51	1/2	92.68	1/2	1/2		1/2		1/2
3/4	2,230.53	3/4	1,870.16	3/4	1,503.55	3/4	1,136.93	3/4	770.80	3/4	408.27	3/4	86.48	3/4	3/4		3/4		3/4
6	2,222.89	6	1,862.54	6	1,495.91	6	1,129.29	6	763.16	6	401.02	6	80.29	6	6		6		6
1/4	2,215.26	1/4	1,854.90	1/4	1,488.27	1/4	1,121.65	1/4	755.53	1/4	393.86	1/4	74.20	1/4	1/4		1/4		1/4
1/2	2,207.62	1/2	1,847.26	1/2	1,480.64	1/2	1,114.01	1/2	747.89	1/2	386.70	1/2	68.11	1/2	1/2		1/2		1/2
3/4	2,199.98	3/4	1,839.62	3/4	1,473.00	3/4	1,106.37	3/4	740.25	3/4	379.54	3/4	62.02	3/4	3/4		3/4		3/4
7	2,192.35	7	1,831.98	7	1,465.36	7	1,098.74	7	732.61	7	372.38	7	55.94	7	7		7		7
1/4	2,184.71	1/4	1,824.35	1/4	1,457.72	1/4	1,091.10	1/4	724.97	1/4	365.31	1/4	50.63	1/4	1/4		1/4		1/4
1/2	2,177.07	1/2	1,816.71	1/2	1,450.08	1/2	1,083.47	1/2	717.34	1/2	358.23	1/2	45.32	1/2	1/2		1/2		1/2
3/4	2,169.44	3/4	1,809.07	3/4	1,442.45	3/4	1,075.84	3/4	709.70	3/4	351.16	3/4	40.02	3/4	3/4		3/4		3/4
8	2,161.80	8	1,801.43	8	1,434.81	8	1,068.20	8	702.06	8	344.08	8	34.71	8	8		8		8
1/4	2,154.17	1/4	1,793.79	1/4	1,427.17	1/4	1,060.57	1/4	694.42	1/4	337.10	1/4	30.82	1/4	1/4		1/4		1/4
1/2	2,146.53	1/2	1,786.16	1/2	1,419.53	1/2	1,052.94	1/2	686.79	1/2	330.11	1/2	26.93	1/2	1/2		1/2		1/2
3/4	2,138.89	3/4	1,778.52	3/4	1,411.89	3/4	1,045.31	3/4	679.15	3/4	323.13	3/4	23.04	3/4	3/4		3/4		3/4
9	2,131.26	9	1,770.88	9	1,404.26	9	1,037.68	9	671.51	9	316.14	9	19.15	9	9		9		9
1/4	2,123.62	1/4	1,763.24	1/4	1,396.62	1/4	1,030.05	1/4	663.87	1/4	309.24	1/4		1/4	1/4		1/4		1/4
1/2	2,115.98	1/2	1,755.60	1/2	1,388.98	1/2	1,022.43	1/2	656.24	1/2	302.34	1/2		1/2	1/2		1/2		1/2
3/4	2,108.35	3/4	1,747.97	3/4	1,381.34	3/4	1,014.80	3/4	648.60	3/4	295.44	3/4		3/4	3/4		3/4		3/4
10	2,100.71	10	1,740.33	10	1,373.70	10	1,007.17	10	640.96	10	288.54	10		10	10		10		10
1/4	2,093.07	1/4	1,732.69	1/4	1,366.07	1/4	999.55	1/4	633.32	1/4	281.73	1/4		1/4	1/4		1/4		1/4
1/2	2,085.44	1/2	1,725.05	1/2	1,358.43	1/2	991.93	1/2	625.69	1/2	274.91	1/2		1/2	1/2		1/2		1/2
3/4	2,077.80	3/4	1,717.41	3/4	1,350.79	3/4	984.30	3/4	618.05	3/4	268.10	3/4		3/4	3/4		3/4		3/4
11	2,070.16	11	1,709.78	11	1,343.15	11	976.68	11	610.41	11	261.29	11		11	11		11		11
1/4	2,062.53	1/4	1,702.14	1/4	1,335.51	1/4	969.05	1/4	602.77	1/4	254.56	1/4		1/4	1/4		1/4		1/4
1/2	2,054.89	1/2	1,694.50	1/2	1,327.88	1/2	961.43	1/2	595.14	1/2	247.84	1/2		1/2	1/2		1/2		1/2
3/4	2,047.26	3/4	1,686.86	3/4	1,320.24	3/4	953.81	3/4	587.50	3/4	241.11	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2014 PMA
RECALCULATED: 11/06/2019 PMA
NAME CHANGE: 11/06/2019

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2019

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



BARGE "KIRBY 27737"

2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 334"

GAUGE HEIGHT 16'-10 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	4,706.28	0	4,397.66	0	4,070.31	0	3,727.17	0	3,382.79	0	3,038.40	0	2,693.94		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,699.16	1/4	4,391.05	1/4	4,063.29	1/4	3,720.00	1/4	3,375.61	1/4	3,031.23	1/4	2,686.76		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,692.72	1/2	4,384.41	1/2	4,056.23	1/2	3,712.83	1/2	3,368.44	1/2	3,024.05	1/2	2,679.58		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,686.28	3/4	4,377.77	3/4	4,049.17	3/4	3,705.65	3/4	3,361.26	3/4	3,016.88	3/4	2,672.40		
1		1		1		1	4,679.83	1	4,371.12	1	4,042.11	1	3,698.48	1	3,354.09	1	3,009.70	1	2,665.22		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,673.39	1/4	4,364.48	1/4	4,035.06	1/4	3,691.30	1/4	3,346.92	1/4	3,002.53	1/4	2,658.04		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,667.15	1/2	4,357.81	1/2	4,027.96	1/2	3,684.13	1/2	3,339.74	1/2	2,995.36	1/2	2,650.86		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,660.91	3/4	4,351.14	3/4	4,020.87	3/4	3,676.95	3/4	3,332.57	3/4	2,988.18	3/4	2,643.69		
2		2		2		2	4,654.67	2	4,344.46	2	4,013.78	2	3,669.78	2	3,325.39	2	2,981.01	2	2,636.51		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,648.43	1/4	4,337.79	1/4	4,006.69	1/4	3,662.60	1/4	3,318.22	1/4	2,973.83	1/4	2,629.33		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,642.16	1/2	4,331.09	1/2	3,999.57	1/2	3,655.43	1/2	3,311.04	1/2	2,966.66	1/2	2,622.15		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,635.89	3/4	4,324.38	3/4	3,992.44	3/4	3,648.25	3/4	3,303.87	3/4	2,959.48	3/4	2,614.97		
3		3		3		3	4,629.62	3	4,317.68	3	3,985.32	3	3,641.08	3	3,296.69	3	2,952.31	3	2,607.79		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,623.35	1/4	4,310.97	1/4	3,978.20	1/4	3,633.90	1/4	3,289.52	1/4	2,945.13	1/4	2,600.61		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,617.05	1/2	4,304.23	1/2	3,971.04	1/2	3,626.73	1/2	3,282.34	1/2	2,937.96	1/2	2,593.43		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,610.74	3/4	4,297.50	3/4	3,963.89	3/4	3,619.55	3/4	3,275.17	3/4	2,930.78	3/4	2,586.26		
4		4		4		4	4,604.43	4	4,290.76	4	3,956.73	4	3,612.38	4	3,267.99	4	2,923.61	4	2,579.08		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,598.13	1/4	4,284.02	1/4	3,949.58	1/4	3,605.20	1/4	3,260.82	1/4	2,916.43	1/4	2,571.90		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,591.79	1/2	4,277.26	1/2	3,942.41	1/2	3,598.03	1/2	3,253.64	1/2	2,909.26	1/2	2,564.72		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,585.45	3/4	4,270.49	3/4	3,935.23	3/4	3,590.86	3/4	3,246.47	3/4	2,902.08	3/4	2,557.54		
5		5		5		5	4,579.11	5	4,263.72	5	3,928.06	5	3,583.68	5	3,239.30	5	2,894.91	5	2,550.36		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,572.77	1/4	4,256.95	1/4	3,920.89	1/4	3,576.51	1/4	3,232.12	1/4	2,887.73	1/4	2,543.18		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,566.40	1/2	4,250.15	1/2	3,913.72	1/2	3,569.33	1/2	3,224.95	1/2	2,880.56	1/2	2,536.00		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,560.03	3/4	4,243.35	3/4	3,906.54	3/4	3,562.16	3/4	3,217.77	3/4	2,873.39	3/4	2,528.82		
6		6		6		6	4,553.65	6	4,236.55	6	3,899.37	6	3,554.98	6	3,210.60	6	2,866.21	6	2,521.65		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,547.28	1/4	4,229.75	1/4	3,892.19	1/4	3,547.81	1/4	3,203.42	1/4	2,859.04	1/4	2,514.47		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,540.88	1/2	4,222.91	1/2	3,885.02	1/2	3,540.63	1/2	3,196.25	1/2	2,851.86	1/2	2,507.29		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,534.48	3/4	4,216.07	3/4	3,877.84	3/4	3,533.46	3/4	3,189.07	3/4	2,844.69	3/4	2,500.11		
7		7		7		7	4,528.07	7	4,209.24	7	3,870.67	7	3,526.28	7	3,181.90	7	2,837.51	7	2,492.93		
1/4	1/4	1/4	4,836.49	1/4	4,521.67	1/4	4,202.40	1/4	3,863.49	1/4	3,519.11	1/4	3,174.72	1/4	2,830.33	1/4	2,485.75				
1/2	1/2	1/2	4,830.45	1/2	4,515.23	1/2	4,195.51	1/2	3,856.32	1/2	3,511.93	1/2	3,167.55	1/2	2,823.16	1/2	2,478.57				
3/4	3/4	3/4	4,824.41	3/4	4,508.80	3/4	4,188.62	3/4	3,849.14	3/4	3,504.76	3/4	3,160.37	3/4	2,815.98	3/4	2,471.39				
8		8		8		8	4,818.36	8	4,502.36	8	4,181.74	8	3,841.97	8	3,497.58	8	3,153.20	8	2,808.80	8	2,464.22
1/4	1/4	1/4	4,812.32	1/4	4,495.93	1/4	4,174.85	1/4	3,834.80	1/4	3,490.41	1/4	3,146.02	1/4	2,801.62	1/4	2,457.04				
1/2	1/2	1/2	4,805.38	1/2	4,489.43	1/2	4,167.92	1/2	3,827.62	1/2	3,483.23	1/2	3,138.85	1/2	2,794.44	1/2	2,449.86				
3/4	3/4	3/4	4,798.44	3/4	4,482.94	3/4	4,161.00	3/4	3,820.45	3/4	3,476.06	3/4	3,131.67	3/4	2,787.26	3/4	2,442.68				
9		9		9		9	4,791.51	9	4,476.44	9	4,154.07	9	3,818.27	9	3,468.89	9	3,124.50	9	2,780.08	9	2,435.50
1/4	1/4	1/4	4,784.57	1/4	4,469.94	1/4	4,147.15	1/4	3,806.10	1/4	3,461.71	1/4	3,117.33	1/4	2,772.90	1/4	2,428.32				
1/2	1/2	1/2	4,777.45	1/2	4,463.41	1/2	4,140.19	1/2	3,798.92	1/2	3,454.54	1/2	3,110.15	1/2	2,765.73	1/2	2,421.14				
3/4	3/4	3/4	4,770.33	3/4	4,456.87	3/4	4,133.23	3/4	3,791.75	3/4	3,447.36	3/4	3,102.98	3/4	2,758.55	3/4	2,413.96				
10		10		10		10	4,763.21	10	4,450.33	10	4,126.28	10	3,784.57	10	3,440.19	10	3,095.80	10	2,751.37	10	2,406.79
1/4	1/4	1/4	4,756.10	1/4	4,443.79	1/4	4,119.32	1/4	3,777.40	1/4	3,433.01	1/4	3,433.01	1/4	3,088.63	1/4	2,744.19	1/4	2,399.61		
1/2	1/2	1/2	4,748.98	1/2	4,437.21	1/2	4,112.33	1/2	3,770.22	1/2	3,425.84	1/2	3,425.84	1/2	3,081.45	1/2	2,737.01	1/2	2,392.43		
3/4	3/4	3/4	4,741.86	3/4	4,430.64	3/4	4,105.34	3/4	3,763.05	3/4	3,418.66	3/4	3,418.66	3/4	3,074.28	3/4	2,729.83	3/4	2,385.25		
11		11		11		11	4,734.74	11	4,424.06	11	4,098.36	11	3,755.87	11	3,411.49	11	3,067.10	11	2,722.65	11	2,378.07
1/4	1/4	1/4	4,727.63	1/4	4,417.49	1/4	4,091.37	1/4	3,748.70	1/4	3,404.31	1/4	3,404.31	1/4	3,059.93	1/4	2,715.47	1/4	2,370.89		
1/2	1/2	1/2	4,720.51	1/2	4,410.88	1/2	4,084.35	1/2	3,741.52	1/2	3,397.14	1/2	3,397.14	1/2	3,052.75	1/2	2,708.29	1/2	2,363.71		
3/4	3/4	3/4	4,713.39	3/4	4,404.27	3/4	4,077.33	3/4	3,734.35	3/4	3,389.96	3/4	3,389.96	3/4	3,045.58	3/4	2,701.12	3/4	2,356.53		

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 27737"

2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 334"

GAUGE HEIGHT 16'-10 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,349.35	0	2,004.77	0	1,666.01	0	1,321.36	0	983.19	0	646.48	0	301.84	0		0		0	
1/4	2,342.18	1/4	1,997.59	1/4	1,658.83	1/4	1,314.18	1/4	976.31	1/4	639.30	1/4	294.66	1/4	1/4	1/4		1/4	1/4
1/2	2,335.00	1/2	1,990.41	1/2	1,651.65	1/2	1,307.00	1/2	969.44	1/2	632.12	1/2	287.48	1/2	1/2	1/2		1/2	1/2
3/4	2,327.82	3/4	1,983.24	3/4	1,644.47	3/4	1,299.82	3/4	962.56	3/4	624.94	3/4	280.30	3/4	3/4	3/4		3/4	3/4
1	2,320.64	1	1,976.06	1	1,637.29	1	1,292.64	1	955.69	1	617.76	1	273.12	1	1	1		1	1
1/4	2,313.46	1/4	1,968.88	1/4	1,630.11	1/4	1,285.46	1/4	948.81	1/4	610.58	1/4	265.94	1/4	1/4	1/4		1/4	1/4
1/2	2,306.28	1/2	1,962.21	1/2	1,622.93	1/2	1,278.28	1/2	941.94	1/2	603.40	1/2	258.76	1/2	1/2	1/2		1/2	1/2
3/4	2,299.10	3/4	1,955.54	3/4	1,615.75	3/4	1,271.10	3/4	935.06	3/4	596.22	3/4	251.58	3/4	3/4	3/4		3/4	3/4
2	2,291.92	2	1,948.87	2	1,608.57	2	1,263.92	2	928.19	2	589.04	2	244.40	2	2	2		2	2
1/4	2,284.75	1/4	1,942.20	1/4	1,601.39	1/4	1,256.74	1/4	921.31	1/4	581.86	1/4	237.22	1/4	1/4	1/4		1/4	1/4
1/2	2,277.57	1/2	1,935.70	1/2	1,594.21	1/2	1,249.56	1/2	914.44	1/2	574.68	1/2	230.04	1/2	1/2	1/2		1/2	1/2
3/4	2,270.39	3/4	1,929.20	3/4	1,587.03	3/4	1,242.38	3/4	907.56	3/4	567.50	3/4	222.86	3/4	3/4	3/4		3/4	3/4
3	2,263.21	3	1,922.70	3	1,579.85	3	1,235.20	3	900.69	3	560.32	3	215.68	3	3	3		3	3
1/4	2,256.03	1/4	1,916.20	1/4	1,572.67	1/4	1,228.02	1/4	893.81	1/4	553.14	1/4	208.50	1/4	1/4	1/4		1/4	1/4
1/2	2,248.85	1/2	1,909.22	1/2	1,565.49	1/2	1,220.84	1/2	886.93	1/2	545.96	1/2	201.32	1/2	1/2	1/2		1/2	1/2
3/4	2,241.67	3/4	1,902.24	3/4	1,558.31	3/4	1,213.66	3/4	880.06	3/4	538.78	3/4	194.14	3/4	3/4	3/4		3/4	3/4
4	2,234.49	4	1,895.25	4	1,551.13	4	1,206.48	4	873.18	4	531.60	4	186.96	4	4	4		4	4
1/4	2,227.32	1/4	1,888.27	1/4	1,543.95	1/4	1,199.30	1/4	866.31	1/4	524.42	1/4	179.78	1/4	1/4	1/4		1/4	1/4
1/2	2,220.14	1/2	1,881.13	1/2	1,536.76	1/2	1,192.12	1/2	859.43	1/2	517.24	1/2	172.60	1/2	1/2	1/2		1/2	1/2
3/4	2,212.96	3/4	1,873.98	3/4	1,529.58	3/4	1,184.94	3/4	852.56	3/4	510.06	3/4	165.42	3/4	3/4	3/4		3/4	3/4
5	2,205.78	5	1,866.84	5	1,522.40	5	1,177.75	5	845.68	5	502.88	5	158.24	5	5	5		5	5
1/4	2,198.60	1/4	1,859.69	1/4	1,515.22	1/4	1,170.57	1/4	838.81	1/4	495.70	1/4	151.06	1/4	1/4	1/4		1/4	1/4
1/2	2,191.42	1/2	1,852.55	1/2	1,508.04	1/2	1,163.39	1/2	831.93	1/2	488.52	1/2	143.88	1/2	1/2	1/2		1/2	1/2
3/4	2,184.24	3/4	1,845.40	3/4	1,500.86	3/4	1,156.21	3/4	825.06	3/4	481.34	3/4	136.70	3/4	3/4	3/4		3/4	3/4
6	2,177.06	6	1,838.26	6	1,493.68	6	1,149.03	6	818.18	6	474.16	6	129.52	6	6	6		6	6
1/4	2,169.88	1/4	1,831.11	1/4	1,486.50	1/4	1,141.85	1/4	811.31	1/4	466.98	1/4	122.34	1/4	1/4	1/4		1/4	1/4
1/2	2,162.71	1/2	1,823.94	1/2	1,479.32	1/2	1,134.89	1/2	804.20	1/2	459.80	1/2	115.17	1/2	1/2	1/2		1/2	1/2
3/4	2,155.53	3/4	1,816.77	3/4	1,472.14	3/4	1,127.92	3/4	797.10	3/4	452.62	3/4	108.00	3/4	3/4	3/4		3/4	3/4
7	2,148.35	7	1,809.60	7	1,464.96	7	1,120.95	7	790.00	7	445.44	7	100.82	7	7	7		7	7
1/4	2,141.17	1/4	1,802.43	1/4	1,457.78	1/4	1,113.98	1/4	782.90	1/4	438.26	1/4	93.65	1/4	1/4	1/4		1/4	1/4
1/2	2,133.99	1/2	1,795.25	1/2	1,450.60	1/2	1,107.09	1/2	775.72	1/2	431.08	1/2	86.50	1/2	1/2	1/2		1/2	1/2
3/4	2,126.81	3/4	1,788.07	3/4	1,443.42	3/4	1,100.19	3/4	768.54	3/4	423.90	3/4	79.35	3/4	3/4	3/4		3/4	3/4
8	2,119.63	8	1,780.89	8	1,436.24	8	1,093.29	8	761.36	8	416.72	8	72.20	8	8	8		8	8
1/4	2,112.45	1/4	1,773.71	1/4	1,429.06	1/4	1,086.40	1/4	754.18	1/4	409.54	1/4	65.05	1/4	1/4	1/4		1/4	1/4
1/2	2,105.28	1/2	1,766.53	1/2	1,421.88	1/2	1,079.51	1/2	747.00	1/2	402.36	1/2	58.55	1/2	1/2	1/2		1/2	1/2
3/4	2,098.10	3/4	1,759.35	3/4	1,414.70	3/4	1,072.62	3/4	739.82	3/4	395.18	3/4	52.05	3/4	3/4	3/4		3/4	3/4
9	2,090.92	9	1,752.17	9	1,407.52	9	1,065.74	9	732.64	9	388.00	9	45.56	9	9	9		9	9
1/4	2,083.74	1/4	1,744.99	1/4	1,400.34	1/4	1,058.85	1/4	725.46	1/4	380.82	1/4	39.06	1/4	1/4	1/4		1/4	1/4
1/2	2,076.56	1/2	1,737.81	1/2	1,393.16	1/2	1,051.97	1/2	718.28	1/2	373.64	1/2	34.12	1/2	1/2	1/2		1/2	1/2
3/4	2,069.38	3/4	1,730.63	3/4	1,385.98	3/4	1,045.09	3/4	711.10	3/4	366.46	3/4	29.19	3/4	3/4	3/4		3/4	3/4
10	2,062.20	10	1,723.45	10	1,378.80	10	1,038.20	10	703.92	10	359.28	10	24.25	10	10	10		10	10
1/4	2,055.02	1/4	1,716.27	1/4	1,371.62	1/4	1,031.32	1/4	696.74	1/4	352.10	1/4	19.21	1/4	1/4	1/4		1/4	1/4
1/2	2,047.85	1/2	1,709.09	1/2	1,364.44	1/2	1,024.45	1/2	689.56	1/2	344.92	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,040.67	3/4	1,701.91	3/4	1,357.26	3/4	1,017.57	3/4	682.38	3/4	337.74	3/4		3/4	3/4	3/4		3/4	3/4
11	2,033.49	11	1,694.73	11	1,350.08	11	1,010.69	11	675.20	11	330.56	11		11	11	11		11	11
1/4	2,026.31	1/4	1,687.55	1/4	1,342.90	1/4	1,003.81	1/4	668.02	1/4	323.38	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,019.13	1/2	1,680.37	1/2	1,335.72	1/2	996.94	1/2	660.84	1/2	316.20	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,011.95	3/4	1,673.19	3/4	1,328.54	3/4	990.06	3/4	653.66	3/4	309.02	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2014 PMA
RECALCULATED: 11/06/2019 PMA
NAME CHANGE: 11/06/2019

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2019

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



BARGE "KIRBY 27737"

2 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 334"

GAUGE HEIGHT 16'-10 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0		0		0		0	4,717.79	0	4,409.30	0	4,082.10	0	3,739.14	0	3,394.92	0	3,050.71	0	2,706.41		
1/4		1/4		1/4		1/4	4,710.68	1/4	4,402.69	1/4	4,075.08	1/4	3,731.97	1/4	3,387.75	1/4	3,043.54	1/4	2,699.24		
1/2		1/2		1/2		1/2	4,704.24	1/2	4,396.05	1/2	4,068.03	1/2	3,724.79	1/2	3,380.58	1/2	3,036.37	1/2	2,692.06		
3/4		3/4		3/4		3/4	4,697.80	3/4	4,389.41	3/4	4,060.97	3/4	3,717.62	3/4	3,373.41	3/4	3,029.20	3/4	2,684.89		
1		1		1		1	4,691.36	1	4,382.77	1	4,053.92	1	3,710.45	1	3,366.24	1	3,022.03	1	2,677.71		
1/4		1/4		1/4		1/4	4,684.92	1/4	4,376.14	1/4	4,046.86	1/4	3,703.28	1/4	3,359.07	1/4	3,014.86	1/4	2,670.54		
1/2		1/2		1/2		1/2	4,678.68	1/2	4,369.47	1/2	4,039.77	1/2	3,696.11	1/2	3,351.90	1/2	3,007.68	1/2	2,663.36		
3/4		3/4		3/4		3/4	4,672.44	3/4	4,362.80	3/4	4,032.69	3/4	3,688.94	3/4	3,344.73	3/4	3,000.51	3/4	2,656.19		
2		2		2		2	4,666.21	2	4,356.12	2	4,025.60	2	3,681.77	2	3,337.56	2	2,993.34	2	2,649.01		
1/4		1/4		1/4		1/4	4,659.97	1/4	4,349.45	1/4	4,018.51	1/4	3,674.60	1/4	3,330.38	1/4	2,986.17	1/4	2,641.83		
1/2		1/2		1/2		1/2	4,653.70	1/2	4,342.75	1/2	4,011.39	1/2	3,667.43	1/2	3,323.21	1/2	2,979.00	1/2	2,634.66		
3/4		3/4		3/4		3/4	4,647.43	3/4	4,336.05	3/4	4,004.27	3/4	3,660.26	3/4	3,316.04	3/4	2,971.83	3/4	2,627.48		
3		3		3		3	4,641.17	3	4,329.35	3	3,997.15	3	3,653.08	3	3,308.87	3	2,964.66	3	2,620.31		
1/4		1/4		1/4		1/4	4,634.90	1/4	4,322.65	1/4	3,990.03	1/4	3,645.91	1/4	3,301.70	1/4	2,957.49	1/4	2,613.13		
1/2		1/2		1/2		1/2	4,628.60	1/2	4,315.91	1/2	3,982.88	1/2	3,638.74	1/2	3,294.53	1/2	2,950.32	1/2	2,605.96		
3/4		3/4		3/4		3/4	4,622.29	3/4	4,309.18	3/4	3,975.73	3/4	3,631.57	3/4	3,287.36	3/4	2,943.15	3/4	2,598.78		
4		4		4		4	4,615.99	4	4,302.45	4	3,968.58	4	3,624.40	4	3,280.19	4	2,935.97	4	2,591.61		
1/4		1/4		1/4		1/4	4,609.68	1/4	4,295.71	1/4	3,961.43	1/4	3,617.23	1/4	3,273.02	1/4	2,928.80	1/4	2,584.43		
1/2		1/2		1/2		1/2	4,603.35	1/2	4,288.95	1/2	3,954.26	1/2	3,610.06	1/2	3,265.84	1/2	2,921.63	1/2	2,577.26		
3/4		3/4		3/4		3/4	4,597.01	3/4	4,282.18	3/4	3,947.09	3/4	3,602.89	3/4	3,258.67	3/4	2,914.46	3/4	2,570.08		
5		5		5		5	4,590.67	5	4,275.42	5	3,939.92	5	3,595.72	5	3,251.50	5	2,907.29	5	2,562.91		
1/4		1/4		1/4		1/4	4,584.33	1/4	4,268.65	1/4	3,932.76	1/4	3,588.54	1/4	3,244.33	1/4	2,900.12	1/4	2,555.73		
1/2		1/2		1/2		1/2	4,577.97	1/2	4,261.86	1/2	3,925.59	1/2	3,581.37	1/2	3,237.16	1/2	2,892.95	1/2	2,548.56		
3/4		3/4		3/4		3/4	4,571.60	3/4	4,255.06	3/4	3,918.41	3/4	3,574.20	3/4	3,229.99	3/4	2,885.78	3/4	2,541.38		
6		6		6		6	4,565.23	6	4,248.26	6	3,911.24	6	3,567.03	6	3,222.82	6	2,878.61	6	2,534.21		
1/4		1/4		1/4		1/4	4,558.86	1/4	4,241.46	1/4	3,904.07	1/4	3,559.86	1/4	3,215.65	1/4	2,871.43	1/4	2,527.03		
1/2		1/2		1/2		1/2	4,552.46	1/2	4,234.63	1/2	3,896.90	1/2	3,552.69	1/2	3,208.48	1/2	2,864.26	1/2	2,519.86		
3/4		3/4		3/4		3/4	4,546.06	3/4	4,227.79	3/4	3,889.73	3/4	3,545.52	3/4	3,201.30	3/4	2,857.09	3/4	2,512.68		
7		7		7		7	4,539.66	7	4,220.96	7	3,882.56	7	3,538.35	7	3,194.13	7	2,849.91	7	2,505.51		
1/4		1/4		1/4		1/4	4,847.93	1/4	4,533.26	1/4	4,214.12	1/4	3,875.39	1/4	3,531.18	1/4	3,186.96	1/4	2,842.74	1/4	2,498.33
1/2		1/2		1/2		1/2	4,841.89	1/2	4,526.82	1/2	4,207.24	1/2	3,868.22	1/2	3,524.00	1/2	3,179.79	1/2	2,835.56	1/2	2,491.16
3/4		3/4		3/4		3/4	4,835.86	3/4	4,520.39	3/4	4,200.36	3/4	3,861.05	3/4	3,516.83	3/4	3,172.62	3/4	2,828.39	3/4	2,483.98
8		8		8		8	4,829.82	8	4,513.96	8	4,193.47	8	3,853.87	8	3,509.66	8	3,165.45	8	2,821.21	8	2,476.81
1/4		1/4		1/4		1/4	4,823.78	1/4	4,507.53	1/4	4,186.59	1/4	3,846.70	1/4	3,502.49	1/4	3,158.28	1/4	2,814.04	1/4	2,469.63
1/2		1/2		1/2		1/2	4,816.85	1/2	4,501.03	1/2	4,179.66	1/2	3,839.53	1/2	3,495.32	1/2	3,151.11	1/2	2,806.86	1/2	2,462.46
3/4		3/4		3/4		3/4	4,809.91	3/4	4,494.54	3/4	4,172.74	3/4	3,832.36	3/4	3,488.15	3/4	3,143.94	3/4	2,799.69	3/4	2,455.28
9		9		9		9	4,802.98	9	4,488.05	9	4,165.82	9	3,825.19	9	3,480.98	9	3,136.76	9	2,792.51	9	2,448.11
1/4		1/4		1/4		1/4	4,796.04	1/4	4,481.55	1/4	4,158.90	1/4	3,818.02	1/4	3,473.81	1/4	3,129.59	1/4	2,785.34	1/4	2,440.93
1/2		1/2		1/2		1/2	4,788.93	1/2	4,475.02	1/2	4,151.95	1/2	3,810.85	1/2	3,466.64	1/2	3,122.42	1/2	2,778.16	1/2	2,433.76
3/4		3/4		3/4		3/4	4,781.81	3/4	4,468.48	3/4	4,144.99	3/4	3,803.68	3/4	3,459.46	3/4	3,115.25	3/4	2,770.99	3/4	2,426.58
10		10		10		10	4,774.70	10	4,461.95	10	4,138.04	10	3,796.51	10	3,452.29	10	3,108.08	10	2,763.81	10	2,419.41
1/4		1/4		1/4		1/4	4,767.59	1/4	4,455.41	1/4	4,131.09	1/4	3,789.33	1/4	3,445.12	1/4	3,100.91	1/4	2,756.64	1/4	2,412.23
1/2		1/2		1/2		1/2	4,760.47	1/2	4,448.84	1/2	4,124.10	1/2	3,782.16	1/2	3,437.95	1/2	3,093.74	1/2	2,749.46	1/2	2,405.06
3/4		3/4		3/4		3/4	4,753.36	3/4	4,442.26	3/4	4,117.12	3/4	3,774.99	3/4	3,430.78	3/4	3,086.57	3/4	2,742.29	3/4	2,397.88
11		11		11		11	4,746.25	11	4,435.69	11	4,110.13	11	3,767.82	11	3,423.61	11	3,079.40	11	2,735.11	11	2,390.71
1/4		1/4		1/4		1/4	4,739.13	1/4	4,429.12	1/4	4,103.15	1/4	3,760.65	1/4	3,416.44	1/4	3,072.22	1/4	2,727.94	1/4	2,383.53
1/2		1/2		1/2		1/2	4,732.02	1/2	4,422.51	1/2	4,096.13	1/2	3,753.48	1/2	3,409.27	1/2	3,065.05	1/2	2,720.76	1/2	2,376.36
3/4		3/4		3/4		3/4	4,724.90	3/4	4,415.90	3/4	4,089.11	3/4	3,746.31	3/4	3,402.10	3/4	3,057.88	3/4	2,713.59	3/4	2,369.18

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 27737"

2 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 334"

GAUGE HEIGHT 16'-10 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,362.01	0	2,017.60	0	1,679.00	0	1,334.53	0	990.18	0	646.04	0	301.58	0		0		0	
1/4	2,354.83	1/4	2,010.43	1/4	1,671.82	1/4	1,327.35	1/4	983.01	1/4	638.86	1/4	294.40	1/4	1/4		1/4		1/4
1/2	2,347.66	1/2	2,003.25	1/2	1,664.64	1/2	1,320.17	1/2	975.85	1/2	631.69	1/2	287.23	1/2	1/2		1/2		1/2
3/4	2,340.48	3/4	1,996.08	3/4	1,657.47	3/4	1,313.00	3/4	968.68	3/4	624.51	3/4	280.05	3/4	3/4		3/4		3/4
1	2,333.31	1	1,988.90	1	1,650.29	1	1,305.82	1	961.52	1	617.34	1	272.87	1	1		1		1
1/4	2,326.13	1/4	1,981.73	1/4	1,643.11	1/4	1,298.64	1/4	954.36	1/4	610.16	1/4	265.70	1/4	1/4		1/4		1/4
1/2	2,318.96	1/2	1,975.06	1/2	1,635.94	1/2	1,291.47	1/2	947.19	1/2	602.98	1/2	258.52	1/2	1/2		1/2		1/2
3/4	2,311.78	3/4	1,968.39	3/4	1,628.76	3/4	1,284.29	3/4	940.03	3/4	595.81	3/4	251.34	3/4	3/4		3/4		3/4
2	2,304.61	2	1,961.73	2	1,621.59	2	1,277.11	2	932.87	2	588.63	2	244.17	2	2		2		2
1/4	2,297.43	1/4	1,955.06	1/4	1,614.41	1/4	1,269.94	1/4	925.70	1/4	581.45	1/4	236.99	1/4	1/4		1/4		1/4
1/2	2,290.25	1/2	1,948.56	1/2	1,607.23	1/2	1,262.76	1/2	918.54	1/2	574.28	1/2	229.82	1/2	1/2		1/2		1/2
3/4	2,283.08	3/4	1,942.07	3/4	1,600.06	3/4	1,255.58	3/4	911.38	3/4	567.10	3/4	222.64	3/4	3/4		3/4		3/4
3	2,275.90	3	1,935.57	3	1,592.88	3	1,248.41	3	904.21	3	559.93	3	215.46	3	3		3		3
1/4	2,268.73	1/4	1,929.07	1/4	1,585.70	1/4	1,241.23	1/4	897.05	1/4	552.75	1/4	208.29	1/4	1/4		1/4		1/4
1/2	2,261.55	1/2	1,922.09	1/2	1,578.53	1/2	1,234.05	1/2	889.89	1/2	545.57	1/2	201.11	1/2	1/2		1/2		1/2
3/4	2,254.38	3/4	1,915.11	3/4	1,571.35	3/4	1,226.88	3/4	882.72	3/4	538.40	3/4	193.93	3/4	3/4		3/4		3/4
4	2,247.20	4	1,908.13	4	1,564.17	4	1,219.70	4	875.56	4	531.22	4	186.76	4	4		4		4
1/4	2,240.03	1/4	1,901.15	1/4	1,557.00	1/4	1,212.52	1/4	868.39	1/4	524.04	1/4	179.58	1/4	1/4		1/4		1/4
1/2	2,232.85	1/2	1,894.01	1/2	1,549.82	1/2	1,205.35	1/2	861.23	1/2	516.87	1/2	172.41	1/2	1/2		1/2		1/2
3/4	2,225.68	3/4	1,886.87	3/4	1,542.64	3/4	1,198.17	3/4	854.07	3/4	509.69	3/4	165.23	3/4	3/4		3/4		3/4
5	2,218.50	5	1,879.73	5	1,535.47	5	1,191.00	5	846.90	5	502.52	5	158.05	5	5		5		5
1/4	2,211.33	1/4	1,872.59	1/4	1,528.29	1/4	1,183.82	1/4	839.74	1/4	495.34	1/4	150.88	1/4	1/4		1/4		1/4
1/2	2,204.15	1/2	1,865.45	1/2	1,521.11	1/2	1,176.64	1/2	832.58	1/2	488.16	1/2	143.70	1/2	1/2		1/2		1/2
3/4	2,196.98	3/4	1,858.31	3/4	1,513.94	3/4	1,169.47	3/4	825.41	3/4	480.99	3/4	136.53	3/4	3/4		3/4		3/4
6	2,189.80	6	1,851.17	6	1,506.76	6	1,162.29	6	818.25	6	473.81	6	129.35	6	6		6		6
1/4	2,182.63	1/4	1,844.03	1/4	1,499.58	1/4	1,155.11	1/4	811.09	1/4	466.63	1/4	122.17	1/4	1/4		1/4		1/4
1/2	2,175.45	1/2	1,836.86	1/2	1,492.41	1/2	1,147.94	1/2	803.91	1/2	459.46	1/2	115.01	1/2	1/2		1/2		1/2
3/4	2,168.28	3/4	1,829.69	3/4	1,485.23	3/4	1,140.76	3/4	796.74	3/4	452.28	3/4	107.84	3/4	3/4		3/4		3/4
7	2,161.10	7	1,822.52	7	1,478.06	7	1,133.58	7	789.56	7	445.10	7	100.67	7	7		7		7
1/4	2,153.93	1/4	1,815.35	1/4	1,470.88	1/4	1,126.41	1/4	782.39	1/4	437.93	1/4	93.50	1/4	1/4		1/4		1/4
1/2	2,146.75	1/2	1,808.17	1/2	1,463.70	1/2	1,119.23	1/2	775.21	1/2	430.75	1/2	86.35	1/2	1/2		1/2		1/2
3/4	2,139.58	3/4	1,801.00	3/4	1,456.53	3/4	1,112.05	3/4	768.04	3/4	423.58	3/4	79.21	3/4	3/4		3/4		3/4
8	2,132.40	8	1,793.82	8	1,449.35	8	1,104.88	8	760.86	8	416.40	8	72.06	8	8		8		8
1/4	2,125.23	1/4	1,786.64	1/4	1,442.17	1/4	1,097.70	1/4	753.69	1/4	409.22	1/4	64.91	1/4	1/4		1/4		1/4
1/2	2,118.05	1/2	1,779.47	1/2	1,435.00	1/2	1,090.53	1/2	746.51	1/2	402.05	1/2	58.42	1/2	1/2		1/2		1/2
3/4	2,110.88	3/4	1,772.29	3/4	1,427.82	3/4	1,083.36	3/4	739.33	3/4	394.87	3/4	51.92	3/4	3/4		3/4		3/4
9	2,103.70	9	1,765.12	9	1,420.64	9	1,076.18	9	732.16	9	387.69	9	45.43	9	9		9		9
1/4	2,096.53	1/4	1,757.94	1/4	1,413.47	1/4	1,069.01	1/4	724.98	1/4	380.52	1/4	38.94	1/4	1/4		1/4		1/4
1/2	2,089.35	1/2	1,750.76	1/2	1,406.29	1/2	1,061.84	1/2	717.80	1/2	373.34	1/2	34.00	1/2	1/2		1/2		1/2
3/4	2,082.18	3/4	1,743.59	3/4	1,399.11	3/4	1,054.67	3/4	710.63	3/4	366.17	3/4	29.07	3/4	3/4		3/4		3/4
10	2,075.00	10	1,736.41	10	1,391.94	10	1,047.50	10	703.45	10	358.99	10	24.14	10	10		10		10
1/4	2,067.83	1/4	1,729.23	1/4	1,384.76	1/4	1,040.33	1/4	696.28	1/4	351.81	1/4	19.20	1/4	1/4		1/4		1/4
1/2	2,060.65	1/2	1,722.06	1/2	1,377.58	1/2	1,033.16	1/2	689.10	1/2	344.64	1/2		1/2	1/2		1/2		1/2
3/4	2,053.48	3/4	1,714.88	3/4	1,370.41	3/4	1,026.00	3/4	681.92	3/4	337.46	3/4		3/4	3/4		3/4		3/4
11	2,046.30	11	1,707.70	11	1,363.23	11	1,018.83	11	674.75	11	330.28	11		11	11		11		11
1/4	2,039.13	1/4	1,700.53	1/4	1,356.05	1/4	1,011.67	1/4	667.57	1/4	323.11	1/4		1/4	1/4		1/4		1/4
1/2	2,031.95	1/2	1,693.35	1/2	1,348.88	1/2	1,004.50	1/2	660.39	1/2	315.93	1/2		1/2	1/2		1/2		1/2
3/4	2,024.78	3/4	1,686.17	3/4	1,341.70	3/4	997.34	3/4	653.22	3/4	308.76	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2014 PMA
RECALCULATED: 11/06/2019 PMA
NAME CHANGE: 11/06/2019

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2019

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



BARGE "KIRBY 27737"

3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 334"

GAUGE HEIGHT 16'-09"

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	4,332.29	0	4,157.11	0	3,970.10	0	3,774.90	0	3,533.98	0	3,171.15	0	2,807.65
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,328.75	1/4	4,153.32	1/4	3,966.07	1/4	3,770.83	1/4	3,526.43	1/4	3,163.58	1/4	2,800.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,325.22	1/2	4,149.53	1/2	3,962.04	1/2	3,766.76	1/2	3,518.88	1/2	3,156.01	1/2	2,792.50
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,321.68	3/4	4,145.75	3/4	3,958.02	3/4	3,762.68	3/4	3,511.33	3/4	3,148.44	3/4	2,784.93
1		1		1		1	4,318.14	1	4,141.96	1	3,953.99	1	3,758.61	1	3,503.78	1	3,140.87	1	2,777.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,314.59	1/4	4,138.15	1/4	3,949.95	1/4	3,754.53	1/4	3,496.23	1/4	3,133.30	1/4	2,769.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,311.03	1/2	4,134.35	1/2	3,945.90	1/2	3,750.46	1/2	3,488.68	1/2	3,125.72	1/2	2,762.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,307.48	3/4	4,130.54	3/4	3,941.86	3/4	3,746.39	3/4	3,481.13	3/4	3,118.15	3/4	2,754.63
2		2		2		2	4,303.93	2	4,126.74	2	3,937.81	2	3,742.31	2	3,473.57	2	3,110.58	2	2,747.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,300.35	1/4	4,122.91	1/4	3,933.75	1/4	3,738.24	1/4	3,466.02	1/4	3,103.01	1/4	2,739.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,296.78	1/2	4,119.09	1/2	3,929.69	1/2	3,734.16	1/2	3,458.47	1/2	3,095.44	1/2	2,731.91
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,293.20	3/4	4,115.27	3/4	3,925.62	3/4	3,730.09	3/4	3,450.92	3/4	3,087.87	3/4	2,724.34
3		3		3		3	4,289.63	3	4,111.44	3	3,921.56	3	3,726.02	3	3,443.37	3	3,080.30	3	2,716.76
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,286.04	1/4	4,107.60	1/4	3,917.49	1/4	3,721.94	1/4	3,435.82	1/4	3,072.72	1/4	2,709.19
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,282.44	1/2	4,103.76	1/2	3,913.42	1/2	3,717.87	1/2	3,428.27	1/2	3,065.15	1/2	2,701.61
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,278.85	3/4	4,099.92	3/4	3,909.34	3/4	3,713.79	3/4	3,420.72	3/4	3,057.58	3/4	2,694.04
4		4		4		4	4,275.26	4	4,096.08	4	3,905.27	4	3,709.72	4	3,413.17	4	3,050.01	4	2,686.47
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,271.65	1/4	4,092.22	1/4	3,901.20	1/4	3,705.65	1/4	3,405.62	1/4	3,042.44	1/4	2,678.89
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,268.03	1/2	4,088.36	1/2	3,897.12	1/2	3,701.57	1/2	3,398.07	1/2	3,034.87	1/2	2,671.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,264.42	3/4	4,084.50	3/4	3,893.05	3/4	3,697.50	3/4	3,390.52	3/4	3,027.30	3/4	2,663.74
5		5		5		5	4,260.81	5	4,080.64	5	3,888.98	5	3,693.42	5	3,382.97	5	3,019.72	5	2,656.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,257.18	1/4	4,076.76	1/4	3,884.90	1/4	3,689.35	1/4	3,375.42	1/4	3,012.15	1/4	2,648.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,253.55	1/2	4,072.88	1/2	3,880.83	1/2	3,685.28	1/2	3,367.86	1/2	3,004.58	1/2	2,641.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,249.92	3/4	4,069.00	3/4	3,876.75	3/4	3,681.20	3/4	3,360.31	3/4	2,997.00	3/4	2,633.43
6		6		6	4,422.29	6	4,246.29	6	4,065.12	6	3,872.68	6	3,677.13	6	3,352.76	6	2,989.43	6	2,625.85
1/4	1/4	1/4	1/4	1/4	4,419.39	1/4	4,242.65	1/4	4,061.21	1/4	3,868.61	1/4	3,673.05	1/4	3,345.21	1/4	2,981.86	1/4	2,618.27
1/2	1/2	1/2	1/2	1/2	4,416.50	1/2	4,239.00	1/2	4,057.30	1/2	3,864.53	1/2	3,668.98	1/2	3,337.66	1/2	2,974.28	1/2	2,610.69
3/4	3/4	3/4	3/4	3/4	4,413.60	3/4	4,235.35	3/4	4,053.39	3/4	3,860.46	3/4	3,664.91	3/4	3,330.11	3/4	2,966.71	3/4	2,603.11
7		7		7	4,410.70	7	4,231.70	7	4,049.48	7	3,856.38	7	3,660.83	7	3,322.56	7	2,959.13	7	2,595.53
1/4	1/4	1/4	1/4	1/4	4,406.86	1/4	4,228.02	1/4	4,045.54	1/4	3,852.31	1/4	3,656.76	1/4	3,314.99	1/4	2,951.56	1/4	2,587.94
1/2	1/2	1/2	1/2	1/2	4,403.01	1/2	4,224.33	1/2	4,041.61	1/2	3,848.24	1/2	3,652.68	1/2	3,307.43	1/2	2,943.99	1/2	2,580.36
3/4	3/4	3/4	3/4	3/4	4,399.16	3/4	4,220.65	3/4	4,037.68	3/4	3,844.16	3/4	3,648.61	3/4	3,299.86	3/4	2,936.41	3/4	2,572.78
8		8		8	4,395.32	8	4,216.96	8	4,033.75	8	3,840.09	8	3,644.54	8	3,292.29	8	2,928.84	8	2,565.20
1/4	1/4	1/4	1/4	1/4	4,391.28	1/4	4,213.25	1/4	4,029.80	1/4	3,836.01	1/4	3,639.14	1/4	3,284.72	1/4	2,921.26	1/4	2,557.62
1/2	1/2	1/2	1/2	1/2	4,387.25	1/2	4,209.54	1/2	4,025.85	1/2	3,831.94	1/2	3,633.75	1/2	3,277.15	1/2	2,913.69	1/2	2,550.04
3/4	3/4	3/4	3/4	3/4	4,383.21	3/4	4,205.83	3/4	4,021.90	3/4	3,827.87	3/4	3,628.36	3/4	3,269.58	3/4	2,906.11	3/4	2,542.46
9		9		9	4,379.18	9	4,202.12	9	4,017.95	9	3,823.79	9	3,622.96	9	3,262.01	9	2,898.54	9	2,534.88
1/4	1/4	1/4	1/4	1/4	4,375.14	1/4	4,198.39	1/4	4,013.98	1/4	3,819.72	1/4	3,615.83	1/4	3,254.44	1/4	2,890.97	1/4	2,527.32
1/2	1/2	1/2	1/2	1/2	4,371.11	1/2	4,194.65	1/2	4,010.01	1/2	3,815.64	1/2	3,608.70	1/2	3,246.87	1/2	2,883.39	1/2	2,519.77
3/4	3/4	3/4	3/4	3/4	4,367.07	3/4	4,190.92	3/4	4,006.04	3/4	3,811.57	3/4	3,601.57	3/4	3,239.29	3/4	2,875.82	3/4	2,512.22
10		10		10	4,363.04	10	4,187.19	10	4,002.07	10	3,807.50	10	3,594.44	10	3,231.72	10	2,868.24	10	2,504.66
1/4	1/4	1/4	1/4	1/4	4,359.00	1/4	4,183.44	1/4	3,998.09	1/4	3,803.42	1/4	3,586.88	1/4	3,224.15	1/4	2,860.67	1/4	2,497.12
1/2	1/2	1/2	1/2	1/2	4,354.97	1/2	4,179.69	1/2	3,994.10	1/2	3,799.35	1/2	3,579.32	1/2	3,216.58	1/2	2,853.10	1/2	2,489.58
3/4	3/4	3/4	3/4	3/4	4,350.93	3/4	4,175.94	3/4	3,990.11	3/4	3,795.27	3/4	3,571.76	3/4	3,209.01	3/4	2,845.52	3/4	2,482.03
11		11		11	4,346.90	11	4,172.18	11	3,986.13	11	3,791.20	11	3,564.19	11	3,201.44	11	2,837.95	11	2,474.49
1/4	1/4	1/4	1/4	1/4	4,343.25	1/4	4,168.42	1/4	3,982.12	1/4	3,787.13	1/4	3,556.64	1/4	3,193.87	1/4	2,830.37	1/4	2,466.95
1/2	1/2	1/2	1/2	1/2	4,339.59	1/2	4,164.65	1/2	3,978.11	1/2	3,783.05	1/2	3,549.09	1/2	3,186.29	1/2	2,822.80	1/2	2,459.41
3/4	3/4	3/4	3/4	3/4	4,335.94	3/4	4,160.88	3/4	3,974.11	3/4	3,778.98	3/4	3,541.53	3/4	3,178.72	3/4	2,815.23	3/4	2,451.86

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 27737"

3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 334"

GAUGE HEIGHT 16'-09"

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	2,444.32	0	2,082.92	0	1,726.44	0	1,362.46	0	1,004.47	0	645.21	0	281.06	0		0		0	
1/4	2,436.78	1/4	2,075.94	1/4	1,718.86	1/4	1,354.88	1/4	997.12	1/4	637.62	1/4	273.48	1/4	1/4		1/4		1/4
1/2	2,429.23	1/2	2,068.96	1/2	1,711.28	1/2	1,347.30	1/2	989.77	1/2	630.03	1/2	265.89	1/2	1/2		1/2		1/2
3/4	2,421.69	3/4	2,061.98	3/4	1,703.70	3/4	1,339.72	3/4	982.41	3/4	622.44	3/4	258.30	3/4	3/4		3/4		3/4
1	2,414.15	1	2,055.00	1	1,696.11	1	1,332.13	1	975.06	1	614.86	1	250.72	1	1		1		1
1/4	2,406.61	1/4	2,048.20	1/4	1,688.53	1/4	1,324.55	1/4	967.71	1/4	607.27	1/4	243.13	1/4	1/4		1/4		1/4
1/2	2,399.06	1/2	2,041.40	1/2	1,680.95	1/2	1,316.97	1/2	960.35	1/2	599.68	1/2	235.55	1/2	1/2		1/2		1/2
3/4	2,391.52	3/4	2,034.60	3/4	1,673.36	3/4	1,309.38	3/4	953.00	3/4	592.10	3/4	227.96	3/4	3/4		3/4		3/4
2	2,383.98	2	2,027.80	2	1,665.78	2	1,301.80	2	945.65	2	584.51	2	220.37	2	2		2		2
1/4	2,376.43	1/4	2,020.48	1/4	1,658.20	1/4	1,294.22	1/4	938.29	1/4	576.92	1/4	212.78	1/4	1/4		1/4		1/4
1/2	2,368.89	1/2	2,013.17	1/2	1,650.62	1/2	1,286.64	1/2	930.94	1/2	569.33	1/2	205.20	1/2	1/2		1/2		1/2
3/4	2,361.35	3/4	2,005.86	3/4	1,643.03	3/4	1,279.05	3/4	923.59	3/4	561.75	3/4	197.61	3/4	3/4		3/4		3/4
3	2,353.81	3	1,998.54	3	1,635.45	3	1,271.47	3	916.24	3	554.16	3	190.02	3	3		3		3
1/4	2,346.26	1/4	1,991.06	1/4	1,627.87	1/4	1,263.89	1/4	908.88	1/4	546.57	1/4	182.44	1/4	1/4		1/4		1/4
1/2	2,338.72	1/2	1,983.57	1/2	1,620.28	1/2	1,256.30	1/2	901.53	1/2	538.99	1/2	174.85	1/2	1/2		1/2		1/2
3/4	2,331.18	3/4	1,976.09	3/4	1,612.70	3/4	1,248.72	3/4	894.18	3/4	531.40	3/4	167.26	3/4	3/4		3/4		3/4
4	2,323.63	4	1,968.61	4	1,605.12	4	1,241.14	4	886.82	4	523.81	4	159.67	4	4		4		4
1/4	2,316.09	1/4	1,961.12	1/4	1,597.53	1/4	1,233.56	1/4	879.47	1/4	516.22	1/4	152.08	1/4	1/4		1/4		1/4
1/2	2,308.55	1/2	1,953.64	1/2	1,589.95	1/2	1,225.97	1/2	872.12	1/2	508.64	1/2	144.50	1/2	1/2		1/2		1/2
3/4	2,301.00	3/4	1,946.15	3/4	1,582.37	3/4	1,218.39	3/4	864.76	3/4	501.05	3/4	136.91	3/4	3/4		3/4		3/4
5	2,293.46	5	1,938.67	5	1,574.79	5	1,210.81	5	857.41	5	493.46	5	129.32	5	5		5		5
1/4	2,285.94	1/4	1,931.11	1/4	1,567.20	1/4	1,203.38	1/4	849.88	1/4	485.88	1/4	121.74	1/4	1/4		1/4		1/4
1/2	2,278.41	1/2	1,923.55	1/2	1,559.62	1/2	1,195.96	1/2	842.35	1/2	478.29	1/2	114.15	1/2	1/2		1/2		1/2
3/4	2,270.89	3/4	1,915.99	3/4	1,552.04	3/4	1,188.53	3/4	834.82	3/4	470.70	3/4	106.57	3/4	3/4		3/4		3/4
6	2,263.36	6	1,908.43	6	1,544.45	6	1,181.11	6	827.30	6	463.12	6	98.99	6	6		6		6
1/4	2,255.84	1/4	1,900.85	1/4	1,536.87	1/4	1,173.73	1/4	819.71	1/4	455.53	1/4	91.42	1/4	1/4		1/4		1/4
1/2	2,248.32	1/2	1,893.27	1/2	1,529.29	1/2	1,166.36	1/2	812.12	1/2	447.95	1/2	83.85	1/2	1/2		1/2		1/2
3/4	2,240.81	3/4	1,885.68	3/4	1,521.71	3/4	1,158.99	3/4	804.53	3/4	440.36	3/4	76.28	3/4	3/4		3/4		3/4
7	2,233.29	7	1,878.10	7	1,514.12	7	1,151.62	7	796.95	7	432.78	7	68.72	7	7		7		7
1/4	2,225.77	1/4	1,870.52	1/4	1,506.54	1/4	1,144.25	1/4	789.36	1/4	425.19	1/4	61.84	1/4	1/4		1/4		1/4
1/2	2,218.25	1/2	1,862.94	1/2	1,498.96	1/2	1,136.89	1/2	781.77	1/2	417.60	1/2	54.96	1/2	1/2		1/2		1/2
3/4	2,210.73	3/4	1,855.35	3/4	1,491.37	3/4	1,129.52	3/4	774.19	3/4	410.02	3/4	48.09	3/4	3/4		3/4		3/4
8	2,203.21	8	1,847.77	8	1,483.79	8	1,122.16	8	766.60	8	402.43	8	41.21	8	8		8		8
1/4	2,195.70	1/4	1,840.19	1/4	1,476.21	1/4	1,114.80	1/4	759.01	1/4	394.85	1/4	35.99	1/4	1/4		1/4		1/4
1/2	2,188.18	1/2	1,832.60	1/2	1,468.63	1/2	1,107.44	1/2	751.43	1/2	387.26	1/2	30.76	1/2	1/2		1/2		1/2
3/4	2,180.66	3/4	1,825.02	3/4	1,461.04	3/4	1,100.08	3/4	743.84	3/4	379.68	3/4	25.54	3/4	3/4		3/4		3/4
9	2,173.14	9	1,817.44	9	1,453.46	9	1,092.72	9	736.25	9	372.09	9	20.31	9	9		9		9
1/4	2,165.62	1/4	1,809.86	1/4	1,445.88	1/4	1,085.36	1/4	728.66	1/4	364.50	1/4		1/4	1/4		1/4		1/4
1/2	2,158.10	1/2	1,802.27	1/2	1,438.29	1/2	1,078.01	1/2	721.08	1/2	356.92	1/2		1/2	1/2		1/2		1/2
3/4	2,150.58	3/4	1,794.69	3/4	1,430.71	3/4	1,070.65	3/4	713.49	3/4	349.33	3/4		3/4	3/4		3/4		3/4
10	2,143.07	10	1,787.11	10	1,423.13	10	1,063.30	10	705.90	10	341.75	10		10	10		10		10
1/4	2,135.55	1/4	1,779.52	1/4	1,415.55	1/4	1,055.95	1/4	698.32	1/4	334.16	1/4		1/4	1/4		1/4		1/4
1/2	2,128.03	1/2	1,771.94	1/2	1,407.96	1/2	1,048.59	1/2	690.73	1/2	326.58	1/2		1/2	1/2		1/2		1/2
3/4	2,120.51	3/4	1,764.36	3/4	1,400.38	3/4	1,041.24	3/4	683.14	3/4	318.99	3/4		3/4	3/4		3/4		3/4
11	2,112.99	11	1,756.78	11	1,392.80	11	1,033.89	11	675.55	11	311.40	11		11	11		11		11
1/4	2,105.47	1/4	1,749.19	1/4	1,385.21	1/4	1,026.53	1/4	667.97	1/4	303.82	1/4		1/4	1/4		1/4		1/4
1/2	2,097.95	1/2	1,741.61	1/2	1,377.63	1/2	1,019.18	1/2	660.38	1/2	296.23	1/2		1/2	1/2		1/2		1/2
3/4	2,090.44	3/4	1,734.03	3/4	1,370.05	3/4	1,011.83	3/4	652.79	3/4	288.65	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2014 PMA
RECALCULATED: 11/06/2019 PMA
NAME CHANGE: 11/06/2019

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 27737"

3 STBD

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 334"

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	4,357.44	0	4,182.79	0	3,996.56	0	3,801.80	0	3,568.06	0	3,204.75	0	2,840.73
1/4		1/4		1/4		1/4	4,353.79	1/4	4,179.03	1/4	3,992.56	1/4	3,797.73	1/4	3,560.50	1/4	3,197.17	1/4	2,833.15
1/2		1/2		1/2		1/2	4,350.15	1/2	4,175.27	1/2	3,988.56	1/2	3,793.66	1/2	3,552.94	1/2	3,189.59	1/2	2,825.56
3/4		3/4		3/4		3/4	4,346.62	3/4	4,171.49	3/4	3,984.54	3/4	3,789.59	3/4	3,545.38	3/4	3,182.01	3/4	2,817.98
1		1		1		1	4,343.09	1	4,167.71	1	3,980.52	1	3,785.53	1	3,537.82	1	3,174.42	1	2,810.39
1/4		1/4		1/4		1/4	4,339.55	1/4	4,163.92	1/4	3,976.50	1/4	3,781.46	1/4	3,530.26	1/4	3,166.84	1/4	2,802.81
1/2		1/2		1/2		1/2	4,336.02	1/2	4,160.14	1/2	3,972.48	1/2	3,777.39	1/2	3,522.69	1/2	3,159.26	1/2	2,795.22
3/4		3/4		3/4		3/4	4,332.48	3/4	4,156.35	3/4	3,968.44	3/4	3,773.32	3/4	3,515.13	3/4	3,151.68	3/4	2,787.64
2		2		2		2	4,328.93	2	4,152.55	2	3,964.40	2	3,769.26	2	3,507.57	2	3,144.10	2	2,780.05
1/4		1/4		1/4		1/4	4,325.38	1/4	4,148.75	1/4	3,960.36	1/4	3,765.19	1/4	3,500.01	1/4	3,136.51	1/4	2,772.47
1/2		1/2		1/2		1/2	4,321.83	1/2	4,144.95	1/2	3,956.32	1/2	3,761.12	1/2	3,492.45	1/2	3,128.93	1/2	2,764.88
3/4		3/4		3/4		3/4	4,318.27	3/4	4,141.13	3/4	3,952.27	3/4	3,757.05	3/4	3,484.89	3/4	3,121.35	3/4	2,757.30
3		3		3		3	4,314.70	3	4,137.31	3	3,948.21	3	3,752.98	3	3,477.32	3	3,113.77	3	2,749.71
1/4		1/4		1/4		1/4	4,311.13	1/4	4,133.50	1/4	3,944.15	1/4	3,748.92	1/4	3,469.76	1/4	3,106.18	1/4	2,742.13
1/2		1/2		1/2		1/2	4,307.56	1/2	4,129.68	1/2	3,940.10	1/2	3,744.85	1/2	3,462.20	1/2	3,098.60	1/2	2,734.54
3/4		3/4		3/4		3/4	4,303.98	3/4	4,125.85	3/4	3,936.03	3/4	3,740.78	3/4	3,454.64	3/4	3,091.02	3/4	2,726.96
4		4		4		4	4,300.39	4	4,122.01	4	3,931.96	4	3,736.71	4	3,447.08	4	3,083.44	4	2,719.37
1/4		1/4		1/4		1/4	4,296.80	1/4	4,118.18	1/4	3,927.89	1/4	3,732.65	1/4	3,439.52	1/4	3,075.85	1/4	2,711.79
1/2		1/2		1/2		1/2	4,293.22	1/2	4,114.34	1/2	3,923.83	1/2	3,728.58	1/2	3,431.96	1/2	3,068.27	1/2	2,704.20
3/4		3/4		3/4		3/4	4,289.61	3/4	4,110.49	3/4	3,919.76	3/4	3,724.51	3/4	3,424.39	3/4	3,060.69	3/4	2,696.62
5		5		5		5	4,286.01	5	4,106.63	5	3,915.69	5	3,720.44	5	3,416.83	5	3,053.11	5	2,689.03
1/4		1/4		1/4		1/4	4,282.40	1/4	4,102.78	1/4	3,911.62	1/4	3,716.38	1/4	3,409.27	1/4	3,045.53	1/4	2,681.45
1/2		1/2		1/2		1/2	4,278.79	1/2	4,098.93	1/2	3,907.56	1/2	3,712.31	1/2	3,401.71	1/2	3,037.94	1/2	2,673.86
3/4		3/4		3/4		3/4	4,275.17	3/4	4,095.05	3/4	3,903.49	3/4	3,708.24	3/4	3,394.15	3/4	3,030.36	3/4	2,666.27
6		6		6		6	4,271.55	6	4,091.18	6	3,899.42	6	3,704.17	6	3,386.59	6	3,022.77	6	2,658.68
1/4		1/4		1/4		1/4	4,267.93	1/4	4,087.30	1/4	3,895.35	1/4	3,700.10	1/4	3,379.02	1/4	3,015.19	1/4	2,651.09
1/2		1/2		1/2	4,439.99	1/2	4,264.30	1/2	4,083.43	1/2	3,891.29	1/2	3,696.04	1/2	3,371.46	1/2	3,007.60	1/2	2,643.50
3/4		3/4		3/4	4,437.10	3/4	4,260.66	3/4	4,079.53	3/4	3,887.22	3/4	3,691.97	3/4	3,363.90	3/4	3,000.02	3/4	2,635.91
7		7		7	4,434.21	7	4,257.02	7	4,075.62	7	3,883.15	7	3,687.90	7	3,356.34	7	2,992.43	7	2,628.32
1/4		1/4		1/4	4,431.32	1/4	4,253.38	1/4	4,071.72	1/4	3,879.08	1/4	3,683.83	1/4	3,348.78	1/4	2,984.85	1/4	2,620.73
1/2		1/2		1/2	4,428.43	1/2	4,249.74	1/2	4,067.81	1/2	3,875.02	1/2	3,679.77	1/2	3,341.22	1/2	2,977.26	1/2	2,613.13
3/4		3/4		3/4	4,424.59	3/4	4,246.06	3/4	4,063.89	3/4	3,870.95	3/4	3,675.70	3/4	3,333.64	3/4	2,969.68	3/4	2,605.54
8		8		8	4,420.75	8	4,242.38	8	4,059.96	8	3,866.88	8	3,671.63	8	3,326.06	8	2,962.09	8	2,597.95
1/4		1/4		1/4	4,416.91	1/4	4,238.70	1/4	4,056.03	1/4	3,862.81	1/4	3,667.56	1/4	3,318.48	1/4	2,954.51	1/4	2,590.36
1/2		1/2		1/2	4,413.07	1/2	4,235.02	1/2	4,052.11	1/2	3,858.74	1/2	3,663.50	1/2	3,310.91	1/2	2,946.92	1/2	2,582.77
3/4		3/4		3/4	4,409.04	3/4	4,231.32	3/4	4,048.16	3/4	3,854.68	3/4	3,658.11	3/4	3,303.32	3/4	2,939.34	3/4	2,575.17
9		9		9	4,405.02	9	4,227.61	9	4,044.22	9	3,850.61	9	3,652.72	9	3,295.74	9	2,931.75	9	2,567.58
1/4		1/4		1/4	4,400.99	1/4	4,223.91	1/4	4,040.28	1/4	3,846.54	1/4	3,647.33	1/4	3,288.16	1/4	2,924.17	1/4	2,559.99
1/2		1/2		1/2	4,396.96	1/2	4,220.20	1/2	4,036.33	1/2	3,842.47	1/2	3,641.95	1/2	3,280.58	1/2	2,916.58	1/2	2,552.40
3/4		3/4		3/4	4,392.93	3/4	4,216.48	3/4	4,032.37	3/4	3,838.41	3/4	3,634.82	3/4	3,272.99	3/4	2,909.00	3/4	2,544.80
10		10		10	4,388.90	10	4,212.75	10	4,028.41	10	3,834.34	10	3,627.69	10	3,265.41	10	2,901.41	10	2,537.21
1/4		1/4		1/4	4,384.87	1/4	4,209.03	1/4	4,024.45	1/4	3,830.27	1/4	3,620.56	1/4	3,257.83	1/4	2,893.83	1/4	2,529.62
1/2		1/2		1/2	4,380.84	1/2	4,205.30	1/2	4,020.48	1/2	3,826.20	1/2	3,613.43	1/2	3,250.25	1/2	2,886.24	1/2	2,522.03
3/4		3/4		3/4	4,376.82	3/4	4,201.55	3/4	4,016.50	3/4	3,822.14	3/4	3,605.87	3/4	3,242.66	3/4	2,878.66	3/4	2,514.43
11		11		11	4,372.79	11	4,197.81	11	4,012.52	11	3,818.07	11	3,598.31	11	3,235.08	11	2,871.07	11	2,506.84
1/4		1/4		1/4	4,368.76	1/4	4,194.06	1/4	4,008.54	1/4	3,814.00	1/4	3,590.75	1/4	3,227.50	1/4	2,863.49	1/4	2,499.25
1/2		1/2		1/2	4,364.73	1/2	4,190.32	1/2	4,004.56	1/2	3,809.93	1/2	3,583.19	1/2	3,219.92	1/2	2,855.90	1/2	2,491.66
3/4		3/4		3/4	4,361.08	3/4	4,186.56	3/4	4,000.56	3/4	3,805.86	3/4	3,575.63	3/4	3,212.34	3/4	2,848.32	3/4	2,484.07

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 27737"

3 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 334"

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	2,476.47	0	2,112.04	0	1,753.73	0	1,389.23	0	1,024.94	0	660.80	0	296.31	0		0		0	
1/4	2,468.88	1/4	2,104.45	1/4	1,746.14	1/4	1,381.64	1/4	1,017.36	1/4	653.20	1/4	288.71	1/4	1/4		1/4		1/4
1/2	2,461.29	1/2	2,096.86	1/2	1,738.54	1/2	1,374.05	1/2	1,009.78	1/2	645.61	1/2	281.12	1/2	1/2		1/2		1/2
3/4	2,453.70	3/4	2,089.81	3/4	1,730.95	3/4	1,366.45	3/4	1,002.20	3/4	638.02	3/4	273.53	3/4	3/4		3/4		3/4
1	2,446.10	1	2,082.75	1	1,723.36	1	1,358.86	1	994.62	1	630.42	1	265.93	1	1		1		1
1/4	2,438.51	1/4	2,075.70	1/4	1,715.76	1/4	1,351.27	1/4	987.04	1/4	622.83	1/4	258.34	1/4	1/4		1/4		1/4
1/2	2,430.92	1/2	2,068.64	1/2	1,708.17	1/2	1,343.67	1/2	979.47	1/2	615.23	1/2	250.75	1/2	1/2		1/2		1/2
3/4	2,423.33	3/4	2,061.77	3/4	1,700.58	3/4	1,336.08	3/4	971.89	3/4	607.64	3/4	243.15	3/4	3/4		3/4		3/4
2	2,415.74	2	2,054.90	2	1,692.98	2	1,328.49	2	964.31	2	600.05	2	235.56	2	2		2		2
1/4	2,408.14	1/4	2,048.02	1/4	1,685.39	1/4	1,320.89	1/4	956.73	1/4	592.45	1/4	227.97	1/4	1/4		1/4		1/4
1/2	2,400.55	1/2	2,041.15	1/2	1,677.80	1/2	1,313.30	1/2	949.15	1/2	584.86	1/2	220.37	1/2	1/2		1/2		1/2
3/4	2,392.96	3/4	2,033.76	3/4	1,670.20	3/4	1,305.70	3/4	941.57	3/4	577.27	3/4	212.78	3/4	3/4		3/4		3/4
3	2,385.37	3	2,026.38	3	1,662.61	3	1,298.11	3	934.00	3	569.67	3	205.19	3	3		3		3
1/4	2,377.77	1/4	2,018.99	1/4	1,655.01	1/4	1,290.52	1/4	926.42	1/4	562.08	1/4	197.59	1/4	1/4		1/4		1/4
1/2	2,370.18	1/2	2,011.60	1/2	1,647.42	1/2	1,282.92	1/2	918.84	1/2	554.49	1/2	190.00	1/2	1/2		1/2		1/2
3/4	2,362.59	3/4	2,004.04	3/4	1,639.83	3/4	1,275.33	3/4	911.26	3/4	546.89	3/4	182.41	3/4	3/4		3/4		3/4
4	2,355.00	4	1,996.48	4	1,632.23	4	1,267.74	4	903.68	4	539.30	4	174.81	4	4		4		4
1/4	2,347.40	1/4	1,988.93	1/4	1,624.64	1/4	1,260.14	1/4	896.10	1/4	531.71	1/4	167.22	1/4	1/4		1/4		1/4
1/2	2,339.81	1/2	1,981.37	1/2	1,617.05	1/2	1,252.55	1/2	888.53	1/2	524.11	1/2	159.62	1/2	1/2		1/2		1/2
3/4	2,332.22	3/4	1,973.81	3/4	1,609.45	3/4	1,244.95	3/4	880.95	3/4	516.52	3/4	152.03	3/4	3/4		3/4		3/4
5	2,324.63	5	1,966.25	5	1,601.86	5	1,237.36	5	873.37	5	508.93	5	144.44	5	5		5		5
1/4	2,317.04	1/4	1,958.69	1/4	1,594.26	1/4	1,229.77	1/4	865.79	1/4	501.33	1/4	136.85	1/4	1/4		1/4		1/4
1/2	2,309.44	1/2	1,951.14	1/2	1,586.67	1/2	1,222.17	1/2	858.21	1/2	493.74	1/2	129.25	1/2	1/2		1/2		1/2
3/4	2,301.85	3/4	1,943.55	3/4	1,579.08	3/4	1,214.58	3/4	850.62	3/4	486.15	3/4	121.67	3/4	3/4		3/4		3/4
6	2,294.26	6	1,935.96	6	1,571.48	6	1,206.99	6	843.03	6	478.55	6	114.08	6	6		6		6
1/4	2,286.67	1/4	1,928.38	1/4	1,563.89	1/4	1,199.39	1/4	835.44	1/4	470.96	1/4	106.50	1/4	1/4		1/4		1/4
1/2	2,279.07	1/2	1,920.79	1/2	1,556.30	1/2	1,191.80	1/2	827.85	1/2	463.36	1/2	98.91	1/2	1/2		1/2		1/2
3/4	2,271.48	3/4	1,913.20	3/4	1,548.70	3/4	1,184.20	3/4	820.26	3/4	455.77	3/4	91.35	3/4	3/4		3/4		3/4
7	2,263.89	7	1,905.61	7	1,541.11	7	1,176.61	7	812.67	7	448.18	7	83.79	7	7		7		7
1/4	2,256.30	1/4	1,898.01	1/4	1,533.51	1/4	1,169.02	1/4	805.07	1/4	440.58	1/4	76.23	1/4	1/4		1/4		1/4
1/2	2,248.70	1/2	1,890.42	1/2	1,525.92	1/2	1,161.42	1/2	797.48	1/2	432.99	1/2	68.66	1/2	1/2		1/2		1/2
3/4	2,241.11	3/4	1,882.83	3/4	1,518.33	3/4	1,153.84	3/4	789.89	3/4	425.40	3/4	61.79	3/4	3/4		3/4		3/4
8	2,233.52	8	1,875.23	8	1,510.73	8	1,146.25	8	782.29	8	417.80	8	54.92	8	8		8		8
1/4	2,225.93	1/4	1,867.64	1/4	1,503.14	1/4	1,138.66	1/4	774.70	1/4	410.21	1/4	48.05	1/4	1/4		1/4		1/4
1/2	2,218.34	1/2	1,860.04	1/2	1,495.55	1/2	1,131.07	1/2	767.10	1/2	402.62	1/2	41.18	1/2	1/2		1/2		1/2
3/4	2,210.74	3/4	1,852.45	3/4	1,487.95	3/4	1,123.49	3/4	759.51	3/4	395.02	3/4	35.96	3/4	3/4		3/4		3/4
9	2,203.15	9	1,844.86	9	1,480.36	9	1,115.90	9	751.92	9	387.43	9	30.74	9	9		9		9
1/4	2,195.56	1/4	1,837.26	1/4	1,472.77	1/4	1,108.32	1/4	744.32	1/4	379.84	1/4	25.52	1/4	1/4		1/4		1/4
1/2	2,187.97	1/2	1,829.67	1/2	1,465.17	1/2	1,100.73	1/2	736.73	1/2	372.24	1/2	20.30	1/2	1/2		1/2		1/2
3/4	2,180.37	3/4	1,822.08	3/4	1,457.58	3/4	1,093.15	3/4	729.14	3/4	364.65	3/4		3/4	3/4		3/4		3/4
10	2,172.78	10	1,814.48	10	1,449.98	10	1,085.57	10	721.54	10	357.06	10		10	10		10		10
1/4	2,165.19	1/4	1,806.89	1/4	1,442.39	1/4	1,077.99	1/4	713.95	1/4	349.46	1/4		1/4	1/4		1/4		1/4
1/2	2,157.60	1/2	1,799.29	1/2	1,434.80	1/2	1,070.41	1/2	706.36	1/2	341.87	1/2		1/2	1/2		1/2		1/2
3/4	2,150.00	3/4	1,791.70	3/4	1,427.20	3/4	1,062.83	3/4	698.76	3/4	334.28	3/4		3/4	3/4		3/4		3/4
11	2,142.41	11	1,784.11	11	1,419.61	11	1,055.25	11	691.17	11	326.68	11		11	11		11		11
1/4	2,134.82	1/4	1,776.51	1/4	1,412.02	1/4	1,047.67	1/4	683.58	1/4	319.09	1/4		1/4	1/4		1/4		1/4
1/2	2,127.23	1/2	1,768.92	1/2	1,404.42	1/2	1,040.09	1/2	675.98	1/2	311.49	1/2		1/2	1/2		1/2		1/2
3/4	2,119.64	3/4	1,761.33	3/4	1,396.83	3/4	1,032.52	3/4	668.39	3/4	303.90	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2014 PMA
RECALCULATED: 11/06/2019 PMA
NAME CHANGE: 11/06/2019

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 27737"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "CTCO 334"

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
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: 08/18/14 PMA
CALCULATED: 11/06/2019 PMA
NAME CHANGE: 11/05/2019

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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