



BARGE "KIRBY 29079"

ULLAGE TRIM TABLE

FORMERLY "HBC 312"

	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 PORT	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
1 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
2 PORT	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
2 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
3 PORT	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-1/4	- 02-1/4	02-3/4	- 02-3/4	03-3/8	- 03-3/8
3 STBD	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-1/4	- 02-1/4	02-3/4	- 02-3/4	03-3/8	- 03-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 253'-09"

November 3, 2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29079"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY " HBC 312"

GAUGE HEIGHT 17'-03 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	5,141.05	0	4,807.81	0	4,455.02	0	4,092.64	0	3,730.24	0	3,367.84	0	3,005.44
1/4		1/4		1/4		1/4	5,134.34	1/4	4,800.66	1/4	4,447.48	1/4	4,085.09	1/4	3,722.69	1/4	3,360.29	1/4	2,997.89
1/2		1/2		1/2		1/2	5,127.63	1/2	4,793.52	1/2	4,439.94	1/2	4,077.54	1/2	3,715.14	1/2	3,352.74	1/2	2,990.34
3/4		3/4		3/4		3/4	5,120.88	3/4	4,786.34	3/4	4,432.39	3/4	4,069.99	3/4	3,707.59	3/4	3,345.19	3/4	2,982.79
1		1		1		1	5,114.13	1	4,779.16	1	4,424.84	1	4,062.44	1	3,700.04	1	3,337.64	1	2,975.24
1/4		1/4		1/4		1/4	5,107.38	1/4	4,771.98	1/4	4,417.29	1/4	4,054.89	1/4	3,692.49	1/4	3,330.09	1/4	2,967.69
1/2		1/2		1/2		1/2	5,100.63	1/2	4,764.81	1/2	4,409.74	1/2	4,047.34	1/2	3,684.94	1/2	3,322.54	1/2	2,960.14
3/4		3/4		3/4		3/4	5,093.85	3/4	4,757.60	3/4	4,402.19	3/4	4,039.79	3/4	3,677.39	3/4	3,314.99	3/4	2,952.59
2		2		2		2	5,087.07	2	4,750.39	2	4,394.64	2	4,032.24	2	3,669.84	2	3,307.44	2	2,945.04
1/4		1/4		1/4		1/4	5,080.29	1/4	4,743.18	1/4	4,387.09	1/4	4,024.69	1/4	3,662.29	1/4	3,299.89	1/4	2,937.49
1/2		1/2		1/2		1/2	5,073.51	1/2	4,735.98	1/2	4,379.54	1/2	4,017.14	1/2	3,654.74	1/2	3,292.34	1/2	2,929.94
3/4		3/4		3/4		3/4	5,066.70	3/4	4,728.71	3/4	4,371.99	3/4	4,009.59	3/4	3,647.19	3/4	3,284.79	3/4	2,922.39
3		3		3		3	5,059.89	3	4,721.44	3	4,364.44	3	4,002.04	3	3,639.64	3	3,277.24	3	2,914.84
1/4		1/4		1/4		1/4	5,053.08	1/4	4,714.18	1/4	4,356.89	1/4	3,994.49	1/4	3,632.09	1/4	3,269.69	1/4	2,907.29
1/2		1/2		1/2		1/2	5,046.27	1/2	4,706.91	1/2	4,349.34	1/2	3,986.94	1/2	3,624.54	1/2	3,262.14	1/2	2,899.74
3/4		3/4		3/4		3/4	5,039.43	3/4	4,699.62	3/4	4,341.79	3/4	3,979.39	3/4	3,616.99	3/4	3,254.59	3/4	2,892.19
4		4		4		4	5,032.59	4	4,692.32	4	4,334.24	4	3,971.84	4	3,609.44	4	3,247.04	4	2,884.64
1/4		1/4		1/4		1/4	5,025.75	1/4	4,685.02	1/4	4,326.69	1/4	3,964.29	1/4	3,601.89	1/4	3,239.49	1/4	2,877.09
1/2		1/2		1/2		1/2	5,018.92	1/2	4,677.73	1/2	4,319.14	1/2	3,956.74	1/2	3,594.34	1/2	3,231.94	1/2	2,869.54
3/4		3/4		3/4		3/4	5,011.97	3/4	4,670.40	3/4	4,311.59	3/4	3,949.19	3/4	3,586.79	3/4	3,224.39	3/4	2,861.99
5		5		5		5	5,005.03	5	4,663.07	5	4,304.04	5	3,941.64	5	3,579.24	5	3,216.84	5	2,854.44
1/4		1/4		1/4		1/4	4,998.09	1/4	4,655.75	1/4	4,296.49	1/4	3,934.09	1/4	3,571.69	1/4	3,209.29	1/4	2,846.89
1/2		1/2		1/2		1/2	4,991.15	1/2	4,648.42	1/2	4,288.94	1/2	3,926.54	1/2	3,564.14	1/2	3,201.74	1/2	2,839.34
3/4		3/4		3/4		3/4	4,984.18	3/4	4,641.07	3/4	4,281.39	3/4	3,918.99	3/4	3,556.59	3/4	3,194.19	3/4	2,831.79
6		6		6		6	4,977.21	6	4,633.71	6	4,273.84	6	3,911.44	6	3,549.04	6	3,186.64	6	2,824.24
1/4		1/4		1/4		1/4	4,970.24	1/4	4,626.35	1/4	4,266.29	1/4	3,903.89	1/4	3,541.49	1/4	3,179.09	1/4	2,816.69
1/2		1/2		1/2		1/2	4,963.27	1/2	4,619.00	1/2	4,258.74	1/2	3,896.34	1/2	3,533.94	1/2	3,171.54	1/2	2,809.14
3/4		3/4		3/4		3/4	4,956.27	3/4	4,611.61	3/4	4,251.19	3/4	3,888.79	3/4	3,526.39	3/4	3,163.99	3/4	2,801.59
7		7		7		7	4,949.27	7	4,604.23	7	4,243.64	7	3,881.24	7	3,518.84	7	3,156.44	7	2,794.04
1/4		1/4		1/4		1/4	4,942.27	1/4	4,596.84	1/4	4,236.09	1/4	3,873.69	1/4	3,511.29	1/4	3,148.89	1/4	2,786.49
1/2		1/2		1/2	5,244.78	1/2	4,935.27	1/2	4,589.46	1/2	4,228.54	1/2	3,866.14	1/2	3,503.74	1/2	3,141.34	1/2	2,778.94
3/4		3/4		3/4	5,240.45	3/4	4,928.25	3/4	4,582.04	3/4	4,220.99	3/4	3,858.59	3/4	3,496.19	3/4	3,133.79	3/4	2,771.39
8		8		8	5,236.11	8	4,921.22	8	4,574.62	8	4,213.44	8	3,851.04	8	3,488.64	8	3,126.24	8	2,763.84
1/4		1/4		1/4	5,231.78	1/4	4,914.19	1/4	4,567.21	1/4	4,205.89	1/4	3,843.49	1/4	3,481.09	1/4	3,118.69	1/4	2,756.29
1/2		1/2		1/2	5,227.45	1/2	4,907.16	1/2	4,559.79	1/2	4,198.34	1/2	3,835.94	1/2	3,473.54	1/2	3,111.14	1/2	2,748.74
3/4		3/4		3/4	5,221.89	3/4	4,900.10	3/4	4,552.35	3/4	4,190.79	3/4	3,828.39	3/4	3,465.99	3/4	3,103.59	3/4	2,741.19
9		9		9	5,216.32	9	4,893.05	9	4,544.90	9	4,183.24	9	3,820.84	9	3,458.44	9	3,096.04	9	2,733.64
1/4		1/4		1/4	5,210.76	1/4	4,885.99	1/4	4,537.46	1/4	4,175.69	1/4	3,813.29	1/4	3,450.89	1/4	3,088.49	1/4	2,726.09
1/2		1/2		1/2	5,205.20	1/2	4,878.93	1/2	4,530.01	1/2	4,168.14	1/2	3,805.74	1/2	3,443.34	1/2	3,080.94	1/2	2,718.54
3/4		3/4		3/4	5,199.17	3/4	4,871.84	3/4	4,522.54	3/4	4,160.59	3/4	3,798.19	3/4	3,435.79	3/4	3,073.39	3/4	2,710.99
10		10		10	5,193.14	10	4,864.75	10	4,515.06	10	4,153.04	10	3,790.64	10	3,428.24	10	3,065.84	10	2,703.44
1/4		1/4		1/4	5,187.11	1/4	4,857.67	1/4	4,507.58	1/4	4,145.49	1/4	3,783.09	1/4	3,420.69	1/4	3,058.29	1/4	2,695.89
1/2		1/2		1/2	5,181.08	1/2	4,850.58	1/2	4,500.11	1/2	4,137.94	1/2	3,775.54	1/2	3,413.14	1/2	3,050.74	1/2	2,688.34
3/4		3/4		3/4	5,174.43	3/4	4,843.46	3/4	4,492.60	3/4	4,130.39	3/4	3,767.99	3/4	3,405.59	3/4	3,043.19	3/4	2,680.79
11		11		11	5,167.77	11	4,836.34	11	4,485.10	11	4,122.84	11	3,760.44	11	3,398.04	11	3,035.64	11	2,673.24
1/4		1/4		1/4	5,161.12	1/4	4,829.22	1/4	4,477.59	1/4	4,115.29	1/4	3,752.89	1/4	3,390.49	1/4	3,028.09	1/4	2,665.69
1/2		1/2		1/2	5,154.46	1/2	4,822.11	1/2	4,470.09	1/2	4,107.74	1/2	3,745.34	1/2	3,382.94	1/2	3,020.54	1/2	2,658.14
3/4		3/4		3/4	5,147.75	3/4	4,814.96	3/4	4,462.55	3/4	4,100.19	3/4	3,737.79	3/4	3,375.39	3/4	3,012.99	3/4	2,650.59

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" GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 29079"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 312"

GAUGE HEIGHT 17'-03 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	2,643.04	0	2,280.51	0	1,917.98	0	1,555.45	0	1,192.99	0	830.87	0	468.35	0	105.95	0		0	
1/4	2,635.49	1/4	2,272.96	1/4	1,910.43	1/4	1,547.89	1/4	1,185.44	1/4	823.32	1/4	460.80	1/4	98.43	1/4		1/4	
1/2	2,627.94	1/2	2,265.41	1/2	1,902.87	1/2	1,540.34	1/2	1,177.90	1/2	815.77	1/2	453.25	1/2	90.92	1/2		1/2	
3/4	2,620.39	3/4	2,257.86	3/4	1,895.32	3/4	1,532.79	3/4	1,170.36	3/4	808.22	3/4	445.70	3/4	84.00	3/4		3/4	
1	2,612.84	1	2,250.30	1	1,887.77	1	1,525.23	1	1,162.82	1	800.66	1	438.14	1	77.08	1		1	
1/4	2,605.29	1/4	2,242.75	1/4	1,880.22	1/4	1,517.68	1/4	1,155.28	1/4	793.11	1/4	430.59	1/4	70.15	1/4		1/4	
1/2	2,597.73	1/2	2,235.20	1/2	1,872.66	1/2	1,510.13	1/2	1,147.74	1/2	785.56	1/2	423.04	1/2	63.23	1/2		1/2	
3/4	2,590.18	3/4	2,227.65	3/4	1,865.11	3/4	1,502.58	3/4	1,140.20	3/4	778.01	3/4	415.49	3/4	57.57	3/4		3/4	
2	2,582.63	2	2,220.09	2	1,857.56	2	1,495.02	2	1,132.66	2	770.45	2	407.93	2	51.91	2		2	
1/4	2,575.07	1/4	2,212.54	1/4	1,850.01	1/4	1,487.47	1/4	1,125.12	1/4	762.90	1/4	400.38	1/4	46.24	1/4		1/4	
1/2	2,567.52	1/2	2,204.99	1/2	1,842.45	1/2	1,479.92	1/2	1,117.58	1/2	755.35	1/2	392.83	1/2	40.58	1/2		1/2	
3/4	2,559.97	3/4	2,197.43	3/4	1,834.90	3/4	1,472.37	3/4	1,110.04	3/4	747.80	3/4	385.28	3/4	36.17	3/4		3/4	
3	2,552.42	3	2,189.88	3	1,827.35	3	1,464.81	3	1,102.50	3	740.24	3	377.72	3	31.77	3		3	
1/4	2,544.86	1/4	2,182.33	1/4	1,819.79	1/4	1,457.26	1/4	1,094.96	1/4	732.69	1/4	370.17	1/4	27.37	1/4		1/4	
1/2	2,537.31	1/2	2,174.78	1/2	1,812.24	1/2	1,449.71	1/2	1,087.42	1/2	725.14	1/2	362.62	1/2	22.96	1/2		1/2	
3/4	2,529.76	3/4	2,167.22	3/4	1,804.69	3/4	1,442.15	3/4	1,079.88	3/4	717.59	3/4	355.07	3/4		3/4		3/4	
4	2,522.20	4	2,159.67	4	1,797.14	4	1,434.60	4	1,072.34	4	710.03	4	347.51	4		4		4	
1/4	2,514.65	1/4	2,152.12	1/4	1,789.58	1/4	1,427.05	1/4	1,064.80	1/4	702.48	1/4	339.96	1/4		1/4		1/4	
1/2	2,507.10	1/2	2,144.56	1/2	1,782.03	1/2	1,419.50	1/2	1,057.26	1/2	694.93	1/2	332.41	1/2		1/2		1/2	
3/4	2,499.55	3/4	2,137.01	3/4	1,774.48	3/4	1,411.94	3/4	1,049.72	3/4	687.38	3/4	324.86	3/4		3/4		3/4	
5	2,491.99	5	2,129.46	5	1,766.92	5	1,404.39	5	1,042.18	5	679.82	5	317.30	5		5		5	
1/4	2,484.44	1/4	2,121.91	1/4	1,759.37	1/4	1,396.84	1/4	1,034.63	1/4	672.27	1/4	309.75	1/4		1/4		1/4	
1/2	2,476.89	1/2	2,114.35	1/2	1,751.82	1/2	1,389.28	1/2	1,027.09	1/2	664.72	1/2	302.20	1/2		1/2		1/2	
3/4	2,469.33	3/4	2,106.80	3/4	1,744.27	3/4	1,381.73	3/4	1,019.55	3/4	657.17	3/4	294.65	3/4		3/4		3/4	
6	2,461.78	6	2,099.25	6	1,736.71	6	1,374.18	6	1,012.01	6	649.61	6	287.09	6		6		6	
1/4	2,454.23	1/4	2,091.69	1/4	1,729.16	1/4	1,366.63	1/4	1,004.47	1/4	642.06	1/4	279.54	1/4		1/4		1/4	
1/2	2,446.68	1/2	2,084.14	1/2	1,721.61	1/2	1,359.07	1/2	996.93	1/2	634.51	1/2	271.99	1/2		1/2		1/2	
3/4	2,439.12	3/4	2,076.59	3/4	1,714.05	3/4	1,351.52	3/4	989.39	3/4	626.96	3/4	264.44	3/4		3/4		3/4	
7	2,431.57	7	2,069.04	7	1,706.50	7	1,343.97	7	981.85	7	619.40	7	256.88	7		7		7	
1/4	2,424.02	1/4	2,061.48	1/4	1,698.95	1/4	1,336.41	1/4	974.31	1/4	611.85	1/4	249.33	1/4		1/4		1/4	
1/2	2,416.47	1/2	2,053.93	1/2	1,691.40	1/2	1,328.86	1/2	966.77	1/2	604.30	1/2	241.78	1/2		1/2		1/2	
3/4	2,408.91	3/4	2,046.38	3/4	1,683.84	3/4	1,321.31	3/4	959.23	3/4	596.75	3/4	234.23	3/4		3/4		3/4	
8	2,401.36	8	2,038.83	8	1,676.29	8	1,313.76	8	951.69	8	589.19	8	226.67	8		8		8	
1/4	2,393.81	1/4	2,031.27	1/4	1,668.74	1/4	1,306.20	1/4	944.15	1/4	581.64	1/4	219.12	1/4		1/4		1/4	
1/2	2,386.25	1/2	2,023.72	1/2	1,661.19	1/2	1,298.65	1/2	936.61	1/2	574.09	1/2	211.57	1/2		1/2		1/2	
3/4	2,378.70	3/4	2,016.17	3/4	1,653.63	3/4	1,291.10	3/4	929.06	3/4	566.54	3/4	204.02	3/4		3/4		3/4	
9	2,371.15	9	2,008.61	9	1,646.08	9	1,283.55	9	921.50	9	558.98	9	196.46	9		9		9	
1/4	2,363.60	1/4	2,001.06	1/4	1,638.53	1/4	1,275.99	1/4	913.95	1/4	551.43	1/4	188.91	1/4		1/4		1/4	
1/2	2,356.04	1/2	1,993.51	1/2	1,630.97	1/2	1,268.44	1/2	906.40	1/2	543.88	1/2	181.36	1/2		1/2		1/2	
3/4	2,348.49	3/4	1,985.96	3/4	1,623.42	3/4	1,260.89	3/4	898.85	3/4	536.33	3/4	173.81	3/4		3/4		3/4	
10	2,340.94	10	1,978.40	10	1,615.87	10	1,253.33	10	891.29	10	528.77	10	166.26	10		10		10	
1/4	2,333.38	1/4	1,970.85	1/4	1,608.32	1/4	1,245.78	1/4	883.74	1/4	521.22	1/4	158.70	1/4		1/4		1/4	
1/2	2,325.83	1/2	1,963.30	1/2	1,600.76	1/2	1,238.23	1/2	876.19	1/2	513.67	1/2	151.15	1/2		1/2		1/2	
3/4	2,318.28	3/4	1,955.74	3/4	1,593.21	3/4	1,230.69	3/4	868.64	3/4	506.12	3/4	143.61	3/4		3/4		3/4	
11	2,310.73	11	1,948.19	11	1,585.66	11	1,223.15	11	861.08	11	498.56	11	136.07	11		11		11	
1/4	2,303.17	1/4	1,940.64	1/4	1,578.10	1/4	1,215.61	1/4	853.53	1/4	491.01	1/4	128.53	1/4		1/4		1/4	
1/2	2,295.62	1/2	1,933.09	1/2	1,570.55	1/2	1,208.07	1/2	845.98	1/2	483.46	1/2	120.98	1/2		1/2		1/2	
3/4	2,288.07	3/4	1,925.53	3/4	1,563.00	3/4	1,200.53	3/4	838.43	3/4	475.91	3/4	113.47	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/09/2013 CL
RECALCULATED: 11/03/2023 JS
VERIFIED: 11/02/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2023

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



BARGE "KIRBY 29079"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY " HBC 312"

GAUGE HEIGHT 17'-03 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	5,132.43	0	4,798.76	0	4,445.57	0	4,083.19	0	3,720.79	0	3,358.39	0	2,995.99		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,125.72	1/4	4,791.61	1/4	4,438.04	1/4	4,075.64	1/4	3,713.24	1/4	3,350.84	1/4	2,988.44		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,118.97	1/2	4,784.43	1/2	4,430.49	1/2	4,068.09	1/2	3,705.69	1/2	3,343.29	1/2	2,980.89		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,112.22	3/4	4,777.26	3/4	4,422.94	3/4	4,060.54	3/4	3,698.14	3/4	3,335.74	3/4	2,973.34		
1		1		1		1	5,105.47	1	4,770.08	1	4,415.39	1	4,052.99	1	3,690.59	1	3,328.19	1	2,965.79		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,098.72	1/4	4,762.90	1/4	4,407.84	1/4	4,045.44	1/4	3,683.04	1/4	3,320.64	1/4	2,958.24		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,091.94	1/2	4,755.69	1/2	4,400.29	1/2	4,037.89	1/2	3,675.49	1/2	3,313.09	1/2	2,950.69		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,085.16	3/4	4,748.49	3/4	4,392.74	3/4	4,030.34	3/4	3,667.94	3/4	3,305.54	3/4	2,943.14		
2		2		2		2	5,078.38	2	4,741.28	2	4,385.19	2	4,022.79	2	3,660.39	2	3,297.99	2	2,935.59		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,071.60	1/4	4,734.07	1/4	4,377.64	1/4	4,015.24	1/4	3,652.84	1/4	3,290.44	1/4	2,928.04		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,064.79	1/2	4,726.80	1/2	4,370.09	1/2	4,007.69	1/2	3,645.29	1/2	3,282.89	1/2	2,920.49		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,057.98	3/4	4,719.54	3/4	4,362.54	3/4	4,000.14	3/4	3,637.74	3/4	3,275.34	3/4	2,912.94		
3		3		3		3	5,051.18	3	4,712.27	3	4,354.99	3	3,992.59	3	3,630.19	3	3,267.79	3	2,905.39		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,044.37	1/4	4,705.01	1/4	4,347.44	1/4	3,985.04	1/4	3,622.64	1/4	3,260.24	1/4	2,897.84		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,037.53	1/2	4,697.71	1/2	4,339.89	1/2	3,977.49	1/2	3,615.09	1/2	3,252.69	1/2	2,890.29		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,030.69	3/4	4,690.41	3/4	4,332.34	3/4	3,969.94	3/4	3,607.54	3/4	3,245.14	3/4	2,882.74		
4		4		4		4	5,023.85	4	4,683.12	4	4,324.79	4	3,962.39	4	3,599.99	4	3,237.59	4	2,875.19		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,017.01	1/4	4,675.82	1/4	4,317.24	1/4	3,954.84	1/4	3,592.44	1/4	3,230.04	1/4	2,867.64		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,010.07	1/2	4,668.49	1/2	4,309.69	1/2	3,947.29	1/2	3,584.89	1/2	3,222.49	1/2	2,860.09		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,003.13	3/4	4,661.17	3/4	4,302.14	3/4	3,939.74	3/4	3,577.34	3/4	3,214.94	3/4	2,852.54		
5		5		5		5	4,996.19	5	4,653.84	5	4,294.59	5	3,932.19	5	3,569.79	5	3,207.39	5	2,844.99		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,989.24	1/4	4,646.52	1/4	4,287.04	1/4	3,924.64	1/4	3,562.24	1/4	3,199.84	1/4	2,837.44		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,982.27	1/2	4,639.16	1/2	4,279.49	1/2	3,917.09	1/2	3,554.69	1/2	3,192.29	1/2	2,829.89		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,975.30	3/4	4,631.80	3/4	4,271.94	3/4	3,909.54	3/4	3,547.14	3/4	3,184.74	3/4	2,822.34		
6		6		6		6	4,968.33	6	4,624.45	6	4,264.39	6	3,901.99	6	3,539.59	6	3,177.19	6	2,814.79		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,961.36	1/4	4,617.09	1/4	4,256.84	1/4	3,894.44	1/4	3,532.04	1/4	3,169.64	1/4	2,807.24		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,954.36	1/2	4,609.71	1/2	4,249.29	1/2	3,886.89	1/2	3,524.49	1/2	3,162.09	1/2	2,799.69		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,947.36	3/4	4,602.32	3/4	4,241.74	3/4	3,879.34	3/4	3,516.94	3/4	3,154.54	3/4	2,792.14		
7		7		7		7	4,940.37	7	4,594.94	7	4,234.19	7	3,871.79	7	3,509.39	7	3,146.99	7	2,784.59		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,242.87	1/4	4,933.37	1/4	4,587.55	1/4	4,226.64	1/4	3,864.24	1/4	3,501.84	1/4	3,139.44	1/4	2,777.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,238.54	1/2	4,926.34	1/2	4,580.13	1/2	4,219.09	1/2	3,856.69	1/2	3,494.29	1/2	3,131.89	1/2	2,769.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,234.20	3/4	4,919.31	3/4	4,572.72	3/4	4,211.54	3/4	3,849.14	3/4	3,486.74	3/4	3,124.34	3/4	2,761.94
8		8		8		8	5,229.87	8	4,912.28	8	4,565.30	8	4,203.99	8	3,841.59	8	3,479.19	8	3,116.79	8	2,754.39
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,225.54	1/4	4,905.25	1/4	4,557.89	1/4	4,196.44	1/4	3,834.04	1/4	3,471.64	1/4	3,109.24	1/4	2,746.84
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,219.98	1/2	4,898.20	1/2	4,550.44	1/2	4,188.89	1/2	3,826.49	1/2	3,464.09	1/2	3,101.69	1/2	2,739.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,214.41	3/4	4,891.14	3/4	4,543.00	3/4	4,181.34	3/4	3,818.94	3/4	3,456.54	3/4	3,094.14	3/4	2,731.74
9		9		9		9	5,208.85	9	4,884.08	9	4,535.55	9	4,173.79	9	3,811.39	9	3,448.99	9	3,086.59	9	2,724.19
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,203.29	1/4	4,877.02	1/4	4,528.11	1/4	4,166.24	1/4	3,803.84	1/4	3,441.44	1/4	3,079.04	1/4	2,716.64
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,197.26	1/2	4,869.93	1/2	4,520.63	1/2	4,158.69	1/2	3,796.29	1/2	3,433.89	1/2	3,071.49	1/2	2,709.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,191.23	3/4	4,862.85	3/4	4,513.15	3/4	4,151.14	3/4	3,788.74	3/4	3,426.34	3/4	3,063.94	3/4	2,701.54
10		10		10		10	5,185.20	10	4,855.76	10	4,505.68	10	4,143.59	10	3,781.19	10	3,418.79	10	3,056.39	10	2,693.99
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,179.17	1/4	4,848.67	1/4	4,498.20	1/4	4,136.04	1/4	3,773.64	1/4	3,411.24	1/4	3,048.84	1/4	2,686.44
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,172.52	1/2	4,841.55	1/2	4,490.70	1/2	4,128.49	1/2	3,766.09	1/2	3,403.69	1/2	3,041.29	1/2	2,678.89
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,165.86	3/4	4,834.44	3/4	4,483.19	3/4	4,120.94	3/4	3,758.54	3/4	3,396.14	3/4	3,033.74	3/4	2,671.34
11		11		11		11	5,159.21	11	4,827.32	11	4,475.69	11	4,113.39	11	3,750.99	11	3,388.59	11	3,026.19	11	2,663.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,152.56	1/4	4,820.20	1/4	4,468.18	1/4	4,105.84	1/4	3,743.44	1/4	3,381.04	1/4	3,018.64	1/4	2,656.24
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,145.85	1/2	4,813.05	1/2	4,460.65	1/2	4,098.29	1/2	3,735.89	1/2	3,373.49	1/2	3,011.09	1/2	2,648.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,139.14	3/4	4,805.91	3/4	4,453.11	3/4	4,090.74	3/4	3,728.34	3/4	3,365.94	3/4	3,003.54	3/4	2,641.14

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" GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29079"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 312"

GAUGE HEIGHT 17'-03 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	2,633.59	0	2,271.06	0	1,908.52	0	1,545.99	0	1,183.98	0	823.31	0	460.79	0	98.43	0		0	
1/4	2,626.04	1/4	2,263.50	1/4	1,900.97	1/4	1,538.44	1/4	1,176.47	1/4	815.76	1/4	453.24	1/4	90.91	1/4		1/4	
1/2	2,618.49	1/2	2,255.95	1/2	1,893.42	1/2	1,530.88	1/2	1,168.97	1/2	808.21	1/2	445.69	1/2	83.99	1/2		1/2	
3/4	2,610.93	3/4	2,248.40	3/4	1,885.86	3/4	1,523.33	3/4	1,161.47	3/4	800.66	3/4	438.14	3/4	77.07	3/4		3/4	
1	2,603.38	1	2,240.85	1	1,878.31	1	1,515.78	1	1,153.97	1	793.10	1	430.58	1	70.15	1		1	
1/4	2,595.83	1/4	2,233.29	1/4	1,870.76	1/4	1,508.22	1/4	1,146.47	1/4	785.55	1/4	423.03	1/4	63.23	1/4		1/4	
1/2	2,588.27	1/2	2,225.74	1/2	1,863.21	1/2	1,500.67	1/2	1,138.97	1/2	778.00	1/2	415.48	1/2	57.56	1/2		1/2	
3/4	2,580.72	3/4	2,218.19	3/4	1,855.65	3/4	1,493.12	3/4	1,131.47	3/4	770.45	3/4	407.93	3/4	51.90	3/4		3/4	
2	2,573.17	2	2,210.63	2	1,848.10	2	1,485.57	2	1,123.97	2	762.89	2	400.37	2	46.24	2		2	
1/4	2,565.62	1/4	2,203.08	1/4	1,840.55	1/4	1,478.01	1/4	1,116.47	1/4	755.34	1/4	392.82	1/4	40.57	1/4		1/4	
1/2	2,558.06	1/2	2,195.53	1/2	1,832.99	1/2	1,470.46	1/2	1,108.97	1/2	747.79	1/2	385.27	1/2	36.17	1/2		1/2	
3/4	2,550.51	3/4	2,187.98	3/4	1,825.44	3/4	1,462.91	3/4	1,101.46	3/4	740.24	3/4	377.72	3/4	31.76	3/4		3/4	
3	2,542.96	3	2,180.42	3	1,817.89	3	1,455.35	3	1,093.96	3	732.68	3	370.16	3	27.36	3		3	
1/4	2,535.41	1/4	2,172.87	1/4	1,810.34	1/4	1,447.80	1/4	1,086.46	1/4	725.13	1/4	362.61	1/4	22.96	1/4		1/4	
1/2	2,527.85	1/2	2,165.32	1/2	1,802.78	1/2	1,440.25	1/2	1,078.96	1/2	717.58	1/2	355.06	1/2		1/2		1/2	
3/4	2,520.30	3/4	2,157.77	3/4	1,795.23	3/4	1,432.70	3/4	1,071.46	3/4	710.03	3/4	347.51	3/4		3/4		3/4	
4	2,512.75	4	2,150.21	4	1,787.68	4	1,425.14	4	1,063.96	4	702.47	4	339.95	4		4		4	
1/4	2,505.19	1/4	2,142.66	1/4	1,780.13	1/4	1,417.59	1/4	1,056.46	1/4	694.92	1/4	332.40	1/4		1/4		1/4	
1/2	2,497.64	1/2	2,135.11	1/2	1,772.57	1/2	1,410.04	1/2	1,048.96	1/2	687.37	1/2	324.85	1/2		1/2		1/2	
3/4	2,490.09	3/4	2,127.55	3/4	1,765.02	3/4	1,402.49	3/4	1,041.46	3/4	679.82	3/4	317.30	3/4		3/4		3/4	
5	2,482.54	5	2,120.00	5	1,757.47	5	1,394.93	5	1,033.96	5	672.26	5	309.74	5		5		5	
1/4	2,474.98	1/4	2,112.45	1/4	1,749.91	1/4	1,387.38	1/4	1,026.45	1/4	664.71	1/4	302.19	1/4		1/4		1/4	
1/2	2,467.43	1/2	2,104.90	1/2	1,742.36	1/2	1,379.83	1/2	1,018.95	1/2	657.16	1/2	294.64	1/2		1/2		1/2	
3/4	2,459.88	3/4	2,097.34	3/4	1,734.81	3/4	1,372.27	3/4	1,011.45	3/4	649.61	3/4	287.09	3/4		3/4		3/4	
6	2,452.32	6	2,089.79	6	1,727.26	6	1,364.72	6	1,003.95	6	642.05	6	279.53	6		6		6	
1/4	2,444.77	1/4	2,082.24	1/4	1,719.70	1/4	1,357.17	1/4	996.45	1/4	634.50	1/4	271.98	1/4		1/4		1/4	
1/2	2,437.22	1/2	2,074.68	1/2	1,712.15	1/2	1,349.62	1/2	988.95	1/2	626.95	1/2	264.43	1/2		1/2		1/2	
3/4	2,429.67	3/4	2,067.13	3/4	1,704.60	3/4	1,342.06	3/4	981.45	3/4	619.40	3/4	256.88	3/4		3/4		3/4	
7	2,422.11	7	2,059.58	7	1,697.04	7	1,334.51	7	973.95	7	611.84	7	249.32	7		7		7	
1/4	2,414.56	1/4	2,052.03	1/4	1,689.49	1/4	1,326.96	1/4	966.45	1/4	604.29	1/4	241.77	1/4		1/4		1/4	
1/2	2,407.01	1/2	2,044.47	1/2	1,681.94	1/2	1,319.40	1/2	958.95	1/2	596.74	1/2	234.22	1/2		1/2		1/2	
3/4	2,399.45	3/4	2,036.92	3/4	1,674.39	3/4	1,311.85	3/4	951.44	3/4	589.19	3/4	226.67	3/4		3/4		3/4	
8	2,391.90	8	2,029.37	8	1,666.83	8	1,304.30	8	943.94	8	581.63	8	219.11	8		8		8	
1/4	2,384.35	1/4	2,021.81	1/4	1,659.28	1/4	1,296.75	1/4	936.44	1/4	574.08	1/4	211.56	1/4		1/4		1/4	
1/2	2,376.80	1/2	2,014.26	1/2	1,651.73	1/2	1,289.19	1/2	928.93	1/2	566.53	1/2	204.01	1/2		1/2		1/2	
3/4	2,369.24	3/4	2,006.71	3/4	1,644.17	3/4	1,281.64	3/4	921.42	3/4	558.98	3/4	196.46	3/4		3/4		3/4	
9	2,361.69	9	1,999.16	9	1,636.62	9	1,274.09	9	913.90	9	551.42	9	188.90	9		9		9	
1/4	2,354.14	1/4	1,991.60	1/4	1,629.07	1/4	1,266.53	1/4	906.39	1/4	543.87	1/4	181.35	1/4		1/4		1/4	
1/2	2,346.59	1/2	1,984.05	1/2	1,621.52	1/2	1,259.02	1/2	898.84	1/2	536.32	1/2	173.80	1/2		1/2		1/2	
3/4	2,339.03	3/4	1,976.50	3/4	1,613.96	3/4	1,251.51	3/4	891.29	3/4	528.77	3/4	166.25	3/4		3/4		3/4	
10	2,331.48	10	1,968.95	10	1,606.41	10	1,244.00	10	883.73	10	521.21	10	158.70	10		10		10	
1/4	2,323.93	1/4	1,961.39	1/4	1,598.86	1/4	1,236.48	1/4	876.18	1/4	513.66	1/4	151.15	1/4		1/4		1/4	
1/2	2,316.37	1/2	1,953.84	1/2	1,591.31	1/2	1,228.98	1/2	868.63	1/2	506.11	1/2	143.60	1/2		1/2		1/2	
3/4	2,308.82	3/4	1,946.29	3/4	1,583.75	3/4	1,221.48	3/4	861.08	3/4	498.56	3/4	136.06	3/4		3/4		3/4	
11	2,301.27	11	1,938.73	11	1,576.20	11	1,213.98	11	853.52	11	491.00	11	128.52	11		11		11	
1/4	2,293.72	1/4	1,931.18	1/4	1,568.65	1/4	1,206.48	1/4	845.97	1/4	483.45	1/4	120.98	1/4		1/4		1/4	
1/2	2,286.16	1/2	1,923.63	1/2	1,561.09	1/2	1,198.98	1/2	838.42	1/2	475.90	1/2	113.46	1/2		1/2		1/2	
3/4	2,278.61	3/4	1,916.08	3/4	1,553.54	3/4	1,191.48	3/4	830.87	3/4	468.35	3/4	105.94	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/09/2013 CL
RECALCULATED: 11/03/2023 JS
VERIFIED: 11/02/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2023

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



BARGE "KIRBY 29079"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY " HBC 312"

GAUGE HEIGHT 17'-03 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

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" GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 29079"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 312"

GAUGE HEIGHT 17'-03 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	2,627.89	0	2,266.41	0	1,904.92	0	1,543.43	0	1,182.03	0	820.95	0	459.47	0	98.15	0		0	
1/4	2,620.37	1/4	2,258.88	1/4	1,897.39	1/4	1,535.90	1/4	1,174.51	1/4	813.42	1/4	451.94	1/4	90.65	1/4		1/4	
1/2	2,612.83	1/2	2,251.35	1/2	1,889.86	1/2	1,528.37	1/2	1,166.99	1/2	805.89	1/2	444.41	1/2	83.75	1/2		1/2	
3/4	2,605.30	3/4	2,243.82	3/4	1,882.33	3/4	1,520.84	3/4	1,159.47	3/4	798.36	3/4	436.88	3/4	76.85	3/4		3/4	
1	2,597.77	1	2,236.28	1	1,874.80	1	1,513.31	1	1,151.96	1	790.83	1	429.35	1	69.95	1		1	
1/4	2,590.24	1/4	2,228.75	1/4	1,867.27	1/4	1,505.78	1/4	1,144.44	1/4	783.30	1/4	421.82	1/4	63.05	1/4		1/4	
1/2	2,582.71	1/2	2,221.22	1/2	1,859.73	1/2	1,498.25	1/2	1,136.92	1/2	775.77	1/2	414.29	1/2	57.40	1/2		1/2	
3/4	2,575.18	3/4	2,213.69	3/4	1,852.20	3/4	1,490.72	3/4	1,129.40	3/4	768.24	3/4	406.76	3/4	51.75	3/4		3/4	
2	2,567.65	2	2,206.16	2	1,844.67	2	1,483.18	2	1,121.88	2	760.70	2	399.23	2	46.11	2		2	
1/4	2,560.12	1/4	2,198.63	1/4	1,837.14	1/4	1,475.65	1/4	1,114.36	1/4	753.17	1/4	391.70	1/4	40.46	1/4		1/4	
1/2	2,552.59	1/2	2,191.10	1/2	1,829.61	1/2	1,468.12	1/2	1,106.84	1/2	745.64	1/2	384.16	1/2	36.07	1/2		1/2	
3/4	2,545.06	3/4	2,183.57	3/4	1,822.08	3/4	1,460.59	3/4	1,099.32	3/4	738.11	3/4	376.63	3/4	31.68	3/4		3/4	
3	2,537.52	3	2,176.04	3	1,814.55	3	1,453.06	3	1,091.81	3	730.58	3	369.10	3	27.28	3		3	
1/4	2,529.99	1/4	2,168.51	1/4	1,807.02	1/4	1,445.53	1/4	1,084.29	1/4	723.05	1/4	361.57	1/4	22.89	1/4		1/4	
1/2	2,522.46	1/2	2,160.97	1/2	1,799.49	1/2	1,438.00	1/2	1,076.77	1/2	715.52	1/2	354.04	1/2		1/2		1/2	
3/4	2,514.93	3/4	2,153.44	3/4	1,791.96	3/4	1,430.47	3/4	1,069.25	3/4	707.99	3/4	346.51	3/4		3/4		3/4	
4	2,507.40	4	2,145.91	4	1,784.42	4	1,422.94	4	1,061.73	4	700.46	4	338.98	4		4		4	
1/4	2,499.87	1/4	2,138.38	1/4	1,776.89	1/4	1,415.41	1/4	1,054.21	1/4	692.93	1/4	331.45	1/4		1/4		1/4	
1/2	2,492.34	1/2	2,130.85	1/2	1,769.36	1/2	1,407.87	1/2	1,046.69	1/2	685.40	1/2	323.92	1/2		1/2		1/2	
3/4	2,484.81	3/4	2,123.32	3/4	1,761.83	3/4	1,400.34	3/4	1,039.18	3/4	677.87	3/4	316.39	3/4		3/4		3/4	
5	2,477.28	5	2,115.79	5	1,754.30	5	1,392.81	5	1,031.66	5	670.34	5	308.86	5		5		5	
1/4	2,469.75	1/4	2,108.26	1/4	1,746.77	1/4	1,385.28	1/4	1,024.14	1/4	662.80	1/4	301.33	1/4		1/4		1/4	
1/2	2,462.21	1/2	2,100.73	1/2	1,739.24	1/2	1,377.75	1/2	1,016.62	1/2	655.27	1/2	293.80	1/2		1/2		1/2	
3/4	2,454.68	3/4	2,093.20	3/4	1,731.71	3/4	1,370.22	3/4	1,009.10	3/4	647.74	3/4	286.26	3/4		3/4		3/4	
6	2,447.15	6	2,085.66	6	1,724.18	6	1,362.69	6	1,001.58	6	640.21	6	278.73	6		6		6	
1/4	2,439.62	1/4	2,078.13	1/4	1,716.65	1/4	1,355.16	1/4	994.06	1/4	632.68	1/4	271.20	1/4		1/4		1/4	
1/2	2,432.09	1/2	2,070.60	1/2	1,709.11	1/2	1,347.63	1/2	986.54	1/2	625.15	1/2	263.67	1/2		1/2		1/2	
3/4	2,424.56	3/4	2,063.07	3/4	1,701.58	3/4	1,340.10	3/4	979.03	3/4	617.62	3/4	256.14	3/4		3/4		3/4	
7	2,417.03	7	2,055.54	7	1,694.05	7	1,332.56	7	971.51	7	610.09	7	248.61	7		7		7	
1/4	2,409.50	1/4	2,048.01	1/4	1,686.52	1/4	1,325.03	1/4	963.99	1/4	602.56	1/4	241.08	1/4		1/4		1/4	
1/2	2,401.97	1/2	2,040.48	1/2	1,678.99	1/2	1,317.50	1/2	956.47	1/2	595.03	1/2	233.55	1/2		1/2		1/2	
3/4	2,394.44	3/4	2,032.95	3/4	1,671.46	3/4	1,309.97	3/4	948.95	3/4	587.50	3/4	226.02	3/4		3/4		3/4	
8	2,386.90	8	2,025.42	8	1,663.93	8	1,302.44	8	941.43	8	579.97	8	218.49	8		8		8	
1/4	2,379.37	1/4	2,017.89	1/4	1,656.40	1/4	1,294.91	1/4	933.91	1/4	572.43	1/4	210.96	1/4		1/4		1/4	
1/2	2,371.84	1/2	2,010.35	1/2	1,648.87	1/2	1,287.38	1/2	926.38	1/2	564.90	1/2	203.43	1/2		1/2		1/2	
3/4	2,364.31	3/4	2,002.82	3/4	1,641.34	3/4	1,279.85	3/4	918.85	3/4	557.37	3/4	195.89	3/4		3/4		3/4	
9	2,356.78	9	1,995.29	9	1,633.80	9	1,272.32	9	911.32	9	549.84	9	188.36	9		9		9	
1/4	2,349.25	1/4	1,987.76	1/4	1,626.27	1/4	1,264.79	1/4	903.79	1/4	542.31	1/4	180.83	1/4		1/4		1/4	
1/2	2,341.72	1/2	1,980.23	1/2	1,618.74	1/2	1,257.25	1/2	896.26	1/2	534.78	1/2	173.30	1/2		1/2		1/2	
3/4	2,334.19	3/4	1,972.70	3/4	1,611.21	3/4	1,249.72	3/4	888.73	3/4	527.25	3/4	165.77	3/4		3/4		3/4	
10	2,326.66	10	1,965.17	10	1,603.68	10	1,242.19	10	881.20	10	519.72	10	158.24	10		10		10	
1/4	2,319.13	1/4	1,957.64	1/4	1,596.15	1/4	1,234.66	1/4	873.67	1/4	512.19	1/4	150.72	1/4		1/4		1/4	
1/2	2,311.59	1/2	1,950.11	1/2	1,588.62	1/2	1,227.14	1/2	866.14	1/2	504.66	1/2	143.19	1/2		1/2		1/2	
3/4	2,304.06	3/4	1,942.58	3/4	1,581.09	3/4	1,219.62	3/4	858.61	3/4	497.13	3/4	135.67	3/4		3/4		3/4	
11	2,296.53	11	1,935.04	11	1,573.56	11	1,212.11	11	851.07	11	489.60	11	128.15	11		11		11	
1/4	2,289.00	1/4	1,927.51	1/4	1,566.03	1/4	1,204.59	1/4	843.54	1/4	482.07	1/4	120.63	1/4		1/4		1/4	
1/2	2,281.47	1/2	1,919.98	1/2	1,558.49	1/2	1,197.07	1/2	836.01	1/2	474.53	1/2	113.14	1/2		1/2		1/2	
3/4	2,273.94	3/4	1,912.45	3/4	1,550.96	3/4	1,189.55	3/4	828.48	3/4	467.00	3/4	105.64	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/09/2013 CL
RECALCULATED: 11/03/2023 JS
VERIFIED: 11/02/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2023

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



BARGE "KIRBY 29079"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY " HBC 312"

GAUGE HEIGHT 17'-02 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
							5,091.50		4,757.82		4,404.81		4,043.37		3,681.92		3,320.48		2,959.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,084.77	1/4	4,750.66	1/4	4,397.28	1/4	4,035.84	1/4	3,674.39	1/4	3,312.95	1/4	2,951.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,078.04	1/2	4,743.51	1/2	4,389.75	1/2	4,028.31	1/2	3,666.86	1/2	3,305.42	1/2	2,943.97
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,071.30	3/4	4,736.35	3/4	4,382.22	3/4	4,020.78	3/4	3,659.33	3/4	3,297.89	3/4	2,936.44
1	1	1	1	1	1	1	5,064.54	1	4,729.16	1	4,374.69	1	4,013.25	1	3,651.80	1	3,290.36	1	2,928.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,057.78	1/4	4,721.97	1/4	4,367.16	1/4	4,005.72	1/4	3,644.27	1/4	3,282.83	1/4	2,921.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,051.02	1/2	4,714.78	1/2	4,359.63	1/2	3,998.19	1/2	3,636.74	1/2	3,275.30	1/2	2,913.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,044.26	3/4	4,707.59	3/4	4,352.10	3/4	3,990.66	3/4	3,629.21	3/4	3,267.77	3/4	2,906.32
2	2	2	2	2	2	2	5,037.46	2	4,700.35	2	4,344.57	2	3,983.13	2	3,621.68	2	3,260.24	2	2,898.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,030.67	1/4	4,693.10	1/4	4,337.04	1/4	3,975.60	1/4	3,614.15	1/4	3,252.71	1/4	2,891.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,023.88	1/2	4,685.85	1/2	4,329.51	1/2	3,968.07	1/2	3,606.62	1/2	3,245.18	1/2	2,883.73
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,017.09	3/4	4,678.60	3/4	4,321.98	3/4	3,960.54	3/4	3,599.09	3/4	3,237.65	3/4	2,876.20
3	3	3	3	3	3	3	5,010.26	3	4,671.33	3	4,314.45	3	3,953.01	3	3,591.56	3	3,230.12	3	2,868.67
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,003.44	1/4	4,664.05	1/4	4,306.92	1/4	3,945.48	1/4	3,584.03	1/4	3,222.59	1/4	2,861.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,996.62	1/2	4,656.77	1/2	4,299.39	1/2	3,937.95	1/2	3,576.50	1/2	3,215.06	1/2	2,853.61
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,989.80	3/4	4,649.49	3/4	4,291.86	3/4	3,930.42	3/4	3,568.97	3/4	3,207.53	3/4	2,846.08
4	4	4	4	4	4	4	4,982.88	4	4,642.19	4	4,284.33	4	3,922.89	4	3,561.44	4	3,200.00	4	2,838.55
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,975.95	1/4	4,634.88	1/4	4,276.80	1/4	3,915.36	1/4	3,553.91	1/4	3,192.47	1/4	2,831.02
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,969.03	1/2	4,627.57	1/2	4,269.27	1/2	3,907.83	1/2	3,546.38	1/2	3,184.94	1/2	2,823.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,962.11	3/4	4,620.27	3/4	4,261.74	3/4	3,900.30	3/4	3,538.85	3/4	3,177.41	3/4	2,815.96
5	5	5	5	5	5	5	4,955.15	5	4,612.93	5	4,254.21	5	3,892.77	5	3,531.32	5	3,169.88	5	2,808.43
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,948.20	1/4	4,605.59	1/4	4,246.68	1/4	3,885.24	1/4	3,523.79	1/4	3,162.35	1/4	2,800.90
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,941.25	1/2	4,598.26	1/2	4,239.15	1/2	3,877.71	1/2	3,516.26	1/2	3,154.82	1/2	2,793.37
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,934.29	3/4	4,590.92	3/4	4,231.62	3/4	3,870.18	3/4	3,508.73	3/4	3,147.29	3/4	2,785.84
6	6	6	6	6	6	6	4,927.31	6	4,583.55	6	4,224.09	6	3,862.65	6	3,501.20	6	3,139.76	6	2,778.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,920.33	1/4	4,576.19	1/4	4,216.56	1/4	3,855.12	1/4	3,493.67	1/4	3,132.23	1/4	2,770.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,913.35	1/2	4,568.82	1/2	4,209.03	1/2	3,847.59	1/2	3,486.14	1/2	3,124.70	1/2	2,763.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,215.08	3/4	4,906.37	3/4	4,561.45	3/4	4,201.50	3/4	3,840.06	3/4	3,478.61	3/4	3,117.17
7	7	7	7	7	7	7	5,210.76	7	4,899.36	7	4,554.06	7	4,193.97	7	3,832.53	7	3,471.08	7	3,109.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,206.44	1/4	4,892.35	1/4	4,546.66	1/4	4,186.44	1/4	3,825.00	1/4	3,463.55	1/4	3,102.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,202.12	1/2	4,885.34	1/2	4,539.27	1/2	4,178.91	1/2	3,817.47	1/2	3,456.02	1/2	3,094.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,197.80	3/4	4,878.33	3/4	4,531.87	3/4	4,171.38	3/4	3,809.94	3/4	3,448.49	3/4	3,087.05
8	8	8	8	8	8	8	5,192.25	8	4,871.29	8	4,524.44	8	4,163.85	8	3,802.41	8	3,440.96	8	3,079.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,186.70	1/4	4,864.25	1/4	4,517.02	1/4	4,156.32	1/4	3,794.88	1/4	3,433.43	1/4	3,071.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,181.15	1/2	4,857.21	1/2	4,509.59	1/2	4,148.79	1/2	3,787.35	1/2	3,425.90	1/2	3,064.46
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,175.60	3/4	4,850.17	3/4	4,502.16	3/4	4,141.26	3/4	3,779.82	3/4	3,418.37	3/4	3,056.93
9	9	9	9	9	9	9	5,169.59	9	4,843.10	9	4,494.71	9	4,133.73	9	3,772.29	9	3,410.84	9	3,049.40
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,163.58	1/4	4,836.03	1/4	4,487.25	1/4	4,126.20	1/4	3,764.76	1/4	3,403.31	1/4	3,041.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,157.56	1/2	4,828.97	1/2	4,479.80	1/2	4,118.67	1/2	3,757.23	1/2	3,395.78	1/2	3,034.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,151.55	3/4	4,821.90	3/4	4,472.34	3/4	4,111.14	3/4	3,749.70	3/4	3,388.25	3/4	3,026.81
10	10	10	10	10	10	10	5,144.91	10	4,814.80	10	4,464.86	10	4,103.61	10	3,742.17	10	3,380.72	10	3,019.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,138.27	1/4	4,807.70	1/4	4,457.37	1/4	4,096.08	1/4	3,734.64	1/4	3,373.19	1/4	3,011.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,131.64	1/2	4,800.60	1/2	4,449.89	1/2	4,088.55	1/2	3,727.10	1/2	3,365.66	1/2	3,004.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,125.00	3/4	4,793.50	3/4	4,442.40	3/4	4,081.02	3/4	3,719.57	3/4	3,358.13	3/4	2,996.69
11	11	11	11	11	11	11	5,118.31	11	4,786.37	11	4,434.89	11	4,073.49	11	3,712.04	11	3,350.60	11	2,989.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,111.61	1/4	4,779.24	1/4	4,427.37	1/4	4,065.96	1/4	3,704.51	1/4	3,343.07	1/4	2,981.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,104.92	1/2	4,772.11	1/2	4,419.86	1/2	4,058.43	1/2	3,696.98	1/2	3,335.54	1/2	2,974.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,098.23	3/4	4,764.98	3/4	4,412.34	3/4	4,050.90	3/4	3,689.45	3/4	3,328.01	3/4	2,966.56

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" GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 29079"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 312"

GAUGE HEIGHT 17'-02 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	2,597.59	0	2,236.01	0	1,874.43	0	1,512.85	0	1,155.68	0	806.08	0	444.52	0	83.77	0		0	
1/4	2,590.05	1/4	2,228.48	1/4	1,866.90	1/4	1,505.32	1/4	1,148.49	1/4	798.55	1/4	436.99	1/4	76.87	1/4		1/4	
1/2	2,582.52	1/2	2,220.94	1/2	1,859.36	1/2	1,497.78	1/2	1,141.30	1/2	791.02	1/2	429.45	1/2	69.97	1/2		1/2	
3/4	2,574.99	3/4	2,213.41	3/4	1,851.83	3/4	1,490.25	3/4	1,134.11	3/4	783.49	3/4	421.92	3/4	63.07	3/4		3/4	
1	2,567.46	1	2,205.88	1	1,844.30	1	1,482.72	1	1,126.93	1	775.95	1	414.39	1	57.42	1		1	
1/4	2,559.92	1/4	2,198.34	1/4	1,836.76	1/4	1,475.19	1/4	1,119.74	1/4	768.42	1/4	406.86	1/4	51.77	1/4		1/4	
1/2	2,552.39	1/2	2,190.81	1/2	1,829.23	1/2	1,467.65	1/2	1,112.55	1/2	760.89	1/2	399.32	1/2	46.12	1/2		1/2	
3/4	2,544.86	3/4	2,183.28	3/4	1,821.70	3/4	1,460.12	3/4	1,105.36	3/4	753.36	3/4	391.79	3/4	40.47	3/4		3/4	
2	2,537.32	2	2,175.74	2	1,814.17	2	1,452.59	2	1,098.17	2	745.82	2	384.26	2	36.08	2		2	
1/4	2,529.79	1/4	2,168.21	1/4	1,806.63	1/4	1,445.05	1/4	1,090.98	1/4	738.29	1/4	376.73	1/4	31.69	1/4		1/4	
1/2	2,522.26	1/2	2,160.68	1/2	1,799.10	1/2	1,437.52	1/2	1,083.79	1/2	730.76	1/2	369.19	1/2	27.29	1/2		1/2	
3/4	2,514.73	3/4	2,153.15	3/4	1,791.57	3/4	1,429.99	3/4	1,076.60	3/4	723.23	3/4	361.66	3/4	22.90	3/4		3/4	
3	2,507.19	3	2,145.61	3	1,784.03	3	1,422.45	3	1,069.41	3	715.69	3	354.13	3		3		3	
1/4	2,499.66	1/4	2,138.08	1/4	1,776.50	1/4	1,414.92	1/4	1,062.22	1/4	708.16	1/4	346.60	1/4		1/4		1/4	
1/2	2,492.13	1/2	2,130.55	1/2	1,768.97	1/2	1,407.39	1/2	1,055.03	1/2	700.63	1/2	339.06	1/2		1/2		1/2	
3/4	2,484.59	3/4	2,123.01	3/4	1,761.44	3/4	1,399.86	3/4	1,047.84	3/4	693.10	3/4	331.53	3/4		3/4		3/4	
4	2,477.06	4	2,115.48	4	1,753.90	4	1,392.32	4	1,040.65	4	685.56	4	324.00	4		4		4	
1/4	2,469.53	1/4	2,107.95	1/4	1,746.37	1/4	1,384.79	1/4	1,033.46	1/4	678.03	1/4	316.47	1/4		1/4		1/4	
1/2	2,461.99	1/2	2,100.42	1/2	1,738.84	1/2	1,377.26	1/2	1,026.27	1/2	670.50	1/2	308.93	1/2		1/2		1/2	
3/4	2,454.46	3/4	2,092.88	3/4	1,731.30	3/4	1,369.72	3/4	1,019.08	3/4	662.96	3/4	301.40	3/4		3/4		3/4	
5	2,446.93	5	2,085.35	5	1,723.77	5	1,362.19	5	1,011.90	5	655.43	5	293.87	5		5		5	
1/4	2,439.40	1/4	2,077.82	1/4	1,716.24	1/4	1,354.66	1/4	1,004.71	1/4	647.90	1/4	286.33	1/4		1/4		1/4	
1/2	2,431.86	1/2	2,070.28	1/2	1,708.70	1/2	1,347.13	1/2	997.52	1/2	640.37	1/2	278.80	1/2		1/2		1/2	
3/4	2,424.33	3/4	2,062.75	3/4	1,701.17	3/4	1,339.59	3/4	990.33	3/4	632.83	3/4	271.27	3/4		3/4		3/4	
6	2,416.80	6	2,055.22	6	1,693.64	6	1,332.06	6	983.14	6	625.30	6	263.74	6		6		6	
1/4	2,409.26	1/4	2,047.69	1/4	1,686.11	1/4	1,324.53	1/4	975.95	1/4	617.77	1/4	256.20	1/4		1/4		1/4	
1/2	2,401.73	1/2	2,040.15	1/2	1,678.57	1/2	1,316.99	1/2	968.76	1/2	610.24	1/2	248.67	1/2		1/2		1/2	
3/4	2,394.20	3/4	2,032.62	3/4	1,671.04	3/4	1,309.46	3/4	961.57	3/4	602.70	3/4	241.14	3/4		3/4		3/4	
7	2,386.67	7	2,025.09	7	1,663.51	7	1,301.93	7	954.38	7	595.17	7	233.61	7		7		7	
1/4	2,379.13	1/4	2,017.55	1/4	1,655.97	1/4	1,294.40	1/4	947.19	1/4	587.64	1/4	226.07	1/4		1/4		1/4	
1/2	2,371.60	1/2	2,010.02	1/2	1,648.44	1/2	1,286.86	1/2	940.00	1/2	580.11	1/2	218.54	1/2		1/2		1/2	
3/4	2,364.07	3/4	2,002.49	3/4	1,640.91	3/4	1,279.33	3/4	932.81	3/4	572.57	3/4	211.01	3/4		3/4		3/4	
8	2,356.53	8	1,994.96	8	1,633.38	8	1,271.80	8	925.61	8	565.04	8	203.48	8		8		8	
1/4	2,349.00	1/4	1,987.42	1/4	1,625.84	1/4	1,264.26	1/4	918.41	1/4	557.51	1/4	195.94	1/4		1/4		1/4	
1/2	2,341.47	1/2	1,979.89	1/2	1,618.31	1/2	1,256.73	1/2	911.21	1/2	549.98	1/2	188.41	1/2		1/2		1/2	
3/4	2,333.94	3/4	1,972.36	3/4	1,610.78	3/4	1,249.20	3/4	904.01	3/4	542.44	3/4	180.88	3/4		3/4		3/4	
9	2,326.40	9	1,964.82	9	1,603.24	9	1,242.00	9	896.48	9	534.91	9	173.35	9		9		9	
1/4	2,318.87	1/4	1,957.29	1/4	1,595.71	1/4	1,234.79	1/4	888.94	1/4	527.38	1/4	165.82	1/4		1/4		1/4	
1/2	2,311.34	1/2	1,949.76	1/2	1,588.18	1/2	1,227.59	1/2	881.41	1/2	519.85	1/2	158.28	1/2		1/2		1/2	
3/4	2,303.80	3/4	1,942.22	3/4	1,580.65	3/4	1,220.39	3/4	873.88	3/4	512.31	3/4	150.75	3/4		3/4		3/4	
10	2,296.27	10	1,934.69	10	1,573.11	10	1,213.20	10	866.35	10	504.78	10	143.23	10		10		10	
1/4	2,288.74	1/4	1,927.16	1/4	1,565.58	1/4	1,206.01	1/4	858.81	1/4	497.25	1/4	135.71	1/4		1/4		1/4	
1/2	2,281.21	1/2	1,919.63	1/2	1,558.05	1/2	1,198.82	1/2	851.28	1/2	489.72	1/2	128.19	1/2		1/2		1/2	
3/4	2,273.67	3/4	1,912.09	3/4	1,550.51	3/4	1,191.63	3/4	843.75	3/4	482.18	3/4	120.66	3/4		3/4		3/4	
11	2,266.14	11	1,904.56	11	1,542.98	11	1,184.44	11	836.21	11	474.65	11	113.17	11		11		11	
1/4	2,258.61	1/4	1,897.03	1/4	1,535.45	1/4	1,177.25	1/4	828.68	1/4	467.12	1/4	105.67	1/4		1/4		1/4	
1/2	2,251.07	1/2	1,889.49	1/2	1,527.92	1/2	1,170.06	1/2	821.15	1/2	459.58	1/2	98.17	1/2		1/2		1/2	
3/4	2,243.54	3/4	1,881.96	3/4	1,520.38	3/4	1,162.87	3/4	813.62	3/4	452.05	3/4	90.68	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/09/2013 CL
RECALCULATED: 11/03/2023 JS
VERIFIED: 11/02/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2023

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



BARGE "KIRBY 29079"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY " HBC 312"

GAUGE HEIGHT 17'-03"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
							4,358.34		4,179.79		3,990.89		3,797.29		3,603.69		3,327.70		2,969.27		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,354.74	1/4	4,175.96	1/4	3,986.86	1/4	3,793.26	1/4	3,599.65	1/4	3,320.25	1/4	2,961.79		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,351.13	1/2	4,172.12	1/2	3,982.83	1/2	3,789.22	1/2	3,595.62	1/2	3,312.80	1/2	2,954.30		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,347.53	3/4	4,168.29	3/4	3,978.79	3/4	3,785.19	3/4	3,591.59	3/4	3,305.35	3/4	2,946.82		
1	1	1	1	1	1	1	4,343.92	1	4,164.45	1	3,974.76	1	3,781.16	1	3,587.55	1	3,297.90	1	2,939.33		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,340.30	1/4	4,160.60	1/4	3,970.73	1/4	3,777.12	1/4	3,583.52	1/4	3,290.45	1/4	2,931.85		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,336.68	1/2	4,156.75	1/2	3,966.69	1/2	3,773.09	1/2	3,579.49	1/2	3,283.00	1/2	2,924.36		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,333.05	3/4	4,152.89	3/4	3,962.66	3/4	3,769.06	3/4	3,575.45	3/4	3,275.55	3/4	2,916.88		
2	2	2	2	2	2	2	4,329.43	2	4,149.04	2	3,958.62	2	3,765.02	2	3,571.42	2	3,268.10	2	2,909.39		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,325.79	1/4	4,145.16	1/4	3,954.59	1/4	3,760.99	1/4	3,567.39	1/4	3,260.65	1/4	2,901.91		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,322.15	1/2	4,141.28	1/2	3,950.56	1/2	3,756.95	1/2	3,563.35	1/2	3,253.20	1/2	2,894.42		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,318.51	3/4	4,137.40	3/4	3,946.52	3/4	3,752.92	3/4	3,559.32	3/4	3,245.75	3/4	2,886.94		
3	3	3	3	3	3	3	4,314.88	3	4,133.51	3	3,942.49	3	3,748.89	3	3,555.28	3	3,238.30	3	2,879.46		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,311.22	1/4	4,129.61	1/4	3,938.46	1/4	3,744.85	1/4	3,551.25	1/4	3,230.85	1/4	2,871.97		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,307.57	1/2	4,125.72	1/2	3,934.42	1/2	3,740.82	1/2	3,547.22	1/2	3,223.40	1/2	2,864.49		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,303.91	3/4	4,121.82	3/4	3,930.39	3/4	3,736.79	3/4	3,543.18	3/4	3,215.95	3/4	2,857.00		
4	4	4	4	4	4	4	4,300.26	4	4,117.92	4	3,926.36	4	3,732.75	4	3,539.15	4	3,208.50	4	2,849.52		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,296.55	1/4	4,114.01	1/4	3,922.32	1/4	3,728.72	1/4	3,535.12	1/4	3,201.05	1/4	2,842.03		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,292.84	1/2	4,110.09	1/2	3,918.29	1/2	3,724.69	1/2	3,531.08	1/2	3,193.60	1/2	2,834.55		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,289.13	3/4	4,106.18	3/4	3,914.26	3/4	3,720.65	3/4	3,527.05	3/4	3,186.15	3/4	2,827.06		
5	5	5	5	5	5	5	4,285.42	5	4,102.26	5	3,910.22	5	3,716.62	5	3,523.02	5	3,178.70	5	2,819.58		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,281.70	1/4	4,098.33	1/4	3,906.19	1/4	3,712.59	1/4	3,518.98	1/4	3,171.25	1/4	2,812.10		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,277.97	1/2	4,094.40	1/2	3,902.16	1/2	3,708.55	1/2	3,514.95	1/2	3,163.80	1/2	2,804.61		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,274.25	3/4	4,090.47	3/4	3,898.12	3/4	3,704.52	3/4	3,510.92	3/4	3,156.35	3/4	2,797.13		
6	6	6	6	6	6	6	4,270.52	6	4,086.54	6	3,894.09	6	3,700.49	6	3,506.88	6	3,148.90	6	2,789.64		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,266.78	1/4	4,082.60	1/4	3,890.06	1/4	3,696.45	1/4	3,499.42	1/4	3,141.41	1/4	2,782.14		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,263.04	1/2	4,078.65	1/2	3,886.02	1/2	3,692.42	1/2	3,491.95	1/2	3,133.93	1/2	2,774.64		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,259.30	3/4	4,074.71	3/4	3,881.99	3/4	3,688.39	3/4	3,484.49	3/4	3,126.44	3/4	2,767.15		
7	7	7	4,410.46	7	4,255.56	7	4,070.76	7	3,877.96	7	3,684.35	7	3,477.02	7	3,118.96	7	2,759.65				
1/4	1/4	1/4	4,409.59	1/4	4,251.80	1/4	4,066.80	1/4	3,873.92	1/4	3,680.32	1/4	3,469.55	1/4	3,111.48	1/4	2,752.15				
1/2	1/2	1/2	4,408.72	1/2	4,248.05	1/2	4,062.84	1/2	3,869.89	1/2	3,676.29	1/2	3,462.09	1/2	3,103.99	1/2	2,744.65				
3/4	3/4	3/4	4,407.85	3/4	4,244.29	3/4	4,058.87	3/4	3,865.86	3/4	3,672.25	3/4	3,454.62	3/4	3,096.51	3/4	2,737.16				
8	8	8	4,406.98	8	4,240.53	8	4,054.91	8	3,861.82	8	3,668.22	8	3,447.16	8	3,089.02	8	2,729.66				
1/4	1/4	1/4	4,404.87	1/4	4,236.76	1/4	4,050.93	1/4	3,857.79	1/4	3,664.19	1/4	3,439.69	1/4	3,081.54	1/4	2,722.16				
1/2	1/2	1/2	4,402.77	1/2	4,232.99	1/2	4,046.96	1/2	3,853.76	1/2	3,660.15	1/2	3,432.23	1/2	3,074.05	1/2	2,714.66				
3/4	3/4	3/4	4,400.66	3/4	4,229.22	3/4	4,042.98	3/4	3,849.72	3/4	3,656.12	3/4	3,424.76	3/4	3,066.57	3/4	2,707.17				
9	9	9	4,398.56	9	4,225.44	9	4,039.00	9	3,845.69	9	3,652.09	9	3,417.29	9	3,059.08	9	2,699.67				
1/4	1/4	1/4	4,395.62	1/4	4,221.66	1/4	4,035.01	1/4	3,841.66	1/4	3,648.05	1/4	3,409.83	1/4	3,051.60	1/4	2,692.17				
1/2	1/2	1/2	4,392.69	1/2	4,217.87	1/2	4,031.01	1/2	3,837.62	1/2	3,644.02	1/2	3,402.36	1/2	3,044.11	1/2	2,684.67				
3/4	3/4	3/4	4,389.76	3/4	4,214.08	3/4	4,027.02	3/4	3,833.59	3/4	3,639.99	3/4	3,394.90	3/4	3,036.63	3/4	2,677.18				
10	10	10	4,386.82	10	4,210.29	10	4,023.03	10	3,829.56	10	3,635.95	10	3,387.43	10	3,029.15	10	2,669.68				
1/4	1/4	1/4	4,383.28	1/4	4,206.49	1/4	4,019.02	1/4	3,825.52	1/4	3,631.92	1/4	3,379.96	1/4	3,021.66	1/4	2,662.18				
1/2	1/2	1/2	4,379.74	1/2	4,202.68	1/2	4,015.01	1/2	3,821.49	1/2	3,627.89	1/2	3,372.50	1/2	3,014.18	1/2	2,654.68				
3/4	3/4	3/4	4,376.21	3/4	4,198.88	3/4	4,011.00	3/4	3,817.46	3/4	3,623.85	3/4	3,365.03	3/4	3,006.69	3/4	2,647.19				
11	11	11	4,372.67	11	4,195.07	11	4,006.99	11	3,813.42	11	3,619.82	11	3,357.57	11	2,999.21	11	2,639.69				
1/4	1/4	1/4	4,369.09	1/4	4,191.25	1/4	4,002.96	1/4	3,809.39	1/4	3,615.79	1/4	3,350.10	1/4	2,991.72	1/4	2,632.19				
1/2	1/2	1/2	4,365.50	1/2	4,187.43	1/2	3,998.94	1/2	3,805.36	1/2	3,611.75	1/2	3,342.63	1/2	2,984.24	1/2	2,624.69				
3/4	3/4	3/4	4,361.92	3/4	4,183.61	3/4	3,994.92	3/4	3,801.32	3/4	3,607.72	3/4	3,335.17	3/4	2,976.75	3/4	2,617.20				

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" GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29079"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 312"

GAUGE HEIGHT 17'-03"

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	2,609.70	0	2,249.76	0	1,889.79	0	1,529.77	0	1,169.80	0	810.11	0	450.10	0	90.29	0		0	
1/4	2,602.20	1/4	2,242.26	1/4	1,882.29	1/4	1,522.27	1/4	1,162.31	1/4	802.61	1/4	442.60	1/4	83.41	1/4		1/4	
1/2	2,594.70	1/2	2,234.76	1/2	1,874.79	1/2	1,514.77	1/2	1,154.82	1/2	795.11	1/2	435.10	1/2	76.54	1/2		1/2	
3/4	2,587.20	3/4	2,227.27	3/4	1,867.29	3/4	1,507.27	3/4	1,147.33	3/4	787.61	3/4	427.60	3/4	69.67	3/4		3/4	
1	2,579.70	1	2,219.77	1	1,859.79	1	1,499.77	1	1,139.84	1	780.11	1	420.10	1	62.79	1		1	
1/4	2,572.21	1/4	2,212.27	1/4	1,852.29	1/4	1,492.27	1/4	1,132.35	1/4	772.61	1/4	412.60	1/4	57.17	1/4		1/4	
1/2	2,564.71	1/2	2,204.77	1/2	1,844.79	1/2	1,484.77	1/2	1,124.86	1/2	765.11	1/2	405.10	1/2	51.55	1/2		1/2	
3/4	2,557.21	3/4	2,197.27	3/4	1,837.29	3/4	1,477.27	3/4	1,117.36	3/4	757.61	3/4	397.60	3/4	45.92	3/4		3/4	
2	2,549.71	2	2,189.77	2	1,829.79	2	1,469.77	2	1,109.87	2	750.11	2	390.10	2	40.30	2		2	
1/4	2,542.21	1/4	2,182.27	1/4	1,822.29	1/4	1,462.27	1/4	1,102.38	1/4	742.61	1/4	382.60	1/4	35.92	1/4		1/4	
1/2	2,534.71	1/2	2,174.77	1/2	1,814.79	1/2	1,454.77	1/2	1,094.89	1/2	735.11	1/2	375.10	1/2	31.55	1/2		1/2	
3/4	2,527.21	3/4	2,167.28	3/4	1,807.29	3/4	1,447.27	3/4	1,087.40	3/4	727.61	3/4	367.60	3/4	27.17	3/4		3/4	
3	2,519.71	3	2,159.78	3	1,799.79	3	1,439.77	3	1,079.91	3	720.11	3	360.10	3	22.80	3		3	
1/4	2,512.22	1/4	2,152.28	1/4	1,792.28	1/4	1,432.27	1/4	1,072.42	1/4	712.61	1/4	352.60	1/4		1/4		1/4	
1/2	2,504.72	1/2	2,144.78	1/2	1,784.78	1/2	1,424.77	1/2	1,064.93	1/2	705.11	1/2	345.10	1/2		1/2		1/2	
3/4	2,497.22	3/4	2,137.28	3/4	1,777.28	3/4	1,417.26	3/4	1,057.44	3/4	697.61	3/4	337.60	3/4		3/4		3/4	
4	2,489.72	4	2,129.78	4	1,769.78	4	1,409.76	4	1,049.95	4	690.11	4	330.10	4		4		4	
1/4	2,482.22	1/4	2,122.28	1/4	1,762.28	1/4	1,402.26	1/4	1,042.45	1/4	682.61	1/4	322.60	1/4		1/4		1/4	
1/2	2,474.72	1/2	2,114.79	1/2	1,754.78	1/2	1,394.76	1/2	1,034.96	1/2	675.11	1/2	315.10	1/2		1/2		1/2	
3/4	2,467.22	3/4	2,107.29	3/4	1,747.28	3/4	1,387.26	3/4	1,027.47	3/4	667.61	3/4	307.60	3/4		3/4		3/4	
5	2,459.73	5	2,099.79	5	1,739.78	5	1,379.76	5	1,019.98	5	660.11	5	300.10	5		5		5	
1/4	2,452.23	1/4	2,092.29	1/4	1,732.28	1/4	1,372.26	1/4	1,012.49	1/4	652.61	1/4	292.60	1/4		1/4		1/4	
1/2	2,444.73	1/2	2,084.79	1/2	1,724.78	1/2	1,364.76	1/2	1,005.00	1/2	645.11	1/2	285.10	1/2		1/2		1/2	
3/4	2,437.23	3/4	2,077.29	3/4	1,717.28	3/4	1,357.26	3/4	997.51	3/4	637.61	3/4	277.60	3/4		3/4		3/4	
6	2,429.73	6	2,069.79	6	1,709.78	6	1,349.76	6	990.02	6	630.11	6	270.10	6		6		6	
1/4	2,422.23	1/4	2,062.29	1/4	1,702.28	1/4	1,342.26	1/4	982.53	1/4	622.61	1/4	262.60	1/4		1/4		1/4	
1/2	2,414.73	1/2	2,054.80	1/2	1,694.78	1/2	1,334.76	1/2	975.04	1/2	615.11	1/2	255.10	1/2		1/2		1/2	
3/4	2,407.23	3/4	2,047.30	3/4	1,687.28	3/4	1,327.26	3/4	967.54	3/4	607.61	3/4	247.60	3/4		3/4		3/4	
7	2,399.74	7	2,039.80	7	1,679.78	7	1,319.76	7	960.05	7	600.11	7	240.10	7		7		7	
1/4	2,392.24	1/4	2,032.30	1/4	1,672.28	1/4	1,312.26	1/4	952.56	1/4	592.61	1/4	232.60	1/4		1/4		1/4	
1/2	2,384.74	1/2	2,024.80	1/2	1,664.78	1/2	1,304.76	1/2	945.07	1/2	585.11	1/2	225.10	1/2		1/2		1/2	
3/4	2,377.24	3/4	2,017.30	3/4	1,657.28	3/4	1,297.26	3/4	937.58	3/4	577.61	3/4	217.60	3/4		3/4		3/4	
8	2,369.74	8	2,009.80	8	1,649.78	8	1,289.76	8	930.09	8	570.11	8	210.10	8		8		8	
1/4	2,362.24	1/4	2,002.30	1/4	1,642.28	1/4	1,282.26	1/4	922.59	1/4	562.61	1/4	202.60	1/4		1/4		1/4	
1/2	2,354.74	1/2	1,994.80	1/2	1,634.78	1/2	1,274.76	1/2	915.10	1/2	555.11	1/2	195.10	1/2		1/2		1/2	
3/4	2,347.24	3/4	1,987.30	3/4	1,627.28	3/4	1,267.26	3/4	907.60	3/4	547.60	3/4	187.60	3/4		3/4		3/4	
9	2,339.75	9	1,979.79	9	1,619.78	9	1,259.76	9	900.11	9	540.10	9	180.10	9		9		9	
1/4	2,332.25	1/4	1,972.29	1/4	1,612.28	1/4	1,252.26	1/4	892.61	1/4	532.60	1/4	172.60	1/4		1/4		1/4	
1/2	2,324.75	1/2	1,964.79	1/2	1,604.77	1/2	1,244.76	1/2	885.11	1/2	525.10	1/2	165.10	1/2		1/2		1/2	
3/4	2,317.25	3/4	1,957.29	3/4	1,597.27	3/4	1,237.26	3/4	877.61	3/4	517.60	3/4	157.60	3/4		3/4		3/4	
10	2,309.75	10	1,949.79	10	1,589.77	10	1,229.75	10	870.11	10	510.10	10	150.10	10		10		10	
1/4	2,302.25	1/4	1,942.29	1/4	1,582.27	1/4	1,222.26	1/4	862.61	1/4	502.60	1/4	142.61	1/4		1/4		1/4	
1/2	2,294.75	1/2	1,934.79	1/2	1,574.77	1/2	1,214.76	1/2	855.11	1/2	495.10	1/2	135.12	1/2		1/2		1/2	
3/4	2,287.26	3/4	1,927.29	3/4	1,567.27	3/4	1,207.26	3/4	847.61	3/4	487.60	3/4	127.64	3/4		3/4		3/4	
11	2,279.76	11	1,919.79	11	1,559.77	11	1,199.77	11	840.11	11	480.10	11	120.15	11		11		11	
1/4	2,272.26	1/4	1,912.29	1/4	1,552.27	1/4	1,192.27	1/4	832.61	1/4	472.60	1/4	112.68	1/4		1/4		1/4	
1/2	2,264.76	1/2	1,904.79	1/2	1,544.77	1/2	1,184.78	1/2	825.11	1/2	465.10	1/2	105.22	1/2		1/2		1/2	
3/4	2,257.26	3/4	1,897.29	3/4	1,537.27	3/4	1,177.29	3/4	817.61	3/4	457.60	3/4	97.75	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/09/2013 CL
RECALCULATED: 11/03/2023 JS
VERIFIED: 11/02/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2023

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



BARGE "KIRBY 29079"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY " HBC 312"

GAUGE HEIGHT 17'-02 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	4,326.13	0	4,148.06	0	3,959.68	0	3,766.79	0	3,573.91	0	3,295.25	0	2,937.67
1/4		1/4		1/4		1/4	4,322.53	1/4	4,144.24	1/4	3,955.66	1/4	3,762.77	1/4	3,569.89	1/4	3,287.82	1/4	2,930.21
1/2		1/2		1/2		1/2	4,318.94	1/2	4,140.42	1/2	3,951.64	1/2	3,758.76	1/2	3,565.87	1/2	3,280.38	1/2	2,922.75
3/4		3/4		3/4		3/4	4,315.35	3/4	4,136.60	3/4	3,947.62	3/4	3,754.74	3/4	3,561.85	3/4	3,272.95	3/4	2,915.29
1		1		1		1	4,311.75	1	4,132.76	1	3,943.60	1	3,750.72	1	3,557.84	1	3,265.51	1	2,907.82
1/4		1/4		1/4		1/4	4,308.14	1/4	4,128.92	1/4	3,939.58	1/4	3,746.70	1/4	3,553.82	1/4	3,258.08	1/4	2,900.36
1/2		1/2		1/2		1/2	4,304.53	1/2	4,125.09	1/2	3,935.56	1/2	3,742.68	1/2	3,549.80	1/2	3,250.64	1/2	2,892.90
3/4		3/4		3/4		3/4	4,300.92	3/4	4,121.25	3/4	3,931.55	3/4	3,738.66	3/4	3,545.78	3/4	3,243.21	3/4	2,885.44
2		2		2		2	4,297.30	2	4,117.38	2	3,927.53	2	3,734.64	2	3,541.76	2	3,235.78	2	2,877.97
1/4		1/4		1/4		1/4	4,293.67	1/4	4,113.51	1/4	3,923.51	1/4	3,730.63	1/4	3,537.74	1/4	3,228.34	1/4	2,870.50
1/2		1/2		1/2		1/2	4,290.05	1/2	4,109.65	1/2	3,919.49	1/2	3,726.61	1/2	3,533.72	1/2	3,220.91	1/2	2,863.03
3/4		3/4		3/4		3/4	4,286.43	3/4	4,105.78	3/4	3,915.47	3/4	3,722.59	3/4	3,529.71	3/4	3,213.47	3/4	2,855.57
3		3		3		3	4,282.79	3	4,101.90	3	3,911.45	3	3,718.57	3	3,525.69	3	3,206.04	3	2,848.10
1/4		1/4		1/4		1/4	4,279.15	1/4	4,098.01	1/4	3,907.44	1/4	3,714.55	1/4	3,521.67	1/4	3,198.60	1/4	2,840.63
1/2		1/2		1/2		1/2	4,275.51	1/2	4,094.13	1/2	3,903.42	1/2	3,710.53	1/2	3,517.65	1/2	3,191.17	1/2	2,833.16
3/4		3/4		3/4		3/4	4,271.87	3/4	4,090.25	3/4	3,899.40	3/4	3,706.52	3/4	3,513.63	3/4	3,183.73	3/4	2,825.69
4		4		4		4	4,268.17	4	4,086.35	4	3,895.38	4	3,702.50	4	3,509.61	4	3,176.30	4	2,818.22
1/4		1/4		1/4		1/4	4,264.48	1/4	4,082.45	1/4	3,891.36	1/4	3,698.48	1/4	3,505.60	1/4	3,168.86	1/4	2,810.75
1/2		1/2		1/2		1/2	4,260.79	1/2	4,078.55	1/2	3,887.34	1/2	3,694.46	1/2	3,501.58	1/2	3,161.43	1/2	2,803.29
3/4		3/4		3/4		3/4	4,257.09	3/4	4,074.65	3/4	3,883.33	3/4	3,690.44	3/4	3,497.56	3/4	3,154.00	3/4	2,795.82
5		5		5		5	4,253.38	5	4,070.73	5	3,879.31	5	3,686.42	5	3,493.54	5	3,146.56	5	2,788.35
1/4		1/4		1/4		1/4	4,249.67	1/4	4,066.82	1/4	3,875.29	1/4	3,682.41	1/4	3,489.52	1/4	3,139.13	1/4	2,780.88
1/2		1/2		1/2		1/2	4,245.96	1/2	4,062.90	1/2	3,871.27	1/2	3,678.39	1/2	3,485.50	1/2	3,131.69	1/2	2,773.41
3/4		3/4		3/4		3/4	4,242.25	3/4	4,058.99	3/4	3,867.25	3/4	3,674.37	3/4	3,481.49	3/4	3,124.26	3/4	2,765.94
6		6		6		6	4,238.53	6	4,055.06	6	3,863.23	6	3,670.35	6	3,477.04	6	3,116.79	6	2,758.46
1/4		1/4		1/4		1/4	4,234.80	1/4	4,051.13	1/4	3,859.22	1/4	3,666.33	1/4	3,466.59	1/4	3,109.32	1/4	2,750.98
1/2		1/2		1/2		1/2	4,231.08	1/2	4,047.20	1/2	3,855.20	1/2	3,662.31	1/2	3,459.14	1/2	3,101.85	1/2	2,743.49
3/4		3/4		3/4	4,381.54	3/4	4,227.35	3/4	4,043.27	3/4	3,851.18	3/4	3,658.30	3/4	3,451.69	3/4	3,094.38	3/4	2,736.01
7		7		7	4,380.68	7	4,223.61	7	4,039.32	7	3,847.16	7	3,654.28	7	3,444.24	7	3,086.91	7	2,728.53
1/4		1/4		1/4	4,379.83	1/4	4,219.87	1/4	4,035.37	1/4	3,843.14	1/4	3,650.26	1/4	3,436.79	1/4	3,079.44	1/4	2,721.05
1/2		1/2		1/2	4,378.97	1/2	4,216.13	1/2	4,031.42	1/2	3,839.12	1/2	3,646.24	1/2	3,429.34	1/2	3,071.98	1/2	2,713.57
3/4		3/4		3/4	4,378.12	3/4	4,212.38	3/4	4,027.48	3/4	3,835.10	3/4	3,642.22	3/4	3,421.89	3/4	3,064.51	3/4	2,706.08
8		8		8	4,376.03	8	4,208.63	8	4,023.52	8	3,831.09	8	3,638.20	8	3,414.44	8	3,057.05	8	2,698.60
1/4		1/4		1/4	4,373.93	1/4	4,204.87	1/4	4,019.55	1/4	3,827.07	1/4	3,634.18	1/4	3,406.99	1/4	3,049.59	1/4	2,691.12
1/2		1/2		1/2	4,371.84	1/2	4,201.11	1/2	4,015.59	1/2	3,823.05	1/2	3,630.17	1/2	3,399.54	1/2	3,042.12	1/2	2,683.64
3/4		3/4		3/4	4,369.75	3/4	4,197.35	3/4	4,011.63	3/4	3,819.03	3/4	3,626.15	3/4	3,392.09	3/4	3,034.66	3/4	2,676.16
9		9		9	4,366.83	9	4,193.58	9	4,007.65	9	3,815.01	9	3,622.13	9	3,384.64	9	3,027.20	9	2,668.68
1/4		1/4		1/4	4,363.92	1/4	4,189.81	1/4	4,003.67	1/4	3,810.99	1/4	3,618.11	1/4	3,377.19	1/4	3,019.74	1/4	2,661.20
1/2		1/2		1/2	4,361.00	1/2	4,186.03	1/2	3,999.69	1/2	3,806.98	1/2	3,614.09	1/2	3,369.74	1/2	3,012.28	1/2	2,653.72
3/4		3/4		3/4	4,358.08	3/4	4,182.26	3/4	3,995.71	3/4	3,802.96	3/4	3,610.07	3/4	3,362.29	3/4	3,004.82	3/4	2,646.23
10		10		10	4,354.55	10	4,178.47	10	3,991.72	10	3,798.94	10	3,606.06	10	3,354.84	10	2,997.36	10	2,638.75
1/4		1/4		1/4	4,351.03	1/4	4,174.68	1/4	3,987.72	1/4	3,794.92	1/4	3,602.04	1/4	3,347.39	1/4	2,989.90	1/4	2,631.27
1/2		1/2		1/2	4,347.50	1/2	4,170.89	1/2	3,983.73	1/2	3,790.90	1/2	3,598.02	1/2	3,339.94	1/2	2,982.44	1/2	2,623.79
3/4		3/4		3/4	4,343.98	3/4	4,167.10	3/4	3,979.73	3/4	3,786.88	3/4	3,594.00	3/4	3,332.49	3/4	2,974.97	3/4	2,616.31
11		11		11	4,340.41	11	4,163.30	11	3,975.72	11	3,782.87	11	3,589.98	11	3,325.04	11	2,967.51	11	2,608.83
1/4		1/4		1/4	4,336.85	1/4	4,159.49	1/4	3,971.71	1/4	3,778.85	1/4	3,585.96	1/4	3,317.59	1/4	2,960.05	1/4	2,601.35
1/2		1/2		1/2	4,333.28	1/2	4,155.69	1/2	3,967.70	1/2	3,774.83	1/2	3,581.95	1/2	3,310.14	1/2	2,952.59	1/2	2,593.86
3/4		3/4		3/4	4,329.72	3/4	4,151.88	3/4	3,963.69	3/4	3,770.81	3/4	3,577.93	3/4	3,302.69	3/4	2,945.13	3/4	2,586.38

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" GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29079"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 312"

GAUGE HEIGHT 17'-02 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	2,578.90	0	2,219.72	0	1,860.51	0	1,501.24	0	1,145.14	0	801.21	0	441.85	0	83.29	0		0	
1/4	2,571.42	1/4	2,212.24	1/4	1,853.02	1/4	1,493.76	1/4	1,137.99	1/4	793.73	1/4	434.36	1/4	76.44	1/4		1/4	
1/2	2,563.93	1/2	2,204.75	1/2	1,845.54	1/2	1,486.28	1/2	1,130.84	1/2	786.24	1/2	426.88	1/2	69.59	1/2		1/2	
3/4	2,556.45	3/4	2,197.27	3/4	1,838.05	3/4	1,478.79	3/4	1,123.69	3/4	778.75	3/4	419.39	3/4	62.74	3/4		3/4	
1	2,548.97	1	2,189.79	1	1,830.57	1	1,471.37	1	1,116.54	1	771.27	1	411.90	1	57.13	1		1	
1/4	2,541.49	1/4	2,182.31	1/4	1,823.08	1/4	1,463.95	1/4	1,109.39	1/4	763.78	1/4	404.42	1/4	51.52	1/4		1/4	
1/2	2,534.00	1/2	2,174.82	1/2	1,815.60	1/2	1,456.52	1/2	1,102.24	1/2	756.29	1/2	396.93	1/2	45.90	1/2		1/2	
3/4	2,526.52	3/4	2,167.34	3/4	1,808.11	3/4	1,449.10	3/4	1,095.09	3/4	748.81	3/4	389.44	3/4	40.29	3/4		3/4	
2	2,519.04	2	2,159.86	2	1,800.63	2	1,441.68	2	1,087.94	2	741.32	2	381.96	2	35.92	2		2	
1/4	2,511.55	1/4	2,152.37	1/4	1,793.14	1/4	1,434.25	1/4	1,080.80	1/4	733.83	1/4	374.47	1/4	31.55	1/4		1/4	
1/2	2,504.07	1/2	2,144.89	1/2	1,785.66	1/2	1,426.83	1/2	1,073.65	1/2	726.35	1/2	366.98	1/2	27.17	1/2		1/2	
3/4	2,496.59	3/4	2,137.41	3/4	1,778.17	3/4	1,419.41	3/4	1,066.50	3/4	718.86	3/4	359.50	3/4	22.80	3/4		3/4	
3	2,489.10	3	2,129.93	3	1,770.69	3	1,411.98	3	1,059.35	3	711.37	3	352.01	3		3		3	
1/4	2,481.62	1/4	2,122.44	1/4	1,763.21	1/4	1,404.56	1/4	1,052.20	1/4	703.89	1/4	344.52	1/4		1/4		1/4	
1/2	2,474.14	1/2	2,114.96	1/2	1,755.72	1/2	1,397.14	1/2	1,045.05	1/2	696.40	1/2	337.04	1/2		1/2		1/2	
3/4	2,466.66	3/4	2,107.48	3/4	1,748.24	3/4	1,389.72	3/4	1,037.90	3/4	688.91	3/4	329.55	3/4		3/4		3/4	
4	2,459.17	4	2,099.99	4	1,740.75	4	1,382.29	4	1,030.75	4	681.43	4	322.06	4		4		4	
1/4	2,451.69	1/4	2,092.51	1/4	1,733.27	1/4	1,374.87	1/4	1,023.60	1/4	673.94	1/4	314.58	1/4		1/4		1/4	
1/2	2,444.21	1/2	2,085.03	1/2	1,725.78	1/2	1,367.45	1/2	1,016.45	1/2	666.45	1/2	307.09	1/2		1/2		1/2	
3/4	2,436.72	3/4	2,077.55	3/4	1,718.30	3/4	1,360.02	3/4	1,009.30	3/4	658.97	3/4	299.60	3/4		3/4		3/4	
5	2,429.24	5	2,070.06	5	1,710.81	5	1,352.60	5	1,002.16	5	651.48	5	292.12	5		5		5	
1/4	2,421.76	1/4	2,062.58	1/4	1,703.33	1/4	1,345.18	1/4	995.01	1/4	643.99	1/4	284.63	1/4		1/4		1/4	
1/2	2,414.28	1/2	2,055.10	1/2	1,695.84	1/2	1,337.76	1/2	987.86	1/2	636.51	1/2	277.14	1/2		1/2		1/2	
3/4	2,406.79	3/4	2,047.61	3/4	1,688.36	3/4	1,330.33	3/4	980.71	3/4	629.02	3/4	269.66	3/4		3/4		3/4	
6	2,399.31	6	2,040.13	6	1,680.88	6	1,322.91	6	973.56	6	621.53	6	262.17	6		6		6	
1/4	2,391.83	1/4	2,032.65	1/4	1,673.39	1/4	1,315.49	1/4	966.41	1/4	614.05	1/4	254.68	1/4		1/4		1/4	
1/2	2,384.34	1/2	2,025.16	1/2	1,665.91	1/2	1,308.06	1/2	959.26	1/2	606.56	1/2	247.20	1/2		1/2		1/2	
3/4	2,376.86	3/4	2,017.68	3/4	1,658.42	3/4	1,300.64	3/4	952.11	3/4	599.07	3/4	239.71	3/4		3/4		3/4	
7	2,369.38	7	2,010.20	7	1,650.94	7	1,293.22	7	944.96	7	591.59	7	232.22	7		7		7	
1/4	2,361.90	1/4	2,002.71	1/4	1,643.45	1/4	1,285.80	1/4	937.81	1/4	584.10	1/4	224.74	1/4		1/4		1/4	
1/2	2,354.41	1/2	1,995.23	1/2	1,635.97	1/2	1,278.37	1/2	930.66	1/2	576.61	1/2	217.25	1/2		1/2		1/2	
3/4	2,346.93	3/4	1,987.74	3/4	1,628.48	3/4	1,270.95	3/4	923.52	3/4	569.13	3/4	209.76	3/4		3/4		3/4	
8	2,339.45	8	1,980.26	8	1,621.00	8	1,263.53	8	916.36	8	561.64	8	202.28	8		8		8	
1/4	2,331.96	1/4	1,972.77	1/4	1,613.51	1/4	1,256.10	1/4	909.21	1/4	554.15	1/4	194.79	1/4		1/4		1/4	
1/2	2,324.48	1/2	1,965.29	1/2	1,606.03	1/2	1,248.68	1/2	902.06	1/2	546.67	1/2	187.30	1/2		1/2		1/2	
3/4	2,317.00	3/4	1,957.81	3/4	1,598.54	3/4	1,241.26	3/4	894.91	3/4	539.18	3/4	179.82	3/4		3/4		3/4	
9	2,309.52	9	1,950.32	9	1,591.06	9	1,233.85	9	887.73	9	531.69	9	172.33	9		9		9	
1/4	2,302.03	1/4	1,942.84	1/4	1,583.58	1/4	1,226.45	1/4	880.56	1/4	524.21	1/4	164.85	1/4		1/4		1/4	
1/2	2,294.55	1/2	1,935.35	1/2	1,576.09	1/2	1,219.04	1/2	873.38	1/2	516.72	1/2	157.36	1/2		1/2		1/2	
3/4	2,287.07	3/4	1,927.87	3/4	1,568.61	3/4	1,211.63	3/4	866.21	3/4	509.23	3/4	149.87	3/4		3/4		3/4	
10	2,279.58	10	1,920.38	10	1,561.12	10	1,204.23	10	859.03	10	501.74	10	142.39	10		10		10	
1/4	2,272.10	1/4	1,912.90	1/4	1,553.64	1/4	1,196.83	1/4	851.86	1/4	494.26	1/4	134.91	1/4		1/4		1/4	
1/2	2,264.62	1/2	1,905.41	1/2	1,546.15	1/2	1,189.42	1/2	844.68	1/2	486.77	1/2	127.43	1/2		1/2		1/2	
3/4	2,257.13	3/4	1,897.93	3/4	1,538.67	3/4	1,182.02	3/4	837.51	3/4	479.28	3/4	119.95	3/4		3/4		3/4	
11	2,249.65	11	1,890.44	11	1,531.18	11	1,174.59	11	830.31	11	471.80	11	112.49	11		11		11	
1/4	2,242.17	1/4	1,882.96	1/4	1,523.70	1/4	1,167.15	1/4	823.10	1/4	464.31	1/4	105.04	1/4		1/4		1/4	
1/2	2,234.69	1/2	1,875.47	1/2	1,516.21	1/2	1,159.72	1/2	815.90	1/2	456.82	1/2	97.59	1/2		1/2		1/2	
3/4	2,227.20	3/4	1,867.99	3/4	1,508.73	3/4	1,152.29	3/4	808.70	3/4	449.34	3/4	90.14	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/09/2013 CL
RECALCULATED: 11/03/2023 JS
VERIFIED: 11/02/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2023

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



BARGE "KIRBY 29079"

PORT SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY: HBC 312

GAUGE HEIGHT 5'-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	967	0	1,935	0	2,902	0	3,833	0	4,709	0		0		0		0	
1/4	20	1/4	988	1/4	1,955	1/4	2,922	1/4	3,852	1/4	4,723	1/4		1/4		1/4		1/4	
1/2	40	1/2	1,008	1/2	1,975	1/2	2,942	1/2	3,870	1/2	4,738	1/2		1/2		1/2		1/2	
3/4	60	3/4	1,028	3/4	1,995	3/4	2,961	3/4	3,889	3/4	4,752	3/4		3/4		3/4		3/4	
1	81	1	1,048	1	2,016	1	2,981	1	3,908	1	4,767	1		1		1		1	
1/4	101	1/4	1,068	1/4	2,036	1/4	3,001	1/4	3,927	1/4	4,769	1/4		1/4		1/4		1/4	
1/2	121	1/2	1,088	1/2	2,056	1/2	3,021	1/2	3,945	1/2		1/2		1/2		1/2		1/2	
3/4	141	3/4	1,109	3/4	2,076	3/4	3,041	3/4	3,964	3/4		3/4		3/4		3/4		3/4	
2	161	2	1,129	2	2,096	2	3,061	2	3,983	2		2		2		2		2	
1/4	181	1/4	1,149	1/4	2,116	1/4	3,080	1/4	4,001	1/4		1/4		1/4		1/4		1/4	
1/2	202	1/2	1,169	1/2	2,136	1/2	3,100	1/2	4,020	1/2		1/2		1/2		1/2		1/2	
3/4	222	3/4	1,189	3/4	2,157	3/4	3,120	3/4	4,038	3/4		3/4		3/4		3/4		3/4	
3	242	3	1,209	3	2,177	3	3,140	3	4,057	3		3		3		3		3	
1/4	262	1/4	1,229	1/4	2,197	1/4	3,159	1/4	4,076	1/4		1/4		1/4		1/4		1/4	
1/2	282	1/2	1,250	1/2	2,217	1/2	3,179	1/2	4,094	1/2		1/2		1/2		1/2		1/2	
3/4	302	3/4	1,270	3/4	2,237	3/4	3,199	3/4	4,113	3/4		3/4		3/4		3/4		3/4	
4	322	4	1,290	4	2,257	4	3,218	4	4,131	4		4		4		4		4	
1/4	343	1/4	1,310	1/4	2,278	1/4	3,238	1/4	4,149	1/4		1/4		1/4		1/4		1/4	
1/2	363	1/2	1,330	1/2	2,298	1/2	3,257	1/2	4,168	1/2		1/2		1/2		1/2		1/2	
3/4	383	3/4	1,350	3/4	2,318	3/4	3,277	3/4	4,186	3/4		3/4		3/4		3/4		3/4	
5	403	5	1,371	5	2,338	5	3,296	5	4,205	5		5		5		5		5	
1/4	423	1/4	1,391	1/4	2,358	1/4	3,316	1/4	4,223	1/4		1/4		1/4		1/4		1/4	
1/2	443	1/2	1,411	1/2	2,378	1/2	3,335	1/2	4,241	1/2		1/2		1/2		1/2		1/2	
3/4	464	3/4	1,431	3/4	2,398	3/4	3,355	3/4	4,259	3/4		3/4		3/4		3/4		3/4	
6	484	6	1,451	6	2,419	6	3,374	6	4,278	6		6		6		6		6	
1/4	504	1/4	1,471	1/4	2,439	1/4	3,394	1/4	4,296	1/4		1/4		1/4		1/4		1/4	
1/2	524	1/2	1,491	1/2	2,459	1/2	3,413	1/2	4,314	1/2		1/2		1/2		1/2		1/2	
3/4	544	3/4	1,512	3/4	2,479	3/4	3,432	3/4	4,332	3/4		3/4		3/4		3/4		3/4	
7	564	7	1,532	7	2,499	7	3,452	7	4,351	7		7		7		7		7	
1/4	584	1/4	1,552	1/4	2,519	1/4	3,471	1/4	4,369	1/4		1/4		1/4		1/4		1/4	
1/2	605	1/2	1,572	1/2	2,540	1/2	3,490	1/2	4,387	1/2		1/2		1/2		1/2		1/2	
3/4	625	3/4	1,592	3/4	2,560	3/4	3,509	3/4	4,405	3/4		3/4		3/4		3/4		3/4	
8	645	8	1,612	8	2,580	8	3,529	8	4,423	8		8		8		8		8	
1/4	665	1/4	1,633	1/4	2,600	1/4	3,548	1/4	4,441	1/4		1/4		1/4		1/4		1/4	
1/2	685	1/2	1,653	1/2	2,620	1/2	3,567	1/2	4,459	1/2		1/2		1/2		1/2		1/2	
3/4	705	3/4	1,673	3/4	2,640	3/4	3,586	3/4	4,477	3/4		3/4		3/4		3/4		3/4	
9	726	9	1,693	9	2,660	9	3,605	9	4,495	9		9		9		9		9	
1/4	746	1/4	1,713	1/4	2,681	1/4	3,624	1/4	4,513	1/4		1/4		1/4		1/4		1/4	
1/2	766	1/2	1,733	1/2	2,701	1/2	3,643	1/2	4,531	1/2		1/2		1/2		1/2		1/2	
3/4	786	3/4	1,753	3/4	2,721	3/4	3,662	3/4	4,549	3/4		3/4		3/4		3/4		3/4	
10	806	10	1,774	10	2,741	10	3,682	10	4,567	10		10		10		10		10	
1/4	826	1/4	1,794	1/4	2,761	1/4	3,700	1/4	4,584	1/4		1/4		1/4		1/4		1/4	
1/2	847	1/2	1,814	1/2	2,781	1/2	3,719	1/2	4,602	1/2		1/2		1/2		1/2		1/2	
3/4	867	3/4	1,834	3/4	2,801	3/4	3,738	3/4	4,620	3/4		3/4		3/4		3/4		3/4	
11	887	11	1,854	11	2,822	11	3,757	11	4,638	11		11		11		11		11	
1/4	907	1/4	1,874	1/4	2,842	1/4	3,776	1/4	4,656	1/4		1/4		1/4		1/4		1/4	
1/2	927	1/2	1,895	1/2	2,862	1/2	3,795	1/2	4,673	1/2		1/2		1/2		1/2		1/2	
3/4	947	3/4	1,915	3/4	2,882	3/4	3,814	3/4	4,691	3/4		3/4		3/4		3/4		3/4	

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 AT GAUGE POINT.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT MANWAY.

STRAPPED: 11/02/2023 JS
 CALCULATED: 11/02/2023 CL
 PRINTED: 11/02/2023 CL

CANCELS AND SUPERCEDES
 ALL PRIOR TO 11/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.

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



BARGE "KIRBY 29079"

STBD SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY: HBC 312

GAUGE HEIGHT 5'-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	964	0	1,928	0	2,891	0	3,818	0	4,691	0		0		0		0	
1/4	20	1/4	984	1/4	1,948	1/4	2,911	1/4	3,837	1/4	4,705	1/4		1/4		1/4		1/4	
1/2	40	1/2	1,004	1/2	1,968	1/2	2,931	1/2	3,856	1/2	4,719	1/2		1/2		1/2		1/2	
3/4	60	3/4	1,024	3/4	1,988	3/4	2,950	3/4	3,874	3/4	4,734	3/4		3/4		3/4		3/4	
1	80	1	1,044	1	2,008	1	2,970	1	3,893	1	4,748	1		1		1		1	
1/4	100	1/4	1,064	1/4	2,028	1/4	2,990	1/4	3,912	1/4	4,751	1/4		1/4		1/4		1/4	
1/2	120	1/2	1,084	1/2	2,048	1/2	3,010	1/2	3,930	1/2		1/2		1/2		1/2		1/2	
3/4	141	3/4	1,104	3/4	2,068	3/4	3,029	3/4	3,949	3/4		3/4		3/4		3/4		3/4	
2	161	2	1,124	2	2,088	2	3,049	2	3,968	2		2		2		2		2	
1/4	181	1/4	1,145	1/4	2,108	1/4	3,069	1/4	3,986	1/4		1/4		1/4		1/4		1/4	
1/2	201	1/2	1,165	1/2	2,128	1/2	3,089	1/2	4,005	1/2		1/2		1/2		1/2		1/2	
3/4	221	3/4	1,185	3/4	2,148	3/4	3,108	3/4	4,023	3/4		3/4		3/4		3/4		3/4	
3	241	3	1,205	3	2,169	3	3,128	3	4,042	3		3		3		3		3	
1/4	261	1/4	1,225	1/4	2,189	1/4	3,147	1/4	4,060	1/4		1/4		1/4		1/4		1/4	
1/2	281	1/2	1,245	1/2	2,209	1/2	3,167	1/2	4,078	1/2		1/2		1/2		1/2		1/2	
3/4	301	3/4	1,265	3/4	2,229	3/4	3,187	3/4	4,097	3/4		3/4		3/4		3/4		3/4	
4	321	4	1,285	4	2,249	4	3,206	4	4,115	4		4		4		4		4	
1/4	341	1/4	1,305	1/4	2,269	1/4	3,226	1/4	4,134	1/4		1/4		1/4		1/4		1/4	
1/2	361	1/2	1,325	1/2	2,289	1/2	3,245	1/2	4,152	1/2		1/2		1/2		1/2		1/2	
3/4	382	3/4	1,345	3/4	2,309	3/4	3,265	3/4	4,170	3/4		3/4		3/4		3/4		3/4	
5	402	5	1,365	5	2,329	5	3,284	5	4,188	5		5		5		5		5	
1/4	422	1/4	1,385	1/4	2,349	1/4	3,303	1/4	4,207	1/4		1/4		1/4		1/4		1/4	
1/2	442	1/2	1,406	1/2	2,369	1/2	3,323	1/2	4,225	1/2		1/2		1/2		1/2		1/2	
3/4	462	3/4	1,426	3/4	2,389	3/4	3,342	3/4	4,243	3/4		3/4		3/4		3/4		3/4	
6	482	6	1,446	6	2,410	6	3,362	6	4,261	6		6		6		6		6	
1/4	502	1/4	1,466	1/4	2,430	1/4	3,381	1/4	4,280	1/4		1/4		1/4		1/4		1/4	
1/2	522	1/2	1,486	1/2	2,450	1/2	3,400	1/2	4,298	1/2		1/2		1/2		1/2		1/2	
3/4	542	3/4	1,506	3/4	2,470	3/4	3,419	3/4	4,316	3/4		3/4		3/4		3/4		3/4	
7	562	7	1,526	7	2,490	7	3,439	7	4,334	7		7		7		7		7	
1/4	582	1/4	1,546	1/4	2,510	1/4	3,458	1/4	4,352	1/4		1/4		1/4		1/4		1/4	
1/2	602	1/2	1,566	1/2	2,530	1/2	3,477	1/2	4,370	1/2		1/2		1/2		1/2		1/2	
3/4	622	3/4	1,586	3/4	2,550	3/4	3,496	3/4	4,388	3/4		3/4		3/4		3/4		3/4	
8	643	8	1,606	8	2,570	8	3,515	8	4,406	8		8		8		8		8	
1/4	663	1/4	1,626	1/4	2,590	1/4	3,534	1/4	4,424	1/4		1/4		1/4		1/4		1/4	
1/2	683	1/2	1,647	1/2	2,610	1/2	3,553	1/2	4,442	1/2		1/2		1/2		1/2		1/2	
3/4	703	3/4	1,667	3/4	2,630	3/4	3,573	3/4	4,460	3/4		3/4		3/4		3/4		3/4	
9	723	9	1,687	9	2,650	9	3,592	9	4,478	9		9		9		9		9	
1/4	743	1/4	1,707	1/4	2,671	1/4	3,611	1/4	4,496	1/4		1/4		1/4		1/4		1/4	
1/2	763	1/2	1,727	1/2	2,691	1/2	3,630	1/2	4,513	1/2		1/2		1/2		1/2		1/2	
3/4	783	3/4	1,747	3/4	2,711	3/4	3,649	3/4	4,531	3/4		3/4		3/4		3/4		3/4	
10	803	10	1,767	10	2,731	10	3,668	10	4,549	10		10		10		10		10	
1/4	823	1/4	1,787	1/4	2,751	1/4	3,686	1/4	4,567	1/4		1/4		1/4		1/4		1/4	
1/2	843	1/2	1,807	1/2	2,771	1/2	3,705	1/2	4,585	1/2		1/2		1/2		1/2		1/2	
3/4	863	3/4	1,827	3/4	2,791	3/4	3,724	3/4	4,602	3/4		3/4		3/4		3/4		3/4	
11	883	11	1,847	11	2,811	11	3,743	11	4,620	11		11		11		11		11	
1/4	904	1/4	1,867	1/4	2,831	1/4	3,762	1/4	4,638	1/4		1/4		1/4		1/4		1/4	
1/2	924	1/2	1,887	1/2	2,851	1/2	3,781	1/2	4,655	1/2		1/2		1/2		1/2		1/2	
3/4	944	3/4	1,908	3/4	2,871	3/4	3,800	3/4	4,673	3/4		3/4		3/4		3/4		3/4	

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CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT MANWAY.

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& ANALYSIS, INC.

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



BARGE "KIRBY 29079"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY: HBC 312

GAUGE HEIGHT 5'-07 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	387	0	774	0	1,161	0	1,548	0	1,935	0		0		0		0	
1/4	8	1/4	395	1/4	782	1/4	1,169	1/4	1,556	1/4	1,943	1/4		1/4		1/4		1/4	
1/2	16	1/2	403	1/2	790	1/2	1,177	1/2	1,564	1/2	1,951	1/2		1/2		1/2		1/2	
3/4	24	3/4	411	3/4	798	3/4	1,185	3/4	1,572	3/4	1,959	3/4		3/4		3/4		3/4	
1	32	1	419	1	806	1	1,193	1	1,580	1	1,967	1		1		1		1	
1/4	40	1/4	427	1/4	814	1/4	1,201	1/4	1,588	1/4	1,973	1/4		1/4		1/4		1/4	
1/2	48	1/2	435	1/2	822	1/2	1,209	1/2	1,596	1/2	1,979	1/2		1/2		1/2		1/2	
3/4	56	3/4	443	3/4	830	3/4	1,217	3/4	1,604	3/4		3/4		3/4		3/4		3/4	
2	64	2	451	2	838	2	1,225	2	1,612	2		2		2		2		2	
1/4	73	1/4	460	1/4	847	1/4	1,234	1/4	1,621	1/4		1/4		1/4		1/4		1/4	
1/2	81	1/2	468	1/2	855	1/2	1,242	1/2	1,629	1/2		1/2		1/2		1/2		1/2	
3/4	89	3/4	476	3/4	863	3/4	1,250	3/4	1,637	3/4		3/4		3/4		3/4		3/4	
3	97	3	484	3	871	3	1,258	3	1,645	3		3		3		3		3	
1/4	105	1/4	492	1/4	879	1/4	1,266	1/4	1,653	1/4		1/4		1/4		1/4		1/4	
1/2	113	1/2	500	1/2	887	1/2	1,274	1/2	1,661	1/2		1/2		1/2		1/2		1/2	
3/4	121	3/4	508	3/4	895	3/4	1,282	3/4	1,669	3/4		3/4		3/4		3/4		3/4	
4	129	4	516	4	903	4	1,290	4	1,677	4		4		4		4		4	
1/4	137	1/4	524	1/4	911	1/4	1,298	1/4	1,685	1/4		1/4		1/4		1/4		1/4	
1/2	145	1/2	532	1/2	919	1/2	1,306	1/2	1,693	1/2		1/2		1/2		1/2		1/2	
3/4	153	3/4	540	3/4	927	3/4	1,314	3/4	1,701	3/4		3/4		3/4		3/4		3/4	
5	161	5	548	5	935	5	1,322	5	1,709	5		5		5		5		5	
1/4	169	1/4	556	1/4	943	1/4	1,330	1/4	1,717	1/4		1/4		1/4		1/4		1/4	
1/2	177	1/2	564	1/2	951	1/2	1,338	1/2	1,725	1/2		1/2		1/2		1/2		1/2	
3/4	185	3/4	572	3/4	959	3/4	1,346	3/4	1,733	3/4		3/4		3/4		3/4		3/4	
6	193	6	580	6	967	6	1,354	6	1,741	6		6		6		6		6	
1/4	202	1/4	589	1/4	976	1/4	1,363	1/4	1,749	1/4		1/4		1/4		1/4		1/4	
1/2	210	1/2	597	1/2	984	1/2	1,371	1/2	1,758	1/2		1/2		1/2		1/2		1/2	
3/4	218	3/4	605	3/4	992	3/4	1,379	3/4	1,766	3/4		3/4		3/4		3/4		3/4	
7	226	7	613	7	1,000	7	1,387	7	1,774	7		7		7		7		7	
1/4	234	1/4	621	1/4	1,008	1/4	1,395	1/4	1,782	1/4		1/4		1/4		1/4		1/4	
1/2	242	1/2	629	1/2	1,016	1/2	1,403	1/2	1,790	1/2		1/2		1/2		1/2		1/2	
3/4	250	3/4	637	3/4	1,024	3/4	1,411	3/4	1,798	3/4		3/4		3/4		3/4		3/4	
8	258	8	645	8	1,032	8	1,419	8	1,806	8		8		8		8		8	
1/4	266	1/4	653	1/4	1,040	1/4	1,427	1/4	1,814	1/4		1/4		1/4		1/4		1/4	
1/2	274	1/2	661	1/2	1,048	1/2	1,435	1/2	1,822	1/2		1/2		1/2		1/2		1/2	
3/4	282	3/4	669	3/4	1,056	3/4	1,443	3/4	1,830	3/4		3/4		3/4		3/4		3/4	
9	290	9	677	9	1,064	9	1,451	9	1,838	9		9		9		9		9	
1/4	298	1/4	685	1/4	1,072	1/4	1,459	1/4	1,846	1/4		1/4		1/4		1/4		1/4	
1/2	306	1/2	693	1/2	1,080	1/2	1,467	1/2	1,854	1/2		1/2		1/2		1/2		1/2	
3/4	314	3/4	701	3/4	1,088	3/4	1,475	3/4	1,862	3/4		3/4		3/4		3/4		3/4	
10	322	10	709	10	1,096	10	1,483	10	1,870	10		10		10		10		10	
1/4	331	1/4	718	1/4	1,105	1/4	1,492	1/4	1,878	1/4		1/4		1/4		1/4		1/4	
1/2	339	1/2	726	1/2	1,113	1/2	1,500	1/2	1,887	1/2		1/2		1/2		1/2		1/2	
3/4	347	3/4	734	3/4	1,121	3/4	1,508	3/4	1,895	3/4		3/4		3/4		3/4		3/4	
11	355	11	742	11	1,129	11	1,516	11	1,903	11		11		11		11		11	
1/4	363	1/4	750	1/4	1,137	1/4	1,524	1/4	1,911	1/4		1/4		1/4		1/4		1/4	
1/2	371	1/2	758	1/2	1,145	1/2	1,532	1/2	1,919	1/2		1/2		1/2		1/2		1/2	
3/4	379	3/4	766	3/4	1,153	3/4	1,540	3/4	1,927	3/4		3/4		3/4		3/4		3/4	

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