



# BARGE "KIRBY 11359"

ULLAGE TRIM TABLE  
FORMERLY "FMT 1048"

	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	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 CENTER	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-2/8	- 00-2/8	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2
3 CENTER	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 CENTER IS - 00-1/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 169'-06"

September 12, 2023

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 11359"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "FMT 1048"

GAUGE HEIGHT 17'-08 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	3,870.07	0	3,654.83	0	3,408.84	0	3,162.85	0	2,907.65	0	2,633.97	0	2,360.30
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,869.86	1/4	3,649.70	1/4	3,403.71	1/4	3,157.72	1/4	2,901.95	1/4	2,628.27	1/4	2,354.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,868.58	1/2	3,644.58	1/2	3,398.59	1/2	3,152.60	1/2	2,896.25	1/2	2,622.57	1/2	2,348.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,867.30	3/4	3,639.45	3/4	3,393.46	3/4	3,147.48	3/4	2,890.55	3/4	2,616.87	3/4	2,343.20
1		1		1		1	3,866.02	1	3,634.33	1	3,388.34	1	3,142.35	1	2,884.84	1	2,611.17	1	2,337.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,864.74	1/4	3,629.20	1/4	3,383.21	1/4	3,137.23	1/4	2,879.14	1/4	2,605.47	1/4	2,331.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,861.75	1/2	3,624.08	1/2	3,378.09	1/2	3,132.11	1/2	2,873.44	1/2	2,599.77	1/2	2,326.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,858.76	3/4	3,618.96	3/4	3,372.96	3/4	3,126.98	3/4	2,867.74	3/4	2,594.07	3/4	2,320.39
2		2		2		2	3,855.77	2	3,613.83	2	3,367.84	2	3,121.86	2	2,862.03	2	2,588.36	2	2,314.68
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,852.78	1/4	3,608.71	1/4	3,362.71	1/4	3,116.73	1/4	2,856.33	1/4	2,582.66	1/4	2,308.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,848.14	1/2	3,603.59	1/2	3,357.59	1/2	3,111.61	1/2	2,850.63	1/2	2,576.96	1/2	2,303.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,843.49	3/4	3,598.46	3/4	3,352.46	3/4	3,106.48	3/4	2,844.93	3/4	2,571.26	3/4	2,297.58
3		3		3		3	3,838.85	3	3,593.34	3	3,347.34	3	3,101.36	3	2,839.23	3	2,565.56	3	2,291.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,834.20	1/4	3,588.21	1/4	3,342.21	1/4	3,096.23	1/4	2,833.53	1/4	2,559.86	1/4	2,286.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,829.08	1/2	3,583.09	1/2	3,337.09	1/2	3,091.11	1/2	2,827.83	1/2	2,554.16	1/2	2,280.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,823.95	3/4	3,577.96	3/4	3,331.96	3/4	3,085.99	3/4	2,822.13	3/4	2,548.46	3/4	2,274.77
4		4		4		4	3,818.83	4	3,572.84	4	3,326.84	4	3,080.86	4	2,816.42	4	2,542.75	4	2,269.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,813.70	1/4	3,567.71	1/4	3,321.71	1/4	3,075.74	1/4	2,810.72	1/4	2,537.05	1/4	2,263.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,808.58	1/2	3,562.59	1/2	3,316.59	1/2	3,070.62	1/2	2,805.02	1/2	2,531.35	1/2	2,257.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,803.45	3/4	3,557.46	3/4	3,311.46	3/4	3,065.49	3/4	2,799.32	3/4	2,525.65	3/4	2,251.96
5		5		5		5	3,798.33	5	3,552.34	5	3,306.34	5	3,060.37	5	2,793.62	5	2,519.94	5	2,246.25
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,793.20	1/4	3,547.21	1/4	3,301.21	1/4	3,055.24	1/4	2,787.92	1/4	2,514.24	1/4	2,240.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,788.08	1/2	3,542.09	1/2	3,296.09	1/2	3,050.12	1/2	2,782.22	1/2	2,508.54	1/2	2,234.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,782.95	3/4	3,536.96	3/4	3,290.96	3/4	3,044.99	3/4	2,776.52	3/4	2,502.84	3/4	2,229.15
6		6		6		6	3,777.83	6	3,531.84	6	3,285.84	6	3,039.87	6	2,770.81	6	2,497.14	6	2,223.45
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,772.70	1/4	3,526.71	1/4	3,280.71	1/4	3,034.74	1/4	2,765.11	1/4	2,491.44	1/4	2,217.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,767.58	1/2	3,521.59	1/2	3,275.59	1/2	3,029.62	1/2	2,759.41	1/2	2,485.74	1/2	2,212.05
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,762.45	3/4	3,516.46	3/4	3,270.46	3/4	3,024.49	3/4	2,753.71	3/4	2,480.04	3/4	2,206.35
7		7		7		7	3,757.33	7	3,511.34	7	3,265.34	7	3,019.37	7	2,748.00	7	2,474.33	7	2,200.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,752.20	1/4	3,506.21	1/4	3,260.21	1/4	3,014.24	1/4	2,742.30	1/4	2,468.63	1/4	2,194.94
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,747.08	1/2	3,501.09	1/2	3,255.09	1/2	3,008.97	1/2	2,736.60	1/2	2,462.93	1/2	2,189.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,741.95	3/4	3,495.96	3/4	3,249.96	3/4	3,003.71	3/4	2,730.90	3/4	2,457.23	3/4	2,183.54
8		8		8		8	3,736.83	8	3,490.84	8	3,244.84	8	2,998.44	8	2,725.20	8	2,451.53	8	2,177.83
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,731.70	1/4	3,485.71	1/4	3,239.71	1/4	2,993.17	1/4	2,719.50	1/4	2,445.83	1/4	2,172.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,726.58	1/2	3,480.59	1/2	3,234.59	1/2	2,987.47	1/2	2,713.80	1/2	2,440.13	1/2	2,166.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,721.45	3/4	3,475.46	3/4	3,229.47	3/4	2,981.77	3/4	2,708.10	3/4	2,434.43	3/4	2,160.73
9		9		9		9	3,716.33	9	3,470.34	9	3,224.34	9	2,976.06	9	2,702.39	9	2,428.72	9	2,155.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,711.20	1/4	3,465.21	1/4	3,219.22	1/4	2,970.36	1/4	2,696.69	1/4	2,423.02	1/4	2,149.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,706.08	1/2	3,460.09	1/2	3,214.10	1/2	2,964.66	1/2	2,690.99	1/2	2,417.32	1/2	2,143.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,700.95	3/4	3,454.96	3/4	3,208.97	3/4	2,958.96	3/4	2,685.29	3/4	2,411.62	3/4	2,137.92
10		10		10		10	3,695.83	10	3,449.84	10	3,203.85	10	2,953.26	10	2,679.59	10	2,405.91	10	2,132.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,690.70	1/4	3,444.71	1/4	3,198.72	1/4	2,947.56	1/4	2,673.89	1/4	2,400.21	1/4	2,126.51
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,685.58	1/2	3,439.59	1/2	3,193.60	1/2	2,941.86	1/2	2,668.19	1/2	2,394.51	1/2	2,120.81
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,680.45	3/4	3,434.46	3/4	3,188.47	3/4	2,936.16	3/4	2,662.49	3/4	2,388.81	3/4	2,115.11
11		11		11		11	3,675.33	11	3,429.34	11	3,183.35	11	2,930.45	11	2,656.78	11	2,383.11	11	2,109.40
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,670.20	1/4	3,424.21	1/4	3,178.22	1/4	2,924.75	1/4	2,651.08	1/4	2,377.41	1/4	2,103.70
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,665.08	1/2	3,419.09	1/2	3,173.10	1/2	2,919.05	1/2	2,645.38	1/2	2,371.71	1/2	2,098.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,659.95	3/4	3,413.96	3/4	3,167.97	3/4	2,913.35	3/4	2,639.68	3/4	2,366.01	3/4	2,092.30

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 01'-00" OFF CENTERLINE AND 30'-00" FORWARD OF AFT BULKHEAD.

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



# BARGE "KIRBY 11359"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "FMT 1048"

GAUGE HEIGHT 17'-08 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	2,086.59	0	1,812.89	0	1,539.18	0	1,265.47	0	991.75	0	718.46	0	445.12	0	171.44	0		0	
1/4	2,080.89	1/4	1,807.19	1/4	1,533.48	1/4	1,259.77	1/4	986.05	1/4	712.78	1/4	439.42	1/4	165.74	1/4		1/4	
1/2	2,075.19	1/2	1,801.49	1/2	1,527.78	1/2	1,254.07	1/2	980.35	1/2	707.10	1/2	433.72	1/2	160.04	1/2		1/2	
3/4	2,069.49	3/4	1,795.79	3/4	1,522.08	3/4	1,248.37	3/4	974.65	3/4	701.42	3/4	428.02	3/4	154.34	3/4		3/4	
1	2,063.79	1	1,790.08	1	1,516.37	1	1,242.66	1	968.94	1	695.73	1	422.32	1	148.64	1		1	
1/4	2,058.09	1/4	1,784.38	1/4	1,510.67	1/4	1,236.96	1/4	963.24	1/4	690.05	1/4	416.62	1/4	142.94	1/4		1/4	
1/2	2,052.39	1/2	1,778.68	1/2	1,504.97	1/2	1,231.26	1/2	957.54	1/2	684.37	1/2	410.92	1/2	137.24	1/2		1/2	
3/4	2,046.69	3/4	1,772.98	3/4	1,499.27	3/4	1,225.56	3/4	951.84	3/4	678.69	3/4	405.22	3/4	131.54	3/4		3/4	
2	2,040.98	2	1,767.27	2	1,493.56	2	1,219.85	2	946.13	2	673.00	2	399.51	2	125.83	2		2	
1/4	2,035.28	1/4	1,761.57	1/4	1,487.86	1/4	1,214.15	1/4	940.43	1/4	667.32	1/4	393.81	1/4	120.13	1/4		1/4	
1/2	2,029.58	1/2	1,755.87	1/2	1,482.16	1/2	1,208.45	1/2	934.73	1/2	661.64	1/2	388.11	1/2	114.43	1/2		1/2	
3/4	2,023.88	3/4	1,750.17	3/4	1,476.46	3/4	1,202.75	3/4	929.03	3/4	655.96	3/4	382.41	3/4	108.73	3/4		3/4	
3	2,018.17	3	1,744.46	3	1,470.75	3	1,197.04	3	923.32	3	650.27	3	376.70	3	103.02	3		3	
1/4	2,012.47	1/4	1,738.76	1/4	1,465.05	1/4	1,191.34	1/4	917.62	1/4	644.59	1/4	371.00	1/4	97.32	1/4		1/4	
1/2	2,006.77	1/2	1,733.06	1/2	1,459.35	1/2	1,185.64	1/2	911.92	1/2	638.91	1/2	365.30	1/2	91.62	1/2		1/2	
3/4	2,001.07	3/4	1,727.36	3/4	1,453.65	3/4	1,179.94	3/4	906.22	3/4	633.23	3/4	359.60	3/4	85.92	3/4		3/4	
4	1,995.36	4	1,721.66	4	1,447.94	4	1,174.23	4	900.51	4	627.54	4	353.90	4	80.22	4		4	
1/4	1,989.66	1/4	1,715.96	1/4	1,442.24	1/4	1,168.53	1/4	894.81	1/4	621.86	1/4	348.20	1/4	74.52	1/4		1/4	
1/2	1,983.96	1/2	1,710.26	1/2	1,436.54	1/2	1,162.83	1/2	889.11	1/2	616.16	1/2	342.50	1/2	68.82	1/2		1/2	
3/4	1,978.26	3/4	1,704.56	3/4	1,430.84	3/4	1,157.13	3/4	883.41	3/4	610.46	3/4	336.80	3/4	63.12	3/4		3/4	
5	1,972.55	5	1,698.85	5	1,425.13	5	1,151.42	5	877.70	5	604.75	5	331.09	5	57.41	5		5	
1/4	1,966.85	1/4	1,693.15	1/4	1,419.43	1/4	1,145.72	1/4	872.00	1/4	599.05	1/4	325.39	1/4	51.71	1/4		1/4	
1/2	1,961.15	1/2	1,687.45	1/2	1,413.73	1/2	1,140.02	1/2	866.30	1/2	593.35	1/2	319.69	1/2	46.01	1/2		1/2	
3/4	1,955.45	3/4	1,681.75	3/4	1,408.03	3/4	1,134.32	3/4	860.60	3/4	587.65	3/4	313.99	3/4	40.31	3/4		3/4	
6	1,949.74	6	1,676.04	6	1,402.32	6	1,128.61	6	854.89	6	581.95	6	308.28	6	34.61	6		6	
1/4	1,944.04	1/4	1,670.34	1/4	1,396.62	1/4	1,122.91	1/4	849.19	1/4	576.25	1/4	302.58	1/4	28.91	1/4		1/4	
1/2	1,938.34	1/2	1,664.64	1/2	1,390.92	1/2	1,117.21	1/2	843.50	1/2	570.55	1/2	296.88	1/2	24.07	1/2		1/2	
3/4	1,932.64	3/4	1,658.94	3/4	1,385.22	3/4	1,111.51	3/4	837.81	3/4	564.85	3/4	291.18	3/4	19.23	3/4		3/4	
7	1,926.93	7	1,653.23	7	1,379.51	7	1,105.80	7	832.11	7	559.15	7	285.48	7	14.38	7		7	
1/4	1,921.23	1/4	1,647.53	1/4	1,373.81	1/4	1,100.10	1/4	826.42	1/4	553.45	1/4	279.78	1/4	9.54	1/4		1/4	
1/2	1,915.53	1/2	1,641.83	1/2	1,368.11	1/2	1,094.40	1/2	820.74	1/2	547.75	1/2	274.08	1/2	7.40	1/2		1/2	
3/4	1,909.83	3/4	1,636.13	3/4	1,362.41	3/4	1,088.70	3/4	815.06	3/4	542.05	3/4	268.38	3/4	5.27	3/4		3/4	
8	1,904.13	8	1,630.42	8	1,356.71	8	1,082.99	8	809.37	8	536.35	8	262.67	8	3.13	8		8	
1/4	1,898.43	1/4	1,624.72	1/4	1,351.01	1/4	1,077.29	1/4	803.69	1/4	530.65	1/4	256.97	1/4	0.99	1/4		1/4	
1/2	1,892.73	1/2	1,619.02	1/2	1,345.31	1/2	1,071.59	1/2	798.01	1/2	524.95	1/2	251.27	1/2		1/2		1/2	
3/4	1,887.03	3/4	1,613.32	3/4	1,339.61	3/4	1,065.89	3/4	792.33	3/4	519.25	3/4	245.57	3/4		3/4		3/4	
9	1,881.32	9	1,607.61	9	1,333.90	9	1,060.18	9	786.64	9	513.54	9	239.86	9		9		9	
1/4	1,875.62	1/4	1,601.91	1/4	1,328.20	1/4	1,054.48	1/4	780.96	1/4	507.84	1/4	234.16	1/4		1/4		1/4	
1/2	1,869.92	1/2	1,596.21	1/2	1,322.50	1/2	1,048.78	1/2	775.28	1/2	502.14	1/2	228.46	1/2		1/2		1/2	
3/4	1,864.22	3/4	1,590.51	3/4	1,316.80	3/4	1,043.08	3/4	769.60	3/4	496.44	3/4	222.76	3/4		3/4		3/4	
10	1,858.51	10	1,584.80	10	1,311.09	10	1,037.37	10	763.92	10	490.74	10	217.06	10		10		10	
1/4	1,852.81	1/4	1,579.10	1/4	1,305.39	1/4	1,031.67	1/4	758.24	1/4	485.04	1/4	211.36	1/4		1/4		1/4	
1/2	1,847.11	1/2	1,573.40	1/2	1,299.69	1/2	1,025.97	1/2	752.56	1/2	479.34	1/2	205.66	1/2		1/2		1/2	
3/4	1,841.41	3/4	1,567.70	3/4	1,293.99	3/4	1,020.27	3/4	746.88	3/4	473.64	3/4	199.96	3/4		3/4		3/4	
11	1,835.70	11	1,561.99	11	1,288.28	11	1,014.56	11	741.19	11	467.93	11	194.25	11		11		11	
1/4	1,830.00	1/4	1,556.29	1/4	1,282.58	1/4	1,008.86	1/4	735.51	1/4	462.23	1/4	188.55	1/4		1/4		1/4	
1/2	1,824.30	1/2	1,550.59	1/2	1,276.88	1/2	1,003.16	1/2	729.83	1/2	456.53	1/2	182.85	1/2		1/2		1/2	
3/4	1,818.60	3/4	1,544.89	3/4	1,271.18	3/4	997.46	3/4	724.15	3/4	450.83	3/4	177.15	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/31/2009 INT  
NAME CHANGE: 09/13/2023 JS  
VERIFIED: 09/12/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2023

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 11359"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "FMT 1048"

GAUGE HEIGHT 17'-09 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0		0	3,406.65	0	3,158.11	0	2,909.57	0	2,661.06	0	2,412.54	0	2,164.03		
1/4		1/4		1/4		1/4		1/4	3,401.47	1/4	3,152.93	1/4	2,904.39	1/4	2,655.88	1/4	2,407.36	1/4	2,158.85		
1/2		1/2		1/2		1/2		1/2	3,396.29	1/2	3,147.75	1/2	2,899.21	1/2	2,650.70	1/2	2,402.18	1/2	2,153.67		
3/4		3/4		3/4		3/4		3/4	3,608.60	3/4	3,391.12	3/4	3,142.58	3/4	2,894.04	3/4	2,645.53	3/4	2,397.01	3/4	2,148.49
1		1		1		1		1	3,608.17	1	3,385.94	1	3,137.40	1	2,888.86	1	2,640.35	1	2,391.83	1	2,143.31
1/4		1/4		1/4		1/4		1/4	3,607.73	1/4	3,380.76	1/4	3,132.22	1/4	2,883.68	1/4	2,635.17	1/4	2,386.65	1/4	2,138.13
1/2		1/2		1/2		1/2		1/2	3,606.01	1/2	3,375.58	1/2	3,127.04	1/2	2,878.50	1/2	2,629.99	1/2	2,381.47	1/2	2,132.95
3/4		3/4		3/4		3/4		3/4	3,604.28	3/4	3,370.41	3/4	3,121.87	3/4	2,873.33	3/4	2,624.82	3/4	2,376.30	3/4	2,127.78
2		2		2		2		2	3,602.56	2	3,365.23	2	3,116.69	2	2,868.15	2	2,619.64	2	2,371.12	2	2,122.60
1/4		1/4		1/4		1/4		1/4	3,600.83	1/4	3,360.05	1/4	3,111.51	1/4	2,862.97	1/4	2,614.46	1/4	2,365.94	1/4	2,117.42
1/2		1/2		1/2		1/2		1/2	3,597.38	1/2	3,354.87	1/2	3,106.33	1/2	2,857.79	1/2	2,609.28	1/2	2,360.76	1/2	2,112.24
3/4		3/4		3/4		3/4		3/4	3,593.93	3/4	3,349.70	3/4	3,101.15	3/4	2,852.62	3/4	2,604.11	3/4	2,355.59	3/4	2,107.07
3		3		3		3		3	3,590.47	3	3,344.52	3	3,095.97	3	2,847.44	3	2,598.93	3	2,350.41	3	2,101.89
1/4		1/4		1/4		1/4		1/4	3,587.02	1/4	3,339.34	1/4	3,090.79	1/4	2,842.26	1/4	2,593.75	1/4	2,345.23	1/4	2,096.71
1/2		1/2		1/2		1/2		1/2	3,582.06	1/2	3,334.16	1/2	3,085.61	1/2	2,837.08	1/2	2,588.57	1/2	2,340.05	1/2	2,091.53
3/4		3/4		3/4		3/4		3/4	3,577.10	3/4	3,328.99	3/4	3,080.44	3/4	2,831.91	3/4	2,583.40	3/4	2,334.88	3/4	2,086.36
4		4		4		4		4	3,572.13	4	3,323.81	4	3,075.26	4	2,826.73	4	2,578.22	4	2,329.70	4	2,081.18
1/4		1/4		1/4		1/4		1/4	3,567.17	1/4	3,318.63	1/4	3,070.08	1/4	2,821.55	1/4	2,573.04	1/4	2,324.52	1/4	2,076.00
1/2		1/2		1/2		1/2		1/2	3,561.99	1/2	3,313.45	1/2	3,064.90	1/2	2,816.37	1/2	2,567.86	1/2	2,319.34	1/2	2,070.82
3/4		3/4		3/4		3/4		3/4	3,556.82	3/4	3,308.27	3/4	3,059.73	3/4	2,811.20	3/4	2,562.69	3/4	2,314.17	3/4	2,065.65
5		5		5		5		5	3,551.64	5	3,303.09	5	3,054.55	5	2,806.02	5	2,557.51	5	2,308.99	5	2,060.47
1/4		1/4		1/4		1/4		1/4	3,546.46	1/4	3,297.91	1/4	3,049.37	1/4	2,800.84	1/4	2,552.33	1/4	2,303.81	1/4	2,055.29
1/2		1/2		1/2		1/2		1/2	3,541.28	1/2	3,292.73	1/2	3,044.19	1/2	2,795.66	1/2	2,547.15	1/2	2,298.63	1/2	2,050.11
3/4		3/4		3/4		3/4		3/4	3,536.11	3/4	3,287.56	3/4	3,039.02	3/4	2,790.49	3/4	2,541.98	3/4	2,293.46	3/4	2,044.93
6		6		6		6		6	3,530.93	6	3,282.38	6	3,033.84	6	2,785.31	6	2,536.80	6	2,288.28	6	2,039.75
1/4		1/4		1/4		1/4		1/4	3,525.75	1/4	3,277.20	1/4	3,028.66	1/4	2,780.13	1/4	2,531.62	1/4	2,283.10	1/4	2,034.57
1/2		1/2		1/2		1/2		1/2	3,520.57	1/2	3,272.02	1/2	3,023.48	1/2	2,774.95	1/2	2,526.44	1/2	2,277.93	1/2	2,029.39
3/4		3/4		3/4		3/4		3/4	3,515.40	3/4	3,266.85	3/4	3,018.31	3/4	2,769.78	3/4	2,521.27	3/4	2,272.75	3/4	2,024.22
7		7		7		7		7	3,510.22	7	3,261.67	7	3,013.13	7	2,764.60	7	2,516.09	7	2,267.58	7	2,019.04
1/4		1/4		1/4		1/4		1/4	3,505.04	1/4	3,256.49	1/4	3,007.95	1/4	2,759.42	1/4	2,510.91	1/4	2,262.40	1/4	2,013.86
1/2		1/2		1/2		1/2		1/2	3,499.86	1/2	3,251.31	1/2	3,002.77	1/2	2,754.25	1/2	2,505.73	1/2	2,257.22	1/2	2,008.68
3/4		3/4		3/4		3/4		3/4	3,494.68	3/4	3,246.14	3/4	2,997.59	3/4	2,749.07	3/4	2,500.56	3/4	2,252.05	3/4	2,003.51
8		8		8		8		8	3,489.50	8	3,240.96	8	2,992.41	8	2,743.90	8	2,495.38	8	2,246.87	8	1,998.33
1/4		1/4		1/4		1/4		1/4	3,484.32	1/4	3,235.78	1/4	2,987.23	1/4	2,738.72	1/4	2,490.20	1/4	2,241.69	1/4	1,993.15
1/2		1/2		1/2		1/2		1/2	3,479.14	1/2	3,230.60	1/2	2,982.05	1/2	2,733.54	1/2	2,485.02	1/2	2,236.51	1/2	1,987.97
3/4		3/4		3/4		3/4		3/4	3,473.97	3/4	3,225.43	3/4	2,976.88	3/4	2,728.37	3/4	2,479.85	3/4	2,231.34	3/4	1,982.80
9		9		9		9		9	3,468.79	9	3,220.25	9	2,971.70	9	2,723.19	9	2,474.67	9	2,226.16	9	1,977.62
1/4		1/4		1/4		1/4		1/4	3,463.61	1/4	3,215.07	1/4	2,966.52	1/4	2,718.01	1/4	2,469.49	1/4	2,220.98	1/4	1,972.44
1/2		1/2		1/2		1/2		1/2	3,458.43	1/2	3,209.89	1/2	2,961.34	1/2	2,712.83	1/2	2,464.31	1/2	2,215.80	1/2	1,967.26
3/4		3/4		3/4		3/4		3/4	3,453.26	3/4	3,204.71	3/4	2,956.17	3/4	2,707.66	3/4	2,459.14	3/4	2,210.63	3/4	1,962.09
10		10		10		10		10	3,448.08	10	3,199.53	10	2,950.99	10	2,702.48	10	2,453.96	10	2,205.45	10	1,956.91
1/4		1/4		1/4		1/4		1/4	3,442.90	1/4	3,194.35	1/4	2,945.81	1/4	2,697.30	1/4	2,448.78	1/4	2,200.27	1/4	1,951.73
1/2		1/2		1/2		1/2		1/2	3,437.72	1/2	3,189.17	1/2	2,940.63	1/2	2,692.12	1/2	2,443.60	1/2	2,195.09	1/2	1,946.55
3/4		3/4		3/4		3/4		3/4	3,432.55	3/4	3,184.00	3/4	2,935.46	3/4	2,686.95	3/4	2,438.43	3/4	2,189.92	3/4	1,941.37
11		11		11		11		11	3,427.37	11	3,178.82	11	2,930.28	11	2,681.77	11	2,433.25	11	2,184.74	11	1,936.19
1/4		1/4		1/4		1/4		1/4	3,422.19	1/4	3,173.64	1/4	2,925.10	1/4	2,676.59	1/4	2,428.07	1/4	2,179.56	1/4	1,931.01
1/2		1/2		1/2		1/2		1/2	3,417.01	1/2	3,168.46	1/2	2,919.92	1/2	2,671.41	1/2	2,422.89	1/2	2,174.38	1/2	1,925.83
3/4		3/4		3/4		3/4		3/4	3,411.83	3/4	3,163.29	3/4	2,914.75	3/4	2,666.24	3/4	2,417.72	3/4	2,169.21	3/4	1,920.66

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 01'-00" OFF CENTERLINE AND 28'-00" FORWARD OF AFT BULKHEAD.

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



# BARGE "KIRBY 11359"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "FMT 1048"

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	1,915.48	0	1,666.94	0	1,418.38	0	1,169.83	0	921.27	0	673.05	0	424.95	0	176.43	0		0	
1/4	1,910.30	1/4	1,661.76	1/4	1,413.20	1/4	1,164.65	1/4	916.09	1/4	667.89	1/4	419.77	1/4	171.25	1/4		1/4	
1/2	1,905.12	1/2	1,656.58	1/2	1,408.02	1/2	1,159.47	1/2	910.91	1/2	662.73	1/2	414.59	1/2	166.07	1/2		1/2	
3/4	1,899.95	3/4	1,651.40	3/4	1,402.85	3/4	1,154.30	3/4	905.74	3/4	657.58	3/4	409.42	3/4	160.90	3/4		3/4	
1	1,894.77	1	1,646.22	1	1,397.67	1	1,149.12	1	900.56	1	652.42	1	404.24	1	155.72	1		1	
1/4	1,889.59	1/4	1,641.04	1/4	1,392.49	1/4	1,143.94	1/4	895.38	1/4	647.26	1/4	399.06	1/4	150.54	1/4		1/4	
1/2	1,884.41	1/2	1,635.86	1/2	1,387.31	1/2	1,138.76	1/2	890.20	1/2	642.10	1/2	393.88	1/2	145.36	1/2		1/2	
3/4	1,879.24	3/4	1,630.69	3/4	1,382.14	3/4	1,133.58	3/4	885.03	3/4	636.95	3/4	388.71	3/4	140.19	3/4		3/4	
2	1,874.06	2	1,625.51	2	1,376.96	2	1,128.40	2	879.85	2	631.79	2	383.53	2	135.01	2		2	
1/4	1,868.88	1/4	1,620.33	1/4	1,371.78	1/4	1,123.22	1/4	874.67	1/4	626.63	1/4	378.35	1/4	129.83	1/4		1/4	
1/2	1,863.70	1/2	1,615.15	1/2	1,366.60	1/2	1,118.04	1/2	869.49	1/2	621.47	1/2	373.17	1/2	124.65	1/2		1/2	
3/4	1,858.53	3/4	1,609.98	3/4	1,361.43	3/4	1,112.87	3/4	864.31	3/4	616.31	3/4	368.00	3/4	119.48	3/4		3/4	
3	1,853.35	3	1,604.80	3	1,356.25	3	1,107.69	3	859.13	3	611.15	3	362.82	3	114.30	3		3	
1/4	1,848.17	1/4	1,599.62	1/4	1,351.07	1/4	1,102.51	1/4	853.95	1/4	605.99	1/4	357.64	1/4	109.12	1/4		1/4	
1/2	1,842.99	1/2	1,594.44	1/2	1,345.89	1/2	1,097.33	1/2	848.77	1/2	600.83	1/2	352.46	1/2	103.94	1/2		1/2	
3/4	1,837.81	3/4	1,589.27	3/4	1,340.71	3/4	1,092.16	3/4	843.60	3/4	595.68	3/4	347.29	3/4	98.77	3/4		3/4	
4	1,832.63	4	1,584.09	4	1,335.53	4	1,086.98	4	838.42	4	590.52	4	342.11	4	93.59	4		4	
1/4	1,827.45	1/4	1,578.91	1/4	1,330.35	1/4	1,081.80	1/4	833.24	1/4	585.36	1/4	336.93	1/4	88.41	1/4		1/4	
1/2	1,822.27	1/2	1,573.73	1/2	1,325.17	1/2	1,076.62	1/2	828.06	1/2	580.20	1/2	331.75	1/2	83.23	1/2		1/2	
3/4	1,817.10	3/4	1,568.55	3/4	1,320.00	3/4	1,071.44	3/4	822.89	3/4	575.05	3/4	326.58	3/4	78.06	3/4		3/4	
5	1,811.92	5	1,563.37	5	1,314.82	5	1,066.26	5	817.71	5	569.89	5	321.40	5	72.88	5		5	
1/4	1,806.74	1/4	1,558.19	1/4	1,309.64	1/4	1,061.08	1/4	812.53	1/4	564.73	1/4	316.22	1/4	67.70	1/4		1/4	
1/2	1,801.56	1/2	1,553.01	1/2	1,304.46	1/2	1,055.90	1/2	807.35	1/2	559.55	1/2	311.04	1/2	62.52	1/2		1/2	
3/4	1,796.39	3/4	1,547.84	3/4	1,299.29	3/4	1,050.73	3/4	802.17	3/4	554.38	3/4	305.87	3/4	57.35	3/4		3/4	
6	1,791.21	6	1,542.66	6	1,294.11	6	1,045.55	6	796.99	6	549.20	6	300.69	6	52.17	6		6	
1/4	1,786.03	1/4	1,537.48	1/4	1,288.93	1/4	1,040.37	1/4	791.81	1/4	544.02	1/4	295.51	1/4	46.99	1/4		1/4	
1/2	1,780.85	1/2	1,532.30	1/2	1,283.75	1/2	1,035.19	1/2	786.63	1/2	538.84	1/2	290.33	1/2	41.81	1/2		1/2	
3/4	1,775.68	3/4	1,527.13	3/4	1,278.57	3/4	1,030.02	3/4	781.46	3/4	533.67	3/4	285.16	3/4	36.64	3/4		3/4	
7	1,770.50	7	1,521.95	7	1,273.39	7	1,024.84	7	776.28	7	528.49	7	279.98	7	31.46	7		7	
1/4	1,765.32	1/4	1,516.77	1/4	1,268.21	1/4	1,019.66	1/4	771.10	1/4	523.31	1/4	274.80	1/4	26.28	1/4		1/4	
1/2	1,760.14	1/2	1,511.59	1/2	1,263.03	1/2	1,014.48	1/2	765.93	1/2	518.14	1/2	269.62	1/2	21.89	1/2		1/2	
3/4	1,754.97	3/4	1,506.42	3/4	1,257.86	3/4	1,009.30	3/4	760.77	3/4	512.96	3/4	264.45	3/4	17.50	3/4		3/4	
8	1,749.79	8	1,501.24	8	1,252.68	8	1,004.12	8	755.60	8	507.79	8	259.27	8	13.11	8		8	
1/4	1,744.61	1/4	1,496.06	1/4	1,247.50	1/4	998.94	1/4	750.43	1/4	502.61	1/4	254.09	1/4	8.72	1/4		1/4	
1/2	1,739.43	1/2	1,490.88	1/2	1,242.32	1/2	993.76	1/2	745.27	1/2	497.43	1/2	248.91	1/2	6.78	1/2		1/2	
3/4	1,734.25	3/4	1,485.70	3/4	1,237.15	3/4	988.59	3/4	740.11	3/4	492.26	3/4	243.74	3/4	4.84	3/4		3/4	
9	1,729.07	9	1,480.52	9	1,231.97	9	983.41	9	734.95	9	487.08	9	238.56	9	2.89	9		9	
1/4	1,723.89	1/4	1,475.34	1/4	1,226.79	1/4	978.23	1/4	729.79	1/4	481.90	1/4	233.38	1/4	0.95	1/4		1/4	
1/2	1,718.71	1/2	1,470.16	1/2	1,221.61	1/2	973.05	1/2	724.63	1/2	476.72	1/2	228.20	1/2		1/2		1/2	
3/4	1,713.54	3/4	1,464.99	3/4	1,216.44	3/4	967.88	3/4	719.48	3/4	471.55	3/4	223.03	3/4		3/4		3/4	
10	1,708.36	10	1,459.81	10	1,211.26	10	962.70	10	714.32	10	466.37	10	217.85	10		10		10	
1/4	1,703.18	1/4	1,454.63	1/4	1,206.08	1/4	957.52	1/4	709.16	1/4	461.19	1/4	212.67	1/4		1/4		1/4	
1/2	1,698.00	1/2	1,449.45	1/2	1,200.90	1/2	952.34	1/2	704.00	1/2	456.01	1/2	207.49	1/2		1/2		1/2	
3/4	1,692.83	3/4	1,444.28	3/4	1,195.72	3/4	947.16	3/4	698.85	3/4	450.84	3/4	202.32	3/4		3/4		3/4	
11	1,687.65	11	1,439.10	11	1,190.54	11	941.98	11	693.69	11	445.66	11	197.14	11		11		11	
1/4	1,682.47	1/4	1,433.92	1/4	1,185.36	1/4	936.80	1/4	688.53	1/4	440.48	1/4	191.96	1/4		1/4		1/4	
1/2	1,677.29	1/2	1,428.74	1/2	1,180.18	1/2	931.62	1/2	683.37	1/2	435.30	1/2	186.78	1/2		1/2		1/2	
3/4	1,672.12	3/4	1,423.56	3/4	1,175.01	3/4	926.45	3/4	678.21	3/4	430.13	3/4	181.61	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/31/2009 INT  
NAME CHANGE: 09/13/2023 JS  
VERIFIED: 09/12/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2023

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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





# BARGE "KIRBY 11359"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "FMT 1048"

GAUGE HEIGHT 17'-09"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0		0	3,381.87	0	3,134.76	0	2,887.65	0	2,640.57	0	2,393.49	0	2,146.40
1/4		1/4		1/4		1/4		1/4	3,376.72	1/4	3,129.61	1/4	2,882.50	1/4	2,635.42	1/4	2,388.34	1/4	2,141.25
1/2		1/2		1/2		1/2		1/2	3,371.58	1/2	3,124.46	1/2	2,877.35	1/2	2,630.27	1/2	2,383.19	1/2	2,136.10
3/4		3/4		3/4		3/4		3/4	3,366.43	3/4	3,119.31	3/4	2,872.21	3/4	2,625.13	3/4	2,378.04	3/4	2,130.96
1		1		1		1	3,582.65	1	3,361.28	1	3,114.16	1	2,867.06	1	2,619.98	1	2,372.89	1	2,125.81
1/4		1/4		1/4		1/4	3,581.62	1/4	3,356.13	1/4	3,109.01	1/4	2,861.91	1/4	2,614.83	1/4	2,367.74	1/4	2,120.66
1/2		1/2		1/2		1/2	3,580.59	1/2	3,350.98	1/2	3,103.86	1/2	2,856.76	1/2	2,609.68	1/2	2,362.59	1/2	2,115.51
3/4		3/4		3/4		3/4	3,579.56	3/4	3,345.83	3/4	3,098.72	3/4	2,851.62	3/4	2,604.54	3/4	2,357.45	3/4	2,110.37
2		2		2		2	3,578.53	2	3,340.68	2	3,093.57	2	2,846.47	2	2,599.39	2	2,352.30	2	2,105.22
1/4		1/4		1/4		1/4	3,575.44	1/4	3,335.53	1/4	3,088.42	1/4	2,841.32	1/4	2,594.24	1/4	2,347.15	1/4	2,100.07
1/2		1/2		1/2		1/2	3,572.35	1/2	3,330.39	1/2	3,083.27	1/2	2,836.17	1/2	2,589.09	1/2	2,342.00	1/2	2,094.92
3/4		3/4		3/4		3/4	3,569.26	3/4	3,325.24	3/4	3,078.13	3/4	2,831.03	3/4	2,583.95	3/4	2,336.86	3/4	2,089.77
3		3		3		3	3,566.17	3	3,320.09	3	3,072.98	3	2,825.88	3	2,578.80	3	2,331.71	3	2,084.62
1/4		1/4		1/4		1/4	3,561.28	1/4	3,314.94	1/4	3,067.83	1/4	2,820.73	1/4	2,573.65	1/4	2,326.56	1/4	2,079.47
1/2		1/2		1/2		1/2	3,556.39	1/2	3,309.80	1/2	3,062.68	1/2	2,815.58	1/2	2,568.50	1/2	2,321.41	1/2	2,074.32
3/4		3/4		3/4		3/4	3,551.50	3/4	3,304.65	3/4	3,057.54	3/4	2,810.44	3/4	2,563.36	3/4	2,316.27	3/4	2,069.18
4		4		4		4	3,546.61	4	3,299.50	4	3,052.39	4	2,805.29	4	2,558.21	4	2,311.12	4	2,064.03
1/4		1/4		1/4		1/4	3,541.46	1/4	3,294.35	1/4	3,047.24	1/4	2,800.14	1/4	2,553.06	1/4	2,305.97	1/4	2,058.88
1/2		1/2		1/2		1/2	3,536.32	1/2	3,289.20	1/2	3,042.09	1/2	2,794.99	1/2	2,547.91	1/2	2,300.82	1/2	2,053.73
3/4		3/4		3/4		3/4	3,531.17	3/4	3,284.05	3/4	3,036.94	3/4	2,789.85	3/4	2,542.77	3/4	2,295.68	3/4	2,048.59
5		5		5		5	3,526.02	5	3,278.90	5	3,031.79	5	2,784.70	5	2,537.62	5	2,290.53	5	2,043.44
1/4		1/4		1/4		1/4	3,520.87	1/4	3,273.75	1/4	3,026.64	1/4	2,779.55	1/4	2,532.47	1/4	2,285.38	1/4	2,038.29
1/2		1/2		1/2		1/2	3,515.72	1/2	3,268.61	1/2	3,021.49	1/2	2,774.40	1/2	2,527.32	1/2	2,280.23	1/2	2,033.14
3/4		3/4		3/4		3/4	3,510.57	3/4	3,263.46	3/4	3,016.35	3/4	2,769.26	3/4	2,522.18	3/4	2,275.09	3/4	2,028.00
6		6		6		6	3,505.42	6	3,258.31	6	3,011.20	6	2,764.11	6	2,517.03	6	2,269.94	6	2,022.85
1/4		1/4		1/4		1/4	3,500.27	1/4	3,253.16	1/4	3,006.05	1/4	2,758.96	1/4	2,511.88	1/4	2,264.79	1/4	2,017.70
1/2		1/2		1/2		1/2	3,495.13	1/2	3,248.02	1/2	3,000.90	1/2	2,753.81	1/2	2,506.73	1/2	2,259.64	1/2	2,012.55
3/4		3/4		3/4		3/4	3,489.98	3/4	3,242.87	3/4	2,995.76	3/4	2,748.67	3/4	2,501.59	3/4	2,254.50	3/4	2,007.40
7		7		7		7	3,484.83	7	3,237.72	7	2,990.61	7	2,743.52	7	2,496.44	7	2,249.35	7	2,002.25
1/4		1/4		1/4		1/4	3,479.68	1/4	3,232.57	1/4	2,985.46	1/4	2,738.37	1/4	2,491.29	1/4	2,244.20	1/4	1,997.10
1/2		1/2		1/2		1/2	3,474.54	1/2	3,227.43	1/2	2,980.31	1/2	2,733.22	1/2	2,486.14	1/2	2,239.05	1/2	1,991.95
3/4		3/4		3/4		3/4	3,469.39	3/4	3,222.28	3/4	2,975.16	3/4	2,728.08	3/4	2,481.00	3/4	2,233.91	3/4	1,986.81
8		8		8		8	3,464.24	8	3,217.13	8	2,970.01	8	2,722.93	8	2,475.85	8	2,228.76	8	1,981.66
1/4		1/4		1/4		1/4	3,459.09	1/4	3,211.98	1/4	2,964.86	1/4	2,717.78	1/4	2,470.70	1/4	2,223.61	1/4	1,976.51
1/2		1/2		1/2		1/2	3,453.95	1/2	3,206.83	1/2	2,959.71	1/2	2,712.63	1/2	2,465.55	1/2	2,218.46	1/2	1,971.36
3/4		3/4		3/4		3/4	3,448.80	3/4	3,201.68	3/4	2,954.57	3/4	2,707.49	3/4	2,460.41	3/4	2,213.32	3/4	1,966.22
9		9		9		9	3,443.65	9	3,196.53	9	2,949.42	9	2,702.34	9	2,455.26	9	2,208.17	9	1,961.07
1/4		1/4		1/4		1/4	3,438.50	1/4	3,191.38	1/4	2,944.27	1/4	2,697.19	1/4	2,450.11	1/4	2,203.02	1/4	1,955.92
1/2		1/2		1/2		1/2	3,433.35	1/2	3,186.24	1/2	2,939.12	1/2	2,692.04	1/2	2,444.96	1/2	2,197.87	1/2	1,950.77
3/4		3/4		3/4		3/4	3,428.20	3/4	3,181.09	3/4	2,933.98	3/4	2,686.90	3/4	2,439.82	3/4	2,192.73	3/4	1,945.62
10		10		10		10	3,423.05	10	3,175.94	10	2,928.83	10	2,681.75	10	2,434.67	10	2,187.58	10	1,940.47
1/4		1/4		1/4		1/4	3,417.90	1/4	3,170.79	1/4	2,923.68	1/4	2,676.60	1/4	2,429.52	1/4	2,182.43	1/4	1,935.32
1/2		1/2		1/2		1/2	3,412.76	1/2	3,165.65	1/2	2,918.53	1/2	2,671.45	1/2	2,424.37	1/2	2,177.28	1/2	1,930.17
3/4		3/4		3/4		3/4	3,407.61	3/4	3,160.50	3/4	2,913.39	3/4	2,666.31	3/4	2,419.23	3/4	2,172.14	3/4	1,925.03
11		11		11		11	3,402.46	11	3,155.35	11	2,908.24	11	2,661.16	11	2,414.08	11	2,166.99	11	1,919.88
1/4		1/4		1/4		1/4	3,397.31	1/4	3,150.20	1/4	2,903.09	1/4	2,656.01	1/4	2,408.93	1/4	2,161.84	1/4	1,914.73
1/2		1/2		1/2		1/2	3,392.17	1/2	3,145.06	1/2	2,897.94	1/2	2,650.86	1/2	2,403.78	1/2	2,156.69	1/2	1,909.58
3/4		3/4		3/4		3/4	3,387.02	3/4	3,139.91	3/4	2,892.80	3/4	2,645.72	3/4	2,398.64	3/4	2,151.55	3/4	1,904.44

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 01'-00" 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 11359"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "FMT 1048"

GAUGE HEIGHT 17'-09"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,899.29	0	1,652.18	0	1,405.06	0	1,157.93	0	910.81	0	664.04	0	417.36	0	170.27	0		0	
1/4	1,894.14	1/4	1,647.03	1/4	1,399.91	1/4	1,152.78	1/4	905.66	1/4	658.91	1/4	412.21	1/4	165.12	1/4		1/4	
1/2	1,888.99	1/2	1,641.88	1/2	1,394.76	1/2	1,147.63	1/2	900.51	1/2	653.78	1/2	407.06	1/2	159.97	1/2		1/2	
3/4	1,883.85	3/4	1,636.73	3/4	1,389.61	3/4	1,142.49	3/4	895.37	3/4	648.66	3/4	401.92	3/4	154.83	3/4		3/4	
1	1,878.70	1	1,631.58	1	1,384.46	1	1,137.34	1	890.22	1	643.53	1	396.77	1	149.68	1		1	
1/4	1,873.55	1/4	1,626.43	1/4	1,379.31	1/4	1,132.19	1/4	885.07	1/4	638.40	1/4	391.62	1/4	144.53	1/4		1/4	
1/2	1,868.40	1/2	1,621.28	1/2	1,374.16	1/2	1,127.04	1/2	879.92	1/2	633.27	1/2	386.47	1/2	139.38	1/2		1/2	
3/4	1,863.25	3/4	1,616.14	3/4	1,369.02	3/4	1,121.90	3/4	874.77	3/4	628.15	3/4	381.33	3/4	134.24	3/4		3/4	
2	1,858.10	2	1,610.99	2	1,363.87	2	1,116.75	2	869.62	2	623.02	2	376.18	2	129.09	2		2	
1/4	1,852.95	1/4	1,605.84	1/4	1,358.72	1/4	1,111.60	1/4	864.47	1/4	617.89	1/4	371.03	1/4	123.94	1/4		1/4	
1/2	1,847.80	1/2	1,600.69	1/2	1,353.57	1/2	1,106.45	1/2	859.32	1/2	612.76	1/2	365.88	1/2	118.79	1/2		1/2	
3/4	1,842.66	3/4	1,595.55	3/4	1,348.43	3/4	1,101.30	3/4	854.18	3/4	607.63	3/4	360.74	3/4	113.65	3/4		3/4	
3	1,837.51	3	1,590.40	3	1,343.28	3	1,096.15	3	849.03	3	602.50	3	355.59	3	108.50	3		3	
1/4	1,832.36	1/4	1,585.25	1/4	1,338.13	1/4	1,091.00	1/4	843.88	1/4	597.37	1/4	350.44	1/4	103.35	1/4		1/4	
1/2	1,827.21	1/2	1,580.10	1/2	1,332.98	1/2	1,085.85	1/2	838.73	1/2	592.24	1/2	345.29	1/2	98.20	1/2		1/2	
3/4	1,822.07	3/4	1,574.95	3/4	1,327.83	3/4	1,080.71	3/4	833.58	3/4	587.12	3/4	340.14	3/4	93.06	3/4		3/4	
4	1,816.92	4	1,569.80	4	1,322.68	4	1,075.56	4	828.43	4	581.99	4	334.99	4	87.91	4		4	
1/4	1,811.77	1/4	1,564.65	1/4	1,317.53	1/4	1,070.41	1/4	823.28	1/4	576.86	1/4	329.84	1/4	82.76	1/4		1/4	
1/2	1,806.62	1/2	1,559.50	1/2	1,312.38	1/2	1,065.26	1/2	818.13	1/2	571.73	1/2	324.69	1/2	77.61	1/2		1/2	
3/4	1,801.48	3/4	1,554.36	3/4	1,307.24	3/4	1,060.12	3/4	812.99	3/4	566.60	3/4	319.55	3/4	72.47	3/4		3/4	
5	1,796.33	5	1,549.21	5	1,302.09	5	1,054.97	5	807.84	5	561.47	5	314.40	5	67.32	5		5	
1/4	1,791.18	1/4	1,544.06	1/4	1,296.94	1/4	1,049.82	1/4	802.69	1/4	556.32	1/4	309.25	1/4	62.17	1/4		1/4	
1/2	1,786.03	1/2	1,538.91	1/2	1,291.79	1/2	1,044.67	1/2	797.54	1/2	551.18	1/2	304.10	1/2	57.02	1/2		1/2	
3/4	1,780.88	3/4	1,533.77	3/4	1,286.65	3/4	1,039.52	3/4	792.40	3/4	546.03	3/4	298.96	3/4	51.88	3/4		3/4	
6	1,775.73	6	1,528.62	6	1,281.50	6	1,034.37	6	787.25	6	540.89	6	293.81	6	46.73	6		6	
1/4	1,770.58	1/4	1,523.47	1/4	1,276.35	1/4	1,029.22	1/4	782.10	1/4	535.74	1/4	288.66	1/4	41.58	1/4		1/4	
1/2	1,765.43	1/2	1,518.32	1/2	1,271.20	1/2	1,024.07	1/2	776.95	1/2	530.59	1/2	283.51	1/2	36.43	1/2		1/2	
3/4	1,760.29	3/4	1,513.17	3/4	1,266.05	3/4	1,018.93	3/4	771.80	3/4	525.45	3/4	278.37	3/4	31.29	3/4		3/4	
7	1,755.14	7	1,508.02	7	1,260.90	7	1,013.78	7	766.65	7	520.30	7	273.22	7	26.14	7		7	
1/4	1,749.99	1/4	1,502.87	1/4	1,255.75	1/4	1,008.63	1/4	761.51	1/4	515.15	1/4	268.07	1/4	21.77	1/4		1/4	
1/2	1,744.84	1/2	1,497.72	1/2	1,250.60	1/2	1,003.48	1/2	756.37	1/2	510.00	1/2	262.92	1/2	17.40	1/2		1/2	
3/4	1,739.70	3/4	1,492.58	3/4	1,245.46	3/4	998.33	3/4	751.24	3/4	504.86	3/4	257.78	3/4	13.04	3/4		3/4	
8	1,734.55	8	1,487.43	8	1,240.31	8	993.18	8	746.10	8	499.71	8	252.63	8	8.67	8		8	
1/4	1,729.40	1/4	1,482.28	1/4	1,235.16	1/4	988.03	1/4	740.97	1/4	494.56	1/4	247.48	1/4	6.74	1/4		1/4	
1/2	1,724.25	1/2	1,477.13	1/2	1,230.01	1/2	982.88	1/2	735.84	1/2	489.42	1/2	242.33	1/2	4.81	1/2		1/2	
3/4	1,719.11	3/4	1,471.99	3/4	1,224.87	3/4	977.74	3/4	730.72	3/4	484.27	3/4	237.19	3/4	2.88	3/4		3/4	
9	1,713.96	9	1,466.84	9	1,219.72	9	972.59	9	725.59	9	479.13	9	232.04	9	0.95	9		9	
1/4	1,708.81	1/4	1,461.69	1/4	1,214.57	1/4	967.44	1/4	720.46	1/4	473.98	1/4	226.89	1/4		1/4		1/4	
1/2	1,703.66	1/2	1,456.54	1/2	1,209.42	1/2	962.29	1/2	715.33	1/2	468.83	1/2	221.74	1/2		1/2		1/2	
3/4	1,698.51	3/4	1,451.39	3/4	1,204.27	3/4	957.15	3/4	710.20	3/4	463.69	3/4	216.60	3/4		3/4		3/4	
10	1,693.36	10	1,446.24	10	1,199.12	10	952.00	10	705.07	10	458.54	10	211.45	10		10		10	
1/4	1,688.21	1/4	1,441.09	1/4	1,193.97	1/4	946.85	1/4	699.94	1/4	453.39	1/4	206.30	1/4		1/4		1/4	
1/2	1,683.06	1/2	1,435.94	1/2	1,188.82	1/2	941.70	1/2	694.81	1/2	448.24	1/2	201.15	1/2		1/2		1/2	
3/4	1,677.92	3/4	1,430.80	3/4	1,183.68	3/4	936.55	3/4	689.69	3/4	443.10	3/4	196.01	3/4		3/4		3/4	
11	1,672.77	11	1,425.65	11	1,178.53	11	931.40	11	684.56	11	437.95	11	190.86	11		11		11	
1/4	1,667.62	1/4	1,420.50	1/4	1,173.38	1/4	926.25	1/4	679.43	1/4	432.80	1/4	185.71	1/4		1/4		1/4	
1/2	1,662.47	1/2	1,415.35	1/2	1,168.23	1/2	921.10	1/2	674.30	1/2	427.65	1/2	180.56	1/2		1/2		1/2	
3/4	1,657.33	3/4	1,410.21	3/4	1,163.08	3/4	915.96	3/4	669.17	3/4	422.51	3/4	175.42	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/18/2008 INT  
NAME CHANGE: 09/13/2023 JS  
VERIFIED: 09/12/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2023

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

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