



# BARGE "KIRBY 10093"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 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"

January 10, 2024

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

<http://www.pmacorp.net>



# BARGE "KIRBY 10093"

## 1 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	3,761.16	0	3,540.52	0	3,287.83	0	3,035.15	0	2,775.03	0	2,479.67	0	2,183.63
1/4		1/4		1/4		1/4	3,760.13	1/4	3,535.25	1/4	3,282.57	1/4	3,029.89	1/4	2,768.88	1/4	2,473.50	1/4	2,177.46
1/2		1/2		1/2		1/2	3,759.10	1/2	3,529.99	1/2	3,277.31	1/2	3,024.62	1/2	2,762.73	1/2	2,467.33	1/2	2,171.29
3/4		3/4		3/4		3/4	3,758.07	3/4	3,524.72	3/4	3,272.04	3/4	3,019.36	3/4	2,756.58	3/4	2,461.16	3/4	2,165.12
1		1		1		1	3,757.03	1	3,519.46	1	3,266.78	1	3,014.10	1	2,750.44	1	2,455.00	1	2,158.96
1/4		1/4		1/4		1/4	3,753.94	1/4	3,514.19	1/4	3,261.51	1/4	3,008.83	1/4	2,744.29	1/4	2,448.83	1/4	2,152.79
1/2		1/2		1/2		1/2	3,750.84	1/2	3,508.93	1/2	3,256.25	1/2	3,003.57	1/2	2,738.14	1/2	2,442.66	1/2	2,146.62
3/4		3/4		3/4		3/4	3,747.74	3/4	3,503.67	3/4	3,250.98	3/4	2,998.30	3/4	2,731.99	3/4	2,436.49	3/4	2,140.45
2		2		2		2	3,744.65	2	3,498.40	2	3,245.72	2	2,993.04	2	2,725.84	2	2,430.33	2	2,134.29
1/4		1/4		1/4		1/4	3,740.50	1/4	3,493.14	1/4	3,240.46	1/4	2,987.77	1/4	2,719.69	1/4	2,424.16	1/4	2,128.12
1/2		1/2		1/2		1/2	3,736.36	1/2	3,487.87	1/2	3,235.19	1/2	2,982.51	1/2	2,713.54	1/2	2,417.99	1/2	2,121.95
3/4		3/4		3/4		3/4	3,732.21	3/4	3,482.61	3/4	3,229.93	3/4	2,977.25	3/4	2,707.39	3/4	2,411.82	3/4	2,115.78
3		3		3		3	3,728.07	3	3,477.35	3	3,224.66	3	2,971.98	3	2,701.25	3	2,405.66	3	2,109.62
1/4		1/4		1/4		1/4	3,722.94	1/4	3,472.08	1/4	3,219.40	1/4	2,966.72	1/4	2,695.10	1/4	2,399.49	1/4	2,103.45
1/2		1/2		1/2		1/2	3,717.81	1/2	3,466.82	1/2	3,214.13	1/2	2,961.45	1/2	2,688.95	1/2	2,393.32	1/2	2,097.28
3/4		3/4		3/4		3/4	3,712.68	3/4	3,461.55	3/4	3,208.87	3/4	2,956.19	3/4	2,682.80	3/4	2,387.15	3/4	2,091.11
4		4		4		4	3,707.55	4	3,456.29	4	3,203.61	4	2,950.92	4	2,676.65	4	2,380.99	4	2,084.95
1/4		1/4		1/4		1/4	3,702.38	1/4	3,451.02	1/4	3,198.34	1/4	2,945.66	1/4	2,670.50	1/4	2,374.82	1/4	2,078.78
1/2		1/2		1/2		1/2	3,697.21	1/2	3,445.76	1/2	3,193.08	1/2	2,940.40	1/2	2,664.35	1/2	2,368.65	1/2	2,072.61
3/4		3/4		3/4		3/4	3,692.05	3/4	3,440.50	3/4	3,187.81	3/4	2,935.13	3/4	2,658.20	3/4	2,362.48	3/4	2,066.44
5		5		5		5	3,686.88	5	3,435.23	5	3,182.55	5	2,929.87	5	2,652.06	5	2,356.32	5	2,060.28
1/4		1/4		1/4		1/4	3,681.70	1/4	3,429.97	1/4	3,177.29	1/4	2,924.60	1/4	2,645.91	1/4	2,350.15	1/4	2,054.11
1/2		1/2		1/2		1/2	3,676.52	1/2	3,424.70	1/2	3,172.02	1/2	2,919.34	1/2	2,639.76	1/2	2,343.98	1/2	2,047.94
3/4		3/4		3/4		3/4	3,671.34	3/4	3,419.44	3/4	3,166.76	3/4	2,914.08	3/4	2,633.61	3/4	2,337.81	3/4	2,041.77
6		6		6		6	3,666.16	6	3,414.17	6	3,161.49	6	2,908.81	6	2,627.46	6	2,331.65	6	2,035.61
1/4		1/4		1/4		1/4	3,660.99	1/4	3,408.91	1/4	3,156.23	1/4	2,903.55	1/4	2,621.31	1/4	2,325.48	1/4	2,029.44
1/2		1/2		1/2		1/2	3,655.81	1/2	3,403.65	1/2	3,150.96	1/2	2,898.28	1/2	2,615.16	1/2	2,319.31	1/2	2,023.27
3/4		3/4		3/4		3/4	3,650.63	3/4	3,398.38	3/4	3,145.70	3/4	2,893.02	3/4	2,609.02	3/4	2,313.14	3/4	2,017.10
7		7		7		7	3,645.45	7	3,393.12	7	3,140.44	7	2,887.75	7	2,602.87	7	2,306.98	7	2,010.94
1/4		1/4		1/4		1/4	3,640.28	1/4	3,387.85	1/4	3,135.17	1/4	2,882.49	1/4	2,596.72	1/4	2,300.81	1/4	2,004.77
1/2		1/2		1/2		1/2	3,635.10	1/2	3,382.59	1/2	3,129.91	1/2	2,877.23	1/2	2,590.57	1/2	2,294.64	1/2	1,998.60
3/4		3/4		3/4		3/4	3,629.92	3/4	3,377.33	3/4	3,124.64	3/4	2,871.96	3/4	2,584.42	3/4	2,288.47	3/4	1,992.43
8		8		8		8	3,624.74	8	3,372.06	8	3,119.38	8	2,866.70	8	2,578.27	8	2,282.31	8	1,986.27
1/4		1/4		1/4		1/4	3,619.48	1/4	3,366.80	1/4	3,114.12	1/4	2,861.41	1/4	2,572.12	1/4	2,276.14	1/4	1,980.10
1/2		1/2		1/2		1/2	3,614.21	1/2	3,361.53	1/2	3,108.85	1/2	2,856.12	1/2	2,565.97	1/2	2,269.97	1/2	1,973.93
3/4		3/4		3/4		3/4	3,608.95	3/4	3,356.27	3/4	3,103.59	3/4	2,850.83	3/4	2,559.83	3/4	2,263.80	3/4	1,967.76
9		9		9		9	3,603.69	9	3,351.00	9	3,098.32	9	2,845.54	9	2,553.68	9	2,257.64	9	1,961.60
1/4		1/4		1/4		1/4	3,598.42	1/4	3,345.74	1/4	3,093.06	1/4	2,840.25	1/4	2,547.51	1/4	2,251.47	1/4	1,955.43
1/2		1/2		1/2		1/2	3,593.16	1/2	3,340.48	1/2	3,087.79	1/2	2,834.96	1/2	2,541.34	1/2	2,245.30	1/2	1,949.26
3/4		3/4		3/4		3/4	3,587.89	3/4	3,335.21	3/4	3,082.53	3/4	2,829.67	3/4	2,535.17	3/4	2,239.13	3/4	1,943.09
10		10		10		10	3,582.63	10	3,329.95	10	3,077.27	10	2,824.38	10	2,529.01	10	2,232.97	10	1,936.93
1/4		1/4		1/4		1/4	3,577.36	1/4	3,324.68	1/4	3,072.00	1/4	2,818.19	1/4	2,522.84	1/4	2,226.80	1/4	1,930.76
1/2		1/2		1/2		1/2	3,572.10	1/2	3,319.42	1/2	3,066.74	1/2	2,812.00	1/2	2,516.67	1/2	2,220.63	1/2	1,924.59
3/4		3/4		3/4		3/4	3,566.84	3/4	3,314.15	3/4	3,061.47	3/4	2,805.81	3/4	2,510.50	3/4	2,214.46	3/4	1,918.42
11		11		11		11	3,561.57	11	3,308.89	11	3,056.21	11	2,799.62	11	2,504.34	11	2,208.30	11	1,912.26
1/4		1/4		1/4		1/4	3,556.31	1/4	3,303.63	1/4	3,050.94	1/4	2,793.48	1/4	2,498.17	1/4	2,202.13	1/4	1,906.09
1/2		1/2		1/2		1/2	3,551.04	1/2	3,298.36	1/2	3,045.68	1/2	2,787.33	1/2	2,492.00	1/2	2,195.96	1/2	1,899.92
3/4		3/4		3/4		3/4	3,545.78	3/4	3,293.10	3/4	3,040.42	3/4	2,781.18	3/4	2,485.83	3/4	2,189.79	3/4	1,893.75

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 31'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "KIRBY 10093"

## 1 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	1,887.59	0	1,591.31	0	1,294.86	0	998.42	0	707.99	0	411.41	0	114.77	0		0		0	
1/4	1,881.42	1/4	1,585.14	1/4	1,288.69	1/4	992.24	1/4	701.83	1/4	405.23	1/4	108.62	1/4		1/4		1/4	
1/2	1,875.25	1/2	1,578.96	1/2	1,282.51	1/2	986.06	1/2	695.67	1/2	399.05	1/2	102.46	1/2		1/2		1/2	
3/4	1,869.08	3/4	1,572.78	3/4	1,276.34	3/4	979.89	3/4	689.50	3/4	392.87	3/4	96.31	3/4		3/4		3/4	
1	1,862.92	1	1,566.61	1	1,270.16	1	973.71	1	683.34	1	386.69	1	90.16	1		1		1	
1/4	1,856.75	1/4	1,560.43	1/4	1,263.98	1/4	967.60	1/4	677.16	1/4	380.51	1/4	84.04	1/4		1/4		1/4	
1/2	1,850.58	1/2	1,554.26	1/2	1,257.81	1/2	961.49	1/2	670.98	1/2	374.33	1/2	77.92	1/2		1/2		1/2	
3/4	1,844.41	3/4	1,548.08	3/4	1,251.63	3/4	955.37	3/4	664.80	3/4	368.15	3/4	71.80	3/4		3/4		3/4	
2	1,838.25	2	1,541.90	2	1,245.46	2	949.26	2	658.62	2	361.97	2	65.68	2		2		2	
1/4	1,832.08	1/4	1,535.73	1/4	1,239.28	1/4	943.21	1/4	652.44	1/4	355.79	1/4	59.61	1/4		1/4		1/4	
1/2	1,825.91	1/2	1,529.55	1/2	1,233.10	1/2	937.16	1/2	646.26	1/2	349.61	1/2	53.55	1/2		1/2		1/2	
3/4	1,819.74	3/4	1,523.38	3/4	1,226.93	3/4	931.11	3/4	640.08	3/4	343.43	3/4	47.48	3/4		3/4		3/4	
3	1,813.58	3	1,517.20	3	1,220.75	3	925.06	3	633.90	3	337.25	3	41.42	3		3		3	
1/4	1,807.40	1/4	1,511.02	1/4	1,214.58	1/4	919.01	1/4	627.72	1/4	331.07	1/4	36.27	1/4		1/4		1/4	
1/2	1,801.23	1/2	1,504.85	1/2	1,208.40	1/2	912.96	1/2	621.54	1/2	324.89	1/2	31.12	1/2		1/2		1/2	
3/4	1,795.05	3/4	1,498.67	3/4	1,202.22	3/4	906.91	3/4	615.36	3/4	318.71	3/4	25.97	3/4		3/4		3/4	
4	1,788.87	4	1,492.50	4	1,196.05	4	900.86	4	609.18	4	312.53	4	20.82	4		4		4	
1/4	1,782.70	1/4	1,486.32	1/4	1,189.87	1/4	894.83	1/4	603.00	1/4	306.35	1/4	17.72	1/4		1/4		1/4	
1/2	1,776.52	1/2	1,480.14	1/2	1,183.70	1/2	888.79	1/2	596.82	1/2	300.17	1/2	14.62	1/2		1/2		1/2	
3/4	1,770.35	3/4	1,473.97	3/4	1,177.52	3/4	882.76	3/4	590.64	3/4	293.99	3/4	11.53	3/4		3/4		3/4	
5	1,764.17	5	1,467.79	5	1,171.34	5	876.73	5	584.46	5	287.81	5	8.43	5		5		5	
1/4	1,757.99	1/4	1,461.62	1/4	1,165.17	1/4	870.71	1/4	578.28	1/4	281.63	1/4	7.40	1/4		1/4		1/4	
1/2	1,751.82	1/2	1,455.44	1/2	1,158.99	1/2	864.69	1/2	572.10	1/2	275.45	1/2	6.37	1/2		1/2		1/2	
3/4	1,745.64	3/4	1,449.26	3/4	1,152.82	3/4	858.68	3/4	565.92	3/4	269.27	3/4	5.34	3/4		3/4		3/4	
6	1,739.47	6	1,443.09	6	1,146.64	6	852.66	6	559.74	6	263.09	6	4.31	6		6		6	
1/4	1,733.29	1/4	1,436.91	1/4	1,140.46	1/4	846.64	1/4	553.56	1/4	256.91	1/4		1/4		1/4		1/4	
1/2	1,727.12	1/2	1,430.74	1/2	1,134.29	1/2	840.62	1/2	547.38	1/2	250.73	1/2		1/2		1/2		1/2	
3/4	1,720.94	3/4	1,424.56	3/4	1,128.11	3/4	834.61	3/4	541.20	3/4	244.55	3/4		3/4		3/4		3/4	
7	1,714.77	7	1,418.38	7	1,121.94	7	828.59	7	535.02	7	238.37	7		7		7		7	
1/4	1,708.60	1/4	1,412.21	1/4	1,115.76	1/4	822.57	1/4	528.84	1/4	232.19	1/4		1/4		1/4		1/4	
1/2	1,702.42	1/2	1,406.03	1/2	1,109.58	1/2	816.55	1/2	522.66	1/2	226.00	1/2		1/2		1/2		1/2	
3/4	1,696.25	3/4	1,399.86	3/4	1,103.41	3/4	810.54	3/4	516.48	3/4	219.82	3/4		3/4		3/4		3/4	
8	1,690.08	8	1,393.68	8	1,097.23	8	804.52	8	510.30	8	213.64	8		8		8		8	
1/4	1,683.91	1/4	1,387.50	1/4	1,091.06	1/4	798.50	1/4	504.12	1/4	207.46	1/4		1/4		1/4		1/4	
1/2	1,677.73	1/2	1,381.33	1/2	1,084.88	1/2	792.49	1/2	497.94	1/2	201.28	1/2		1/2		1/2		1/2	
3/4	1,671.56	3/4	1,375.15	3/4	1,078.70	3/4	786.47	3/4	491.76	3/4	195.10	3/4		3/4		3/4		3/4	
9	1,665.39	9	1,368.98	9	1,072.53	9	780.45	9	485.58	9	188.92	9		9		9		9	
1/4	1,659.21	1/4	1,362.80	1/4	1,066.35	1/4	774.43	1/4	479.40	1/4	182.74	1/4		1/4		1/4		1/4	
1/2	1,653.04	1/2	1,356.62	1/2	1,060.18	1/2	768.42	1/2	473.22	1/2	176.56	1/2		1/2		1/2		1/2	
3/4	1,646.87	3/4	1,350.45	3/4	1,054.00	3/4	762.40	3/4	467.04	3/4	170.38	3/4		3/4		3/4		3/4	
10	1,640.70	10	1,344.27	10	1,047.82	10	756.38	10	460.86	10	164.20	10		10		10		10	
1/4	1,634.52	1/4	1,338.10	1/4	1,041.65	1/4	750.37	1/4	454.68	1/4	158.02	1/4		1/4		1/4		1/4	
1/2	1,628.35	1/2	1,331.92	1/2	1,035.47	1/2	744.35	1/2	448.50	1/2	151.83	1/2		1/2		1/2		1/2	
3/4	1,622.18	3/4	1,325.74	3/4	1,029.30	3/4	738.33	3/4	442.32	3/4	145.65	3/4		3/4		3/4		3/4	
11	1,616.00	11	1,319.57	11	1,023.12	11	732.31	11	436.13	11	139.46	11		11		11		11	
1/4	1,609.83	1/4	1,313.39	1/4	1,016.94	1/4	726.23	1/4	429.95	1/4	133.29	1/4		1/4		1/4		1/4	
1/2	1,603.66	1/2	1,307.22	1/2	1,010.77	1/2	720.15	1/2	423.77	1/2	127.12	1/2		1/2		1/2		1/2	
3/4	1,597.49	3/4	1,301.04	3/4	1,004.59	3/4	714.07	3/4	417.59	3/4	120.94	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/09/2014 CL  
CALCULATED: 01/09/2014 CL  
VERIFIED: 01/10/2024 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2024





# BARGE "KIRBY 10093"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 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		0	3,264.98	0	3,003.13	0	2,741.28	0	2,479.05	0	2,215.80	0	1,952.54		
1/4		1/4		1/4		1/4		1/4	3,259.52	1/4	2,997.67	1/4	2,735.82	1/4	2,473.56	1/4	2,210.31	1/4	1,947.06		
1/2		1/2		1/2		1/2		1/2	3,254.06	1/2	2,992.22	1/2	2,730.37	1/2	2,468.08	1/2	2,204.83	1/2	1,941.58		
3/4		3/4		3/4		3/4		3/4	3,475.24	3/4	3,248.61	3/4	2,986.76	3/4	2,724.91	3/4	2,462.59	3/4	1,936.09		
1		1		1		1		1	3,474.32	1	3,243.15	1	2,981.30	1	2,719.46	1	2,457.11	1	1,930.61		
1/4		1/4		1/4		1/4		1/4	3,473.41	1/4	3,237.70	1/4	2,975.85	1/4	2,714.00	1/4	2,451.62	1/4	1,925.12		
1/2		1/2		1/2		1/2		1/2	3,472.49	1/2	3,232.24	1/2	2,970.39	1/2	2,708.54	1/2	2,446.14	1/2	1,919.64		
3/4		3/4		3/4		3/4		3/4	3,471.58	3/4	3,226.79	3/4	2,964.94	3/4	2,703.09	3/4	2,440.66	3/4	1,914.15		
2		2		2		2		2	3,468.84	2	3,221.33	2	2,959.48	2	2,697.63	2	2,435.17	2	1,908.67		
1/4		1/4		1/4		1/4		1/4	3,466.09	1/4	3,215.88	1/4	2,954.03	1/4	2,692.18	1/4	2,429.69	1/4	1,903.18		
1/2		1/2		1/2		1/2		1/2	3,463.35	1/2	3,210.42	1/2	2,948.57	1/2	2,686.72	1/2	2,424.20	1/2	1,897.70		
3/4		3/4		3/4		3/4		3/4	3,460.60	3/4	3,204.97	3/4	2,943.12	3/4	2,681.27	3/4	2,418.72	3/4	1,892.22		
3		3		3		3		3	3,456.16	3	3,199.51	3	2,937.66	3	2,675.81	3	2,413.23	3	1,886.73		
1/4		1/4		1/4		1/4		1/4	3,451.72	1/4	3,194.06	1/4	2,932.21	1/4	2,670.36	1/4	2,407.75	1/4	1,881.25		
1/2		1/2		1/2		1/2		1/2	3,447.27	1/2	3,188.60	1/2	2,926.75	1/2	2,664.90	1/2	2,402.27	1/2	1,875.76		
3/4		3/4		3/4		3/4		3/4	3,442.83	3/4	3,183.15	3/4	2,921.30	3/4	2,659.45	3/4	2,396.78	3/4	1,870.28		
4		4		4		4		4	3,437.51	4	3,177.69	4	2,915.84	4	2,653.99	4	2,391.30	4	1,864.79		
1/4		1/4		1/4		1/4		1/4	3,432.20	1/4	3,172.24	1/4	2,910.39	1/4	2,648.54	1/4	2,385.81	1/4	1,859.31		
1/2		1/2		1/2		1/2		1/2	3,426.88	1/2	3,166.78	1/2	2,904.93	1/2	2,643.08	1/2	2,380.33	1/2	1,853.83		
3/4		3/4		3/4		3/4		3/4	3,421.57	3/4	3,161.33	3/4	2,899.48	3/4	2,637.63	3/4	2,374.84	3/4	1,848.34		
5		5		5		5		5	3,416.22	5	3,155.87	5	2,894.02	5	2,632.17	5	2,369.36	5	1,842.86		
1/4		1/4		1/4		1/4		1/4	3,410.87	1/4	3,150.42	1/4	2,888.57	1/4	2,626.72	1/4	2,363.87	1/4	1,837.37		
1/2		1/2		1/2		1/2		1/2	3,405.52	1/2	3,144.96	1/2	2,883.11	1/2	2,621.26	1/2	2,358.39	1/2	1,831.89		
3/4		3/4		3/4		3/4		3/4	3,400.18	3/4	3,139.51	3/4	2,877.66	3/4	2,615.81	3/4	2,352.91	3/4	1,826.40		
6		6		6		6		6	3,394.82	6	3,134.05	6	2,872.20	6	2,610.35	6	2,347.42	6	1,820.92		
1/4		1/4		1/4		1/4		1/4	3,389.46	1/4	3,128.60	1/4	2,866.75	1/4	2,604.90	1/4	2,341.94	1/4	1,815.43		
1/2		1/2		1/2		1/2		1/2	3,384.10	1/2	3,123.14	1/2	2,861.29	1/2	2,599.44	1/2	2,336.45	1/2	1,809.95		
3/4		3/4		3/4		3/4		3/4	3,378.74	3/4	3,117.68	3/4	2,855.84	3/4	2,593.99	3/4	2,330.97	3/4	1,804.47		
7		7		7		7		7	3,373.39	7	3,112.23	7	2,850.38	7	2,588.53	7	2,325.48	7	1,798.98		
1/4		1/4		1/4		1/4		1/4	3,368.03	1/4	3,106.77	1/4	2,844.92	1/4	2,583.08	1/4	2,320.00	1/4	1,793.50		
1/2		1/2		1/2		1/2		1/2	3,362.67	1/2	3,101.32	1/2	2,839.47	1/2	2,577.62	1/2	2,314.51	1/2	1,788.01		
3/4		3/4		3/4		3/4		3/4	3,357.32	3/4	3,095.86	3/4	2,834.01	3/4	2,572.16	3/4	2,309.03	3/4	1,782.53		
8		8		8		8		8	3,351.96	8	3,090.41	8	2,828.56	8	2,566.71	8	2,303.55	8	1,777.04		
1/4		1/4		1/4		1/4		1/4	3,346.60	1/4	3,084.95	1/4	2,823.10	1/4	2,561.25	1/4	2,298.06	1/4	1,771.56		
1/2		1/2		1/2		1/2		1/2	3,341.25	1/2	3,079.50	1/2	2,817.65	1/2	2,555.80	1/2	2,292.58	1/2	1,766.07		
3/4		3/4		3/4		3/4		3/4	3,335.89	3/4	3,074.04	3/4	2,812.19	3/4	2,550.34	3/4	2,287.09	3/4	1,760.59		
9		9		9		9		9	3,330.44	9	3,068.59	9	2,806.74	9	2,544.86	9	2,281.61	9	1,755.11		
1/4		1/4		1/4		1/4		1/4	3,324.98	1/4	3,063.13	1/4	2,801.28	1/4	2,539.38	1/4	2,276.12	1/4	1,749.62		
1/2		1/2		1/2		1/2		1/2	3,319.53	1/2	3,057.68	1/2	2,795.83	1/2	2,533.89	1/2	2,270.64	1/2	1,744.14		
3/4		3/4		3/4		3/4		3/4	3,314.07	3/4	3,052.22	3/4	2,790.37	3/4	2,528.41	3/4	2,265.16	3/4	1,738.65		
10		10		10		10		10	3,308.62	10	3,046.77	10	2,784.92	10	2,522.92	10	2,259.67	10	1,996.42	10	1,733.17
1/4		1/4		1/4		1/4		1/4	3,303.16	1/4	3,041.31	1/4	2,779.46	1/4	2,517.44	1/4	2,254.19	1/4	1,990.94	1/4	1,727.68
1/2		1/2		1/2		1/2		1/2	3,297.71	1/2	3,035.86	1/2	2,774.01	1/2	2,511.95	1/2	2,248.70	1/2	1,985.45	1/2	1,722.20
3/4		3/4		3/4		3/4		3/4	3,292.25	3/4	3,030.40	3/4	2,768.55	3/4	2,506.47	3/4	2,243.22	3/4	1,979.97	3/4	1,716.72
11		11		11		11		11	3,286.80	11	3,024.95	11	2,763.10	11	2,500.98	11	2,237.73	11	1,974.48	11	1,711.23
1/4		1/4		1/4		1/4		1/4	3,281.34	1/4	3,019.49	1/4	2,757.64	1/4	2,495.50	1/4	2,232.25	1/4	1,969.00	1/4	1,705.75
1/2		1/2		1/2		1/2		1/2	3,275.89	1/2	3,014.04	1/2	2,752.19	1/2	2,490.02	1/2	2,226.76	1/2	1,963.51	1/2	1,700.26
3/4		3/4		3/4		3/4		3/4	3,270.43	3/4	3,008.58	3/4	2,746.73	3/4	2,484.53	3/4	2,221.28	3/4	1,958.03	3/4	1,694.78

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'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "KIRBY 10093"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 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	1,689.29	0	1,426.04	0	1,162.63	0	900.82	0	641.61	0	378.34	0	114.99	0		0		0	
1/4	1,683.81	1/4	1,420.56	1/4	1,157.15	1/4	895.42	1/4	636.17	1/4	372.86	1/4	109.52	1/4		1/4		1/4	
1/2	1,678.32	1/2	1,415.07	1/2	1,151.66	1/2	890.02	1/2	630.72	1/2	367.37	1/2	104.04	1/2		1/2		1/2	
3/4	1,672.84	3/4	1,409.59	3/4	1,146.17	3/4	884.61	3/4	625.28	3/4	361.88	3/4	98.57	3/4		3/4		3/4	
1	1,667.36	1	1,404.10	1	1,140.68	1	879.21	1	619.79	1	356.39	1	93.12	1		1		1	
1/4	1,661.87	1/4	1,398.61	1/4	1,135.19	1/4	873.81	1/4	614.31	1/4	350.91	1/4	87.67	1/4		1/4		1/4	
1/2	1,656.39	1/2	1,393.12	1/2	1,129.71	1/2	868.41	1/2	608.82	1/2	345.42	1/2	82.22	1/2		1/2		1/2	
3/4	1,650.90	3/4	1,387.64	3/4	1,124.22	3/4	863.00	3/4	603.33	3/4	339.93	3/4	76.76	3/4		3/4		3/4	
2	1,645.42	2	1,382.15	2	1,118.73	2	857.60	2	597.84	2	334.44	2	71.34	2		2		2	
1/4	1,639.93	1/4	1,376.66	1/4	1,113.24	1/4	852.20	1/4	592.36	1/4	328.96	1/4	65.91	1/4		1/4		1/4	
1/2	1,634.45	1/2	1,371.17	1/2	1,107.75	1/2	846.79	1/2	586.87	1/2	323.47	1/2	60.49	1/2		1/2		1/2	
3/4	1,628.96	3/4	1,365.69	3/4	1,102.27	3/4	841.39	3/4	581.38	3/4	317.98	3/4	55.07	3/4		3/4		3/4	
3	1,623.48	3	1,360.20	3	1,096.78	3	835.99	3	575.89	3	312.49	3	49.69	3		3		3	
1/4	1,618.00	1/4	1,354.71	1/4	1,091.29	1/4	830.58	1/4	570.41	1/4	307.01	1/4	44.32	1/4		1/4		1/4	
1/2	1,612.51	1/2	1,349.22	1/2	1,085.80	1/2	825.18	1/2	564.92	1/2	301.52	1/2	38.94	1/2		1/2		1/2	
3/4	1,607.03	3/4	1,343.73	3/4	1,080.31	3/4	819.78	3/4	559.43	3/4	296.03	3/4	33.57	3/4		3/4		3/4	
4	1,601.54	4	1,338.25	4	1,074.83	4	814.38	4	553.94	4	290.54	4	29.00	4		4		4	
1/4	1,596.06	1/4	1,332.76	1/4	1,069.34	1/4	808.98	1/4	548.46	1/4	285.06	1/4	24.44	1/4		1/4		1/4	
1/2	1,590.57	1/2	1,327.27	1/2	1,063.85	1/2	803.59	1/2	542.97	1/2	279.57	1/2	19.87	1/2		1/2		1/2	
3/4	1,585.09	3/4	1,321.78	3/4	1,058.36	3/4	798.19	3/4	537.48	3/4	274.08	3/4	15.31	3/4		3/4		3/4	
5	1,579.61	5	1,316.29	5	1,052.88	5	792.79	5	531.99	5	268.59	5	12.57	5		5		5	
1/4	1,574.12	1/4	1,310.81	1/4	1,047.39	1/4	787.39	1/4	526.51	1/4	263.11	1/4	9.82	1/4		1/4		1/4	
1/2	1,568.64	1/2	1,305.32	1/2	1,041.90	1/2	781.99	1/2	521.02	1/2	257.62	1/2	7.08	1/2		1/2		1/2	
3/4	1,563.15	3/4	1,299.83	3/4	1,036.41	3/4	776.60	3/4	515.53	3/4	252.13	3/4	4.34	3/4		3/4		3/4	
6	1,557.67	6	1,294.34	6	1,030.92	6	771.20	6	510.04	6	246.64	6	3.42	6		6		6	
1/4	1,552.18	1/4	1,288.85	1/4	1,025.44	1/4	765.80	1/4	504.56	1/4	241.16	1/4	2.51	1/4		1/4		1/4	
1/2	1,546.70	1/2	1,283.37	1/2	1,019.95	1/2	760.40	1/2	499.07	1/2	235.67	1/2	1.59	1/2		1/2		1/2	
3/4	1,541.21	3/4	1,277.88	3/4	1,014.46	3/4	755.01	3/4	493.58	3/4	230.18	3/4	0.68	3/4		3/4		3/4	
7	1,535.73	7	1,272.39	7	1,009.01	7	749.61	7	488.09	7	224.69	7		7		7		7	
1/4	1,530.25	1/4	1,266.90	1/4	1,003.57	1/4	744.21	1/4	482.61	1/4	219.21	1/4		1/4		1/4		1/4	
1/2	1,524.76	1/2	1,261.42	1/2	998.12	1/2	738.81	1/2	477.12	1/2	213.72	1/2		1/2		1/2		1/2	
3/4	1,519.28	3/4	1,255.93	3/4	992.67	3/4	733.42	3/4	471.63	3/4	208.23	3/4		3/4		3/4		3/4	
8	1,513.79	8	1,250.44	8	987.27	8	728.02	8	466.14	8	202.74	8		8		8		8	
1/4	1,508.31	1/4	1,244.95	1/4	981.87	1/4	722.62	1/4	460.66	1/4	197.26	1/4		1/4		1/4		1/4	
1/2	1,502.82	1/2	1,239.46	1/2	976.47	1/2	717.22	1/2	455.17	1/2	191.77	1/2		1/2		1/2		1/2	
3/4	1,497.34	3/4	1,233.98	3/4	971.06	3/4	711.82	3/4	449.68	3/4	186.28	3/4		3/4		3/4		3/4	
9	1,491.85	9	1,228.49	9	965.66	9	706.43	9	444.19	9	180.79	9		9		9		9	
1/4	1,486.37	1/4	1,223.00	1/4	960.26	1/4	701.03	1/4	438.71	1/4	175.31	1/4		1/4		1/4		1/4	
1/2	1,480.89	1/2	1,217.51	1/2	954.85	1/2	695.63	1/2	433.22	1/2	169.82	1/2		1/2		1/2		1/2	
3/4	1,475.40	3/4	1,212.02	3/4	949.45	3/4	690.23	3/4	427.73	3/4	164.33	3/4		3/4		3/4		3/4	
10	1,469.92	10	1,206.54	10	944.05	10	684.84	10	422.24	10	158.85	10		10		10		10	
1/4	1,464.43	1/4	1,201.05	1/4	938.64	1/4	679.44	1/4	416.76	1/4	153.36	1/4		1/4		1/4		1/4	
1/2	1,458.95	1/2	1,195.56	1/2	933.24	1/2	674.04	1/2	411.27	1/2	147.87	1/2		1/2		1/2		1/2	
3/4	1,453.46	3/4	1,190.07	3/4	927.84	3/4	668.64	3/4	405.78	3/4	142.39	3/4		3/4		3/4		3/4	
11	1,447.98	11	1,184.58	11	922.44	11	663.25	11	400.29	11	136.90	11		11		11		11	
1/4	1,442.50	1/4	1,179.10	1/4	917.03	1/4	657.85	1/4	394.81	1/4	131.42	1/4		1/4		1/4		1/4	
1/2	1,437.01	1/2	1,173.61	1/2	911.63	1/2	652.45	1/2	389.32	1/2	125.94	1/2		1/2		1/2		1/2	
3/4	1,431.53	3/4	1,168.12	3/4	906.23	3/4	647.06	3/4	383.83	3/4	120.46	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/09/2014 CL  
CALCULATED: 01/09/2014 CL  
VERIFIED: 01/10/2024 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2024





# BARGE "KIRBY 10093"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/2"

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	3,238.61	0	2,978.79	0	2,718.96	0	2,458.73	0	2,197.52	0	1,936.30
1/4		1/4		1/4		1/4		1/4	3,233.20	1/4	2,973.38	1/4	2,713.55	1/4	2,453.29	1/4	2,192.08	1/4	1,930.86
1/2		1/2		1/2		1/2	3,452.65	1/2	3,227.79	1/2	2,967.96	1/2	2,708.14	1/2	2,447.85	1/2	2,186.63	1/2	1,925.42
3/4		3/4		3/4		3/4	3,451.74	3/4	3,222.37	3/4	2,962.55	3/4	2,702.73	3/4	2,442.41	3/4	2,181.19	3/4	1,919.98
1		1		1		1	3,450.83	1	3,216.96	1	2,957.14	1	2,697.31	1	2,436.97	1	2,175.75	1	1,914.53
1/4		1/4		1/4		1/4	3,449.93	1/4	3,211.55	1/4	2,951.72	1/4	2,691.90	1/4	2,431.52	1/4	2,170.31	1/4	1,909.09
1/2		1/2		1/2		1/2	3,449.02	1/2	3,206.13	1/2	2,946.31	1/2	2,686.49	1/2	2,426.08	1/2	2,164.87	1/2	1,903.65
3/4		3/4		3/4		3/4	3,446.30	3/4	3,200.72	3/4	2,940.90	3/4	2,681.07	3/4	2,420.64	3/4	2,159.42	3/4	1,898.21
2		2		2		2	3,443.57	2	3,195.31	2	2,935.48	2	2,675.66	2	2,415.20	2	2,153.98	2	1,892.77
1/4		1/4		1/4		1/4	3,440.85	1/4	3,189.90	1/4	2,930.07	1/4	2,670.25	1/4	2,409.76	1/4	2,148.54	1/4	1,887.32
1/2		1/2		1/2		1/2	3,438.13	1/2	3,184.48	1/2	2,924.66	1/2	2,664.83	1/2	2,404.31	1/2	2,143.10	1/2	1,881.88
3/4		3/4		3/4		3/4	3,433.72	3/4	3,179.07	3/4	2,919.25	3/4	2,659.42	3/4	2,398.87	3/4	2,137.66	3/4	1,876.44
3		3		3		3	3,429.31	3	3,173.66	3	2,913.83	3	2,654.01	3	2,393.43	3	2,132.21	3	1,871.00
1/4		1/4		1/4		1/4	3,424.90	1/4	3,168.24	1/4	2,908.42	1/4	2,648.60	1/4	2,387.99	1/4	2,126.77	1/4	1,865.56
1/2		1/2		1/2		1/2	3,420.50	1/2	3,162.83	1/2	2,903.01	1/2	2,643.18	1/2	2,382.55	1/2	2,121.33	1/2	1,860.11
3/4		3/4		3/4		3/4	3,415.22	3/4	3,157.42	3/4	2,897.59	3/4	2,637.77	3/4	2,377.10	3/4	2,115.89	3/4	1,854.67
4		4		4		4	3,409.95	4	3,152.00	4	2,892.18	4	2,632.36	4	2,371.66	4	2,110.45	4	1,849.23
1/4		1/4		1/4		1/4	3,404.67	1/4	3,146.59	1/4	2,886.77	1/4	2,626.94	1/4	2,366.22	1/4	2,105.00	1/4	1,843.79
1/2		1/2		1/2		1/2	3,399.40	1/2	3,141.18	1/2	2,881.35	1/2	2,621.53	1/2	2,360.78	1/2	2,099.56	1/2	1,838.35
3/4		3/4		3/4		3/4	3,394.09	3/4	3,135.77	3/4	2,875.94	3/4	2,616.12	3/4	2,355.34	3/4	2,094.12	3/4	1,832.90
5		5		5		5	3,388.79	5	3,130.35	5	2,870.53	5	2,610.70	5	2,349.89	5	2,088.68	5	1,827.46
1/4		1/4		1/4		1/4	3,383.48	1/4	3,124.94	1/4	2,865.12	1/4	2,605.29	1/4	2,344.45	1/4	2,083.24	1/4	1,822.02
1/2		1/2		1/2		1/2	3,378.18	1/2	3,119.53	1/2	2,859.70	1/2	2,599.88	1/2	2,339.01	1/2	2,077.79	1/2	1,816.58
3/4		3/4		3/4		3/4	3,372.86	3/4	3,114.11	3/4	2,854.29	3/4	2,594.47	3/4	2,333.57	3/4	2,072.35	3/4	1,811.14
6		6		6		6	3,367.54	6	3,108.70	6	2,848.88	6	2,589.05	6	2,328.13	6	2,066.91	6	1,805.69
1/4		1/4		1/4		1/4	3,362.22	1/4	3,103.29	1/4	2,843.46	1/4	2,583.64	1/4	2,322.68	1/4	2,061.47	1/4	1,800.25
1/2		1/2		1/2		1/2	3,356.90	1/2	3,097.87	1/2	2,838.05	1/2	2,578.23	1/2	2,317.24	1/2	2,056.03	1/2	1,794.81
3/4		3/4		3/4		3/4	3,351.59	3/4	3,092.46	3/4	2,832.64	3/4	2,572.81	3/4	2,311.80	3/4	2,050.58	3/4	1,789.37
7		7		7		7	3,346.27	7	3,087.05	7	2,827.22	7	2,567.40	7	2,306.36	7	2,045.14	7	1,783.93
1/4		1/4		1/4		1/4	3,340.96	1/4	3,081.64	1/4	2,821.81	1/4	2,561.99	1/4	2,300.92	1/4	2,039.70	1/4	1,778.48
1/2		1/2		1/2		1/2	3,335.65	1/2	3,076.22	1/2	2,816.40	1/2	2,556.57	1/2	2,295.47	1/2	2,034.26	1/2	1,773.04
3/4		3/4		3/4		3/4	3,330.33	3/4	3,070.81	3/4	2,810.99	3/4	2,551.16	3/4	2,290.03	3/4	2,028.82	3/4	1,767.60
8		8		8		8	3,325.02	8	3,065.40	8	2,805.57	8	2,545.75	8	2,284.59	8	2,023.37	8	1,762.16
1/4		1/4		1/4		1/4	3,319.71	1/4	3,059.98	1/4	2,800.16	1/4	2,540.34	1/4	2,279.15	1/4	2,017.93	1/4	1,756.72
1/2		1/2		1/2		1/2	3,314.39	1/2	3,054.57	1/2	2,794.75	1/2	2,534.92	1/2	2,273.71	1/2	2,012.49	1/2	1,751.27
3/4		3/4		3/4		3/4	3,308.98	3/4	3,049.16	3/4	2,789.33	3/4	2,529.48	3/4	2,268.26	3/4	2,007.05	3/4	1,745.83
9		9		9		9	3,303.57	9	3,043.74	9	2,783.92	9	2,524.04	9	2,262.82	9	2,001.61	9	1,740.39
1/4		1/4		1/4		1/4	3,298.16	1/4	3,038.33	1/4	2,778.51	1/4	2,518.60	1/4	2,257.38	1/4	1,996.16	1/4	1,734.95
1/2		1/2		1/2		1/2	3,292.74	1/2	3,032.92	1/2	2,773.09	1/2	2,513.15	1/2	2,251.94	1/2	1,990.72	1/2	1,729.51
3/4		3/4		3/4		3/4	3,287.33	3/4	3,027.51	3/4	2,767.68	3/4	2,507.71	3/4	2,246.50	3/4	1,985.28	3/4	1,724.06
10		10		10		10	3,281.92	10	3,022.09	10	2,762.27	10	2,502.27	10	2,241.05	10	1,979.84	10	1,718.62
1/4		1/4		1/4		1/4	3,276.50	1/4	3,016.68	1/4	2,756.86	1/4	2,496.83	1/4	2,235.61	1/4	1,974.40	1/4	1,713.18
1/2		1/2		1/2		1/2	3,271.09	1/2	3,011.27	1/2	2,751.44	1/2	2,491.39	1/2	2,230.17	1/2	1,968.95	1/2	1,707.74
3/4		3/4		3/4		3/4	3,265.68	3/4	3,005.85	3/4	2,746.03	3/4	2,485.94	3/4	2,224.73	3/4	1,963.51	3/4	1,702.30
11		11		11		11	3,260.26	11	3,000.44	11	2,740.62	11	2,480.50	11	2,219.29	11	1,958.07	11	1,696.85
1/4		1/4		1/4		1/4	3,254.85	1/4	2,995.03	1/4	2,735.20	1/4	2,475.06	1/4	2,213.84	1/4	1,952.63	1/4	1,691.41
1/2		1/2		1/2		1/2	3,249.44	1/2	2,989.61	1/2	2,729.79	1/2	2,469.62	1/2	2,208.40	1/2	1,947.19	1/2	1,685.97
3/4		3/4		3/4		3/4	3,244.03	3/4	2,984.20	3/4	2,724.38	3/4	2,464.18	3/4	2,202.96	3/4	1,941.74	3/4	1,680.53

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 10093"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 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	1,675.09	0	1,413.87	0	1,152.49	0	891.90	0	631.35	0	369.99	0	108.68	0		0		0	
1/4	1,669.64	1/4	1,408.43	1/4	1,147.04	1/4	886.49	1/4	625.90	1/4	364.54	1/4	103.25	1/4		1/4		1/4	
1/2	1,664.20	1/2	1,402.99	1/2	1,141.60	1/2	881.08	1/2	620.46	1/2	359.10	1/2	97.82	1/2		1/2		1/2	
3/4	1,658.76	3/4	1,397.54	3/4	1,136.15	3/4	875.67	3/4	615.02	3/4	353.65	3/4	92.41	3/4		3/4		3/4	
1	1,653.32	1	1,392.10	1	1,130.71	1	870.26	1	609.57	1	348.21	1	87.00	1		1		1	
1/4	1,647.88	1/4	1,386.65	1/4	1,125.26	1/4	864.86	1/4	604.13	1/4	342.76	1/4	81.59	1/4		1/4		1/4	
1/2	1,642.43	1/2	1,381.20	1/2	1,119.82	1/2	859.45	1/2	598.69	1/2	337.32	1/2	76.18	1/2		1/2		1/2	
3/4	1,636.99	3/4	1,375.76	3/4	1,114.37	3/4	854.04	3/4	593.24	3/4	331.87	3/4	70.79	3/4		3/4		3/4	
2	1,631.55	2	1,370.31	2	1,108.92	2	848.63	2	587.79	2	326.43	2	65.41	2		2		2	
1/4	1,626.11	1/4	1,364.87	1/4	1,103.48	1/4	843.22	1/4	582.35	1/4	320.98	1/4	60.03	1/4		1/4		1/4	
1/2	1,620.67	1/2	1,359.42	1/2	1,098.03	1/2	837.81	1/2	576.90	1/2	315.53	1/2	54.65	1/2		1/2		1/2	
3/4	1,615.22	3/4	1,353.98	3/4	1,092.59	3/4	832.40	3/4	571.46	3/4	310.09	3/4	49.31	3/4		3/4		3/4	
3	1,609.78	3	1,348.53	3	1,087.14	3	826.99	3	566.01	3	304.64	3	43.98	3		3		3	
1/4	1,604.34	1/4	1,343.09	1/4	1,081.70	1/4	821.58	1/4	560.57	1/4	299.20	1/4	38.65	1/4		1/4		1/4	
1/2	1,598.90	1/2	1,337.64	1/2	1,076.25	1/2	816.17	1/2	555.12	1/2	293.75	1/2	33.31	1/2		1/2		1/2	
3/4	1,593.46	3/4	1,332.19	3/4	1,070.81	3/4	810.77	3/4	549.68	3/4	288.31	3/4	28.79	3/4		3/4		3/4	
4	1,588.01	4	1,326.75	4	1,065.36	4	805.36	4	544.23	4	282.86	4	24.26	4		4		4	
1/4	1,582.57	1/4	1,321.30	1/4	1,059.91	1/4	799.96	1/4	538.79	1/4	277.42	1/4	19.73	1/4		1/4		1/4	
1/2	1,577.13	1/2	1,315.86	1/2	1,054.47	1/2	794.56	1/2	533.34	1/2	271.97	1/2	15.20	1/2		1/2		1/2	
3/4	1,571.69	3/4	1,310.41	3/4	1,049.02	3/4	789.12	3/4	527.90	3/4	266.53	3/4	12.47	3/4		3/4		3/4	
5	1,566.25	5	1,304.97	5	1,043.58	5	783.68	5	522.45	5	261.08	5	9.75	5		5		5	
1/4	1,560.80	1/4	1,299.52	1/4	1,038.13	1/4	778.24	1/4	517.01	1/4	255.64	1/4	7.03	1/4		1/4		1/4	
1/2	1,555.36	1/2	1,294.07	1/2	1,032.69	1/2	772.80	1/2	511.56	1/2	250.19	1/2	4.31	1/2		1/2		1/2	
3/4	1,549.92	3/4	1,288.63	3/4	1,027.24	3/4	767.36	3/4	506.12	3/4	244.75	3/4	3.40	3/4		3/4		3/4	
6	1,544.48	6	1,283.18	6	1,021.79	6	761.92	6	500.67	6	239.30	6	2.49	6		6		6	
1/4	1,539.04	1/4	1,277.74	1/4	1,016.35	1/4	756.48	1/4	495.23	1/4	233.86	1/4	1.59	1/4		1/4		1/4	
1/2	1,533.59	1/2	1,272.29	1/2	1,010.90	1/2	751.04	1/2	489.78	1/2	228.41	1/2	0.68	1/2		1/2		1/2	
3/4	1,528.15	3/4	1,266.85	3/4	1,005.49	3/4	745.60	3/4	484.34	3/4	222.97	3/4		3/4		3/4		3/4	
7	1,522.71	7	1,261.40	7	1,000.09	7	740.16	7	478.89	7	217.52	7		7		7		7	
1/4	1,517.27	1/4	1,255.96	1/4	994.68	1/4	734.72	1/4	473.45	1/4	212.08	1/4		1/4		1/4		1/4	
1/2	1,511.83	1/2	1,250.51	1/2	989.27	1/2	729.28	1/2	468.00	1/2	206.63	1/2		1/2		1/2		1/2	
3/4	1,506.38	3/4	1,245.06	3/4	983.86	3/4	723.83	3/4	462.56	3/4	201.19	3/4		3/4		3/4		3/4	
8	1,500.94	8	1,239.62	8	978.45	8	718.39	8	457.11	8	195.74	8		8		8		8	
1/4	1,495.50	1/4	1,234.17	1/4	973.04	1/4	712.95	1/4	451.66	1/4	190.30	1/4		1/4		1/4		1/4	
1/2	1,490.06	1/2	1,228.73	1/2	967.63	1/2	707.51	1/2	446.22	1/2	184.85	1/2		1/2		1/2		1/2	
3/4	1,484.62	3/4	1,223.28	3/4	962.22	3/4	702.07	3/4	440.77	3/4	179.40	3/4		3/4		3/4		3/4	
9	1,479.17	9	1,217.84	9	956.81	9	696.63	9	435.33	9	173.96	9		9		9		9	
1/4	1,473.73	1/4	1,212.39	1/4	951.40	1/4	691.19	1/4	429.88	1/4	168.51	1/4		1/4		1/4		1/4	
1/2	1,468.29	1/2	1,206.95	1/2	945.99	1/2	685.75	1/2	424.44	1/2	163.07	1/2		1/2		1/2		1/2	
3/4	1,462.85	3/4	1,201.50	3/4	940.58	3/4	680.31	3/4	418.99	3/4	157.62	3/4		3/4		3/4		3/4	
10	1,457.41	10	1,196.05	10	935.17	10	674.87	10	413.55	10	152.18	10		10		10		10	
1/4	1,451.96	1/4	1,190.61	1/4	929.77	1/4	669.43	1/4	408.10	1/4	146.74	1/4		1/4		1/4		1/4	
1/2	1,446.52	1/2	1,185.16	1/2	924.36	1/2	663.99	1/2	402.66	1/2	141.29	1/2		1/2		1/2		1/2	
3/4	1,441.08	3/4	1,179.72	3/4	918.95	3/4	658.55	3/4	397.21	3/4	135.85	3/4		3/4		3/4		3/4	
11	1,435.64	11	1,174.27	11	913.54	11	653.11	11	391.77	11	130.41	11		11		11		11	
1/4	1,430.20	1/4	1,168.83	1/4	908.13	1/4	647.68	1/4	386.32	1/4	124.97	1/4		1/4		1/4		1/4	
1/2	1,424.75	1/2	1,163.38	1/2	902.72	1/2	642.24	1/2	380.88	1/2	119.53	1/2		1/2		1/2		1/2	
3/4	1,419.31	3/4	1,157.93	3/4	897.31	3/4	636.79	3/4	375.43	3/4	114.10	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/09/2014 CL  
CALCULATED: 01/09/2014 CL  
VERIFIED: 01/10/2024 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2024

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