



BARGE "KIRBY 11523"

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	- 00-0/8	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	- 00-1/4	00-1/4
2 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-3/4	- 00-3/4	00-7/8	- 00-7/8
3 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

(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 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 162'-06"

October 26, 2023

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

<http://www.pmacorp.net>



BARGE "KIRBY 11523"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-09 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	3,645.51	0	3,398.11	0	3,150.94	0	2,901.02	0	2,628.53	0	2,355.95
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,640.35	1/4	3,392.95	1/4	3,145.79	1/4	2,895.34	1/4	2,622.86	1/4	2,350.27
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,635.20	1/2	3,387.80	1/2	3,140.64	1/2	2,889.66	1/2	2,617.18	1/2	2,344.59
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,630.05	3/4	3,382.64	3/4	3,135.48	3/4	2,883.99	3/4	2,611.50	3/4	2,338.91
1		1		1		1		1	3,624.90	1	3,377.49	1	3,130.33	1	2,878.31	1	2,605.82	1	2,333.23
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,844.60	1/4	3,619.74	1/4	3,372.34	1/4	3,125.18	1/4	2,872.63	1/4	2,600.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,842.84	1/2	3,614.59	1/2	3,367.18	1/2	3,120.03	1/2	2,866.96	1/2	2,594.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,841.07	3/4	3,609.43	3/4	3,362.03	3/4	3,114.87	3/4	2,861.28	3/4	2,588.79
2		2		2		2		2	3,839.31	2	3,604.28	2	3,356.88	2	3,109.72	2	2,855.60	2	2,583.11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,837.55	1/4	3,599.12	1/4	3,351.73	1/4	3,104.57	1/4	2,849.93	1/4	2,577.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,834.16	1/2	3,593.97	1/2	3,346.58	1/2	3,099.42	1/2	2,844.25	1/2	2,571.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,830.77	3/4	3,588.82	3/4	3,341.44	3/4	3,094.27	3/4	2,838.57	3/4	2,566.07
3		3		3		3		3	3,827.38	3	3,583.66	3	3,336.29	3	3,089.11	3	2,832.90	3	2,560.39
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,823.99	1/4	3,578.51	1/4	3,331.14	1/4	3,083.96	1/4	2,827.22	1/4	2,554.72
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,819.31	1/2	3,573.35	1/2	3,325.99	1/2	3,078.81	1/2	2,821.54	1/2	2,549.04
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,814.64	3/4	3,568.20	3/4	3,320.85	3/4	3,073.66	3/4	2,815.86	3/4	2,543.36
4		4		4		4		4	3,809.96	4	3,563.04	4	3,315.70	4	3,068.50	4	2,810.19	4	2,537.68
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,805.28	1/4	3,557.89	1/4	3,310.55	1/4	3,063.35	1/4	2,804.51	1/4	2,532.00
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,800.13	1/2	3,552.74	1/2	3,305.40	1/2	3,058.20	1/2	2,798.83	1/2	2,526.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,794.97	3/4	3,547.58	3/4	3,300.26	3/4	3,053.05	3/4	2,793.16	3/4	2,520.64
5		5		5		5		5	3,789.82	5	3,542.43	5	3,295.11	5	3,047.90	5	2,787.48	5	2,514.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,784.66	1/4	3,537.27	1/4	3,289.96	1/4	3,042.74	1/4	2,781.80	1/4	2,509.28
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,779.51	1/2	3,532.12	1/2	3,284.81	1/2	3,037.59	1/2	2,776.13	1/2	2,503.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,774.36	3/4	3,526.96	3/4	3,279.67	3/4	3,032.44	3/4	2,770.45	3/4	2,497.92
6		6		6		6		6	3,769.20	6	3,521.81	6	3,274.52	6	3,027.29	6	2,764.77	6	2,492.25
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,764.05	1/4	3,516.66	1/4	3,269.37	1/4	3,022.13	1/4	2,759.10	1/4	2,486.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,758.89	1/2	3,511.50	1/2	3,264.22	1/2	3,016.98	1/2	2,753.42	1/2	2,480.89
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,753.74	3/4	3,506.35	3/4	3,259.08	3/4	3,011.83	3/4	2,747.74	3/4	2,475.21
7		7		7		7		7	3,748.59	7	3,501.19	7	3,253.93	7	3,006.68	7	2,742.07	7	2,469.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,743.43	1/4	3,496.04	1/4	3,248.78	1/4	3,001.53	1/4	2,736.39	1/4	2,463.85
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,738.28	1/2	3,490.88	1/2	3,243.63	1/2	2,996.37	1/2	2,730.71	1/2	2,458.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,733.12	3/4	3,485.73	3/4	3,238.49	3/4	2,991.22	3/4	2,725.04	3/4	2,452.49
8		8		8		8		8	3,727.97	8	3,480.58	8	3,233.34	8	2,986.07	8	2,719.36	8	2,446.81
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,722.81	1/4	3,475.42	1/4	3,228.19	1/4	2,980.92	1/4	2,713.68	1/4	2,441.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,717.66	1/2	3,470.27	1/2	3,223.04	1/2	2,975.76	1/2	2,708.01	1/2	2,435.45
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,712.51	3/4	3,465.11	3/4	3,217.90	3/4	2,970.61	3/4	2,702.33	3/4	2,429.78
9		9		9		9		9	3,707.35	9	3,459.96	9	3,212.75	9	2,965.46	9	2,696.65	9	2,424.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,702.20	1/4	3,454.80	1/4	3,207.60	1/4	2,960.31	1/4	2,690.98	1/4	2,418.42
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,697.04	1/2	3,449.65	1/2	3,202.45	1/2	2,955.16	1/2	2,685.30	1/2	2,412.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,691.89	3/4	3,444.50	3/4	3,197.30	3/4	2,950.00	3/4	2,679.62	3/4	2,407.06
10		10		10		10		10	3,686.73	10	3,439.34	10	3,192.15	10	2,944.85	10	2,673.95	10	2,401.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,681.58	1/4	3,434.19	1/4	3,187.01	1/4	2,939.70	1/4	2,668.27	1/4	2,395.70
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,676.43	1/2	3,429.03	1/2	3,181.85	1/2	2,934.29	1/2	2,662.59	1/2	2,390.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,671.27	3/4	3,423.88	3/4	3,176.70	3/4	2,928.87	3/4	2,656.92	3/4	2,384.34
11		11		11		11		11	3,666.12	11	3,418.72	11	3,171.55	11	2,923.46	11	2,651.24	11	2,378.66
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,660.97	1/4	3,413.57	1/4	3,166.40	1/4	2,918.05	1/4	2,645.56	1/4	2,372.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,655.81	1/2	3,408.42	1/2	3,161.24	1/2	2,912.37	1/2	2,639.89	1/2	2,367.31
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,650.66	3/4	3,403.26	3/4	3,156.09	3/4	2,906.69	3/4	2,634.21	3/4	2,361.63

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 1'-00" OFF CENTERLINE AND 28'-11" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 11523"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-09 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,084.12	0	1,811.87	0	1,539.33	0	1,266.78	0	994.24	0	725.41	0	454.19	0	181.11	0		0	
1/4	2,078.46	1/4	1,806.19	1/4	1,533.65	1/4	1,261.10	1/4	988.56	1/4	719.86	1/4	448.51	1/4	175.42	1/4		1/4	
1/2	2,072.81	1/2	1,800.51	1/2	1,527.97	1/2	1,255.43	1/2	982.88	1/2	714.31	1/2	442.83	1/2	169.73	1/2		1/2	
3/4	2,067.16	3/4	1,794.84	3/4	1,522.29	3/4	1,249.75	3/4	977.20	3/4	708.76	3/4	437.15	3/4	164.03	3/4		3/4	
1	2,061.51	1	1,789.16	1	1,516.61	1	1,244.07	1	971.53	1	703.21	1	431.47	1	158.34	1		1	
1/4	2,055.85	1/4	1,783.48	1/4	1,510.94	1/4	1,238.39	1/4	965.85	1/4	697.66	1/4	425.78	1/4	152.65	1/4		1/4	
1/2	2,050.20	1/2	1,777.80	1/2	1,505.26	1/2	1,232.71	1/2	960.17	1/2	692.12	1/2	420.10	1/2	146.96	1/2		1/2	
3/4	2,044.55	3/4	1,772.12	3/4	1,499.58	3/4	1,227.04	3/4	954.49	3/4	686.57	3/4	414.42	3/4	141.26	3/4		3/4	
2	2,038.90	2	1,766.45	2	1,493.90	2	1,221.36	2	948.81	2	681.02	2	408.74	2	135.57	2		2	
1/4	2,033.24	1/4	1,760.77	1/4	1,488.22	1/4	1,215.68	1/4	943.14	1/4	675.47	1/4	403.06	1/4	129.88	1/4		1/4	
1/2	2,027.58	1/2	1,755.09	1/2	1,482.55	1/2	1,210.00	1/2	937.46	1/2	669.85	1/2	397.38	1/2	124.19	1/2		1/2	
3/4	2,021.92	3/4	1,749.41	3/4	1,476.87	3/4	1,204.32	3/4	931.78	3/4	664.24	3/4	391.70	3/4	118.49	3/4		3/4	
3	2,016.26	3	1,743.73	3	1,471.19	3	1,198.65	3	926.10	3	658.62	3	386.01	3	112.80	3		3	
1/4	2,010.60	1/4	1,738.06	1/4	1,465.51	1/4	1,192.97	1/4	920.42	1/4	653.01	1/4	380.33	1/4	107.11	1/4		1/4	
1/2	2,004.92	1/2	1,732.38	1/2	1,459.83	1/2	1,187.29	1/2	914.75	1/2	647.33	1/2	374.64	1/2	101.42	1/2		1/2	
3/4	1,999.24	3/4	1,726.70	3/4	1,454.16	3/4	1,181.61	3/4	909.07	3/4	641.65	3/4	368.96	3/4	95.72	3/4		3/4	
4	1,993.57	4	1,721.02	4	1,448.48	4	1,175.93	4	903.39	4	635.97	4	363.27	4	90.03	4		4	
1/4	1,987.89	1/4	1,715.34	1/4	1,442.80	1/4	1,170.26	1/4	897.71	1/4	630.29	1/4	357.58	1/4	84.34	1/4		1/4	
1/2	1,982.21	1/2	1,709.67	1/2	1,437.12	1/2	1,164.58	1/2	892.10	1/2	624.61	1/2	351.89	1/2	78.65	1/2		1/2	
3/4	1,976.53	3/4	1,703.99	3/4	1,431.44	3/4	1,158.90	3/4	886.48	3/4	618.93	3/4	346.19	3/4	72.95	3/4		3/4	
5	1,970.85	5	1,698.31	5	1,425.77	5	1,153.22	5	880.87	5	613.25	5	340.50	5	67.26	5		5	
1/4	1,965.18	1/4	1,692.63	1/4	1,420.09	1/4	1,147.54	1/4	875.26	1/4	607.57	1/4	334.81	1/4	61.57	1/4		1/4	
1/2	1,959.50	1/2	1,686.95	1/2	1,414.41	1/2	1,141.87	1/2	869.70	1/2	601.89	1/2	329.12	1/2	55.88	1/2		1/2	
3/4	1,953.82	3/4	1,681.28	3/4	1,408.73	3/4	1,136.19	3/4	864.15	3/4	596.21	3/4	323.42	3/4	50.18	3/4		3/4	
6	1,948.14	6	1,675.60	6	1,403.05	6	1,130.51	6	858.60	6	590.53	6	317.73	6	44.49	6		6	
1/4	1,942.46	1/4	1,669.92	1/4	1,397.38	1/4	1,124.83	1/4	853.05	1/4	584.85	1/4	312.04	1/4	38.80	1/4		1/4	
1/2	1,936.79	1/2	1,664.24	1/2	1,391.70	1/2	1,119.15	1/2	847.50	1/2	579.17	1/2	306.35	1/2	33.68	1/2		1/2	
3/4	1,931.11	3/4	1,658.56	3/4	1,386.02	3/4	1,113.48	3/4	841.95	3/4	573.49	3/4	300.65	3/4	28.57	3/4		3/4	
7	1,925.43	7	1,652.89	7	1,380.34	7	1,107.80	7	836.40	7	567.80	7	294.96	7	23.45	7		7	
1/4	1,919.75	1/4	1,647.21	1/4	1,374.66	1/4	1,102.12	1/4	830.85	1/4	562.12	1/4	289.27	1/4	18.34	1/4		1/4	
1/2	1,914.07	1/2	1,641.53	1/2	1,368.99	1/2	1,096.44	1/2	825.30	1/2	556.44	1/2	283.58	1/2	14.95	1/2		1/2	
3/4	1,908.40	3/4	1,635.85	3/4	1,363.31	3/4	1,090.76	3/4	819.75	3/4	550.76	3/4	277.88	3/4	11.56	3/4		3/4	
8	1,902.72	8	1,630.17	8	1,357.63	8	1,085.09	8	814.20	8	545.08	8	272.19	8	8.18	8		8	
1/4	1,897.04	1/4	1,624.50	1/4	1,351.95	1/4	1,079.41	1/4	808.65	1/4	539.40	1/4	266.50	1/4	4.79	1/4		1/4	
1/2	1,891.36	1/2	1,618.82	1/2	1,346.27	1/2	1,073.73	1/2	803.10	1/2	533.72	1/2	260.81	1/2	3.71	1/2		1/2	
3/4	1,885.68	3/4	1,613.14	3/4	1,340.60	3/4	1,068.05	3/4	797.55	3/4	528.04	3/4	255.11	3/4	2.63	3/4		3/4	
9	1,880.01	9	1,607.46	9	1,334.92	9	1,062.37	9	792.00	9	522.36	9	249.42	9	1.56	9		9	
1/4	1,874.33	1/4	1,601.78	1/4	1,329.24	1/4	1,056.70	1/4	786.46	1/4	516.68	1/4	243.73	1/4	0.48	1/4		1/4	
1/2	1,868.65	1/2	1,596.11	1/2	1,323.56	1/2	1,051.02	1/2	780.91	1/2	511.00	1/2	238.04	1/2		1/2		1/2	
3/4	1,862.97	3/4	1,590.43	3/4	1,317.88	3/4	1,045.34	3/4	775.36	3/4	505.32	3/4	232.34	3/4		3/4		3/4	
10	1,857.29	10	1,584.75	10	1,312.21	10	1,039.66	10	769.81	10	499.64	10	226.65	10		10		10	
1/4	1,851.62	1/4	1,579.07	1/4	1,306.53	1/4	1,033.98	1/4	764.26	1/4	493.96	1/4	220.96	1/4		1/4		1/4	
1/2	1,845.94	1/2	1,573.39	1/2	1,300.85	1/2	1,028.31	1/2	758.71	1/2	488.27	1/2	215.27	1/2		1/2		1/2	
3/4	1,840.26	3/4	1,567.72	3/4	1,295.17	3/4	1,022.63	3/4	753.16	3/4	482.59	3/4	209.57	3/4		3/4		3/4	
11	1,834.58	11	1,562.04	11	1,289.49	11	1,016.95	11	747.61	11	476.91	11	203.88	11		11		11	
1/4	1,828.90	1/4	1,556.36	1/4	1,283.82	1/4	1,011.27	1/4	742.06	1/4	471.23	1/4	198.19	1/4		1/4		1/4	
1/2	1,823.23	1/2	1,550.68	1/2	1,278.14	1/2	1,005.59	1/2	736.51	1/2	465.55	1/2	192.50	1/2		1/2		1/2	
3/4	1,817.55	3/4	1,545.00	3/4	1,272.46	3/4	999.92	3/4	730.96	3/4	459.87	3/4	186.80	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/29/2005 CL - SW
CALCULATED: 09/30/2005 CL
VERIFIED: 10/26/23 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

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



BARGE "KIRBY 11523"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-09 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	3,410.97	0	3,161.36	0	2,911.75	0	2,662.15	0	2,412.54	0	2,162.93
1/4		1/4		1/4		1/4		1/4	3,405.77	1/4	3,156.16	1/4	2,906.55	1/4	2,656.95	1/4	2,407.34	1/4	2,157.73
1/2		1/2		1/2		1/2		1/2	3,400.57	1/2	3,150.96	1/2	2,901.35	1/2	2,651.74	1/2	2,402.14	1/2	2,152.53
3/4		3/4		3/4		3/4		3/4	3,395.37	3/4	3,145.76	3/4	2,896.15	3/4	2,646.54	3/4	2,396.94	3/4	2,147.33
1		1		1		1		1	3,390.17	1	3,140.56	1	2,890.95	1	2,641.34	1	2,391.73	1	2,142.13
1/4		1/4		1/4		1/4		1/4	3,612.03	1/4	3,384.97	1/4	3,135.36	1/4	2,885.75	1/4	2,636.14	1/4	2,136.93
1/2		1/2		1/2		1/2		1/2	3,610.30	1/2	3,379.77	1/2	3,130.16	1/2	2,880.55	1/2	2,630.94	1/2	2,131.72
3/4		3/4		3/4		3/4		3/4	3,608.57	3/4	3,374.57	3/4	3,124.96	3/4	2,875.35	3/4	2,625.74	3/4	2,126.52
2		2		2		2		2	3,606.83	2	3,369.37	2	3,119.76	2	2,870.15	2	2,620.54	2	2,121.32
1/4		1/4		1/4		1/4		1/4	3,605.10	1/4	3,364.17	1/4	3,114.56	1/4	2,864.95	1/4	2,615.34	1/4	2,116.12
1/2		1/2		1/2		1/2		1/2	3,601.63	1/2	3,358.97	1/2	3,109.36	1/2	2,859.75	1/2	2,610.14	1/2	2,110.92
3/4		3/4		3/4		3/4		3/4	3,598.17	3/4	3,353.77	3/4	3,104.16	3/4	2,854.55	3/4	2,604.94	3/4	2,105.72
3		3		3		3		3	3,594.70	3	3,348.57	3	3,098.96	3	2,849.35	3	2,599.74	3	2,100.52
1/4		1/4		1/4		1/4		1/4	3,591.23	1/4	3,343.37	1/4	3,093.76	1/4	2,844.15	1/4	2,594.54	1/4	2,095.32
1/2		1/2		1/2		1/2		1/2	3,586.47	1/2	3,338.17	1/2	3,088.56	1/2	2,838.95	1/2	2,589.34	1/2	2,090.12
3/4		3/4		3/4		3/4		3/4	3,581.70	3/4	3,332.97	3/4	3,083.36	3/4	2,833.75	3/4	2,584.14	3/4	2,084.92
4		4		4		4		4	3,576.94	4	3,327.77	4	3,078.16	4	2,828.55	4	2,578.94	4	2,079.72
1/4		1/4		1/4		1/4		1/4	3,572.18	1/4	3,322.57	1/4	3,072.96	1/4	2,823.35	1/4	2,573.74	1/4	2,074.52
1/2		1/2		1/2		1/2		1/2	3,566.98	1/2	3,317.37	1/2	3,067.76	1/2	2,818.15	1/2	2,568.54	1/2	2,069.32
3/4		3/4		3/4		3/4		3/4	3,561.78	3/4	3,312.17	3/4	3,062.56	3/4	2,812.95	3/4	2,563.34	3/4	2,064.12
5		5		5		5		5	3,556.58	5	3,306.97	5	3,057.36	5	2,807.75	5	2,558.14	5	2,058.92
1/4		1/4		1/4		1/4		1/4	3,551.38	1/4	3,301.77	1/4	3,052.16	1/4	2,802.55	1/4	2,552.94	1/4	2,053.72
1/2		1/2		1/2		1/2		1/2	3,546.18	1/2	3,296.57	1/2	3,046.96	1/2	2,797.35	1/2	2,547.74	1/2	2,048.52
3/4		3/4		3/4		3/4		3/4	3,540.98	3/4	3,291.37	3/4	3,041.76	3/4	2,792.15	3/4	2,542.54	3/4	2,043.32
6		6		6		6		6	3,535.78	6	3,286.17	6	3,036.56	6	2,786.95	6	2,537.34	6	2,038.12
1/4		1/4		1/4		1/4		1/4	3,530.58	1/4	3,280.97	1/4	3,031.36	1/4	2,781.75	1/4	2,532.14	1/4	2,032.92
1/2		1/2		1/2		1/2		1/2	3,525.38	1/2	3,275.77	1/2	3,026.16	1/2	2,776.55	1/2	2,526.94	1/2	2,027.72
3/4		3/4		3/4		3/4		3/4	3,520.18	3/4	3,270.57	3/4	3,020.96	3/4	2,771.35	3/4	2,521.74	3/4	2,022.52
7		7		7		7		7	3,514.98	7	3,265.37	7	3,015.76	7	2,766.15	7	2,516.54	7	2,017.32
1/4		1/4		1/4		1/4		1/4	3,509.78	1/4	3,260.17	1/4	3,010.56	1/4	2,760.95	1/4	2,511.34	1/4	2,012.12
1/2		1/2		1/2		1/2		1/2	3,504.58	1/2	3,254.97	1/2	3,005.36	1/2	2,755.75	1/2	2,506.14	1/2	2,006.92
3/4		3/4		3/4		3/4		3/4	3,499.38	3/4	3,249.77	3/4	3,000.16	3/4	2,750.55	3/4	2,500.94	3/4	2,001.72
8		8		8		8		8	3,494.18	8	3,244.57	8	2,994.96	8	2,745.35	8	2,495.74	8	1,996.52
1/4		1/4		1/4		1/4		1/4	3,488.98	1/4	3,239.37	1/4	2,989.76	1/4	2,740.15	1/4	2,490.54	1/4	1,991.32
1/2		1/2		1/2		1/2		1/2	3,483.78	1/2	3,234.17	1/2	2,984.56	1/2	2,734.95	1/2	2,485.34	1/2	1,986.12
3/4		3/4		3/4		3/4		3/4	3,478.58	3/4	3,228.97	3/4	2,979.36	3/4	2,729.75	3/4	2,480.14	3/4	1,980.92
9		9		9		9		9	3,473.38	9	3,223.77	9	2,974.16	9	2,724.55	9	2,474.94	9	1,975.72
1/4		1/4		1/4		1/4		1/4	3,468.18	1/4	3,218.57	1/4	2,968.96	1/4	2,719.35	1/4	2,469.74	1/4	1,970.52
1/2		1/2		1/2		1/2		1/2	3,462.98	1/2	3,213.37	1/2	2,963.76	1/2	2,714.15	1/2	2,464.54	1/2	1,965.32
3/4		3/4		3/4		3/4		3/4	3,457.78	3/4	3,208.17	3/4	2,958.56	3/4	2,708.95	3/4	2,459.34	3/4	1,960.12
10		10		10		10		10	3,452.58	10	3,202.97	10	2,953.36	10	2,703.75	10	2,454.14	10	1,954.92
1/4		1/4		1/4		1/4		1/4	3,447.38	1/4	3,197.77	1/4	2,948.16	1/4	2,698.55	1/4	2,448.94	1/4	1,949.72
1/2		1/2		1/2		1/2		1/2	3,442.18	1/2	3,192.57	1/2	2,942.96	1/2	2,693.35	1/2	2,443.74	1/2	1,944.52
3/4		3/4		3/4		3/4		3/4	3,436.98	3/4	3,187.37	3/4	2,937.76	3/4	2,688.15	3/4	2,438.54	3/4	1,939.32
11		11		11		11		11	3,431.77	11	3,182.17	11	2,932.56	11	2,682.95	11	2,433.34	11	1,934.12
1/4		1/4		1/4		1/4		1/4	3,426.57	1/4	3,176.97	1/4	2,927.36	1/4	2,677.75	1/4	2,428.14	1/4	1,928.92
1/2		1/2		1/2		1/2		1/2	3,421.37	1/2	3,171.76	1/2	2,922.16	1/2	2,672.55	1/2	2,422.94	1/2	1,923.72
3/4		3/4		3/4		3/4		3/4	3,416.17	3/4	3,166.56	3/4	2,916.96	3/4	2,667.35	3/4	2,417.74	3/4	1,918.52

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 1'-00" OFF CENTERLINE AND 28'-11" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 11523"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-09 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	1,913.32	0	1,663.71	0	1,414.10	0	1,164.49	0	914.88	0	669.69	0	421.79	0	172.21	0		0	
1/4	1,908.12	1/4	1,658.51	1/4	1,408.90	1/4	1,159.29	1/4	909.68	1/4	664.64	1/4	416.60	1/4	167.01	1/4		1/4	
1/2	1,902.92	1/2	1,653.31	1/2	1,403.70	1/2	1,154.09	1/2	904.48	1/2	659.59	1/2	411.40	1/2	161.81	1/2		1/2	
3/4	1,897.72	3/4	1,648.11	3/4	1,398.50	3/4	1,148.89	3/4	899.28	3/4	654.55	3/4	406.20	3/4	156.61	3/4		3/4	
1	1,892.52	1	1,642.91	1	1,393.30	1	1,143.69	1	894.08	1	649.50	1	401.00	1	151.41	1		1	
1/4	1,887.32	1/4	1,637.71	1/4	1,388.10	1/4	1,138.49	1/4	888.88	1/4	644.45	1/4	395.80	1/4	146.21	1/4		1/4	
1/2	1,882.12	1/2	1,632.51	1/2	1,382.90	1/2	1,133.29	1/2	883.68	1/2	639.40	1/2	390.60	1/2	141.01	1/2		1/2	
3/4	1,876.92	3/4	1,627.31	3/4	1,377.70	3/4	1,128.09	3/4	878.48	3/4	634.36	3/4	385.40	3/4	135.81	3/4		3/4	
2	1,871.71	2	1,622.11	2	1,372.50	2	1,122.89	2	873.28	2	629.31	2	380.20	2	130.61	2		2	
1/4	1,866.51	1/4	1,616.91	1/4	1,367.30	1/4	1,117.69	1/4	868.08	1/4	624.26	1/4	375.00	1/4	125.41	1/4		1/4	
1/2	1,861.31	1/2	1,611.70	1/2	1,362.10	1/2	1,112.49	1/2	862.88	1/2	619.14	1/2	369.80	1/2	120.21	1/2		1/2	
3/4	1,856.11	3/4	1,606.50	3/4	1,356.90	3/4	1,107.29	3/4	857.68	3/4	614.02	3/4	364.60	3/4	115.01	3/4		3/4	
3	1,850.91	3	1,601.30	3	1,351.69	3	1,102.09	3	852.48	3	608.89	3	359.40	3	109.81	3		3	
1/4	1,845.71	1/4	1,596.10	1/4	1,346.49	1/4	1,096.89	1/4	847.28	1/4	603.77	1/4	354.20	1/4	104.61	1/4		1/4	
1/2	1,840.51	1/2	1,590.90	1/2	1,341.29	1/2	1,091.68	1/2	842.08	1/2	598.57	1/2	349.00	1/2	99.41	1/2		1/2	
3/4	1,835.31	3/4	1,585.70	3/4	1,336.09	3/4	1,086.48	3/4	836.88	3/4	593.37	3/4	343.80	3/4	94.21	3/4		3/4	
4	1,830.11	4	1,580.50	4	1,330.89	4	1,081.28	4	831.67	4	588.17	4	338.60	4	89.01	4		4	
1/4	1,824.91	1/4	1,575.30	1/4	1,325.69	1/4	1,076.08	1/4	826.47	1/4	582.98	1/4	333.40	1/4	83.81	1/4		1/4	
1/2	1,819.71	1/2	1,570.10	1/2	1,320.49	1/2	1,070.88	1/2	821.35	1/2	577.78	1/2	328.20	1/2	78.61	1/2		1/2	
3/4	1,814.51	3/4	1,564.90	3/4	1,315.29	3/4	1,065.68	3/4	816.23	3/4	572.58	3/4	323.00	3/4	73.41	3/4		3/4	
5	1,809.31	5	1,559.70	5	1,310.09	5	1,060.48	5	811.10	5	567.38	5	317.80	5	68.22	5		5	
1/4	1,804.11	1/4	1,554.50	1/4	1,304.89	1/4	1,055.28	1/4	805.98	1/4	562.18	1/4	312.60	1/4	63.02	1/4		1/4	
1/2	1,798.91	1/2	1,549.30	1/2	1,299.69	1/2	1,050.08	1/2	800.93	1/2	556.98	1/2	307.40	1/2	57.82	1/2		1/2	
3/4	1,793.71	3/4	1,544.10	3/4	1,294.49	3/4	1,044.88	3/4	795.88	3/4	551.78	3/4	302.20	3/4	52.62	3/4		3/4	
6	1,788.51	6	1,538.90	6	1,289.29	6	1,039.68	6	790.83	6	546.59	6	297.00	6	47.42	6		6	
1/4	1,783.31	1/4	1,533.70	1/4	1,284.09	1/4	1,034.48	1/4	785.78	1/4	541.39	1/4	291.80	1/4	42.22	1/4		1/4	
1/2	1,778.11	1/2	1,528.50	1/2	1,278.89	1/2	1,029.28	1/2	780.73	1/2	536.19	1/2	286.60	1/2	37.45	1/2		1/2	
3/4	1,772.91	3/4	1,523.30	3/4	1,273.69	3/4	1,024.08	3/4	775.69	3/4	530.99	3/4	281.40	3/4	32.68	3/4		3/4	
7	1,767.71	7	1,518.10	7	1,268.49	7	1,018.88	7	770.64	7	525.79	7	276.20	7	27.92	7		7	
1/4	1,762.51	1/4	1,512.90	1/4	1,263.29	1/4	1,013.68	1/4	765.59	1/4	520.59	1/4	271.00	1/4	23.15	1/4		1/4	
1/2	1,757.31	1/2	1,507.70	1/2	1,258.09	1/2	1,008.48	1/2	760.54	1/2	515.39	1/2	265.80	1/2	19.69	1/2		1/2	
3/4	1,752.11	3/4	1,502.50	3/4	1,252.89	3/4	1,003.28	3/4	755.50	3/4	510.19	3/4	260.60	3/4	16.22	3/4		3/4	
8	1,746.91	8	1,497.30	8	1,247.69	8	998.08	8	750.45	8	504.99	8	255.40	8	12.75	8		8	
1/4	1,741.71	1/4	1,492.10	1/4	1,242.49	1/4	992.88	1/4	745.40	1/4	499.79	1/4	250.20	1/4	9.29	1/4		1/4	
1/2	1,736.51	1/2	1,486.90	1/2	1,237.29	1/2	987.68	1/2	740.35	1/2	494.59	1/2	245.00	1/2	7.55	1/2		1/2	
3/4	1,731.31	3/4	1,481.70	3/4	1,232.09	3/4	982.48	3/4	735.31	3/4	489.39	3/4	239.81	3/4	5.82	3/4		3/4	
9	1,726.11	9	1,476.50	9	1,226.89	9	977.28	9	730.26	9	484.19	9	234.61	9	4.09	9		9	
1/4	1,720.91	1/4	1,471.30	1/4	1,221.69	1/4	972.08	1/4	725.21	1/4	478.99	1/4	229.41	1/4	2.36	1/4		1/4	
1/2	1,715.71	1/2	1,466.10	1/2	1,216.49	1/2	966.88	1/2	720.16	1/2	473.79	1/2	224.21	1/2		1/2		1/2	
3/4	1,710.51	3/4	1,460.90	3/4	1,211.29	3/4	961.68	3/4	715.12	3/4	468.59	3/4	219.01	3/4		3/4		3/4	
10	1,705.31	10	1,455.70	10	1,206.09	10	956.48	10	710.07	10	463.39	10	213.81	10		10		10	
1/4	1,700.11	1/4	1,450.50	1/4	1,200.89	1/4	951.28	1/4	705.02	1/4	458.19	1/4	208.61	1/4		1/4		1/4	
1/2	1,694.91	1/2	1,445.30	1/2	1,195.69	1/2	946.08	1/2	699.97	1/2	452.99	1/2	203.41	1/2		1/2		1/2	
3/4	1,689.71	3/4	1,440.10	3/4	1,190.49	3/4	940.88	3/4	694.93	3/4	447.79	3/4	198.21	3/4		3/4		3/4	
11	1,684.51	11	1,434.90	11	1,185.29	11	935.68	11	689.88	11	442.59	11	193.01	11		11		11	
1/4	1,679.31	1/4	1,429.70	1/4	1,180.09	1/4	930.48	1/4	684.83	1/4	437.39	1/4	187.81	1/4		1/4		1/4	
1/2	1,674.11	1/2	1,424.50	1/2	1,174.89	1/2	925.28	1/2	679.78	1/2	432.19	1/2	182.61	1/2		1/2		1/2	
3/4	1,668.91	3/4	1,419.30	3/4	1,169.69	3/4	920.08	3/4	674.74	3/4	426.99	3/4	177.41	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/29/2005 CL - SW
CALCULATED: 09/30/2005 CL
VERIFIED: 10/26/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

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



BARGE "KIRBY 11523"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-09 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	3,390.28	0	3,142.98	0	2,895.68	0	2,648.38	0	2,401.08	0	2,153.78
1/4		1/4		1/4		1/4		1/4	3,385.13	1/4	3,137.83	1/4	2,890.53	1/4	2,643.23	1/4	2,395.92	1/4	2,148.62
1/2		1/2		1/2		1/2		1/2	3,379.98	1/2	3,132.67	1/2	2,885.37	1/2	2,638.07	1/2	2,390.77	1/2	2,143.47
3/4		3/4		3/4		3/4		3/4	3,374.82	3/4	3,127.52	3/4	2,880.22	3/4	2,632.92	3/4	2,385.62	3/4	2,138.32
1		1		1		1		1	3,369.67	1	3,122.37	1	2,875.07	1	2,627.77	1	2,380.47	1	2,133.17
1/4		1/4		1/4		1/4		1/4	3,364.52	1/4	3,117.22	1/4	2,869.92	1/4	2,622.62	1/4	2,375.32	1/4	2,128.02
1/2		1/2		1/2		1/2		1/2	3,584.34	1/2	3,359.37	1/2	3,112.07	1/2	2,864.77	1/2	2,617.46	1/2	2,122.86
3/4		3/4		3/4		3/4		3/4	3,582.63	3/4	3,354.22	3/4	3,106.91	3/4	2,859.61	3/4	2,612.31	3/4	2,117.71
2		2		2		2		2	3,580.91	2	3,349.06	2	3,101.76	2	2,854.46	2	2,607.16	2	2,112.56
1/4		1/4		1/4		1/4		1/4	3,579.19	1/4	3,343.91	1/4	3,096.61	1/4	2,849.31	1/4	2,602.01	1/4	2,107.41
1/2		1/2		1/2		1/2		1/2	3,577.48	1/2	3,338.76	1/2	3,091.46	1/2	2,844.16	1/2	2,596.86	1/2	2,102.25
3/4		3/4		3/4		3/4		3/4	3,574.04	3/4	3,333.61	3/4	3,086.31	3/4	2,839.01	3/4	2,591.70	3/4	2,097.10
3		3		3		3		3	3,570.61	3	3,328.45	3	3,081.15	3	2,833.85	3	2,586.55	3	2,339.25
1/4		1/4		1/4		1/4		1/4	3,567.18	1/4	3,323.30	1/4	3,076.00	1/4	2,828.70	1/4	2,581.40	1/4	2,086.80
1/2		1/2		1/2		1/2		1/2	3,563.74	1/2	3,318.15	1/2	3,070.85	1/2	2,823.55	1/2	2,576.25	1/2	2,081.65
3/4		3/4		3/4		3/4		3/4	3,559.02	3/4	3,313.00	3/4	3,065.70	3/4	2,818.40	3/4	2,571.10	3/4	2,076.49
4		4		4		4		4	3,554.29	4	3,307.85	4	3,060.55	4	2,813.24	4	2,565.94	4	2,318.64
1/4		1/4		1/4		1/4		1/4	3,549.57	1/4	3,302.69	1/4	3,055.39	1/4	2,808.09	1/4	2,560.79	1/4	2,071.34
1/2		1/2		1/2		1/2		1/2	3,544.84	1/2	3,297.54	1/2	3,050.24	1/2	2,802.94	1/2	2,555.64	1/2	2,066.19
3/4		3/4		3/4		3/4		3/4	3,539.69	3/4	3,292.39	3/4	3,045.09	3/4	2,797.79	3/4	2,550.49	3/4	2,061.04
5		5		5		5		5	3,534.54	5	3,287.24	5	3,039.94	5	2,792.64	5	2,545.34	5	2,298.03
1/4		1/4		1/4		1/4		1/4	3,529.39	1/4	3,282.09	1/4	3,034.78	1/4	2,787.48	1/4	2,540.18	1/4	2,055.73
1/2		1/2		1/2		1/2		1/2	3,524.23	1/2	3,276.93	1/2	3,029.63	1/2	2,782.33	1/2	2,535.03	1/2	2,050.58
3/4		3/4		3/4		3/4		3/4	3,519.08	3/4	3,271.78	3/4	3,024.48	3/4	2,777.18	3/4	2,529.88	3/4	2,045.43
6		6		6		6		6	3,513.93	6	3,266.63	6	3,019.33	6	2,772.03	6	2,524.73	6	2,040.28
1/4		1/4		1/4		1/4		1/4	3,508.78	1/4	3,261.48	1/4	3,014.18	1/4	2,766.88	1/4	2,519.57	1/4	2,035.13
1/2		1/2		1/2		1/2		1/2	3,503.63	1/2	3,256.33	1/2	3,009.02	1/2	2,761.72	1/2	2,514.42	1/2	2,029.97
3/4		3/4		3/4		3/4		3/4	3,498.47	3/4	3,251.17	3/4	3,003.87	3/4	2,756.57	3/4	2,509.27	3/4	2,024.82
7		7		7		7		7	3,493.32	7	3,246.02	7	2,998.72	7	2,751.42	7	2,504.12	7	2,019.67
1/4		1/4		1/4		1/4		1/4	3,488.17	1/4	3,240.87	1/4	2,993.57	1/4	2,746.27	1/4	2,498.97	1/4	2,014.52
1/2		1/2		1/2		1/2		1/2	3,483.02	1/2	3,235.72	1/2	2,988.42	1/2	2,741.12	1/2	2,493.81	1/2	2,009.37
3/4		3/4		3/4		3/4		3/4	3,477.87	3/4	3,230.56	3/4	2,983.26	3/4	2,735.96	3/4	2,488.66	3/4	2,004.22
8		8		8		8		8	3,472.71	8	3,225.41	8	2,978.11	8	2,730.81	8	2,483.51	8	1,999.07
1/4		1/4		1/4		1/4		1/4	3,467.56	1/4	3,220.26	1/4	2,972.96	1/4	2,725.66	1/4	2,478.36	1/4	1,993.92
1/2		1/2		1/2		1/2		1/2	3,462.41	1/2	3,215.11	1/2	2,967.81	1/2	2,720.51	1/2	2,473.21	1/2	1,988.77
3/4		3/4		3/4		3/4		3/4	3,457.26	3/4	3,209.96	3/4	2,962.66	3/4	2,715.35	3/4	2,468.05	3/4	1,983.62
9		9		9		9		9	3,452.10	9	3,204.80	9	2,957.50	9	2,710.20	9	2,462.90	9	1,978.47
1/4		1/4		1/4		1/4		1/4	3,446.95	1/4	3,199.65	1/4	2,952.35	1/4	2,705.05	1/4	2,457.75	1/4	1,973.32
1/2		1/2		1/2		1/2		1/2	3,441.80	1/2	3,194.50	1/2	2,947.20	1/2	2,699.90	1/2	2,452.60	1/2	1,968.17
3/4		3/4		3/4		3/4		3/4	3,436.65	3/4	3,189.35	3/4	2,942.05	3/4	2,694.75	3/4	2,447.45	3/4	1,963.02
10		10		10		10		10	3,431.50	10	3,184.20	10	2,936.89	10	2,689.59	10	2,442.29	10	1,957.87
1/4		1/4		1/4		1/4		1/4	3,426.34	1/4	3,179.04	1/4	2,931.74	1/4	2,684.44	1/4	2,437.14	1/4	1,952.72
1/2		1/2		1/2		1/2		1/2	3,421.19	1/2	3,173.89	1/2	2,926.59	1/2	2,679.29	1/2	2,431.99	1/2	1,947.57
3/4		3/4		3/4		3/4		3/4	3,416.04	3/4	3,168.74	3/4	2,921.44	3/4	2,674.14	3/4	2,426.84	3/4	1,942.42
11		11		11		11		11	3,410.89	11	3,163.59	11	2,916.29	11	2,668.99	11	2,421.68	11	1,937.27
1/4		1/4		1/4		1/4		1/4	3,405.74	1/4	3,158.44	1/4	2,911.13	1/4	2,663.83	1/4	2,416.53	1/4	1,932.12
1/2		1/2		1/2		1/2		1/2	3,400.58	1/2	3,153.28	1/2	2,905.98	1/2	2,658.68	1/2	2,411.38	1/2	1,926.97
3/4		3/4		3/4		3/4		3/4	3,395.43	3/4	3,148.13	3/4	2,900.83	3/4	2,653.53	3/4	2,406.23	3/4	1,921.82

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 1'-00" OFF CENTERLINE AND 28'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 11523"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-09 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,906.47	0	1,659.17	0	1,411.87	0	1,164.57	0	917.27	0	670.24	0	423.07	0	175.78	0		0	
1/4	1,901.32	1/4	1,654.02	1/4	1,406.72	1/4	1,159.42	1/4	912.12	1/4	665.10	1/4	417.92	1/4	170.63	1/4		1/4	
1/2	1,896.17	1/2	1,648.87	1/2	1,401.57	1/2	1,154.27	1/2	906.97	1/2	659.96	1/2	412.77	1/2	165.48	1/2		1/2	
3/4	1,891.02	3/4	1,643.72	3/4	1,396.42	3/4	1,149.12	3/4	901.82	3/4	654.82	3/4	407.61	3/4	160.33	3/4		3/4	
1	1,885.87	1	1,638.57	1	1,391.26	1	1,143.96	1	896.66	1	649.67	1	402.46	1	155.18	1		1	
1/4	1,880.71	1/4	1,633.41	1/4	1,386.11	1/4	1,138.81	1/4	891.51	1/4	644.53	1/4	397.31	1/4	150.02	1/4		1/4	
1/2	1,875.56	1/2	1,628.26	1/2	1,380.96	1/2	1,133.66	1/2	886.36	1/2	639.39	1/2	392.16	1/2	144.87	1/2		1/2	
3/4	1,870.41	3/4	1,623.11	3/4	1,375.81	3/4	1,128.51	3/4	881.21	3/4	634.25	3/4	387.01	3/4	139.72	3/4		3/4	
2	1,865.26	2	1,617.96	2	1,370.66	2	1,123.36	2	876.05	2	629.11	2	381.86	2	134.57	2		2	
1/4	1,860.11	1/4	1,612.81	1/4	1,365.50	1/4	1,118.20	1/4	870.90	1/4	623.96	1/4	376.70	1/4	129.42	1/4		1/4	
1/2	1,854.95	1/2	1,607.65	1/2	1,360.35	1/2	1,113.05	1/2	865.75	1/2	618.82	1/2	371.55	1/2	124.27	1/2		1/2	
3/4	1,849.80	3/4	1,602.50	3/4	1,355.20	3/4	1,107.90	3/4	860.60	3/4	613.68	3/4	366.40	3/4	119.11	3/4		3/4	
3	1,844.65	3	1,597.35	3	1,350.05	3	1,102.75	3	855.45	3	608.53	3	361.25	3	113.96	3		3	
1/4	1,839.50	1/4	1,592.20	1/4	1,344.90	1/4	1,097.60	1/4	850.29	1/4	603.38	1/4	356.10	1/4	108.81	1/4		1/4	
1/2	1,834.35	1/2	1,587.04	1/2	1,339.74	1/2	1,092.44	1/2	845.14	1/2	598.24	1/2	350.94	1/2	103.66	1/2		1/2	
3/4	1,829.19	3/4	1,581.89	3/4	1,334.59	3/4	1,087.29	3/4	839.99	3/4	593.08	3/4	345.79	3/4	98.51	3/4		3/4	
4	1,824.04	4	1,576.74	4	1,329.44	4	1,082.14	4	834.84	4	587.93	4	340.64	4	93.35	4		4	
1/4	1,818.89	1/4	1,571.59	1/4	1,324.29	1/4	1,076.99	1/4	829.69	1/4	582.78	1/4	335.49	1/4	88.20	1/4		1/4	
1/2	1,813.74	1/2	1,566.44	1/2	1,319.14	1/2	1,071.83	1/2	824.53	1/2	577.63	1/2	330.34	1/2	83.05	1/2		1/2	
3/4	1,808.59	3/4	1,561.28	3/4	1,313.98	3/4	1,066.68	3/4	819.39	3/4	572.48	3/4	325.19	3/4	77.90	3/4		3/4	
5	1,803.43	5	1,556.13	5	1,308.83	5	1,061.53	5	814.24	5	567.32	5	320.03	5	72.75	5		5	
1/4	1,798.28	1/4	1,550.98	1/4	1,303.68	1/4	1,056.38	1/4	809.09	1/4	562.17	1/4	314.88	1/4	67.60	1/4		1/4	
1/2	1,793.13	1/2	1,545.83	1/2	1,298.53	1/2	1,051.23	1/2	803.94	1/2	557.02	1/2	309.73	1/2	62.44	1/2		1/2	
3/4	1,787.98	3/4	1,540.68	3/4	1,293.38	3/4	1,046.07	3/4	798.80	3/4	551.87	3/4	304.58	3/4	57.29	3/4		3/4	
6	1,782.82	6	1,535.52	6	1,288.22	6	1,040.92	6	793.66	6	546.72	6	299.43	6	52.14	6		6	
1/4	1,777.67	1/4	1,530.37	1/4	1,283.07	1/4	1,035.77	1/4	788.51	1/4	541.56	1/4	294.27	1/4	46.99	1/4		1/4	
1/2	1,772.52	1/2	1,525.22	1/2	1,277.92	1/2	1,030.62	1/2	783.37	1/2	536.41	1/2	289.12	1/2	41.84	1/2		1/2	
3/4	1,767.37	3/4	1,520.07	3/4	1,272.77	3/4	1,025.47	3/4	778.23	3/4	531.26	3/4	283.97	3/4	37.11	3/4		3/4	
7	1,762.22	7	1,514.92	7	1,267.61	7	1,020.31	7	773.08	7	526.11	7	278.82	7	32.39	7		7	
1/4	1,757.06	1/4	1,509.76	1/4	1,262.46	1/4	1,015.16	1/4	767.94	1/4	520.95	1/4	273.67	1/4	27.67	1/4		1/4	
1/2	1,751.91	1/2	1,504.61	1/2	1,257.31	1/2	1,010.01	1/2	762.80	1/2	515.80	1/2	268.52	1/2	22.95	1/2		1/2	
3/4	1,746.76	3/4	1,499.46	3/4	1,252.16	3/4	1,004.86	3/4	757.66	3/4	510.65	3/4	263.36	3/4	19.51	3/4		3/4	
8	1,741.61	8	1,494.31	8	1,247.01	8	999.71	8	752.51	8	505.50	8	258.21	8	16.08	8		8	
1/4	1,736.46	1/4	1,489.15	1/4	1,241.85	1/4	994.55	1/4	747.37	1/4	500.35	1/4	253.06	1/4	12.64	1/4		1/4	
1/2	1,731.30	1/2	1,484.00	1/2	1,236.70	1/2	989.40	1/2	742.23	1/2	495.20	1/2	247.91	1/2	9.21	1/2		1/2	
3/4	1,726.15	3/4	1,478.85	3/4	1,231.55	3/4	984.25	3/4	737.09	3/4	490.04	3/4	242.76	3/4	7.49	3/4		3/4	
9	1,721.00	9	1,473.70	9	1,226.40	9	979.10	9	731.95	9	484.89	9	237.61	9	5.77	9		9	
1/4	1,715.85	1/4	1,468.55	1/4	1,221.25	1/4	973.94	1/4	726.80	1/4	479.74	1/4	232.45	1/4	4.06	1/4		1/4	
1/2	1,710.70	1/2	1,463.39	1/2	1,216.09	1/2	968.79	1/2	721.66	1/2	474.59	1/2	227.30	1/2	2.34	1/2		1/2	
3/4	1,705.54	3/4	1,458.24	3/4	1,210.94	3/4	963.64	3/4	716.52	3/4	469.44	3/4	222.15	3/4		3/4		3/4	
10	1,700.39	10	1,453.09	10	1,205.79	10	958.49	10	711.38	10	464.28	10	217.00	10		10		10	
1/4	1,695.24	1/4	1,447.94	1/4	1,200.64	1/4	953.34	1/4	706.24	1/4	459.13	1/4	211.85	1/4		1/4		1/4	
1/2	1,690.09	1/2	1,442.79	1/2	1,195.49	1/2	948.18	1/2	701.09	1/2	453.98	1/2	206.69	1/2		1/2		1/2	
3/4	1,684.93	3/4	1,437.63	3/4	1,190.33	3/4	943.03	3/4	695.95	3/4	448.83	3/4	201.54	3/4		3/4		3/4	
11	1,679.78	11	1,432.48	11	1,185.18	11	937.88	11	690.81	11	443.68	11	196.39	11		11		11	
1/4	1,674.63	1/4	1,427.33	1/4	1,180.03	1/4	932.73	1/4	685.67	1/4	438.53	1/4	191.24	1/4		1/4		1/4	
1/2	1,669.48	1/2	1,422.18	1/2	1,174.88	1/2	927.58	1/2	680.53	1/2	433.37	1/2	186.09	1/2		1/2		1/2	
3/4	1,664.33	3/4	1,417.03	3/4	1,169.72	3/4	922.42	3/4	675.38	3/4	428.22	3/4	180.94	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/29/2005 CL - SW
CALCULATED: 09/30/2005 CL
VERIFIED: 10/26/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

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