



# BARGE "KIRBY 10547"

## ULLAGE TRIM TABLE

	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 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4	00-7/8	- 00-7/8
2 CENTER	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	00-1/2	- 00-1/2
3 CENTER	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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 163'-06"

August 8, 2012

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

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# BARGE "KIRBY 10547"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	3,759.76	0	3,530.62	0	3,277.89	0	3,025.16	0	2,763.23	0	2,467.77	0	2,171.68		
1/4		1/4		1/4		1/4	3,758.73	1/4	3,525.36	1/4	3,272.63	1/4	3,019.90	1/4	2,757.08	1/4	2,461.60	1/4	2,165.51		
1/2		1/2		1/2		1/2	3,757.70	1/2	3,520.09	1/2	3,267.36	1/2	3,014.63	1/2	2,750.93	1/2	2,455.43	1/2	2,159.34		
3/4		3/4		3/4		3/4	3,754.60	3/4	3,514.83	3/4	3,262.10	3/4	3,009.37	3/4	2,744.78	3/4	2,449.27	3/4	2,153.17		
1		1		1		1	3,751.51	1	3,509.56	1	3,258.83	1	3,004.10	1	2,738.63	1	2,443.10	1	2,147.00		
1/4		1/4		1/4		1/4	3,748.41	1/4	3,504.30	1/4	3,251.57	1/4	2,998.84	1/4	2,732.48	1/4	2,436.93	1/4	2,140.84		
1/2		1/2		1/2		1/2	3,745.31	1/2	3,499.03	1/2	3,246.30	1/2	2,993.57	1/2	2,726.33	1/2	2,430.76	1/2	2,134.67		
3/4		3/4		3/4		3/4	3,741.17	3/4	3,493.77	3/4	3,241.04	3/4	2,988.31	3/4	2,720.18	3/4	2,424.59	3/4	2,128.50		
2		2		2		2	3,737.02	2	3,488.50	2	3,235.77	2	2,983.04	2	2,714.03	2	2,418.42	2	2,122.33		
1/4		1/4		1/4		1/4	3,732.87	1/4	3,483.24	1/4	3,230.51	1/4	2,977.78	1/4	2,707.88	1/4	2,412.25	1/4	2,116.16		
1/2		1/2		1/2		1/2	3,728.73	1/2	3,477.97	1/2	3,225.24	1/2	2,972.51	1/2	2,701.73	1/2	2,406.09	1/2	2,109.99		
3/4		3/4		3/4		3/4	3,723.60	3/4	3,472.71	3/4	3,219.98	3/4	2,967.25	3/4	2,695.58	3/4	2,399.92	3/4	2,103.82		
3		3		3		3	3,718.47	3	3,467.44	3	3,214.71	3	2,961.98	3	2,689.43	3	2,393.75	3	2,097.66		
1/4		1/4		1/4		1/4	3,713.33	1/4	3,462.17	1/4	3,209.45	1/4	2,956.72	1/4	2,683.28	1/4	2,387.58	1/4	2,091.49		
1/2		1/2		1/2		1/2	3,708.20	1/2	3,456.91	1/2	3,204.18	1/2	2,951.45	1/2	2,677.13	1/2	2,381.41	1/2	2,085.32		
3/4		3/4		3/4		3/4	3,703.04	3/4	3,451.64	3/4	3,198.91	3/4	2,946.19	3/4	2,670.98	3/4	2,375.24	3/4	2,079.15		
4		4		4		4	3,697.87	4	3,446.38	4	3,193.65	4	2,940.92	4	2,664.83	4	2,369.07	4	2,072.98		
1/4		1/4		1/4		1/4	3,692.70	1/4	3,441.11	1/4	3,188.38	1/4	2,935.65	1/4	2,658.68	1/4	2,362.91	1/4	2,066.81		
1/2		1/2		1/2		1/2	3,687.54	1/2	3,435.85	1/2	3,183.12	1/2	2,930.39	1/2	2,652.53	1/2	2,356.74	1/2	2,060.64		
3/4		3/4		3/4		3/4	3,682.36	3/4	3,430.58	3/4	3,177.85	3/4	2,925.12	3/4	2,646.38	3/4	2,350.57	3/4	2,054.48		
5		5		5		5	3,677.18	5	3,425.32	5	3,172.59	5	2,919.86	5	2,640.23	5	2,344.40	5	2,048.31		
1/4		1/4		1/4		1/4	3,672.00	1/4	3,420.05	1/4	3,167.32	1/4	2,914.59	1/4	2,634.08	1/4	2,338.23	1/4	2,042.14		
1/2		1/2		1/2		1/2	3,666.82	1/2	3,414.79	1/2	3,162.06	1/2	2,909.33	1/2	2,627.93	1/2	2,332.06	1/2	2,035.97		
3/4		3/4		3/4		3/4	3,661.64	3/4	3,409.52	3/4	3,156.79	3/4	2,904.06	3/4	2,621.78	3/4	2,325.89	3/4	2,029.80		
6		6		6		6	3,656.46	6	3,404.26	6	3,151.53	6	2,898.80	6	2,615.63	6	2,319.73	6	2,023.63		
1/4		1/4		1/4		1/4	3,651.28	1/4	3,398.99	1/4	3,146.26	1/4	2,893.53	1/4	2,609.48	1/4	2,313.56	1/4	2,017.46		
1/2		1/2		1/2		1/2	3,646.11	1/2	3,393.73	1/2	3,141.00	1/2	2,888.27	1/2	2,603.33	1/2	2,307.39	1/2	2,011.30		
3/4		3/4		3/4		3/4	3,640.93	3/4	3,388.46	3/4	3,135.73	3/4	2,883.00	3/4	2,597.18	3/4	2,301.22	3/4	2,005.13		
7		7		7		7	3,635.75	7	3,383.20	7	3,130.47	7	2,877.74	7	2,591.03	7	2,295.05	7	1,998.96		
1/4		1/4		1/4		1/4	3,630.57	1/4	3,377.93	1/4	3,125.20	1/4	2,872.47	1/4	2,584.88	1/4	2,288.88	1/4	1,992.79		
1/2		1/2		1/2		1/2	3,625.40	1/2	3,372.67	1/2	3,119.94	1/2	2,867.21	1/2	2,578.73	1/2	2,282.71	1/2	1,986.62		
3/4		3/4		3/4		3/4	3,620.13	3/4	3,367.40	3/4	3,114.67	3/4	2,861.92	3/4	2,572.58	3/4	2,276.54	3/4	1,980.45		
8		8		8		8	3,614.87	8	3,362.14	8	3,109.41	8	2,856.63	8	2,566.43	8	2,270.38	8	1,974.28		
1/4		1/4		1/4		1/4	3,609.60	1/4	3,356.87	1/4	3,104.14	1/4	2,851.34	1/4	2,560.28	1/4	2,264.21	1/4	1,968.11		
1/2		1/2		1/2		1/2	3,604.34	1/2	3,351.61	1/2	3,098.88	1/2	2,846.05	1/2	2,554.13	1/2	2,258.04	1/2	1,961.95		
3/4		3/4		3/4		3/4	3,599.07	3/4	3,346.34	3/4	3,093.61	3/4	2,840.76	3/4	2,547.96	3/4	2,251.87	3/4	1,955.78		
9		9		9		9	3,593.80	9	3,341.08	9	3,088.35	9	2,835.47	9	2,541.79	9	2,245.70	9	1,949.61		
1/4		1/4		1/4		1/4	3,588.54	1/4	3,335.81	1/4	3,083.08	1/4	2,830.18	1/4	2,535.63	1/4	2,239.53	1/4	1,943.44		
1/2		1/2		1/2		1/2	3,583.27	1/2	3,330.54	1/2	3,077.82	1/2	2,824.89	1/2	2,529.46	1/2	2,233.36	1/2	1,937.27		
3/4		3/4		3/4		3/4	3,578.01	3/4	3,325.28	3/4	3,072.55	3/4	2,818.70	3/4	2,523.29	3/4	2,227.20	3/4	1,931.10		
10		10		10		10	3,572.74	10	3,320.01	10	3,067.28	10	2,812.51	10	2,517.12	10	2,221.03	10	1,924.93		
1/4		1/4		1/4		1/4	3,567.48	1/4	3,314.75	1/4	3,062.02	1/4	2,806.31	1/4	2,510.95	1/4	2,214.86	1/4	1,918.77		
1/2		1/2		1/2		1/2	3,562.21	1/2	3,309.48	1/2	3,056.75	1/2	2,800.12	1/2	2,504.78	1/2	2,208.69	1/2	1,912.60		
3/4		3/4		3/4		3/4	3,556.95	3/4	3,304.22	3/4	3,051.49	3/4	2,793.97	3/4	2,498.61	3/4	2,202.52	3/4	1,906.43		
11		11		11		11	3,551.68	11	3,298.95	11	3,046.22	11	2,787.82	11	2,492.45	11	2,196.35	11	1,900.26		
1/4		1/4		1/4		1/4	3,546.42	1/4	3,293.69	1/4	3,040.96	1/4	2,781.67	1/4	2,486.28	1/4	2,190.18	1/4	1,894.09		
1/2		1/2		1/2		1/2	3,761.83	1/2	3,541.15	1/2	3,288.42	1/2	3,035.69	1/2	2,775.52	1/2	2,480.11	1/2	2,184.02	1/2	1,887.92
3/4		3/4		3/4		3/4	3,760.80	3/4	3,535.89	3/4	3,283.16	3/4	3,030.43	3/4	2,769.37	3/4	2,473.94	3/4	2,177.85	3/4	1,881.75

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 ON CENTERLINE AND 32'-00" 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 10547"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	1,875.59	0	1,579.24	0	1,282.74	0	986.24	0	695.79	0	399.12	0	102.48	0		0		0	
1/4	1,869.42	1/4	1,573.06	1/4	1,276.56	1/4	980.06	1/4	689.63	1/4	392.94	1/4	96.33	1/4	1/4	1/4		1/4	
1/2	1,863.25	1/2	1,566.89	1/2	1,270.39	1/2	973.89	1/2	683.46	1/2	386.76	1/2	90.17	1/2	1/2	1/2		1/2	
3/4	1,857.08	3/4	1,560.71	3/4	1,264.21	3/4	967.77	3/4	677.28	3/4	380.58	3/4	84.05	3/4	3/4	3/4		3/4	
1	1,850.91	1	1,554.53	1	1,258.03	1	961.66	1	671.10	1	374.40	1	77.93	1	1	1		1	
1/4	1,844.74	1/4	1,548.36	1/4	1,251.85	1/4	955.54	1/4	664.92	1/4	368.22	1/4	71.81	1/4	1/4	1/4		1/4	
1/2	1,838.57	1/2	1,542.18	1/2	1,245.68	1/2	949.43	1/2	658.74	1/2	362.04	1/2	65.69	1/2	1/2	1/2		1/2	
3/4	1,832.41	3/4	1,536.00	3/4	1,239.50	3/4	943.38	3/4	652.56	3/4	355.85	3/4	59.62	3/4	3/4	3/4		3/4	
2	1,826.24	2	1,529.82	2	1,233.32	2	937.32	2	646.38	2	349.67	2	53.56	2	2	2		2	
1/4	1,820.07	1/4	1,523.65	1/4	1,227.15	1/4	931.27	1/4	640.20	1/4	343.49	1/4	47.49	1/4	1/4	1/4		1/4	
1/2	1,813.90	1/2	1,517.47	1/2	1,220.97	1/2	925.22	1/2	634.02	1/2	337.31	1/2	41.43	1/2	1/2	1/2		1/2	
3/4	1,807.72	3/4	1,511.29	3/4	1,214.79	3/4	919.17	3/4	627.84	3/4	331.13	3/4	36.28	3/4	3/4	3/4		3/4	
3	1,801.55	3	1,505.12	3	1,208.61	3	913.12	3	621.65	3	324.95	3	31.12	3	3	3		3	
1/4	1,795.37	1/4	1,498.94	1/4	1,202.44	1/4	907.07	1/4	615.47	1/4	318.77	1/4	25.97	1/4	1/4	1/4		1/4	
1/2	1,789.19	1/2	1,492.76	1/2	1,196.26	1/2	901.02	1/2	609.29	1/2	312.58	1/2	20.82	1/2	1/2	1/2		1/2	
3/4	1,783.01	3/4	1,486.58	3/4	1,190.08	3/4	894.99	3/4	603.11	3/4	306.40	3/4	17.72	3/4	3/4	3/4		3/4	
4	1,776.84	4	1,480.41	4	1,183.91	4	888.95	4	596.93	4	300.22	4	14.63	4	4	4		4	
1/4	1,770.66	1/4	1,474.23	1/4	1,177.73	1/4	882.92	1/4	590.75	1/4	294.04	1/4	11.53	1/4	1/4	1/4		1/4	
1/2	1,764.48	1/2	1,468.05	1/2	1,171.55	1/2	876.88	1/2	584.57	1/2	287.86	1/2	8.43	1/2	1/2	1/2		1/2	
3/4	1,758.31	3/4	1,461.88	3/4	1,165.38	3/4	870.86	3/4	578.38	3/4	281.68	3/4	7.40	3/4	3/4	3/4		3/4	
5	1,752.13	5	1,455.70	5	1,159.20	5	864.84	5	572.20	5	275.50	5	6.37	5	5	5		5	
1/4	1,745.95	1/4	1,449.52	1/4	1,153.02	1/4	858.83	1/4	566.02	1/4	269.31	1/4	5.34	1/4	1/4	1/4		1/4	
1/2	1,739.78	1/2	1,443.34	1/2	1,146.84	1/2	852.81	1/2	559.84	1/2	263.13	1/2	4.31	1/2	1/2	1/2		1/2	
3/4	1,733.60	3/4	1,437.17	3/4	1,140.67	3/4	846.79	3/4	553.66	3/4	256.95	3/4		3/4	3/4	3/4		3/4	
6	1,727.42	6	1,430.99	6	1,134.49	6	840.77	6	547.48	6	250.77	6		6	6	6		6	
1/4	1,721.25	1/4	1,424.81	1/4	1,128.31	1/4	834.75	1/4	541.30	1/4	244.59	1/4		1/4	1/4	1/4		1/4	
1/2	1,715.07	1/2	1,418.64	1/2	1,122.14	1/2	828.74	1/2	535.12	1/2	238.41	1/2		1/2	1/2	1/2		1/2	
3/4	1,708.90	3/4	1,412.46	3/4	1,115.96	3/4	822.72	3/4	528.93	3/4	232.23	3/4		3/4	3/4	3/4		3/4	
7	1,702.73	7	1,406.28	7	1,109.78	7	816.70	7	522.75	7	226.05	7		7	7	7		7	
1/4	1,696.55	1/4	1,400.10	1/4	1,103.60	1/4	810.68	1/4	516.57	1/4	219.86	1/4		1/4	1/4	1/4		1/4	
1/2	1,690.38	1/2	1,393.93	1/2	1,097.43	1/2	804.66	1/2	510.39	1/2	213.68	1/2		1/2	1/2	1/2		1/2	
3/4	1,684.20	3/4	1,387.75	3/4	1,091.25	3/4	798.64	3/4	504.21	3/4	207.50	3/4		3/4	3/4	3/4		3/4	
8	1,678.03	8	1,381.57	8	1,085.07	8	792.63	8	498.03	8	201.32	8		8	8	8		8	
1/4	1,671.86	1/4	1,375.40	1/4	1,078.90	1/4	786.61	1/4	491.85	1/4	195.14	1/4		1/4	1/4	1/4		1/4	
1/2	1,665.68	1/2	1,369.22	1/2	1,072.72	1/2	780.59	1/2	485.66	1/2	188.96	1/2		1/2	1/2	1/2		1/2	
3/4	1,659.51	3/4	1,363.04	3/4	1,066.54	3/4	774.57	3/4	479.48	3/4	182.78	3/4		3/4	3/4	3/4		3/4	
9	1,653.33	9	1,356.87	9	1,060.36	9	768.55	9	473.30	9	176.60	9		9	9	9		9	
1/4	1,647.16	1/4	1,350.69	1/4	1,054.19	1/4	762.54	1/4	467.12	1/4	170.41	1/4		1/4	1/4	1/4		1/4	
1/2	1,640.99	1/2	1,344.51	1/2	1,048.01	1/2	756.52	1/2	460.94	1/2	164.23	1/2		1/2	1/2	1/2		1/2	
3/4	1,634.81	3/4	1,338.33	3/4	1,041.83	3/4	750.50	3/4	454.76	3/4	158.05	3/4		3/4	3/4	3/4		3/4	
10	1,628.64	10	1,332.16	10	1,035.66	10	744.48	10	448.58	10	151.86	10		10	10	10		10	
1/4	1,622.46	1/4	1,325.98	1/4	1,029.48	1/4	738.46	1/4	442.39	1/4	145.67	1/4		1/4	1/4	1/4		1/4	
1/2	1,616.29	1/2	1,319.80	1/2	1,023.30	1/2	732.44	1/2	436.21	1/2	139.49	1/2		1/2	1/2	1/2		1/2	
3/4	1,610.12	3/4	1,313.63	3/4	1,017.12	3/4	726.36	3/4	430.03	3/4	133.31	3/4		3/4	3/4	3/4		3/4	
11	1,603.94	11	1,307.45	11	1,010.95	11	720.28	11	423.85	11	127.14	11		11	11	11		11	
1/4	1,597.77	1/4	1,301.27	1/4	1,004.77	1/4	714.20	1/4	417.67	1/4	120.96	1/4		1/4	1/4	1/4		1/4	
1/2	1,591.60	1/2	1,295.09	1/2	998.59	1/2	708.12	1/2	411.49	1/2	114.79	1/2		1/2	1/2	1/2		1/2	
3/4	1,585.42	3/4	1,288.92	3/4	992.42	3/4	701.95	3/4	405.31	3/4	108.64	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2012 CL - SW  
CALCULATED: 08/08/2012 CL  
PRINTED: 08/08/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2012

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



# BARGE "KIRBY 10547"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	3,473.41	0	3,237.70	0	2,975.85	0	2,714.00	0	2,451.62	0	2,188.37	0	1,925.12		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,472.49	1/4	3,232.24	1/4	2,970.39	1/4	2,708.54	1/4	2,446.14	1/4	2,182.89	1/4	1,919.64		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,471.58	1/2	3,226.79	1/2	2,964.94	1/2	2,703.09	1/2	2,440.66	1/2	2,177.40	1/2	1,914.15		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,468.84	3/4	3,221.33	3/4	2,959.48	3/4	2,697.63	3/4	2,435.17	3/4	2,171.92	3/4	1,908.67		
1	1	1	1	1	1	1	3,466.09	1	3,215.88	1	2,954.03	1	2,692.18	1	2,429.69	1	2,166.44	1	1,903.18		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,463.35	1/4	3,210.42	1/4	2,948.57	1/4	2,686.72	1/4	2,424.20	1/4	2,160.95	1/4	1,897.70		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,460.60	1/2	3,204.97	1/2	2,943.12	1/2	2,681.27	1/2	2,418.72	1/2	2,155.47	1/2	1,892.22		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,456.16	3/4	3,199.51	3/4	2,937.66	3/4	2,675.81	3/4	2,413.23	3/4	2,149.98	3/4	1,886.73		
2	2	2	2	2	2	2	3,451.72	2	3,194.06	2	2,932.21	2	2,670.36	2	2,407.75	2	2,144.50	2	1,881.25		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,447.27	1/4	3,188.60	1/4	2,926.75	1/4	2,664.90	1/4	2,402.27	1/4	2,139.01	1/4	1,875.76		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,442.83	1/2	3,183.15	1/2	2,921.30	1/2	2,659.45	1/2	2,396.78	1/2	2,133.53	1/2	1,870.28		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,437.51	3/4	3,177.69	3/4	2,915.84	3/4	2,653.99	3/4	2,391.30	3/4	2,128.05	3/4	1,864.79		
3	3	3	3	3	3	3	3,432.20	3	3,172.24	3	2,910.39	3	2,648.54	3	2,385.81	3	2,122.56	3	1,859.31		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,426.88	1/4	3,166.78	1/4	2,904.93	1/4	2,643.08	1/4	2,380.33	1/4	2,117.08	1/4	1,853.83		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,421.57	1/2	3,161.33	1/2	2,899.48	1/2	2,637.63	1/2	2,374.84	1/2	2,111.59	1/2	1,848.34		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,416.22	3/4	3,155.87	3/4	2,894.02	3/4	2,632.17	3/4	2,369.36	3/4	2,106.11	3/4	1,842.86		
4	4	4	4	4	4	4	3,410.87	4	3,150.42	4	2,888.57	4	2,626.72	4	2,363.87	4	2,100.62	4	1,837.37		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,405.52	1/4	3,144.96	1/4	2,883.11	1/4	2,621.26	1/4	2,358.39	1/4	2,095.14	1/4	1,831.89		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,400.18	1/2	3,139.51	1/2	2,877.66	1/2	2,615.81	1/2	2,352.91	1/2	2,089.65	1/2	1,826.40		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,394.82	3/4	3,134.05	3/4	2,872.20	3/4	2,610.35	3/4	2,347.42	3/4	2,084.17	3/4	1,820.92		
5	5	5	5	5	5	5	3,389.46	5	3,128.60	5	2,866.75	5	2,604.90	5	2,341.94	5	2,078.69	5	1,815.43		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,384.10	1/4	3,123.14	1/4	2,861.29	1/4	2,599.44	1/4	2,336.45	1/4	2,073.20	1/4	1,809.95		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,378.74	1/2	3,117.68	1/2	2,855.84	1/2	2,593.99	1/2	2,330.97	1/2	2,067.72	1/2	1,804.47		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,373.39	3/4	3,112.23	3/4	2,850.38	3/4	2,588.53	3/4	2,325.48	3/4	2,062.23	3/4	1,798.98		
6	6	6	6	6	6	6	3,368.03	6	3,106.77	6	2,844.92	6	2,583.08	6	2,320.00	6	2,056.75	6	1,793.50		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,362.67	1/4	3,101.32	1/4	2,839.47	1/4	2,577.62	1/4	2,314.51	1/4	2,051.26	1/4	1,788.01		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,357.32	1/2	3,095.86	1/2	2,834.01	1/2	2,572.16	1/2	2,309.03	1/2	2,045.78	1/2	1,782.53		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,351.96	3/4	3,090.41	3/4	2,828.56	3/4	2,566.71	3/4	2,303.55	3/4	2,040.29	3/4	1,777.04		
7	7	7	7	7	7	7	3,346.60	7	3,084.95	7	2,823.10	7	2,561.25	7	2,298.06	7	2,034.81	7	1,771.56		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,341.25	1/4	3,079.50	1/4	2,817.65	1/4	2,555.80	1/4	2,292.58	1/4	2,029.33	1/4	1,766.07		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,335.89	1/2	3,074.04	1/2	2,812.19	1/2	2,550.34	1/2	2,287.09	1/2	2,023.84	1/2	1,760.59		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,330.44	3/4	3,068.59	3/4	2,806.74	3/4	2,544.86	3/4	2,281.61	3/4	2,018.36	3/4	1,755.11		
8	8	8	8	8	8	8	3,324.98	8	3,063.13	8	2,801.28	8	2,539.38	8	2,276.12	8	2,012.87	8	1,749.62		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,319.53	1/4	3,057.68	1/4	2,795.83	1/4	2,533.89	1/4	2,270.64	1/4	2,007.39	1/4	1,744.14		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,314.07	1/2	3,052.22	1/2	2,790.37	1/2	2,528.41	1/2	2,265.16	1/2	2,001.90	1/2	1,738.65		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,308.62	3/4	3,046.77	3/4	2,784.92	3/4	2,522.92	3/4	2,259.67	3/4	1,996.42	3/4	1,733.17		
9	9	9	9	9	9	9	3,303.16	9	3,041.31	9	2,779.46	9	2,517.44	9	2,254.19	9	1,990.94	9	1,727.68		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,297.71	1/4	3,035.86	1/4	2,774.01	1/4	2,511.95	1/4	2,248.70	1/4	1,985.45	1/4	1,722.20		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,292.25	1/2	3,030.40	1/2	2,768.55	1/2	2,506.47	1/2	2,243.22	1/2	1,979.97	1/2	1,716.72		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,286.80	3/4	3,024.95	3/4	2,763.10	3/4	2,500.98	3/4	2,237.73	3/4	1,974.48	3/4	1,711.23		
10	10	10	10	10	10	10	3,281.34	10	3,019.49	10	2,757.64	10	2,495.50	10	2,232.25	10	1,969.00	10	1,705.75		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,275.89	1/4	3,014.04	1/4	2,752.19	1/4	2,490.02	1/4	2,226.76	1/4	1,963.51	1/4	1,700.26		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,270.43	1/2	3,008.58	1/2	2,746.73	1/2	2,484.53	1/2	2,221.28	1/2	1,958.03	1/2	1,694.78		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,264.98	3/4	3,003.13	3/4	2,741.28	3/4	2,479.05	3/4	2,215.80	3/4	1,952.54	3/4	1,689.29		
11	11	11	11	11	11	11	3,259.52	11	2,997.67	11	2,735.82	11	2,473.56	11	2,210.31	11	1,947.06	11	1,683.81		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,254.06	1/4	2,992.22	1/4	2,730.37	1/4	2,468.08	1/4	2,204.83	1/4	1,941.58	1/4	1,678.32		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,475.24	1/2	3,248.61	1/2	2,986.76	1/2	2,724.91	1/2	2,462.59	1/2	2,199.34	1/2	1,936.09	1/2	1,672.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,474.32	3/4	3,243.15	3/4	2,981.30	3/4	2,719.46	3/4	2,457.11	3/4	2,193.86	3/4	1,930.61	3/4	1,667.36

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 ON CENTERLINE AND 27'-06" 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 10547"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	1,656.39	1/4	1,393.12	1/4	1,129.71	1/4	868.41	1/4	608.82	1/4	345.42	1/4	82.22	1/4		1/4		1/4			
1/2	1,650.90	1/2	1,387.64	1/2	1,124.22	1/2	863.00	1/2	603.33	1/2	339.93	1/2	76.76	1/2		1/2		1/2			
3/4	1,645.42	3/4	1,382.15	3/4	1,118.73	3/4	857.60	3/4	597.84	3/4	334.44	3/4	71.34	3/4		3/4		3/4			
1	1,639.93	1	1,376.66	1	1,113.24	1	852.20	1	592.36	1	328.96	1	65.91	1		1		1			
1/4	1,634.45	1/4	1,371.17	1/4	1,107.75	1/4	846.79	1/4	586.87	1/4	323.47	1/4	60.49	1/4		1/4		1/4			
1/2	1,628.96	1/2	1,365.69	1/2	1,102.27	1/2	841.39	1/2	581.38	1/2	317.98	1/2	55.07	1/2		1/2		1/2			
3/4	1,623.48	3/4	1,360.20	3/4	1,096.78	3/4	835.99	3/4	575.89	3/4	312.49	3/4	49.69	3/4		3/4		3/4			
2	1,618.00	2	1,354.71	2	1,091.29	2	830.58	2	570.41	2	307.01	2	44.32	2		2		2			
1/4	1,612.51	1/4	1,349.22	1/4	1,085.80	1/4	825.18	1/4	564.92	1/4	301.52	1/4	38.94	1/4		1/4		1/4			
1/2	1,607.03	1/2	1,343.73	1/2	1,080.31	1/2	819.78	1/2	559.43	1/2	296.03	1/2	33.57	1/2		1/2		1/2			
3/4	1,601.54	3/4	1,338.25	3/4	1,074.83	3/4	814.38	3/4	553.94	3/4	290.54	3/4	29.00	3/4		3/4		3/4			
3	1,596.06	3	1,332.76	3	1,069.34	3	808.98	3	548.46	3	285.06	3	24.44	3		3		3			
1/4	1,590.57	1/4	1,327.27	1/4	1,063.85	1/4	803.59	1/4	542.97	1/4	279.57	1/4	19.87	1/4		1/4		1/4			
1/2	1,585.09	1/2	1,321.78	1/2	1,058.36	1/2	798.19	1/2	537.48	1/2	274.08	1/2	15.31	1/2		1/2		1/2			
3/4	1,579.61	3/4	1,316.29	3/4	1,052.88	3/4	792.79	3/4	531.99	3/4	268.59	3/4	12.57	3/4		3/4		3/4			
4	1,574.12	4	1,310.81	4	1,047.39	4	787.39	4	526.51	4	263.11	4	9.82	4		4		4			
1/4	1,568.64	1/4	1,305.32	1/4	1,041.90	1/4	781.99	1/4	521.02	1/4	257.62	1/4	7.08	1/4		1/4		1/4			
1/2	1,563.15	1/2	1,299.83	1/2	1,036.41	1/2	776.60	1/2	515.53	1/2	252.13	1/2	4.34	1/2		1/2		1/2			
3/4	1,557.67	3/4	1,294.34	3/4	1,030.92	3/4	771.20	3/4	510.04	3/4	246.64	3/4	3.42	3/4		3/4		3/4			
5	1,552.18	5	1,288.85	5	1,025.44	5	765.80	5	504.56	5	241.16	5	2.51	5		5		5			
1/4	1,546.70	1/4	1,283.37	1/4	1,019.95	1/4	760.40	1/4	499.07	1/4	235.67	1/4	1.59	1/4		1/4		1/4			
1/2	1,541.21	1/2	1,277.88	1/2	1,014.46	1/2	755.01	1/2	493.58	1/2	230.18	1/2	0.68	1/2		1/2		1/2			
3/4	1,535.73	3/4	1,272.39	3/4	1,009.01	3/4	749.61	3/4	488.09	3/4	224.69	3/4		3/4		3/4		3/4			
6	1,530.25	6	1,266.90	6	1,003.57	6	744.21	6	482.61	6	219.21	6		6		6		6			
1/4	1,524.76	1/4	1,261.42	1/4	998.12	1/4	738.81	1/4	477.12	1/4	213.72	1/4		1/4		1/4		1/4			
1/2	1,519.28	1/2	1,255.93	1/2	992.67	1/2	733.42	1/2	471.63	1/2	208.23	1/2		1/2		1/2		1/2			
3/4	1,513.79	3/4	1,250.44	3/4	987.27	3/4	728.02	3/4	466.14	3/4	202.74	3/4		3/4		3/4		3/4			
7	1,508.31	7	1,244.95	7	981.87	7	722.62	7	460.66	7	197.26	7		7		7		7			
1/4	1,502.82	1/4	1,239.46	1/4	976.47	1/4	717.22	1/4	455.17	1/4	191.77	1/4		1/4		1/4		1/4			
1/2	1,497.34	1/2	1,233.98	1/2	971.06	1/2	711.82	1/2	449.68	1/2	186.28	1/2		1/2		1/2		1/2			
3/4	1,491.85	3/4	1,228.49	3/4	965.66	3/4	706.43	3/4	444.19	3/4	180.79	3/4		3/4		3/4		3/4			
8	1,486.37	8	1,223.00	8	960.26	8	701.03	8	438.71	8	175.31	8		8		8		8			
1/4	1,480.89	1/4	1,217.51	1/4	954.85	1/4	695.63	1/4	433.22	1/4	169.82	1/4		1/4		1/4		1/4			
1/2	1,475.40	1/2	1,212.02	1/2	949.45	1/2	690.23	1/2	427.73	1/2	164.33	1/2		1/2		1/2		1/2			
3/4	1,469.92	3/4	1,206.54	3/4	944.05	3/4	684.84	3/4	422.24	3/4	158.85	3/4		3/4		3/4		3/4			
9	1,464.43	9	1,201.05	9	938.64	9	679.44	9	416.76	9	153.36	9		9		9		9			
1/4	1,458.95	1/4	1,195.56	1/4	933.24	1/4	674.04	1/4	411.27	1/4	147.87	1/4		1/4		1/4		1/4			
1/2	1,453.46	1/2	1,190.07	1/2	927.84	1/2	668.64	1/2	405.78	1/2	142.39	1/2		1/2		1/2		1/2			
3/4	1,447.98	3/4	1,184.58	3/4	922.44	3/4	663.25	3/4	400.29	3/4	136.90	3/4		3/4		3/4		3/4			
10	1,442.50	10	1,179.10	10	917.03	10	657.85	10	394.81	10	131.42	10		10		10		10			
1/4	1,437.01	1/4	1,173.61	1/4	911.63	1/4	652.45	1/4	389.32	1/4	125.94	1/4		1/4		1/4		1/4			
1/2	1,431.53	1/2	1,168.12	1/2	906.23	1/2	647.06	1/2	383.83	1/2	120.46	1/2		1/2		1/2		1/2			
3/4	1,426.04	3/4	1,162.63	3/4	900.82	3/4	641.61	3/4	378.34	3/4	114.99	3/4		3/4		3/4		3/4			
11	1,420.56	11	1,157.15	11	895.42	11	636.17	11	372.86	11	109.52	11		11		11		11			
1/4	1,415.07	1/4	1,151.66	1/4	890.02	1/4	630.72	1/4	367.37	1/4	104.04	1/4		1/4		1/4		1/4			
1/2	1,409.59	1/2	1,146.17	1/2	884.61	1/2	625.28	1/2	361.88	1/2	98.57	1/2		1/2		1/2		1/2			
3/4	1,404.10	3/4	1,140.68	3/4	879.21	3/4	619.79	3/4	356.39	3/4	93.12	3/4		3/4		3/4		3/4			

STRAPPED: 08/08/2012 CL - SW  
CALCULATED: 08/08/2012 CL  
PRINTED: 08/08/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2012

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 10547"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	3,453.26	0	3,223.79	0	2,963.86	0	2,703.93	0	2,443.50	0	2,182.16	0	1,920.83
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,452.36	1/4	3,218.37	1/4	2,958.44	1/4	2,698.51	1/4	2,438.05	1/4	2,176.72	1/4	1,915.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,451.45	1/2	3,212.95	1/2	2,953.03	1/2	2,693.10	1/2	2,432.61	1/2	2,171.27	1/2	1,909.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,450.54	3/4	3,207.54	3/4	2,947.61	3/4	2,687.68	3/4	2,427.16	3/4	2,165.83	3/4	1,904.49
1		1		1		1	3,447.82	1	3,202.12	1	2,942.19	1	2,682.27	1	2,421.72	1	2,160.38	1	1,899.05
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,445.09	1/4	3,196.71	1/4	2,936.78	1/4	2,676.85	1/4	2,416.28	1/4	2,154.94	1/4	1,893.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,442.37	1/2	3,191.29	1/2	2,931.36	1/2	2,671.43	1/2	2,410.83	1/2	2,149.50	1/2	1,888.16
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,439.64	3/4	3,185.88	3/4	2,925.95	3/4	2,666.02	3/4	2,405.39	3/4	2,144.05	3/4	1,882.71
2		2		2		2	3,435.23	2	3,180.46	2	2,920.53	2	2,660.60	2	2,399.94	2	2,138.61	2	1,877.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,430.82	1/4	3,175.05	1/4	2,915.12	1/4	2,655.19	1/4	2,394.50	1/4	2,133.16	1/4	1,871.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,426.41	1/2	3,169.63	1/2	2,909.70	1/2	2,649.77	1/2	2,389.05	1/2	2,127.72	1/2	1,866.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,422.00	3/4	3,164.22	3/4	2,904.29	3/4	2,644.36	3/4	2,383.61	3/4	2,122.27	3/4	1,860.94
3		3		3		3	3,416.73	3	3,158.80	3	2,898.87	3	2,638.94	3	2,378.16	3	2,116.83	3	1,855.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,411.45	1/4	3,153.39	1/4	2,893.46	1/4	2,633.53	1/4	2,372.72	1/4	2,111.38	1/4	1,850.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,406.17	1/2	3,147.97	1/2	2,888.04	1/2	2,628.11	1/2	2,367.28	1/2	2,105.94	1/2	1,844.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,400.90	3/4	3,142.56	3/4	2,882.63	3/4	2,622.70	3/4	2,361.83	3/4	2,100.49	3/4	1,839.16
4		4		4		4	3,395.59	4	3,137.14	4	2,877.21	4	2,617.28	4	2,356.39	4	2,095.05	4	1,833.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,390.28	1/4	3,131.73	1/4	2,871.80	1/4	2,611.87	1/4	2,350.94	1/4	2,089.61	1/4	1,828.27
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,384.97	1/2	3,126.31	1/2	2,866.38	1/2	2,606.45	1/2	2,345.50	1/2	2,084.16	1/2	1,822.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,379.67	3/4	3,120.90	3/4	2,860.97	3/4	2,601.04	3/4	2,340.05	3/4	2,078.72	3/4	1,817.38
5		5		5		5	3,374.35	5	3,115.48	5	2,855.55	5	2,595.62	5	2,334.61	5	2,073.27	5	1,811.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,369.02	1/4	3,110.07	1/4	2,850.14	1/4	2,590.21	1/4	2,329.16	1/4	2,067.83	1/4	1,806.49
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,363.70	1/2	3,104.65	1/2	2,844.72	1/2	2,584.79	1/2	2,323.72	1/2	2,062.38	1/2	1,801.05
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,358.38	3/4	3,099.24	3/4	2,839.31	3/4	2,579.38	3/4	2,318.27	3/4	2,056.94	3/4	1,795.60
6		6		6		6	3,353.06	6	3,093.82	6	2,833.89	6	2,573.96	6	2,312.83	6	2,051.49	6	1,790.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,347.74	1/4	3,088.41	1/4	2,828.48	1/4	2,568.55	1/4	2,307.39	1/4	2,046.05	1/4	1,784.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,342.43	1/2	3,082.99	1/2	2,823.06	1/2	2,563.13	1/2	2,301.94	1/2	2,040.61	1/2	1,779.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,337.11	3/4	3,077.57	3/4	2,817.65	3/4	2,557.72	3/4	2,296.50	3/4	2,035.16	3/4	1,773.82
7		7		7		7	3,331.79	7	3,072.16	7	2,812.23	7	2,552.30	7	2,291.05	7	2,029.72	7	1,768.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,326.48	1/4	3,066.74	1/4	2,806.81	1/4	2,546.89	1/4	2,285.61	1/4	2,024.27	1/4	1,762.94
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,321.16	1/2	3,061.33	1/2	2,801.40	1/2	2,541.47	1/2	2,280.16	1/2	2,018.83	1/2	1,757.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,315.84	3/4	3,055.91	3/4	2,795.98	3/4	2,536.05	3/4	2,274.72	3/4	2,013.38	3/4	1,752.05
8		8		8		8	3,310.43	8	3,050.50	8	2,790.57	8	2,530.61	8	2,269.27	8	2,007.94	8	1,746.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,305.01	1/4	3,045.08	1/4	2,785.15	1/4	2,525.17	1/4	2,263.83	1/4	2,002.49	1/4	1,741.16
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,299.60	1/2	3,039.67	1/2	2,779.74	1/2	2,519.72	1/2	2,258.39	1/2	1,997.05	1/2	1,735.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,294.18	3/4	3,034.25	3/4	2,774.32	3/4	2,514.28	3/4	2,252.94	3/4	1,991.60	3/4	1,730.27
9		9		9		9	3,288.77	9	3,028.84	9	2,768.91	9	2,508.83	9	2,247.50	9	1,986.16	9	1,724.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,283.35	1/4	3,023.42	1/4	2,763.49	1/4	2,503.39	1/4	2,242.05	1/4	1,980.72	1/4	1,719.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,277.94	1/2	3,018.01	1/2	2,758.08	1/2	2,497.94	1/2	2,236.61	1/2	1,975.27	1/2	1,713.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,272.52	3/4	3,012.59	3/4	2,752.66	3/4	2,492.50	3/4	2,231.16	3/4	1,969.83	3/4	1,708.49
10		10		10		10	3,267.11	10	3,007.18	10	2,747.25	10	2,487.05	10	2,225.72	10	1,964.38	10	1,703.05
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,261.69	1/4	3,001.76	1/4	2,741.83	1/4	2,481.61	1/4	2,220.27	1/4	1,958.94	1/4	1,697.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,256.28	1/2	2,996.35	1/2	2,736.42	1/2	2,476.17	1/2	2,214.83	1/2	1,953.49	1/2	1,692.16
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,250.86	3/4	2,990.93	3/4	2,731.00	3/4	2,470.72	3/4	2,209.38	3/4	1,948.05	3/4	1,686.71
11		11		11		11	3,245.45	11	2,985.52	11	2,725.59	11	2,465.28	11	2,203.94	11	1,942.60	11	1,681.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,240.03	1/4	2,980.10	1/4	2,720.17	1/4	2,459.83	1/4	2,198.50	1/4	1,937.16	1/4	1,675.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,234.62	1/2	2,974.69	1/2	2,714.76	1/2	2,454.39	1/2	2,193.05	1/2	1,931.72	1/2	1,670.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,454.17	3/4	3,229.20	3/4	2,969.27	3/4	2,709.34	3/4	2,448.94	3/4	2,187.61	3/4	1,664.93

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 27'-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 10547"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	1,659.49	0	1,398.15	0	1,136.65	0	876.06	0	615.28	0	353.80	0	92.45	0		0		0	
1/4	1,654.05	1/4	1,392.70	1/4	1,131.20	1/4	870.65	1/4	609.84	1/4	348.36	1/4	87.04	1/4	1/4	1/4		1/4	1/4
1/2	1,648.60	1/2	1,387.26	1/2	1,125.76	1/2	865.24	1/2	604.39	1/2	342.91	1/2	81.62	1/2	1/2	1/2		1/2	1/2
3/4	1,643.16	3/4	1,381.81	3/4	1,120.31	3/4	859.83	3/4	598.94	3/4	337.46	3/4	76.21	3/4	3/4	3/4		3/4	3/4
1	1,637.71	1	1,376.36	1	1,114.86	1	854.41	1	593.49	1	332.01	1	70.82	1	1	1		1	1
1/4	1,632.27	1/4	1,370.91	1/4	1,109.41	1/4	849.00	1/4	588.05	1/4	326.57	1/4	65.44	1/4	1/4	1/4		1/4	1/4
1/2	1,626.82	1/2	1,365.46	1/2	1,103.96	1/2	843.59	1/2	582.60	1/2	321.12	1/2	60.05	1/2	1/2	1/2		1/2	1/2
3/4	1,621.38	3/4	1,360.02	3/4	1,098.52	3/4	838.18	3/4	577.15	3/4	315.67	3/4	54.67	3/4	3/4	3/4		3/4	3/4
2	1,615.93	2	1,354.57	2	1,093.07	2	832.77	2	571.70	2	310.22	2	49.33	2	2	2		2	2
1/4	1,610.49	1/4	1,349.12	1/4	1,087.62	1/4	827.36	1/4	566.26	1/4	304.78	1/4	44.00	1/4	1/4	1/4		1/4	1/4
1/2	1,605.05	1/2	1,343.67	1/2	1,082.17	1/2	821.94	1/2	560.81	1/2	299.33	1/2	38.66	1/2	1/2	1/2		1/2	1/2
3/4	1,599.60	3/4	1,338.22	3/4	1,076.72	3/4	816.53	3/4	555.36	3/4	293.88	3/4	33.33	3/4	3/4	3/4		3/4	3/4
3	1,594.16	3	1,332.78	3	1,071.28	3	811.13	3	549.91	3	288.43	3	28.80	3	3	3		3	3
1/4	1,588.71	1/4	1,327.33	1/4	1,065.83	1/4	805.72	1/4	544.47	1/4	282.99	1/4	24.27	1/4	1/4	1/4		1/4	1/4
1/2	1,583.27	1/2	1,321.88	1/2	1,060.38	1/2	800.31	1/2	539.02	1/2	277.54	1/2	19.73	1/2	1/2	1/2		1/2	1/2
3/4	1,577.82	3/4	1,316.43	3/4	1,054.93	3/4	794.91	3/4	533.57	3/4	272.09	3/4	15.20	3/4	3/4	3/4		3/4	3/4
4	1,572.38	4	1,310.98	4	1,049.49	4	789.46	4	528.12	4	266.64	4	12.48	4	4	4		4	4
1/4	1,566.93	1/4	1,305.54	1/4	1,044.04	1/4	784.02	1/4	522.68	1/4	261.20	1/4	9.76	1/4	1/4	1/4		1/4	1/4
1/2	1,561.49	1/2	1,300.09	1/2	1,038.59	1/2	778.58	1/2	517.23	1/2	255.75	1/2	7.03	1/2	1/2	1/2		1/2	1/2
3/4	1,556.04	3/4	1,294.64	3/4	1,033.14	3/4	773.14	3/4	511.78	3/4	250.30	3/4	4.31	3/4	3/4	3/4		3/4	3/4
5	1,550.60	5	1,289.19	5	1,027.69	5	767.69	5	506.33	5	244.85	5	3.40	5	5	5		5	5
1/4	1,545.16	1/4	1,283.74	1/4	1,022.25	1/4	762.25	1/4	500.89	1/4	239.41	1/4	2.49	1/4	1/4	1/4		1/4	1/4
1/2	1,539.71	1/2	1,278.30	1/2	1,016.80	1/2	756.81	1/2	495.44	1/2	233.96	1/2	1.59	1/2	1/2	1/2		1/2	1/2
3/4	1,534.27	3/4	1,272.85	3/4	1,011.35	3/4	751.37	3/4	489.99	3/4	228.51	3/4	0.68	3/4	3/4	3/4		3/4	3/4
6	1,528.82	6	1,267.40	6	1,005.94	6	745.92	6	484.54	6	223.06	6		6	6	6		6	6
1/4	1,523.38	1/4	1,261.95	1/4	1,000.53	1/4	740.48	1/4	479.10	1/4	217.62	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,517.93	1/2	1,256.51	1/2	995.12	1/2	735.04	1/2	473.65	1/2	212.17	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,512.49	3/4	1,251.06	3/4	989.70	3/4	729.60	3/4	468.20	3/4	206.72	3/4		3/4	3/4	3/4		3/4	3/4
7	1,507.04	7	1,245.61	7	984.29	7	724.15	7	462.75	7	201.27	7		7	7	7		7	7
1/4	1,501.60	1/4	1,240.16	1/4	978.88	1/4	718.71	1/4	457.31	1/4	195.83	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,496.16	1/2	1,234.71	1/2	973.47	1/2	713.27	1/2	451.86	1/2	190.38	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,490.71	3/4	1,229.27	3/4	968.06	3/4	707.83	3/4	446.41	3/4	184.93	3/4		3/4	3/4	3/4		3/4	3/4
8	1,485.27	8	1,223.82	8	962.65	8	702.38	8	440.96	8	179.48	8		8	8	8		8	8
1/4	1,479.82	1/4	1,218.37	1/4	957.23	1/4	696.94	1/4	435.52	1/4	174.04	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,474.38	1/2	1,212.92	1/2	951.82	1/2	691.50	1/2	430.07	1/2	168.59	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,468.93	3/4	1,207.47	3/4	946.41	3/4	686.06	3/4	424.62	3/4	163.14	3/4		3/4	3/4	3/4		3/4	3/4
9	1,463.49	9	1,202.03	9	941.00	9	680.61	9	419.17	9	157.69	9		9	9	9		9	9
1/4	1,458.04	1/4	1,196.58	1/4	935.59	1/4	675.17	1/4	413.73	1/4	152.25	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,452.60	1/2	1,191.13	1/2	930.18	1/2	669.73	1/2	408.28	1/2	146.80	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,447.15	3/4	1,185.68	3/4	924.76	3/4	664.29	3/4	402.83	3/4	141.35	3/4		3/4	3/4	3/4		3/4	3/4
10	1,441.71	10	1,180.23	10	919.35	10	658.84	10	397.38	10	135.91	10		10	10	10		10	10
1/4	1,436.27	1/4	1,174.79	1/4	913.94	1/4	653.40	1/4	391.94	1/4	130.47	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,430.82	1/2	1,169.34	1/2	908.53	1/2	647.96	1/2	386.49	1/2	125.03	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,425.38	3/4	1,163.89	3/4	903.12	3/4	642.52	3/4	381.04	3/4	119.59	3/4		3/4	3/4	3/4		3/4	3/4
11	1,419.93	11	1,158.44	11	897.71	11	637.07	11	375.59	11	114.15	11		11	11	11		11	11
1/4	1,414.49	1/4	1,153.00	1/4	892.29	1/4	631.62	1/4	370.15	1/4	108.72	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,409.04	1/2	1,147.55	1/2	886.88	1/2	626.18	1/2	364.70	1/2	103.29	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,403.60	3/4	1,142.10	3/4	881.47	3/4	620.73	3/4	359.25	3/4	97.86	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2012 CL - SW  
CALCULATED: 08/08/2012 CL  
PRINTED: 08/08/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2012

PRECISION MEASUREMENT  
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