



# BARGE "KIRBY 10097"

## 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	00-0/8	- 00-0/8	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

(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"

February 20, 2024

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

<http://www.pmacorp.net>



# BARGE "KIRBY 10097"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

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	3,759.46	0	3,534.63	0	3,281.99	0	3,029.35	0	2,768.39	0	2,473.06	0	2,177.07
1/4		1/4		1/4		1/4	3,758.43	1/4	3,529.37	1/4	3,276.73	1/4	3,024.09	1/4	2,762.24	1/4	2,466.89	1/4	2,170.91
1/2		1/2		1/2		1/2	3,757.40	1/2	3,524.10	1/2	3,271.46	1/2	3,018.83	1/2	2,756.09	1/2	2,460.73	1/2	2,164.74
3/4		3/4		3/4		3/4	3,756.37	3/4	3,518.84	3/4	3,266.20	3/4	3,013.56	3/4	2,749.95	3/4	2,454.56	3/4	2,158.57
1		1		1		1	3,753.27	1	3,513.58	1	3,260.94	1	3,008.30	1	2,743.80	1	2,448.39	1	2,152.41
1/4		1/4		1/4		1/4	3,750.18	1/4	3,508.31	1/4	3,255.67	1/4	3,003.04	1/4	2,737.65	1/4	2,442.23	1/4	2,146.24
1/2		1/2		1/2		1/2	3,747.08	1/2	3,503.05	1/2	3,250.41	1/2	2,997.77	1/2	2,731.50	1/2	2,436.06	1/2	2,140.07
3/4		3/4		3/4		3/4	3,743.98	3/4	3,497.79	3/4	3,245.15	3/4	2,992.51	3/4	2,725.36	3/4	2,429.90	3/4	2,133.91
2		2		2		2	3,739.84	2	3,492.52	2	3,239.88	2	2,987.25	2	2,719.21	2	2,423.73	2	2,127.74
1/4		1/4		1/4		1/4	3,735.69	1/4	3,487.26	1/4	3,234.62	1/4	2,981.98	1/4	2,713.06	1/4	2,417.56	1/4	2,121.58
1/2		1/2		1/2		1/2	3,731.55	1/2	3,482.00	1/2	3,229.36	1/2	2,976.72	1/2	2,706.91	1/2	2,411.40	1/2	2,115.41
3/4		3/4		3/4		3/4	3,727.40	3/4	3,476.73	3/4	3,224.09	3/4	2,971.46	3/4	2,700.77	3/4	2,405.23	3/4	2,109.24
3		3		3		3	3,722.28	3	3,471.47	3	3,218.83	3	2,966.19	3	2,694.62	3	2,399.06	3	2,103.08
1/4		1/4		1/4		1/4	3,717.15	1/4	3,466.21	1/4	3,213.57	1/4	2,960.93	1/4	2,688.47	1/4	2,392.90	1/4	2,096.91
1/2		1/2		1/2		1/2	3,712.02	1/2	3,460.94	1/2	3,208.30	1/2	2,955.67	1/2	2,682.32	1/2	2,386.73	1/2	2,090.74
3/4		3/4		3/4		3/4	3,706.89	3/4	3,455.68	3/4	3,203.04	3/4	2,950.40	3/4	2,676.18	3/4	2,380.56	3/4	2,084.58
4		4		4		4	3,701.72	4	3,450.42	4	3,197.78	4	2,945.14	4	2,670.03	4	2,374.40	4	2,078.41
1/4		1/4		1/4		1/4	3,696.56	1/4	3,445.15	1/4	3,192.51	1/4	2,939.88	1/4	2,663.88	1/4	2,368.23	1/4	2,072.24
1/2		1/2		1/2		1/2	3,691.39	1/2	3,439.89	1/2	3,187.25	1/2	2,934.61	1/2	2,657.73	1/2	2,362.06	1/2	2,066.08
3/4		3/4		3/4		3/4	3,686.23	3/4	3,434.63	3/4	3,181.99	3/4	2,929.35	3/4	2,651.58	3/4	2,355.90	3/4	2,059.91
5		5		5		5	3,681.05	5	3,429.36	5	3,176.72	5	2,924.09	5	2,645.44	5	2,349.73	5	2,053.74
1/4		1/4		1/4		1/4	3,675.87	1/4	3,424.10	1/4	3,171.46	1/4	2,918.82	1/4	2,639.29	1/4	2,343.57	1/4	2,047.58
1/2		1/2		1/2		1/2	3,670.69	1/2	3,418.84	1/2	3,166.20	1/2	2,913.56	1/2	2,633.14	1/2	2,337.40	1/2	2,041.41
3/4		3/4		3/4		3/4	3,665.51	3/4	3,413.57	3/4	3,160.93	3/4	2,908.30	3/4	2,626.99	3/4	2,331.23	3/4	2,035.25
6		6		6		6	3,660.34	6	3,408.31	6	3,155.67	6	2,903.03	6	2,620.85	6	2,325.07	6	2,029.08
1/4		1/4		1/4		1/4	3,655.16	1/4	3,403.05	1/4	3,150.41	1/4	2,897.77	1/4	2,614.70	1/4	2,318.90	1/4	2,022.91
1/2		1/2		1/2		1/2	3,649.99	1/2	3,397.78	1/2	3,145.14	1/2	2,892.51	1/2	2,608.55	1/2	2,312.73	1/2	2,016.75
3/4		3/4		3/4		3/4	3,644.81	3/4	3,392.52	3/4	3,139.88	3/4	2,887.24	3/4	2,602.40	3/4	2,306.57	3/4	2,010.58
7		7		7		7	3,639.63	7	3,387.26	7	3,134.62	7	2,881.98	7	2,596.26	7	2,300.40	7	2,004.41
1/4		1/4		1/4		1/4	3,634.46	1/4	3,381.99	1/4	3,129.35	1/4	2,876.72	1/4	2,590.11	1/4	2,294.23	1/4	1,998.25
1/2		1/2		1/2		1/2	3,629.28	1/2	3,376.73	1/2	3,124.09	1/2	2,871.45	1/2	2,583.96	1/2	2,288.07	1/2	1,992.08
3/4		3/4		3/4		3/4	3,624.10	3/4	3,371.47	3/4	3,118.83	3/4	2,866.19	3/4	2,577.81	3/4	2,281.90	3/4	1,985.91
8		8		8		8	3,618.84	8	3,366.20	8	3,113.56	8	2,860.90	8	2,571.67	8	2,275.74	8	1,979.75
1/4		1/4		1/4		1/4	3,613.58	1/4	3,360.94	1/4	3,108.30	1/4	2,855.61	1/4	2,565.52	1/4	2,269.57	1/4	1,973.58
1/2		1/2		1/2		1/2	3,608.31	1/2	3,355.68	1/2	3,103.04	1/2	2,850.32	1/2	2,559.37	1/2	2,263.40	1/2	1,967.42
3/4		3/4		3/4		3/4	3,603.05	3/4	3,350.41	3/4	3,097.77	3/4	2,845.04	3/4	2,553.22	3/4	2,257.24	3/4	1,961.25
9		9		9		9	3,597.79	9	3,345.15	9	3,092.51	9	2,839.75	9	2,547.06	9	2,251.07	9	1,955.08
1/4		1/4		1/4		1/4	3,592.52	1/4	3,339.89	1/4	3,087.25	1/4	2,834.46	1/4	2,540.89	1/4	2,244.90	1/4	1,948.92
1/2		1/2		1/2		1/2	3,587.26	1/2	3,334.62	1/2	3,081.98	1/2	2,829.17	1/2	2,534.72	1/2	2,238.74	1/2	1,942.75
3/4		3/4		3/4		3/4	3,582.00	3/4	3,329.36	3/4	3,076.72	3/4	2,823.88	3/4	2,528.56	3/4	2,232.57	3/4	1,936.58
10		10		10		10	3,576.74	10	3,324.10	10	3,071.46	10	2,817.69	10	2,522.39	10	2,226.40	10	1,930.42
1/4		1/4		1/4		1/4	3,571.47	1/4	3,318.83	1/4	3,066.19	1/4	2,811.51	1/4	2,516.22	1/4	2,220.24	1/4	1,924.25
1/2		1/2		1/2		1/2	3,566.21	1/2	3,313.57	1/2	3,060.93	1/2	2,805.32	1/2	2,510.06	1/2	2,214.07	1/2	1,918.08
3/4		3/4		3/4		3/4	3,560.95	3/4	3,308.31	3/4	3,055.67	3/4	2,799.13	3/4	2,503.89	3/4	2,207.90	3/4	1,911.92
11		11		11		11	3,555.68	11	3,303.04	11	3,050.40	11	2,792.98	11	2,497.73	11	2,201.74	11	1,905.75
1/4		1/4		1/4		1/4	3,550.42	1/4	3,297.78	1/4	3,045.14	1/4	2,786.83	1/4	2,491.56	1/4	2,195.57	1/4	1,899.58
1/2		1/2		1/2		1/2	3,545.16	1/2	3,292.52	1/2	3,039.88	1/2	2,780.68	1/2	2,485.39	1/2	2,189.41	1/2	1,893.42
3/4		3/4		3/4		3/4	3,760.49	3/4	3,539.89	3/4	3,287.25	3/4	3,034.62	3/4	2,774.54	3/4	2,479.23	3/4	2,183.24

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 ON CENTERLINE AND 32'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "KIRBY 10097"

## 1 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	1,881.09	0	1,584.85	0	1,288.46	0	992.06	0	701.70	0	405.16	0	108.60	0		0		0	
1/4	1,874.92	1/4	1,578.68	1/4	1,282.28	1/4	985.89	1/4	695.54	1/4	398.98	1/4	102.45	1/4		1/4		1/4	
1/2	1,868.75	1/2	1,572.50	1/2	1,276.11	1/2	979.71	1/2	689.38	1/2	392.80	1/2	96.29	1/2		1/2		1/2	
3/4	1,862.59	3/4	1,566.33	3/4	1,269.93	3/4	973.54	3/4	683.22	3/4	386.62	3/4	90.14	3/4		3/4		3/4	
1	1,856.42	1	1,560.15	1	1,263.76	1	967.43	1	677.04	1	380.44	1	84.02	1		1		1	
1/4	1,850.25	1/4	1,553.98	1/4	1,257.58	1/4	961.32	1/4	670.86	1/4	374.27	1/4	77.90	1/4		1/4		1/4	
1/2	1,844.09	1/2	1,547.81	1/2	1,251.41	1/2	955.20	1/2	664.68	1/2	368.09	1/2	71.78	1/2		1/2		1/2	
3/4	1,837.92	3/4	1,541.63	3/4	1,245.24	3/4	949.09	3/4	658.51	3/4	361.91	3/4	65.66	3/4		3/4		3/4	
2	1,831.75	2	1,535.46	2	1,239.06	2	943.04	2	652.33	2	355.73	2	59.60	2		2		2	
1/4	1,825.59	1/4	1,529.28	1/4	1,232.89	1/4	936.99	1/4	646.15	1/4	349.55	1/4	53.54	1/4		1/4		1/4	
1/2	1,819.42	1/2	1,523.11	1/2	1,226.71	1/2	930.94	1/2	639.97	1/2	343.37	1/2	47.48	1/2		1/2		1/2	
3/4	1,813.26	3/4	1,516.93	3/4	1,220.54	3/4	924.89	3/4	633.79	3/4	337.19	3/4	41.41	3/4		3/4		3/4	
3	1,807.08	3	1,510.76	3	1,214.36	3	918.84	3	627.61	3	331.01	3	36.26	3		3		3	
1/4	1,800.91	1/4	1,504.58	1/4	1,208.19	1/4	912.80	1/4	621.43	1/4	324.83	1/4	31.11	1/4		1/4		1/4	
1/2	1,794.73	1/2	1,498.41	1/2	1,202.01	1/2	906.75	1/2	615.25	1/2	318.65	1/2	25.96	1/2		1/2		1/2	
3/4	1,788.56	3/4	1,492.23	3/4	1,195.84	3/4	900.70	3/4	609.08	3/4	312.47	3/4	20.81	3/4		3/4		3/4	
4	1,782.38	4	1,486.06	4	1,189.66	4	894.67	4	602.90	4	306.29	4	17.72	4		4		4	
1/4	1,776.21	1/4	1,479.88	1/4	1,183.49	1/4	888.64	1/4	596.72	1/4	300.12	1/4	14.62	1/4		1/4		1/4	
1/2	1,770.03	1/2	1,473.71	1/2	1,177.31	1/2	882.60	1/2	590.54	1/2	293.94	1/2	11.53	1/2		1/2		1/2	
3/4	1,763.86	3/4	1,467.53	3/4	1,171.14	3/4	876.57	3/4	584.36	3/4	287.76	3/4	8.43	3/4		3/4		3/4	
5	1,757.68	5	1,461.36	5	1,164.96	5	870.55	5	578.18	5	281.58	5	7.40	5		5		5	
1/4	1,751.51	1/4	1,455.18	1/4	1,158.79	1/4	864.54	1/4	572.00	1/4	275.40	1/4	6.37	1/4		1/4		1/4	
1/2	1,745.33	1/2	1,449.01	1/2	1,152.61	1/2	858.52	1/2	565.82	1/2	269.22	1/2	5.34	1/2		1/2		1/2	
3/4	1,739.16	3/4	1,442.83	3/4	1,146.44	3/4	852.51	3/4	559.64	3/4	263.04	3/4	4.31	3/4		3/4		3/4	
6	1,732.99	6	1,436.66	6	1,140.26	6	846.49	6	553.46	6	256.86	6		6		6		6	
1/4	1,726.81	1/4	1,430.48	1/4	1,134.09	1/4	840.47	1/4	547.28	1/4	250.68	1/4		1/4		1/4		1/4	
1/2	1,720.64	1/2	1,424.31	1/2	1,127.91	1/2	834.46	1/2	541.10	1/2	244.50	1/2		1/2		1/2		1/2	
3/4	1,714.47	3/4	1,418.13	3/4	1,121.74	3/4	828.44	3/4	534.92	3/4	238.32	3/4		3/4		3/4		3/4	
7	1,708.29	7	1,411.96	7	1,115.56	7	822.43	7	528.75	7	232.14	7		7		7		7	
1/4	1,702.12	1/4	1,405.78	1/4	1,109.39	1/4	816.41	1/4	522.57	1/4	225.96	1/4		1/4		1/4		1/4	
1/2	1,695.95	1/2	1,399.61	1/2	1,103.21	1/2	810.39	1/2	516.39	1/2	219.79	1/2		1/2		1/2		1/2	
3/4	1,689.78	3/4	1,393.43	3/4	1,097.04	3/4	804.38	3/4	510.21	3/4	213.61	3/4		3/4		3/4		3/4	
8	1,683.61	8	1,387.26	8	1,090.86	8	798.36	8	504.03	8	207.43	8		8		8		8	
1/4	1,677.43	1/4	1,381.08	1/4	1,084.69	1/4	792.34	1/4	497.85	1/4	201.25	1/4		1/4		1/4		1/4	
1/2	1,671.26	1/2	1,374.91	1/2	1,078.51	1/2	786.33	1/2	491.67	1/2	195.07	1/2		1/2		1/2		1/2	
3/4	1,665.09	3/4	1,368.73	3/4	1,072.34	3/4	780.31	3/4	485.49	3/4	188.89	3/4		3/4		3/4		3/4	
9	1,658.92	9	1,362.56	9	1,066.16	9	774.30	9	479.31	9	182.71	9		9		9		9	
1/4	1,652.75	1/4	1,356.38	1/4	1,059.99	1/4	768.28	1/4	473.13	1/4	176.53	1/4		1/4		1/4		1/4	
1/2	1,646.58	1/2	1,350.21	1/2	1,053.81	1/2	762.26	1/2	466.95	1/2	170.35	1/2		1/2		1/2		1/2	
3/4	1,640.40	3/4	1,344.03	3/4	1,047.64	3/4	756.25	3/4	460.77	3/4	164.18	3/4		3/4		3/4		3/4	
10	1,634.23	10	1,337.86	10	1,041.46	10	750.23	10	454.60	10	157.99	10		10		10		10	
1/4	1,628.06	1/4	1,331.68	1/4	1,035.29	1/4	744.22	1/4	448.42	1/4	151.81	1/4		1/4		1/4		1/4	
1/2	1,621.89	1/2	1,325.51	1/2	1,029.11	1/2	738.20	1/2	442.24	1/2	145.62	1/2		1/2		1/2		1/2	
3/4	1,615.72	3/4	1,319.33	3/4	1,022.94	3/4	732.18	3/4	436.06	3/4	139.44	3/4		3/4		3/4		3/4	
11	1,609.54	11	1,313.16	11	1,016.76	11	726.10	11	429.88	11	133.26	11		11		11		11	
1/4	1,603.37	1/4	1,306.98	1/4	1,010.59	1/4	720.02	1/4	423.70	1/4	127.09	1/4		1/4		1/4		1/4	
1/2	1,597.20	1/2	1,300.81	1/2	1,004.41	1/2	713.94	1/2	417.52	1/2	120.92	1/2		1/2		1/2		1/2	
3/4	1,591.03	3/4	1,294.63	3/4	998.24	3/4	707.86	3/4	411.34	3/4	114.75	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/22/2014 CL  
CALCULATED: 01/22/2014 CL  
VERIFIED: 02/20/2024 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2024



# BARGE "KIRBY 10097"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 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		0	3,255.34	0	2,993.39	0	2,731.44	0	2,469.05	0	2,205.69	0	1,942.34
1/4		1/4		1/4		1/4	3,476.60	1/4	3,249.88	1/4	2,987.93	1/4	2,725.98	1/4	2,463.56	1/4	2,200.21	1/4	1,936.85
1/2		1/2		1/2		1/2	3,475.68	1/2	3,244.43	1/2	2,982.48	1/2	2,720.53	1/2	2,458.08	1/2	2,194.72	1/2	1,931.36
3/4		3/4		3/4		3/4	3,474.77	3/4	3,238.97	3/4	2,977.02	3/4	2,715.07	3/4	2,452.59	3/4	2,189.23	3/4	1,925.88
1		1		1		1	3,473.85	1	3,233.51	1	2,971.56	1	2,709.61	1	2,447.10	1	2,183.75	1	1,920.39
1/4		1/4		1/4		1/4	3,472.94	1/4	3,228.06	1/4	2,966.10	1/4	2,704.15	1/4	2,441.62	1/4	2,178.26	1/4	1,914.90
1/2		1/2		1/2		1/2	3,470.19	1/2	3,222.60	1/2	2,960.65	1/2	2,698.70	1/2	2,436.13	1/2	2,172.77	1/2	1,909.42
3/4		3/4		3/4		3/4	3,467.45	3/4	3,217.14	3/4	2,955.19	3/4	2,693.24	3/4	2,430.64	3/4	2,167.29	3/4	1,903.93
2		2		2		2	3,464.70	2	3,211.68	2	2,949.73	2	2,687.78	2	2,425.16	2	2,161.80	2	1,898.44
1/4		1/4		1/4		1/4	3,461.96	1/4	3,206.23	1/4	2,944.28	1/4	2,682.33	1/4	2,419.67	1/4	2,156.31	1/4	1,892.96
1/2		1/2		1/2		1/2	3,457.51	1/2	3,200.77	1/2	2,938.82	1/2	2,676.87	1/2	2,414.19	1/2	2,150.83	1/2	1,887.47
3/4		3/4		3/4		3/4	3,453.07	3/4	3,195.31	3/4	2,933.36	3/4	2,671.41	3/4	2,408.70	3/4	2,145.34	3/4	1,881.98
3		3		3		3	3,448.62	3	3,189.85	3	2,927.90	3	2,665.95	3	2,403.21	3	2,139.86	3	1,876.50
1/4		1/4		1/4		1/4	3,444.18	1/4	3,184.40	1/4	2,922.45	1/4	2,660.50	1/4	2,397.73	1/4	2,134.37	1/4	1,871.01
1/2		1/2		1/2		1/2	3,438.86	1/2	3,178.94	1/2	2,916.99	1/2	2,655.04	1/2	2,392.24	1/2	2,128.88	1/2	1,865.53
3/4		3/4		3/4		3/4	3,433.54	3/4	3,173.48	3/4	2,911.53	3/4	2,649.58	3/4	2,386.75	3/4	2,123.40	3/4	1,860.04
4		4		4		4	3,428.22	4	3,168.03	4	2,906.07	4	2,644.12	4	2,381.27	4	2,117.91	4	1,854.55
1/4		1/4		1/4		1/4	3,422.91	1/4	3,162.57	1/4	2,900.62	1/4	2,638.67	1/4	2,375.78	1/4	2,112.42	1/4	1,849.07
1/2		1/2		1/2		1/2	3,417.56	1/2	3,157.11	1/2	2,895.16	1/2	2,633.21	1/2	2,370.29	1/2	2,106.94	1/2	1,843.58
3/4		3/4		3/4		3/4	3,412.21	3/4	3,151.65	3/4	2,889.70	3/4	2,627.75	3/4	2,364.81	3/4	2,101.45	3/4	1,838.09
5		5		5		5	3,406.86	5	3,146.20	5	2,884.25	5	2,622.29	5	2,359.32	5	2,095.96	5	1,832.61
1/4		1/4		1/4		1/4	3,401.51	1/4	3,140.74	1/4	2,878.79	1/4	2,616.84	1/4	2,353.83	1/4	2,090.48	1/4	1,827.12
1/2		1/2		1/2		1/2	3,396.15	1/2	3,135.28	1/2	2,873.33	1/2	2,611.38	1/2	2,348.35	1/2	2,084.99	1/2	1,821.63
3/4		3/4		3/4		3/4	3,390.79	3/4	3,129.82	3/4	2,867.87	3/4	2,605.92	3/4	2,342.86	3/4	2,079.50	3/4	1,816.15
6		6		6		6	3,385.43	6	3,124.37	6	2,862.42	6	2,600.47	6	2,337.37	6	2,074.02	6	1,810.66
1/4		1/4		1/4		1/4	3,380.07	1/4	3,118.91	1/4	2,856.96	1/4	2,595.01	1/4	2,331.89	1/4	2,068.53	1/4	1,805.17
1/2		1/2		1/2		1/2	3,374.71	1/2	3,113.45	1/2	2,851.50	1/2	2,589.55	1/2	2,326.40	1/2	2,063.04	1/2	1,799.69
3/4		3/4		3/4		3/4	3,369.35	3/4	3,107.99	3/4	2,846.04	3/4	2,584.09	3/4	2,320.91	3/4	2,057.56	3/4	1,794.20
7		7		7		7	3,363.99	7	3,102.54	7	2,840.59	7	2,578.64	7	2,315.43	7	2,052.07	7	1,788.71
1/4		1/4		1/4		1/4	3,358.63	1/4	3,097.08	1/4	2,835.13	1/4	2,573.18	1/4	2,309.94	1/4	2,046.58	1/4	1,783.23
1/2		1/2		1/2		1/2	3,353.28	1/2	3,091.62	1/2	2,829.67	1/2	2,567.72	1/2	2,304.45	1/2	2,041.10	1/2	1,777.74
3/4		3/4		3/4		3/4	3,347.92	3/4	3,086.17	3/4	2,824.22	3/4	2,562.26	3/4	2,298.97	3/4	2,035.61	3/4	1,772.25
8		8		8		8	3,342.56	8	3,080.71	8	2,818.76	8	2,556.81	8	2,293.48	8	2,030.12	8	1,766.77
1/4		1/4		1/4		1/4	3,337.20	1/4	3,075.25	1/4	2,813.30	1/4	2,551.35	1/4	2,287.99	1/4	2,024.64	1/4	1,761.28
1/2		1/2		1/2		1/2	3,331.74	1/2	3,069.79	1/2	2,807.84	1/2	2,545.86	1/2	2,282.51	1/2	2,019.15	1/2	1,755.79
3/4		3/4		3/4		3/4	3,326.29	3/4	3,064.34	3/4	2,802.39	3/4	2,540.38	3/4	2,277.02	3/4	2,013.66	3/4	1,750.31
9		9		9		9	3,320.83	9	3,058.88	9	2,796.93	9	2,534.89	9	2,271.53	9	2,008.18	9	1,744.82
1/4		1/4		1/4		1/4	3,315.37	1/4	3,053.42	1/4	2,791.47	1/4	2,529.40	1/4	2,266.05	1/4	2,002.69	1/4	1,739.33
1/2		1/2		1/2		1/2	3,309.91	1/2	3,047.96	1/2	2,786.01	1/2	2,523.92	1/2	2,260.56	1/2	1,997.20	1/2	1,733.85
3/4		3/4		3/4		3/4	3,304.46	3/4	3,042.51	3/4	2,780.56	3/4	2,518.43	3/4	2,255.07	3/4	1,991.72	3/4	1,728.36
10		10		10		10	3,299.00	10	3,037.05	10	2,775.10	10	2,512.94	10	2,249.59	10	1,986.23	10	1,722.87
1/4		1/4		1/4		1/4	3,293.54	1/4	3,031.59	1/4	2,769.64	1/4	2,507.46	1/4	2,244.10	1/4	1,980.74	1/4	1,717.39
1/2		1/2		1/2		1/2	3,288.09	1/2	3,026.14	1/2	2,764.18	1/2	2,501.97	1/2	2,238.61	1/2	1,975.26	1/2	1,711.90
3/4		3/4		3/4		3/4	3,282.63	3/4	3,020.68	3/4	2,758.73	3/4	2,496.48	3/4	2,233.13	3/4	1,969.77	3/4	1,706.41
11		11		11		11	3,277.17	11	3,015.22	11	2,753.27	11	2,491.00	11	2,227.64	11	1,964.28	11	1,700.93
1/4		1/4		1/4		1/4	3,271.71	1/4	3,009.76	1/4	2,747.81	1/4	2,485.51	1/4	2,222.15	1/4	1,958.80	1/4	1,695.44
1/2		1/2		1/2		1/2	3,266.26	1/2	3,004.31	1/2	2,742.36	1/2	2,480.02	1/2	2,216.67	1/2	1,953.31	1/2	1,689.95
3/4		3/4		3/4		3/4	3,260.80	3/4	2,998.85	3/4	2,736.90	3/4	2,474.54	3/4	2,211.18	3/4	1,947.82	3/4	1,684.47

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 ON CENTERLINE AND 27'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "KIRBY 10097"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 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	1,678.98	0	1,415.62	0	1,152.11	0	890.37	0	630.97	0	367.51	0	104.09	0		0		0	
1/4	1,673.49	1/4	1,410.14	1/4	1,146.62	1/4	884.96	1/4	625.52	1/4	362.02	1/4	98.61	1/4		1/4		1/4	
1/2	1,668.01	1/2	1,404.65	1/2	1,141.13	1/2	879.56	1/2	620.03	1/2	356.53	1/2	93.16	1/2		1/2		1/2	
3/4	1,662.52	3/4	1,399.16	3/4	1,135.64	3/4	874.15	3/4	614.54	3/4	351.04	3/4	87.70	3/4		3/4		3/4	
1	1,657.03	1	1,393.67	1	1,130.15	1	868.75	1	609.05	1	345.55	1	82.25	1		1		1	
1/4	1,651.55	1/4	1,388.18	1/4	1,124.66	1/4	863.34	1/4	603.56	1/4	340.06	1/4	76.79	1/4		1/4		1/4	
1/2	1,646.06	1/2	1,382.69	1/2	1,119.17	1/2	857.94	1/2	598.07	1/2	334.57	1/2	71.37	1/2		1/2		1/2	
3/4	1,640.57	3/4	1,377.20	3/4	1,113.68	3/4	852.53	3/4	592.59	3/4	329.08	3/4	65.94	3/4		3/4		3/4	
2	1,635.09	2	1,371.71	2	1,108.19	2	847.13	2	587.10	2	323.59	2	60.51	2		2		2	
1/4	1,629.60	1/4	1,366.22	1/4	1,102.70	1/4	841.72	1/4	581.61	1/4	318.11	1/4	55.09	1/4		1/4		1/4	
1/2	1,624.11	1/2	1,360.73	1/2	1,097.21	1/2	836.31	1/2	576.12	1/2	312.62	1/2	49.71	1/2		1/2		1/2	
3/4	1,618.63	3/4	1,355.24	3/4	1,091.72	3/4	830.91	3/4	570.63	3/4	307.13	3/4	44.34	3/4		3/4		3/4	
3	1,613.14	3	1,349.75	3	1,086.23	3	825.50	3	565.14	3	301.64	3	38.96	3		3		3	
1/4	1,607.65	1/4	1,344.26	1/4	1,080.74	1/4	820.10	1/4	559.65	1/4	296.15	1/4	33.58	1/4		1/4		1/4	
1/2	1,602.17	1/2	1,338.77	1/2	1,075.25	1/2	814.70	1/2	554.16	1/2	290.66	1/2	29.02	1/2		1/2		1/2	
3/4	1,596.68	3/4	1,333.28	3/4	1,069.76	3/4	809.30	3/4	548.67	3/4	285.17	3/4	24.45	3/4		3/4		3/4	
4	1,591.20	4	1,327.79	4	1,064.27	4	803.90	4	543.18	4	279.68	4	19.88	4		4		4	
1/4	1,585.71	1/4	1,322.30	1/4	1,058.78	1/4	798.50	1/4	537.69	1/4	274.19	1/4	15.32	1/4		1/4		1/4	
1/2	1,580.22	1/2	1,316.81	1/2	1,053.29	1/2	793.10	1/2	532.20	1/2	268.70	1/2	12.57	1/2		1/2		1/2	
3/4	1,574.74	3/4	1,311.32	3/4	1,047.80	3/4	787.70	3/4	526.71	3/4	263.21	3/4	9.83	3/4		3/4		3/4	
5	1,569.25	5	1,305.83	5	1,042.31	5	782.30	5	521.22	5	257.72	5	7.08	5		5		5	
1/4	1,563.76	1/4	1,300.34	1/4	1,036.82	1/4	776.90	1/4	515.73	1/4	252.23	1/4	4.34	1/4		1/4		1/4	
1/2	1,558.28	1/2	1,294.85	1/2	1,031.33	1/2	771.50	1/2	510.24	1/2	246.74	1/2	3.42	1/2		1/2		1/2	
3/4	1,552.79	3/4	1,289.36	3/4	1,025.84	3/4	766.10	3/4	504.75	3/4	241.25	3/4	2.51	3/4		3/4		3/4	
6	1,547.30	6	1,283.87	6	1,020.35	6	760.70	6	499.26	6	235.76	6	1.59	6		6		6	
1/4	1,541.82	1/4	1,278.38	1/4	1,014.86	1/4	755.30	1/4	493.77	1/4	230.27	1/4	0.68	1/4		1/4		1/4	
1/2	1,536.33	1/2	1,272.89	1/2	1,009.41	1/2	749.90	1/2	488.28	1/2	224.78	1/2		1/2		1/2		1/2	
3/4	1,530.84	3/4	1,267.40	3/4	1,003.96	3/4	744.50	3/4	482.79	3/4	219.29	3/4		3/4		3/4		3/4	
7	1,525.36	7	1,261.91	7	998.51	7	739.10	7	477.30	7	213.80	7		7		7		7	
1/4	1,519.87	1/4	1,256.42	1/4	993.07	1/4	733.70	1/4	471.81	1/4	208.31	1/4		1/4		1/4		1/4	
1/2	1,514.38	1/2	1,250.93	1/2	987.66	1/2	728.30	1/2	466.32	1/2	202.82	1/2		1/2		1/2		1/2	
3/4	1,508.90	3/4	1,245.44	3/4	982.26	3/4	722.90	3/4	460.83	3/4	197.33	3/4		3/4		3/4		3/4	
8	1,503.41	8	1,239.95	8	976.85	8	717.50	8	455.35	8	191.84	8		8		8		8	
1/4	1,497.92	1/4	1,234.46	1/4	971.44	1/4	712.10	1/4	449.86	1/4	186.35	1/4		1/4		1/4		1/4	
1/2	1,492.44	1/2	1,228.97	1/2	966.04	1/2	706.70	1/2	444.37	1/2	180.87	1/2		1/2		1/2		1/2	
3/4	1,486.95	3/4	1,223.48	3/4	960.63	3/4	701.30	3/4	438.88	3/4	175.38	3/4		3/4		3/4		3/4	
9	1,481.46	9	1,217.99	9	955.23	9	695.90	9	433.39	9	169.89	9		9		9		9	
1/4	1,475.98	1/4	1,212.50	1/4	949.82	1/4	690.50	1/4	427.90	1/4	164.40	1/4		1/4		1/4		1/4	
1/2	1,470.49	1/2	1,207.01	1/2	944.42	1/2	685.10	1/2	422.41	1/2	158.91	1/2		1/2		1/2		1/2	
3/4	1,465.00	3/4	1,201.52	3/4	939.01	3/4	679.70	3/4	416.92	3/4	153.42	3/4		3/4		3/4		3/4	
10	1,459.52	10	1,196.03	10	933.61	10	674.30	10	411.43	10	147.93	10		10		10		10	
1/4	1,454.03	1/4	1,190.54	1/4	928.20	1/4	668.90	1/4	405.94	1/4	142.44	1/4		1/4		1/4		1/4	
1/2	1,448.54	1/2	1,185.05	1/2	922.80	1/2	663.51	1/2	400.45	1/2	136.96	1/2		1/2		1/2		1/2	
3/4	1,443.06	3/4	1,179.56	3/4	917.39	3/4	658.11	3/4	394.96	3/4	131.47	3/4		3/4		3/4		3/4	
11	1,437.57	11	1,174.07	11	911.99	11	652.71	11	389.47	11	125.99	11		11		11		11	
1/4	1,432.08	1/4	1,168.58	1/4	906.58	1/4	647.31	1/4	383.98	1/4	120.50	1/4		1/4		1/4		1/4	
1/2	1,426.60	1/2	1,163.09	1/2	901.18	1/2	641.86	1/2	378.49	1/2	115.03	1/2		1/2		1/2		1/2	
3/4	1,421.11	3/4	1,157.60	3/4	895.77	3/4	636.42	3/4	373.00	3/4	109.56	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/22/2014 CL  
CALCULATED: 01/22/2014 CL  
VERIFIED: 02/20/2024 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2024



# BARGE "KIRBY 10097"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

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	3,451.44	0	3,226.66	0	2,966.93	0	2,707.19	0	2,447.00	0	2,185.87	0	1,924.75
1/4		1/4		1/4		1/4	3,450.54	1/4	3,221.25	1/4	2,961.51	1/4	2,701.78	1/4	2,441.56	1/4	2,180.43	1/4	1,919.31
1/2		1/2		1/2		1/2	3,449.63	1/2	3,215.84	1/2	2,956.10	1/2	2,696.37	1/2	2,436.12	1/2	2,174.99	1/2	1,913.87
3/4		3/4		3/4		3/4	3,448.72	3/4	3,210.43	3/4	2,950.69	3/4	2,690.96	3/4	2,430.68	3/4	2,169.55	3/4	1,908.43
1		1		1		1	3,447.82	1	3,205.01	1	2,945.28	1	2,685.55	1	2,425.24	1	2,164.11	1	1,902.99
1/4		1/4		1/4		1/4	3,445.09	1/4	3,199.60	1/4	2,939.87	1/4	2,680.14	1/4	2,419.80	1/4	2,158.67	1/4	1,897.55
1/2		1/2		1/2		1/2	3,442.37	1/2	3,194.19	1/2	2,934.46	1/2	2,674.73	1/2	2,414.36	1/2	2,153.23	1/2	1,892.11
3/4		3/4		3/4		3/4	3,439.65	3/4	3,188.78	3/4	2,929.05	3/4	2,669.32	3/4	2,408.92	3/4	2,147.79	3/4	1,886.67
2		2		2		2	3,436.93	2	3,183.37	2	2,923.64	2	2,663.90	2	2,403.48	2	2,142.35	2	1,881.23
1/4		1/4		1/4		1/4	3,432.52	1/4	3,177.96	1/4	2,918.23	1/4	2,658.49	1/4	2,398.04	1/4	2,136.91	1/4	1,875.79
1/2		1/2		1/2		1/2	3,428.11	1/2	3,172.55	1/2	2,912.81	1/2	2,653.08	1/2	2,392.60	1/2	2,131.47	1/2	1,870.35
3/4		3/4		3/4		3/4	3,423.71	3/4	3,167.14	3/4	2,907.40	3/4	2,647.67	3/4	2,387.16	3/4	2,126.03	3/4	1,864.91
3		3		3		3	3,419.30	3	3,161.73	3	2,901.99	3	2,642.26	3	2,381.72	3	2,120.59	3	1,859.47
1/4		1/4		1/4		1/4	3,414.03	1/4	3,156.31	1/4	2,896.58	1/4	2,636.85	1/4	2,376.27	1/4	2,115.15	1/4	1,854.03
1/2		1/2		1/2		1/2	3,408.76	1/2	3,150.90	1/2	2,891.17	1/2	2,631.44	1/2	2,370.83	1/2	2,109.71	1/2	1,848.59
3/4		3/4		3/4		3/4	3,403.48	3/4	3,145.49	3/4	2,885.76	3/4	2,626.03	3/4	2,365.39	3/4	2,104.27	3/4	1,843.15
4		4		4		4	3,398.21	4	3,140.08	4	2,880.35	4	2,620.62	4	2,359.95	4	2,098.83	4	1,837.71
1/4		1/4		1/4		1/4	3,392.91	1/4	3,134.67	1/4	2,874.94	1/4	2,615.20	1/4	2,354.51	1/4	2,093.39	1/4	1,832.26
1/2		1/2		1/2		1/2	3,387.61	1/2	3,129.26	1/2	2,869.53	1/2	2,609.79	1/2	2,349.07	1/2	2,087.95	1/2	1,826.82
3/4		3/4		3/4		3/4	3,382.30	3/4	3,123.85	3/4	2,864.11	3/4	2,604.38	3/4	2,343.63	3/4	2,082.51	3/4	1,821.38
5		5		5		5	3,377.00	5	3,118.44	5	2,858.70	5	2,598.97	5	2,338.19	5	2,077.07	5	1,815.94
1/4		1/4		1/4		1/4	3,371.68	1/4	3,113.03	1/4	2,853.29	1/4	2,593.56	1/4	2,332.75	1/4	2,071.63	1/4	1,810.50
1/2		1/2		1/2		1/2	3,366.36	1/2	3,107.61	1/2	2,847.88	1/2	2,588.15	1/2	2,327.31	1/2	2,066.19	1/2	1,805.06
3/4		3/4		3/4		3/4	3,361.05	3/4	3,102.20	3/4	2,842.47	3/4	2,582.74	3/4	2,321.87	3/4	2,060.75	3/4	1,799.62
6		6		6		6	3,355.73	6	3,096.79	6	2,837.06	6	2,577.33	6	2,316.43	6	2,055.31	6	1,794.18
1/4		1/4		1/4		1/4	3,350.42	1/4	3,091.38	1/4	2,831.65	1/4	2,571.92	1/4	2,310.99	1/4	2,049.87	1/4	1,788.74
1/2		1/2		1/2		1/2	3,345.10	1/2	3,085.97	1/2	2,826.24	1/2	2,566.50	1/2	2,305.55	1/2	2,044.43	1/2	1,783.30
3/4		3/4		3/4		3/4	3,339.79	3/4	3,080.56	3/4	2,820.83	3/4	2,561.09	3/4	2,300.11	3/4	2,038.99	3/4	1,777.86
7		7		7		7	3,334.48	7	3,075.15	7	2,815.42	7	2,555.68	7	2,294.67	7	2,033.55	7	1,772.42
1/4		1/4		1/4		1/4	3,329.17	1/4	3,069.74	1/4	2,810.00	1/4	2,550.27	1/4	2,289.23	1/4	2,028.11	1/4	1,766.98
1/2		1/2		1/2		1/2	3,323.86	1/2	3,064.33	1/2	2,804.59	1/2	2,544.86	1/2	2,283.79	1/2	2,022.67	1/2	1,761.54
3/4		3/4		3/4		3/4	3,318.55	3/4	3,058.91	3/4	2,799.18	3/4	2,539.45	3/4	2,278.35	3/4	2,017.23	3/4	1,756.10
8		8		8		8	3,313.24	8	3,053.50	8	2,793.77	8	2,534.04	8	2,272.91	8	2,011.79	8	1,750.66
1/4		1/4		1/4		1/4	3,307.83	1/4	3,048.09	1/4	2,788.36	1/4	2,528.60	1/4	2,267.47	1/4	2,006.35	1/4	1,745.22
1/2		1/2		1/2		1/2	3,302.41	1/2	3,042.68	1/2	2,782.95	1/2	2,523.16	1/2	2,262.03	1/2	2,000.91	1/2	1,739.78
3/4		3/4		3/4		3/4	3,297.00	3/4	3,037.27	3/4	2,777.54	3/4	2,517.72	3/4	2,256.59	3/4	1,995.47	3/4	1,734.34
9		9		9		9	3,291.59	9	3,031.86	9	2,772.13	9	2,512.28	9	2,251.15	9	1,990.03	9	1,728.90
1/4		1/4		1/4		1/4	3,286.18	1/4	3,026.45	1/4	2,766.72	1/4	2,506.84	1/4	2,245.71	1/4	1,984.59	1/4	1,723.46
1/2		1/2		1/2		1/2	3,280.77	1/2	3,021.04	1/2	2,761.30	1/2	2,501.40	1/2	2,240.27	1/2	1,979.15	1/2	1,718.02
3/4		3/4		3/4		3/4	3,275.36	3/4	3,015.63	3/4	2,755.89	3/4	2,495.96	3/4	2,234.83	3/4	1,973.71	3/4	1,712.58
10		10		10		10	3,269.95	10	3,010.21	10	2,750.48	10	2,490.52	10	2,229.39	10	1,968.27	10	1,707.14
1/4		1/4		1/4		1/4	3,264.54	1/4	3,004.80	1/4	2,745.07	1/4	2,485.08	1/4	2,223.95	1/4	1,962.83	1/4	1,701.70
1/2		1/2		1/2		1/2	3,259.13	1/2	2,999.39	1/2	2,739.66	1/2	2,479.64	1/2	2,218.51	1/2	1,957.39	1/2	1,696.26
3/4		3/4		3/4		3/4	3,253.71	3/4	2,993.98	3/4	2,734.25	3/4	2,474.20	3/4	2,213.07	3/4	1,951.95	3/4	1,690.82
11		11		11		11	3,248.30	11	2,988.57	11	2,728.84	11	2,468.76	11	2,207.63	11	1,946.51	11	1,685.38
1/4		1/4		1/4		1/4	3,242.89	1/4	2,983.16	1/4	2,723.43	1/4	2,463.32	1/4	2,202.19	1/4	1,941.07	1/4	1,679.94
1/2		1/2		1/2		1/2	3,237.48	1/2	2,977.75	1/2	2,718.02	1/2	2,457.88	1/2	2,196.75	1/2	1,935.63	1/2	1,674.50
3/4		3/4		3/4		3/4	3,232.07	3/4	2,972.34	3/4	2,712.60	3/4	2,452.44	3/4	2,191.31	3/4	1,930.19	3/4	1,669.06

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 ON CENTERLINE AND 27'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "KIRBY 10097"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

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	1,663.62	0	1,402.50	0	1,141.20	0	880.78	0	620.24	0	358.97	0	97.78	0		0		0	
1/4	1,658.18	1/4	1,397.05	1/4	1,135.76	1/4	875.37	1/4	614.80	1/4	353.52	1/4	92.38	1/4		1/4		1/4	
1/2	1,652.74	1/2	1,391.61	1/2	1,130.31	1/2	869.96	1/2	609.35	1/2	348.08	1/2	86.97	1/2		1/2		1/2	
3/4	1,647.30	3/4	1,386.17	3/4	1,124.87	3/4	864.55	3/4	603.91	3/4	342.64	3/4	81.56	3/4		3/4		3/4	
1	1,641.86	1	1,380.72	1	1,119.42	1	859.15	1	598.47	1	337.20	1	76.15	1		1		1	
1/4	1,636.42	1/4	1,375.28	1/4	1,113.98	1/4	853.74	1/4	593.03	1/4	331.75	1/4	70.77	1/4		1/4		1/4	
1/2	1,630.98	1/2	1,369.83	1/2	1,108.54	1/2	848.33	1/2	587.58	1/2	326.31	1/2	65.39	1/2		1/2		1/2	
3/4	1,625.54	3/4	1,364.39	3/4	1,103.09	3/4	842.92	3/4	582.14	3/4	320.87	3/4	60.01	3/4		3/4		3/4	
2	1,620.10	2	1,358.95	2	1,097.65	2	837.52	2	576.70	2	315.42	2	54.63	2		2		2	
1/4	1,614.66	1/4	1,353.50	1/4	1,092.21	1/4	832.11	1/4	571.25	1/4	309.98	1/4	49.30	1/4		1/4		1/4	
1/2	1,609.22	1/2	1,348.06	1/2	1,086.76	1/2	826.70	1/2	565.81	1/2	304.54	1/2	43.97	1/2		1/2		1/2	
3/4	1,603.78	3/4	1,342.62	3/4	1,081.32	3/4	821.30	3/4	560.37	3/4	299.09	3/4	38.63	3/4		3/4		3/4	
3	1,598.34	3	1,337.17	3	1,075.88	3	815.89	3	554.92	3	293.65	3	33.30	3		3		3	
1/4	1,592.90	1/4	1,331.73	1/4	1,070.43	1/4	810.49	1/4	549.48	1/4	288.21	1/4	28.78	1/4		1/4		1/4	
1/2	1,587.46	1/2	1,326.29	1/2	1,064.99	1/2	805.08	1/2	544.04	1/2	282.76	1/2	24.25	1/2		1/2		1/2	
3/4	1,582.02	3/4	1,320.84	3/4	1,059.54	3/4	799.68	3/4	538.59	3/4	277.32	3/4	19.72	3/4		3/4		3/4	
4	1,576.58	4	1,315.40	4	1,054.10	4	794.28	4	533.15	4	271.88	4	15.19	4		4		4	
1/4	1,571.14	1/4	1,309.95	1/4	1,048.66	1/4	788.84	1/4	527.71	1/4	266.43	1/4	12.47	1/4		1/4		1/4	
1/2	1,565.70	1/2	1,304.51	1/2	1,043.21	1/2	783.40	1/2	522.26	1/2	260.99	1/2	9.75	1/2		1/2		1/2	
3/4	1,560.26	3/4	1,299.07	3/4	1,037.77	3/4	777.97	3/4	516.82	3/4	255.55	3/4	7.03	3/4		3/4		3/4	
5	1,554.82	5	1,293.62	5	1,032.33	5	772.53	5	511.38	5	250.10	5	4.31	5		5		5	
1/4	1,549.38	1/4	1,288.18	1/4	1,026.88	1/4	767.09	1/4	505.93	1/4	244.66	1/4	3.40	1/4		1/4		1/4	
1/2	1,543.94	1/2	1,282.74	1/2	1,021.44	1/2	761.65	1/2	500.49	1/2	239.22	1/2	2.49	1/2		1/2		1/2	
3/4	1,538.50	3/4	1,277.29	3/4	1,015.99	3/4	756.21	3/4	495.05	3/4	233.77	3/4	1.58	3/4		3/4		3/4	
6	1,533.06	6	1,271.85	6	1,010.55	6	750.77	6	489.60	6	228.33	6	0.68	6		6		6	
1/4	1,527.62	1/4	1,266.40	1/4	1,005.11	1/4	745.34	1/4	484.16	1/4	222.89	1/4		1/4		1/4		1/4	
1/2	1,522.18	1/2	1,260.96	1/2	999.74	1/2	739.90	1/2	478.72	1/2	217.44	1/2		1/2		1/2		1/2	
3/4	1,516.74	3/4	1,255.52	3/4	994.33	3/4	734.46	3/4	473.28	3/4	212.00	3/4		3/4		3/4		3/4	
7	1,511.30	7	1,250.07	7	988.92	7	729.02	7	467.83	7	206.56	7		7		7		7	
1/4	1,505.86	1/4	1,244.63	1/4	983.51	1/4	723.58	1/4	462.39	1/4	201.12	1/4		1/4		1/4		1/4	
1/2	1,500.42	1/2	1,239.19	1/2	978.11	1/2	718.14	1/2	456.95	1/2	195.67	1/2		1/2		1/2		1/2	
3/4	1,494.98	3/4	1,233.74	3/4	972.70	3/4	712.71	3/4	451.50	3/4	190.23	3/4		3/4		3/4		3/4	
8	1,489.54	8	1,228.30	8	967.29	8	707.27	8	446.06	8	184.79	8		8		8		8	
1/4	1,484.10	1/4	1,222.85	1/4	961.88	1/4	701.83	1/4	440.62	1/4	179.34	1/4		1/4		1/4		1/4	
1/2	1,478.66	1/2	1,217.41	1/2	956.48	1/2	696.39	1/2	435.17	1/2	173.90	1/2		1/2		1/2		1/2	
3/4	1,473.22	3/4	1,211.97	3/4	951.07	3/4	690.95	3/4	429.73	3/4	168.46	3/4		3/4		3/4		3/4	
9	1,467.78	9	1,206.52	9	945.66	9	685.51	9	424.29	9	163.01	9		9		9		9	
1/4	1,462.34	1/4	1,201.08	1/4	940.26	1/4	680.08	1/4	418.84	1/4	157.57	1/4		1/4		1/4		1/4	
1/2	1,456.90	1/2	1,195.64	1/2	934.85	1/2	674.64	1/2	413.40	1/2	152.13	1/2		1/2		1/2		1/2	
3/4	1,451.46	3/4	1,190.19	3/4	929.44	3/4	669.20	3/4	407.96	3/4	146.68	3/4		3/4		3/4		3/4	
10	1,446.02	10	1,184.75	10	924.03	10	663.76	10	402.51	10	141.24	10		10		10		10	
1/4	1,440.58	1/4	1,179.31	1/4	918.63	1/4	658.32	1/4	397.07	1/4	135.80	1/4		1/4		1/4		1/4	
1/2	1,435.14	1/2	1,173.86	1/2	913.22	1/2	652.89	1/2	391.63	1/2	130.37	1/2		1/2		1/2		1/2	
3/4	1,429.70	3/4	1,168.42	3/4	907.81	3/4	647.45	3/4	386.18	3/4	124.93	3/4		3/4		3/4		3/4	
11	1,424.26	11	1,162.97	11	902.40	11	642.01	11	380.74	11	119.49	11		11		11		11	
1/4	1,418.82	1/4	1,157.53	1/4	897.00	1/4	636.57	1/4	375.30	1/4	114.06	1/4		1/4		1/4		1/4	
1/2	1,413.38	1/2	1,152.09	1/2	891.59	1/2	631.13	1/2	369.85	1/2	108.64	1/2		1/2		1/2		1/2	
3/4	1,407.94	3/4	1,146.64	3/4	886.18	3/4	625.68	3/4	364.41	3/4	103.21	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/22/2014 CL  
CALCULATED: 01/22/2014 CL  
VERIFIED: 02/20/2024 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

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CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2024