



# BARGE "KIRBY 29076"

ULLAGE TRIM TABLE

FORMERLY "HBC 309"

	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	- 00-1/8	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
1 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
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	- 00-0/8	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
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"

October 13, 2023

PRECISION MEASUREMENT  
 & ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 29076"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 309"

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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	5,128.23	0	4,794.08	0	4,440.46	0	4,078.02	0	3,715.58	0	3,353.13	0	2,990.69
1/4		1/4		1/4		1/4	5,121.48	1/4	4,786.90	1/4	4,432.91	1/4	4,070.47	1/4	3,708.03	1/4	3,345.58	1/4	2,983.14
1/2		1/2		1/2		1/2	5,114.73	1/2	4,779.73	1/2	4,425.36	1/2	4,062.92	1/2	3,700.48	1/2	3,338.03	1/2	2,975.59
3/4		3/4		3/4		3/4	5,107.98	3/4	4,772.55	3/4	4,417.81	3/4	4,055.37	3/4	3,692.92	3/4	3,330.48	3/4	2,968.04
1		1		1		1	5,101.23	1	4,765.37	1	4,410.26	1	4,047.82	1	3,685.37	1	3,322.93	1	2,960.49
1/4		1/4		1/4		1/4	5,094.45	1/4	4,758.16	1/4	4,402.71	1/4	4,040.27	1/4	3,677.82	1/4	3,315.38	1/4	2,952.94
1/2		1/2		1/2		1/2	5,087.67	1/2	4,750.95	1/2	4,395.16	1/2	4,032.72	1/2	3,670.27	1/2	3,307.83	1/2	2,945.39
3/4		3/4		3/4		3/4	5,080.89	3/4	4,743.74	3/4	4,387.61	3/4	4,025.16	3/4	3,662.72	3/4	3,300.28	3/4	2,937.83
2		2		2		2	5,074.11	2	4,736.54	2	4,380.06	2	4,017.61	2	3,655.17	2	3,292.73	2	2,930.28
1/4		1/4		1/4		1/4	5,067.30	1/4	4,729.27	1/4	4,372.51	1/4	4,010.06	1/4	3,647.62	1/4	3,285.18	1/4	2,922.73
1/2		1/2		1/2		1/2	5,060.49	1/2	4,722.00	1/2	4,364.96	1/2	4,002.51	1/2	3,640.07	1/2	3,277.63	1/2	2,915.18
3/4		3/4		3/4		3/4	5,053.68	3/4	4,714.73	3/4	4,357.40	3/4	3,994.96	3/4	3,632.52	3/4	3,270.07	3/4	2,907.63
3		3		3		3	5,046.87	3	4,707.47	3	4,349.85	3	3,987.41	3	3,624.97	3	3,262.52	3	2,900.08
1/4		1/4		1/4		1/4	5,040.03	1/4	4,700.17	1/4	4,342.30	1/4	3,979.86	1/4	3,617.42	1/4	3,254.97	1/4	2,892.53
1/2		1/2		1/2		1/2	5,033.19	1/2	4,692.87	1/2	4,334.75	1/2	3,972.31	1/2	3,609.86	1/2	3,247.42	1/2	2,884.98
3/4		3/4		3/4		3/4	5,026.35	3/4	4,685.58	3/4	4,327.20	3/4	3,964.76	3/4	3,602.31	3/4	3,239.87	3/4	2,877.43
4		4		4		4	5,019.51	4	4,678.28	4	4,319.65	4	3,957.21	4	3,594.76	4	3,232.32	4	2,869.88
1/4		1/4		1/4		1/4	5,012.57	1/4	4,670.95	1/4	4,312.10	1/4	3,949.66	1/4	3,587.21	1/4	3,224.77	1/4	2,862.33
1/2		1/2		1/2		1/2	5,005.62	1/2	4,663.62	1/2	4,304.55	1/2	3,942.10	1/2	3,579.66	1/2	3,217.22	1/2	2,854.77
3/4		3/4		3/4		3/4	4,998.68	3/4	4,656.30	3/4	4,297.00	3/4	3,934.55	3/4	3,572.11	3/4	3,209.67	3/4	2,847.22
5		5		5		5	4,991.74	5	4,648.97	5	4,289.45	5	3,927.00	5	3,564.56	5	3,202.12	5	2,839.67
1/4		1/4		1/4		1/4	4,984.77	1/4	4,641.61	1/4	4,281.90	1/4	3,919.45	1/4	3,557.01	1/4	3,194.57	1/4	2,832.12
1/2		1/2		1/2		1/2	4,977.80	1/2	4,634.26	1/2	4,274.34	1/2	3,911.90	1/2	3,549.46	1/2	3,187.01	1/2	2,824.57
3/4		3/4		3/4		3/4	4,970.83	3/4	4,626.90	3/4	4,266.79	3/4	3,904.35	3/4	3,541.91	3/4	3,179.46	3/4	2,817.02
6		6		6		6	4,963.85	6	4,619.54	6	4,259.24	6	3,896.80	6	3,534.36	6	3,171.91	6	2,809.47
1/4		1/4		1/4		1/4	4,956.86	1/4	4,612.16	1/4	4,251.69	1/4	3,889.25	1/4	3,526.81	1/4	3,164.36	1/4	2,801.92
1/2		1/2		1/2		1/2	4,949.86	1/2	4,604.77	1/2	4,244.14	1/2	3,881.70	1/2	3,519.25	1/2	3,156.81	1/2	2,794.37
3/4		3/4		3/4		3/4	4,942.86	3/4	4,597.38	3/4	4,236.59	3/4	3,874.15	3/4	3,511.70	3/4	3,149.26	3/4	2,786.82
7		7		7	5,245.40	7	4,935.86	7	4,590.00	7	4,229.04	7	3,866.60	7	3,504.15	7	3,141.71	7	2,779.27
1/4		1/4		1/4	5,241.07	1/4	4,928.83	1/4	4,582.58	1/4	4,221.49	1/4	3,859.04	1/4	3,496.60	1/4	3,134.16	1/4	2,771.72
1/2		1/2		1/2	5,236.73	1/2	4,921.80	1/2	4,575.16	1/2	4,213.94	1/2	3,851.49	1/2	3,489.05	1/2	3,126.61	1/2	2,764.16
3/4		3/4		3/4	5,232.40	3/4	4,914.77	3/4	4,567.75	3/4	4,206.39	3/4	3,843.94	3/4	3,481.50	3/4	3,119.06	3/4	2,756.61
8		8		8	5,228.07	8	4,907.74	8	4,560.33	8	4,198.84	8	3,836.39	8	3,473.95	8	3,111.51	8	2,749.06
1/4		1/4		1/4	5,222.50	1/4	4,900.68	1/4	4,552.88	1/4	4,191.28	1/4	3,828.84	1/4	3,466.40	1/4	3,103.95	1/4	2,741.51
1/2		1/2		1/2	5,216.94	1/2	4,893.62	1/2	4,545.44	1/2	4,183.73	1/2	3,821.29	1/2	3,458.85	1/2	3,096.40	1/2	2,733.96
3/4		3/4		3/4	5,211.38	3/4	4,886.56	3/4	4,537.99	3/4	4,176.18	3/4	3,813.74	3/4	3,451.30	3/4	3,088.85	3/4	2,726.41
9		9		9	5,205.81	9	4,879.51	9	4,530.55	9	4,168.63	9	3,806.19	9	3,443.75	9	3,081.30	9	2,718.86
1/4		1/4		1/4	5,199.78	1/4	4,872.42	1/4	4,523.07	1/4	4,161.08	1/4	3,798.64	1/4	3,436.19	1/4	3,073.75	1/4	2,711.31
1/2		1/2		1/2	5,193.75	1/2	4,865.33	1/2	4,515.59	1/2	4,153.53	1/2	3,791.09	1/2	3,428.64	1/2	3,066.20	1/2	2,703.76
3/4		3/4		3/4	5,187.72	3/4	4,858.24	3/4	4,508.12	3/4	4,145.98	3/4	3,783.54	3/4	3,421.09	3/4	3,058.65	3/4	2,696.21
10		10		10	5,181.69	10	4,851.15	10	4,500.64	10	4,138.43	10	3,775.98	10	3,413.54	10	3,051.10	10	2,688.66
1/4		1/4		1/4	5,175.04	1/4	4,844.03	1/4	4,493.13	1/4	4,130.88	1/4	3,768.43	1/4	3,405.99	1/4	3,043.55	1/4	2,681.10
1/2		1/2		1/2	5,168.38	1/2	4,836.91	1/2	4,485.63	1/2	4,123.33	1/2	3,760.88	1/2	3,398.44	1/2	3,036.00	1/2	2,673.55
3/4		3/4		3/4	5,161.73	3/4	4,829.80	3/4	4,478.12	3/4	4,115.78	3/4	3,753.33	3/4	3,390.89	3/4	3,028.45	3/4	2,666.00
11		11		11	5,155.07	11	4,822.68	11	4,470.62	11	4,108.22	11	3,745.78	11	3,383.34	11	3,020.89	11	2,658.45
1/4		1/4		1/4	5,148.36	1/4	4,815.53	1/4	4,463.08	1/4	4,100.67	1/4	3,738.23	1/4	3,375.79	1/4	3,013.34	1/4	2,650.90
1/2		1/2		1/2	5,141.65	1/2	4,808.38	1/2	4,455.54	1/2	4,093.12	1/2	3,730.68	1/2	3,368.24	1/2	3,005.79	1/2	2,643.35
3/4		3/4		3/4	5,134.94	3/4	4,801.23	3/4	4,448.00	3/4	4,085.57	3/4	3,723.13	3/4	3,360.69	3/4	2,998.24	3/4	2,635.80

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 29076"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 309"

GAUGE HEIGHT 17'-03"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,628.25	0	2,265.67	0	1,903.09	0	1,540.52	0	1,178.04	0	815.86	0	453.29	0	90.92	0		0	
1/4	2,620.69	1/4	2,258.12	1/4	1,895.54	1/4	1,532.96	1/4	1,170.49	1/4	808.30	1/4	445.74	1/4	84.00	1/4		1/4	
1/2	2,613.14	1/2	2,250.56	1/2	1,887.99	1/2	1,525.41	1/2	1,162.95	1/2	800.75	1/2	438.19	1/2	77.08	1/2		1/2	
3/4	2,605.59	3/4	2,243.01	3/4	1,880.43	3/4	1,517.85	3/4	1,155.41	3/4	793.20	3/4	430.63	3/4	70.15	3/4		3/4	
1	2,598.03	1	2,235.46	1	1,872.88	1	1,510.30	1	1,147.87	1	785.64	1	423.08	1	63.23	1		1	
1/4	2,590.48	1/4	2,227.90	1/4	1,865.32	1/4	1,502.75	1/4	1,140.33	1/4	778.09	1/4	415.53	1/4	57.57	1/4		1/4	
1/2	2,582.93	1/2	2,220.35	1/2	1,857.77	1/2	1,495.19	1/2	1,132.79	1/2	770.54	1/2	407.97	1/2	51.90	1/2		1/2	
3/4	2,575.37	3/4	2,212.79	3/4	1,850.22	3/4	1,487.64	3/4	1,125.25	3/4	762.98	3/4	400.42	3/4	46.24	3/4		3/4	
2	2,567.82	2	2,205.24	2	1,842.66	2	1,480.09	2	1,117.70	2	755.43	2	392.87	2	40.58	2		2	
1/4	2,560.26	1/4	2,197.69	1/4	1,835.11	1/4	1,472.53	1/4	1,110.16	1/4	747.88	1/4	385.31	1/4	36.17	1/4		1/4	
1/2	2,552.71	1/2	2,190.13	1/2	1,827.56	1/2	1,464.98	1/2	1,102.62	1/2	740.32	1/2	377.76	1/2	31.77	1/2		1/2	
3/4	2,545.16	3/4	2,182.58	3/4	1,820.00	3/4	1,457.42	3/4	1,095.08	3/4	732.77	3/4	370.21	3/4	27.36	3/4		3/4	
3	2,537.60	3	2,175.03	3	1,812.45	3	1,449.87	3	1,087.54	3	725.22	3	362.65	3	22.96	3		3	
1/4	2,530.05	1/4	2,167.47	1/4	1,804.89	1/4	1,442.32	1/4	1,080.00	1/4	717.66	1/4	355.10	1/4		1/4		1/4	
1/2	2,522.50	1/2	2,159.92	1/2	1,797.34	1/2	1,434.76	1/2	1,072.46	1/2	710.11	1/2	347.55	1/2		1/2		1/2	
3/4	2,514.94	3/4	2,152.36	3/4	1,789.79	3/4	1,427.21	3/4	1,064.91	3/4	702.56	3/4	339.99	3/4		3/4		3/4	
4	2,507.39	4	2,144.81	4	1,782.23	4	1,419.66	4	1,057.37	4	695.00	4	332.44	4		4		4	
1/4	2,499.84	1/4	2,137.26	1/4	1,774.68	1/4	1,412.10	1/4	1,049.83	1/4	687.45	1/4	324.89	1/4		1/4		1/4	
1/2	2,492.28	1/2	2,129.70	1/2	1,767.13	1/2	1,404.55	1/2	1,042.29	1/2	679.90	1/2	317.33	1/2		1/2		1/2	
3/4	2,484.73	3/4	2,122.15	3/4	1,759.57	3/4	1,396.99	3/4	1,034.75	3/4	672.34	3/4	309.78	3/4		3/4		3/4	
5	2,477.17	5	2,114.60	5	1,752.02	5	1,389.44	5	1,027.21	5	664.79	5	302.23	5		5		5	
1/4	2,469.62	1/4	2,107.04	1/4	1,744.47	1/4	1,381.89	1/4	1,019.67	1/4	657.24	1/4	294.67	1/4		1/4		1/4	
1/2	2,462.07	1/2	2,099.49	1/2	1,736.91	1/2	1,374.33	1/2	1,012.13	1/2	649.68	1/2	287.12	1/2		1/2		1/2	
3/4	2,454.51	3/4	2,091.94	3/4	1,729.36	3/4	1,366.78	3/4	1,004.58	3/4	642.13	3/4	279.57	3/4		3/4		3/4	
6	2,446.96	6	2,084.38	6	1,721.80	6	1,359.23	6	997.04	6	634.58	6	272.01	6		6		6	
1/4	2,439.41	1/4	2,076.83	1/4	1,714.25	1/4	1,351.67	1/4	989.50	1/4	627.02	1/4	264.46	1/4		1/4		1/4	
1/2	2,431.85	1/2	2,069.27	1/2	1,706.70	1/2	1,344.12	1/2	981.96	1/2	619.47	1/2	256.91	1/2		1/2		1/2	
3/4	2,424.30	3/4	2,061.72	3/4	1,699.14	3/4	1,336.57	3/4	974.42	3/4	611.91	3/4	249.35	3/4		3/4		3/4	
7	2,416.74	7	2,054.17	7	1,691.59	7	1,329.01	7	966.88	7	604.36	7	241.80	7		7		7	
1/4	2,409.19	1/4	2,046.61	1/4	1,684.04	1/4	1,321.46	1/4	959.34	1/4	596.81	1/4	234.24	1/4		1/4		1/4	
1/2	2,401.64	1/2	2,039.06	1/2	1,676.48	1/2	1,313.90	1/2	951.79	1/2	589.25	1/2	226.69	1/2		1/2		1/2	
3/4	2,394.08	3/4	2,031.51	3/4	1,668.93	3/4	1,306.35	3/4	944.25	3/4	581.70	3/4	219.14	3/4		3/4		3/4	
8	2,386.53	8	2,023.95	8	1,661.37	8	1,298.80	8	936.71	8	574.15	8	211.58	8		8		8	
1/4	2,378.98	1/4	2,016.40	1/4	1,653.82	1/4	1,291.24	1/4	929.16	1/4	566.59	1/4	204.03	1/4		1/4		1/4	
1/2	2,371.42	1/2	2,008.84	1/2	1,646.27	1/2	1,283.69	1/2	921.60	1/2	559.04	1/2	196.48	1/2		1/2		1/2	
3/4	2,363.87	3/4	2,001.29	3/4	1,638.71	3/4	1,276.14	3/4	914.05	3/4	551.49	3/4	188.92	3/4		3/4		3/4	
9	2,356.31	9	1,993.74	9	1,631.16	9	1,268.58	9	906.50	9	543.93	9	181.37	9		9		9	
1/4	2,348.76	1/4	1,986.18	1/4	1,623.61	1/4	1,261.03	1/4	898.94	1/4	536.38	1/4	173.82	1/4		1/4		1/4	
1/2	2,341.21	1/2	1,978.63	1/2	1,616.05	1/2	1,253.47	1/2	891.39	1/2	528.83	1/2	166.27	1/2		1/2		1/2	
3/4	2,333.65	3/4	1,971.08	3/4	1,608.50	3/4	1,245.92	3/4	883.84	3/4	521.27	3/4	158.71	3/4		3/4		3/4	
10	2,326.10	10	1,963.52	10	1,600.94	10	1,238.37	10	876.28	10	513.72	10	151.16	10		10		10	
1/4	2,318.55	1/4	1,955.97	1/4	1,593.39	1/4	1,230.83	1/4	868.73	1/4	506.17	1/4	143.62	1/4		1/4		1/4	
1/2	2,310.99	1/2	1,948.41	1/2	1,585.84	1/2	1,223.28	1/2	861.18	1/2	498.61	1/2	136.08	1/2		1/2		1/2	
3/4	2,303.44	3/4	1,940.86	3/4	1,578.28	3/4	1,215.74	3/4	853.62	3/4	491.06	3/4	128.53	3/4		3/4		3/4	
11	2,295.89	11	1,933.31	11	1,570.73	11	1,208.20	11	846.07	11	483.51	11	120.99	11		11		11	
1/4	2,288.33	1/4	1,925.75	1/4	1,563.18	1/4	1,200.66	1/4	838.52	1/4	475.95	1/4	113.47	1/4		1/4		1/4	
1/2	2,280.78	1/2	1,918.20	1/2	1,555.62	1/2	1,193.12	1/2	830.96	1/2	468.40	1/2	105.96	1/2		1/2		1/2	
3/4	2,273.22	3/4	1,910.65	3/4	1,548.07	3/4	1,185.58	3/4	823.41	3/4	460.85	3/4	98.44	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2013 CL  
NAME CHANGE: 10/13/2023 JS  
VERIFIED: 10/13/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2023

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



# BARGE "KIRBY 29076"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 309"

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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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				

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 29076"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 309"

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: 08/08/2013 CL  
NAME CHANGE: 10/13/2023 JS  
VERIFIED: 10/13/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2023

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "KIRBY 29076"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 309"

GAUGE HEIGHT 17'-02 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	5,098.20	0	4,764.26	0	4,411.05	0	4,049.78	0	3,688.50	0	3,327.23	0	2,965.96
1/4		1/4		1/4		1/4	5,091.47	1/4	4,757.11	1/4	4,403.52	1/4	4,042.25	1/4	3,680.98	1/4	3,319.71	1/4	2,958.43
1/2		1/2		1/2		1/2	5,084.75	1/2	4,749.95	1/2	4,396.00	1/2	4,034.72	1/2	3,673.45	1/2	3,312.18	1/2	2,950.91
3/4		3/4		3/4		3/4	5,077.99	3/4	4,742.77	3/4	4,388.47	3/4	4,027.20	3/4	3,665.93	3/4	3,304.65	3/4	2,943.38
1		1		1		1	5,071.23	1	4,735.58	1	4,380.94	1	4,019.67	1	3,658.40	1	3,297.13	1	2,935.85
1/4		1/4		1/4		1/4	5,064.47	1/4	4,728.40	1/4	4,373.42	1/4	4,012.14	1/4	3,650.87	1/4	3,289.60	1/4	2,928.33
1/2		1/2		1/2		1/2	5,057.71	1/2	4,721.21	1/2	4,365.89	1/2	4,004.62	1/2	3,643.35	1/2	3,282.07	1/2	2,920.80
3/4		3/4		3/4		3/4	5,050.92	3/4	4,713.97	3/4	4,358.36	3/4	3,997.09	3/4	3,635.82	3/4	3,274.55	3/4	2,913.28
2		2		2		2	5,044.13	2	4,706.72	2	4,350.84	2	3,989.56	2	3,628.29	2	3,267.02	2	2,905.75
1/4		1/4		1/4		1/4	5,037.34	1/4	4,699.48	1/4	4,343.31	1/4	3,982.04	1/4	3,620.77	1/4	3,259.49	1/4	2,898.22
1/2		1/2		1/2		1/2	5,030.55	1/2	4,692.24	1/2	4,335.78	1/2	3,974.51	1/2	3,613.24	1/2	3,251.97	1/2	2,890.70
3/4		3/4		3/4		3/4	5,023.74	3/4	4,684.96	3/4	4,328.26	3/4	3,966.99	3/4	3,605.71	3/4	3,244.44	3/4	2,883.17
3		3		3		3	5,016.92	3	4,677.69	3	4,320.73	3	3,959.46	3	3,598.19	3	3,236.91	3	2,875.64
1/4		1/4		1/4		1/4	5,010.10	1/4	4,670.41	1/4	4,313.20	1/4	3,951.93	1/4	3,590.66	1/4	3,229.39	1/4	2,868.12
1/2		1/2		1/2		1/2	5,003.28	1/2	4,663.14	1/2	4,305.68	1/2	3,944.41	1/2	3,583.13	1/2	3,221.86	1/2	2,860.59
3/4		3/4		3/4		3/4	4,996.36	3/4	4,655.84	3/4	4,298.15	3/4	3,936.88	3/4	3,575.61	3/4	3,214.34	3/4	2,853.06
4		4		4		4	4,989.44	4	4,648.53	4	4,290.62	4	3,929.35	4	3,568.08	4	3,206.81	4	2,845.54
1/4		1/4		1/4		1/4	4,982.52	1/4	4,641.23	1/4	4,283.10	1/4	3,921.83	1/4	3,560.55	1/4	3,199.28	1/4	2,838.01
1/2		1/2		1/2		1/2	4,975.60	1/2	4,633.93	1/2	4,275.57	1/2	3,914.30	1/2	3,553.03	1/2	3,191.76	1/2	2,830.48
3/4		3/4		3/4		3/4	4,968.65	3/4	4,626.59	3/4	4,268.05	3/4	3,906.77	3/4	3,545.50	3/4	3,184.23	3/4	2,822.96
5		5		5		5	4,961.70	5	4,619.26	5	4,260.52	5	3,899.25	5	3,537.97	5	3,176.70	5	2,815.43
1/4		1/4		1/4		1/4	4,954.75	1/4	4,611.93	1/4	4,252.99	1/4	3,891.72	1/4	3,530.45	1/4	3,169.18	1/4	2,807.90
1/2		1/2		1/2		1/2	4,947.80	1/2	4,604.59	1/2	4,245.47	1/2	3,884.19	1/2	3,522.92	1/2	3,161.65	1/2	2,800.38
3/4		3/4		3/4		3/4	4,940.83	3/4	4,597.23	3/4	4,237.94	3/4	3,876.67	3/4	3,515.40	3/4	3,154.12	3/4	2,792.85
6		6		6		6	4,933.85	6	4,589.87	6	4,230.41	6	3,869.14	6	3,507.87	6	3,146.60	6	2,785.32
1/4		1/4		1/4		1/4	4,926.87	1/4	4,582.51	1/4	4,222.89	1/4	3,861.61	1/4	3,500.34	1/4	3,139.07	1/4	2,777.80
1/2		1/2		1/2	5,228.45	1/2	4,919.90	1/2	4,575.14	1/2	4,215.36	1/2	3,854.09	1/2	3,492.82	1/2	3,131.54	1/2	2,770.27
3/4		3/4		3/4	5,224.13	3/4	4,912.89	3/4	4,567.75	3/4	4,207.83	3/4	3,846.56	3/4	3,485.29	3/4	3,124.02	3/4	2,762.75
7		7		7	5,219.81	7	4,905.88	7	4,560.36	7	4,200.31	7	3,839.03	7	3,477.76	7	3,116.49	7	2,755.22
1/4		1/4		1/4	5,215.49	1/4	4,898.88	1/4	4,552.96	1/4	4,192.78	1/4	3,831.51	1/4	3,470.24	1/4	3,108.96	1/4	2,747.69
1/2		1/2		1/2	5,211.17	1/2	4,891.87	1/2	4,545.57	1/2	4,185.25	1/2	3,823.98	1/2	3,462.71	1/2	3,101.44	1/2	2,740.17
3/4		3/4		3/4	5,205.63	3/4	4,884.83	3/4	4,538.15	3/4	4,177.73	3/4	3,816.46	3/4	3,455.18	3/4	3,093.91	3/4	2,732.64
8		8		8	5,200.08	8	4,877.80	8	4,530.73	8	4,170.20	8	3,808.93	8	3,447.66	8	3,086.38	8	2,725.11
1/4		1/4		1/4	5,194.54	1/4	4,870.76	1/4	4,523.31	1/4	4,162.67	1/4	3,801.40	1/4	3,440.13	1/4	3,078.86	1/4	2,717.59
1/2		1/2		1/2	5,188.99	1/2	4,863.72	1/2	4,515.88	1/2	4,155.15	1/2	3,793.88	1/2	3,432.60	1/2	3,071.33	1/2	2,710.06
3/4		3/4		3/4	5,182.98	3/4	4,856.66	3/4	4,508.43	3/4	4,147.62	3/4	3,786.35	3/4	3,425.08	3/4	3,063.81	3/4	2,702.53
9		9		9	5,176.97	9	4,849.59	9	4,500.98	9	4,140.09	9	3,778.82	9	3,417.55	9	3,056.28	9	2,695.01
1/4		1/4		1/4	5,170.96	1/4	4,842.52	1/4	4,493.53	1/4	4,132.57	1/4	3,771.30	1/4	3,410.02	1/4	3,048.75	1/4	2,687.48
1/2		1/2		1/2	5,164.95	1/2	4,835.46	1/2	4,486.07	1/2	4,125.04	1/2	3,763.77	1/2	3,402.50	1/2	3,041.23	1/2	2,679.95
3/4		3/4		3/4	5,158.32	3/4	4,828.36	3/4	4,478.59	3/4	4,117.52	3/4	3,756.24	3/4	3,394.97	3/4	3,033.70	3/4	2,672.43
10		10		10	5,151.68	10	4,821.27	10	4,471.11	10	4,109.99	10	3,748.72	10	3,387.44	10	3,026.17	10	2,664.90
1/4		1/4		1/4	5,145.05	1/4	4,814.17	1/4	4,463.63	1/4	4,102.46	1/4	3,741.19	1/4	3,379.92	1/4	3,018.65	1/4	2,657.37
1/2		1/2		1/2	5,138.41	1/2	4,807.08	1/2	4,456.15	1/2	4,094.94	1/2	3,733.66	1/2	3,372.39	1/2	3,011.12	1/2	2,649.85
3/4		3/4		3/4	5,131.73	3/4	4,799.95	3/4	4,448.64	3/4	4,087.41	3/4	3,726.14	3/4	3,364.87	3/4	3,003.59	3/4	2,642.32
11		11		11	5,125.04	11	4,792.82	11	4,441.12	11	4,079.88	11	3,718.61	11	3,357.34	11	2,996.07	11	2,634.79
1/4		1/4		1/4	5,118.35	1/4	4,785.70	1/4	4,433.61	1/4	4,072.36	1/4	3,711.08	1/4	3,349.81	1/4	2,988.54	1/4	2,627.27
1/2		1/2		1/2	5,111.66	1/2	4,778.57	1/2	4,426.10	1/2	4,064.83	1/2	3,703.56	1/2	3,342.29	1/2	2,981.01	1/2	2,619.74
3/4		3/4		3/4	5,104.93	3/4	4,771.42	3/4	4,418.58	3/4	4,057.30	3/4	3,696.03	3/4	3,334.76	3/4	2,973.49	3/4	2,612.21

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 29076"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 309"

GAUGE HEIGHT 17'-02 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	2,604.68	0	2,243.28	0	1,881.88	0	1,520.48	0	1,159.20	0	798.17	0	436.78	0	76.84	0		0	
1/4	2,597.15	1/4	2,235.75	1/4	1,874.35	1/4	1,512.95	1/4	1,151.68	1/4	790.64	1/4	429.25	1/4	69.94	1/4		1/4	
1/2	2,589.62	1/2	2,228.22	1/2	1,866.82	1/2	1,505.42	1/2	1,144.17	1/2	783.11	1/2	421.72	1/2	63.04	1/2		1/2	
3/4	2,582.10	3/4	2,220.69	3/4	1,859.29	3/4	1,497.89	3/4	1,136.65	3/4	775.58	3/4	414.19	3/4	57.39	3/4		3/4	
1	2,574.57	1	2,213.16	1	1,851.76	1	1,490.36	1	1,129.13	1	768.05	1	406.66	1	51.74	1		1	
1/4	2,567.04	1/4	2,205.64	1/4	1,844.23	1/4	1,482.83	1/4	1,121.62	1/4	760.53	1/4	399.13	1/4	46.10	1/4		1/4	
1/2	2,559.51	1/2	2,198.11	1/2	1,836.70	1/2	1,475.30	1/2	1,114.10	1/2	753.00	1/2	391.60	1/2	40.45	1/2		1/2	
3/4	2,551.98	3/4	2,190.58	3/4	1,829.18	3/4	1,467.77	3/4	1,106.58	3/4	745.47	3/4	384.08	3/4	36.06	3/4		3/4	
2	2,544.45	2	2,183.05	2	1,821.65	2	1,460.24	2	1,099.06	2	737.94	2	376.55	2	31.67	2		2	
1/4	2,536.92	1/4	2,175.52	1/4	1,814.12	1/4	1,452.72	1/4	1,091.55	1/4	730.41	1/4	369.02	1/4	27.28	1/4		1/4	
1/2	2,529.39	1/2	2,167.99	1/2	1,806.59	1/2	1,445.19	1/2	1,084.03	1/2	722.88	1/2	361.49	1/2	22.89	1/2		1/2	
3/4	2,521.86	3/4	2,160.46	3/4	1,799.06	3/4	1,437.66	3/4	1,076.51	3/4	715.35	3/4	353.96	3/4		3/4		3/4	
3	2,514.33	3	2,152.93	3	1,791.53	3	1,430.13	3	1,069.00	3	707.82	3	346.43	3		3		3	
1/4	2,506.80	1/4	2,145.40	1/4	1,784.00	1/4	1,422.60	1/4	1,061.48	1/4	700.29	1/4	338.90	1/4		1/4		1/4	
1/2	2,499.27	1/2	2,137.87	1/2	1,776.47	1/2	1,415.07	1/2	1,053.96	1/2	692.76	1/2	331.37	1/2		1/2		1/2	
3/4	2,491.75	3/4	2,130.34	3/4	1,768.94	3/4	1,407.54	3/4	1,046.45	3/4	685.24	3/4	323.84	3/4		3/4		3/4	
4	2,484.22	4	2,122.81	4	1,761.41	4	1,400.01	4	1,038.93	4	677.71	4	316.31	4		4		4	
1/4	2,476.69	1/4	2,115.29	1/4	1,753.88	1/4	1,392.48	1/4	1,031.41	1/4	670.18	1/4	308.79	1/4		1/4		1/4	
1/2	2,469.16	1/2	2,107.76	1/2	1,746.35	1/2	1,384.95	1/2	1,023.90	1/2	662.65	1/2	301.26	1/2		1/2		1/2	
3/4	2,461.63	3/4	2,100.23	3/4	1,738.83	3/4	1,377.42	3/4	1,016.38	3/4	655.12	3/4	293.73	3/4		3/4		3/4	
5	2,454.10	5	2,092.70	5	1,731.30	5	1,369.89	5	1,008.86	5	647.59	5	286.20	5		5		5	
1/4	2,446.57	1/4	2,085.17	1/4	1,723.77	1/4	1,362.37	1/4	1,001.34	1/4	640.06	1/4	278.67	1/4		1/4		1/4	
1/2	2,439.04	1/2	2,077.64	1/2	1,716.24	1/2	1,354.84	1/2	993.83	1/2	632.53	1/2	271.14	1/2		1/2		1/2	
3/4	2,431.51	3/4	2,070.11	3/4	1,708.71	3/4	1,347.31	3/4	986.31	3/4	625.00	3/4	263.61	3/4		3/4		3/4	
6	2,423.98	6	2,062.58	6	1,701.18	6	1,339.78	6	978.79	6	617.47	6	256.08	6		6		6	
1/4	2,416.45	1/4	2,055.05	1/4	1,693.65	1/4	1,332.25	1/4	971.28	1/4	609.95	1/4	248.55	1/4		1/4		1/4	
1/2	2,408.92	1/2	2,047.52	1/2	1,686.12	1/2	1,324.72	1/2	963.76	1/2	602.42	1/2	241.02	1/2		1/2		1/2	
3/4	2,401.39	3/4	2,039.99	3/4	1,678.59	3/4	1,317.19	3/4	956.24	3/4	594.89	3/4	233.50	3/4		3/4		3/4	
7	2,393.87	7	2,032.46	7	1,671.06	7	1,309.66	7	948.73	7	587.36	7	225.97	7		7		7	
1/4	2,386.34	1/4	2,024.93	1/4	1,663.53	1/4	1,302.13	1/4	941.21	1/4	579.83	1/4	218.44	1/4		1/4		1/4	
1/2	2,378.81	1/2	2,017.41	1/2	1,656.00	1/2	1,294.60	1/2	933.69	1/2	572.30	1/2	210.91	1/2		1/2		1/2	
3/4	2,371.28	3/4	2,009.88	3/4	1,648.47	3/4	1,287.07	3/4	926.16	3/4	564.77	3/4	203.38	3/4		3/4		3/4	
8	2,363.75	8	2,002.35	8	1,640.95	8	1,279.54	8	918.63	8	557.24	8	195.85	8		8		8	
1/4	2,356.22	1/4	1,994.82	1/4	1,633.42	1/4	1,272.01	1/4	911.11	1/4	549.71	1/4	188.32	1/4		1/4		1/4	
1/2	2,348.69	1/2	1,987.29	1/2	1,625.89	1/2	1,264.49	1/2	903.58	1/2	542.18	1/2	180.79	1/2		1/2		1/2	
3/4	2,341.16	3/4	1,979.76	3/4	1,618.36	3/4	1,256.96	3/4	896.05	3/4	534.66	3/4	173.27	3/4		3/4		3/4	
9	2,333.63	9	1,972.23	9	1,610.83	9	1,249.43	9	888.52	9	527.13	9	165.74	9		9		9	
1/4	2,326.10	1/4	1,964.70	1/4	1,603.30	1/4	1,241.90	1/4	880.99	1/4	519.60	1/4	158.21	1/4		1/4		1/4	
1/2	2,318.57	1/2	1,957.17	1/2	1,595.77	1/2	1,234.37	1/2	873.46	1/2	512.07	1/2	150.68	1/2		1/2		1/2	
3/4	2,311.04	3/4	1,949.64	3/4	1,588.24	3/4	1,226.85	3/4	865.93	3/4	504.54	3/4	143.16	3/4		3/4		3/4	
10	2,303.52	10	1,942.11	10	1,580.71	10	1,219.34	10	858.40	10	497.01	10	135.64	10		10		10	
1/4	2,295.99	1/4	1,934.58	1/4	1,573.18	1/4	1,211.82	1/4	850.87	1/4	489.48	1/4	128.13	1/4		1/4		1/4	
1/2	2,288.46	1/2	1,927.06	1/2	1,565.65	1/2	1,204.30	1/2	843.34	1/2	481.95	1/2	120.61	1/2		1/2		1/2	
3/4	2,280.93	3/4	1,919.53	3/4	1,558.12	3/4	1,196.78	3/4	835.82	3/4	474.42	3/4	113.11	3/4		3/4		3/4	
11	2,273.40	11	1,912.00	11	1,550.60	11	1,189.27	11	828.29	11	466.89	11	105.62	11		11		11	
1/4	2,265.87	1/4	1,904.47	1/4	1,543.07	1/4	1,181.75	1/4	820.76	1/4	459.37	1/4	98.13	1/4		1/4		1/4	
1/2	2,258.34	1/2	1,896.94	1/2	1,535.54	1/2	1,174.23	1/2	813.23	1/2	451.84	1/2	90.63	1/2		1/2		1/2	
3/4	2,250.81	3/4	1,889.41	3/4	1,528.01	3/4	1,166.72	3/4	805.70	3/4	444.31	3/4	83.74	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2013 CL  
NAME CHANGE: 10/13/2023 JS  
VERIFIED: 10/13/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2023

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



# BARGE "KIRBY 29076"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 309"

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
							5,089.65		4,756.10		4,403.23		4,041.91		3,680.60		3,319.28		2,957.97
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,082.92	1/4	4,748.94	1/4	4,395.70	1/4	4,034.38	1/4	3,673.07	1/4	3,311.75	1/4	2,950.44
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,076.20	1/2	4,741.79	1/2	4,388.17	1/2	4,026.86	1/2	3,665.54	1/2	3,304.23	1/2	2,942.91
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,069.47	3/4	4,734.63	3/4	4,380.64	3/4	4,019.33	3/4	3,658.01	3/4	3,296.70	3/4	2,935.38
<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>5,062.71</b>	<b>1</b>	<b>4,727.44</b>	<b>1</b>	<b>4,373.12</b>	<b>1</b>	<b>4,011.80</b>	<b>1</b>	<b>3,650.49</b>	<b>1</b>	<b>3,289.17</b>	<b>1</b>	<b>2,927.86</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,055.95	1/4	4,720.26	1/4	4,365.59	1/4	4,004.27	1/4	3,642.96	1/4	3,281.64	1/4	2,920.33
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,049.19	1/2	4,713.07	1/2	4,358.06	1/2	3,996.75	1/2	3,635.43	1/2	3,274.12	1/2	2,912.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,042.43	3/4	4,705.89	3/4	4,350.53	3/4	3,989.22	3/4	3,627.90	3/4	3,266.59	3/4	2,905.27
<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>5,035.64</b>	<b>2</b>	<b>4,698.64</b>	<b>2</b>	<b>4,343.01</b>	<b>2</b>	<b>3,981.69</b>	<b>2</b>	<b>3,620.38</b>	<b>2</b>	<b>3,259.06</b>	<b>2</b>	<b>2,897.75</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,028.85	1/4	4,691.40	1/4	4,335.48	1/4	3,974.16	1/4	3,612.85	1/4	3,251.53	1/4	2,890.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,022.06	1/2	4,684.15	1/2	4,327.95	1/2	3,966.64	1/2	3,605.32	1/2	3,244.01	1/2	2,882.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,015.27	3/4	4,676.91	3/4	4,320.42	3/4	3,959.11	3/4	3,597.79	3/4	3,236.48	3/4	2,875.16
<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>5,008.45</b>	<b>3</b>	<b>4,669.63</b>	<b>3</b>	<b>4,312.90</b>	<b>3</b>	<b>3,951.58</b>	<b>3</b>	<b>3,590.27</b>	<b>3</b>	<b>3,228.95</b>	<b>3</b>	<b>2,867.64</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,001.63	1/4	4,662.36	1/4	4,305.37	1/4	3,944.05	1/4	3,582.74	1/4	3,221.42	1/4	2,860.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,994.81	1/2	4,655.08	1/2	4,297.84	1/2	3,936.53	1/2	3,575.21	1/2	3,213.90	1/2	2,852.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,987.99	3/4	4,647.81	3/4	4,290.31	3/4	3,929.00	3/4	3,567.68	3/4	3,206.37	3/4	2,845.05
<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4,981.07</b>	<b>4</b>	<b>4,640.50</b>	<b>4</b>	<b>4,282.79</b>	<b>4</b>	<b>3,921.47</b>	<b>4</b>	<b>3,560.16</b>	<b>4</b>	<b>3,198.84</b>	<b>4</b>	<b>2,837.53</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,974.15	1/4	4,633.20	1/4	4,275.26	1/4	3,913.94	1/4	3,552.63	1/4	3,191.31	1/4	2,830.00
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,967.23	1/2	4,625.90	1/2	4,267.73	1/2	3,906.42	1/2	3,545.10	1/2	3,183.79	1/2	2,822.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,960.31	3/4	4,618.59	3/4	4,260.21	3/4	3,898.89	3/4	3,537.57	3/4	3,176.26	3/4	2,814.94
<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>4,953.36</b>	<b>5</b>	<b>4,611.26</b>	<b>5</b>	<b>4,252.68</b>	<b>5</b>	<b>3,891.36</b>	<b>5</b>	<b>3,530.05</b>	<b>5</b>	<b>3,168.73</b>	<b>5</b>	<b>2,807.42</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,946.41	1/4	4,603.92	1/4	4,245.15	1/4	3,883.84	1/4	3,522.52	1/4	3,161.20	1/4	2,799.89
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,939.46	1/2	4,596.59	1/2	4,237.62	1/2	3,876.31	1/2	3,514.99	1/2	3,153.68	1/2	2,792.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,932.51	3/4	4,589.25	3/4	4,230.10	3/4	3,868.78	3/4	3,507.47	3/4	3,146.15	3/4	2,784.83
<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>4,925.53</b>	<b>6</b>	<b>4,581.89</b>	<b>6</b>	<b>4,222.57</b>	<b>6</b>	<b>3,861.25</b>	<b>6</b>	<b>3,499.94</b>	<b>6</b>	<b>3,138.62</b>	<b>6</b>	<b>2,777.31</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,918.55	1/4	4,574.53	1/4	4,215.04	1/4	3,853.73	1/4	3,492.41	1/4	3,131.10	1/4	2,769.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,911.57	1/2	4,567.16	1/2	4,207.51	1/2	3,846.20	1/2	3,484.88	1/2	3,123.57	1/2	2,762.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,213.19	3/4	4,904.59	3/4	4,559.80	3/4	4,199.99	3/4	3,838.67	3/4	3,477.36	3/4	3,116.04
<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>5,208.87</b>	<b>7</b>	<b>4,897.59</b>	<b>7</b>	<b>4,552.41</b>	<b>7</b>	<b>4,192.46</b>	<b>7</b>	<b>3,831.14</b>	<b>7</b>	<b>3,469.83</b>	<b>7</b>	<b>3,108.51</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,204.55	1/4	4,890.58	1/4	4,545.01	1/4	4,184.93	1/4	3,823.62	1/4	3,462.30	1/4	3,100.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,200.23	1/2	4,883.57	1/2	4,537.62	1/2	4,177.40	1/2	3,816.09	1/2	3,454.77	1/2	3,093.46
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,195.91	3/4	4,876.56	3/4	4,530.23	3/4	4,169.88	3/4	3,808.56	3/4	3,447.25	3/4	3,085.93
<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>5,190.37</b>	<b>8</b>	<b>4,869.53</b>	<b>8</b>	<b>4,522.80</b>	<b>8</b>	<b>4,162.35</b>	<b>8</b>	<b>3,801.03</b>	<b>8</b>	<b>3,439.72</b>	<b>8</b>	<b>3,078.40</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,184.82	1/4	4,862.49	1/4	4,515.38	1/4	4,154.82	1/4	3,793.51	1/4	3,432.19	1/4	3,070.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,179.27	1/2	4,855.45	1/2	4,507.96	1/2	4,147.29	1/2	3,785.98	1/2	3,424.66	1/2	3,063.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,173.73	3/4	4,848.42	3/4	4,500.53	3/4	4,139.77	3/4	3,778.45	3/4	3,417.14	3/4	3,055.82
<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>5,167.72</b>	<b>9</b>	<b>4,841.35</b>	<b>9</b>	<b>4,493.08</b>	<b>9</b>	<b>4,132.24</b>	<b>9</b>	<b>3,770.92</b>	<b>9</b>	<b>3,409.61</b>	<b>9</b>	<b>3,048.29</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,161.70	1/4	4,834.28	1/4	4,485.63	1/4	4,124.71	1/4	3,763.40	1/4	3,402.08	1/4	3,040.77
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,155.69	1/2	4,827.21	1/2	4,478.17	1/2	4,117.18	1/2	3,755.87	1/2	3,394.55	1/2	3,033.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,149.68	3/4	4,820.15	3/4	4,470.72	3/4	4,109.66	3/4	3,748.34	3/4	3,387.03	3/4	3,025.71
<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>5,143.05</b>	<b>10</b>	<b>4,813.05</b>	<b>10</b>	<b>4,463.24</b>	<b>10</b>	<b>4,102.13</b>	<b>10</b>	<b>3,740.81</b>	<b>10</b>	<b>3,379.50</b>	<b>10</b>	<b>3,018.18</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,136.41	1/4	4,805.95	1/4	4,455.75	1/4	4,094.60	1/4	3,733.29	1/4	3,371.97	1/4	3,010.66
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,129.78	1/2	4,798.86	1/2	4,448.27	1/2	4,087.08	1/2	3,725.76	1/2	3,364.44	1/2	3,003.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,123.14	3/4	4,791.76	3/4	4,440.79	3/4	4,079.55	3/4	3,718.23	3/4	3,356.92	3/4	2,995.60
<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>5,116.45</b>	<b>11</b>	<b>4,784.63</b>	<b>11</b>	<b>4,433.28</b>	<b>11</b>	<b>4,072.02</b>	<b>11</b>	<b>3,710.71</b>	<b>11</b>	<b>3,349.39</b>	<b>11</b>	<b>2,988.07</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,109.76	1/4	4,777.51	1/4	4,425.77	1/4	4,064.49	1/4	3,703.18	1/4	3,341.86	1/4	2,980.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,103.07	1/2	4,770.38	1/2	4,418.26	1/2	4,056.97	1/2	3,695.65	1/2	3,334.34	1/2	2,973.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,096.38	3/4	4,763.25	3/4	4,410.75	3/4	4,049.44	3/4	3,688.12	3/4	3,326.81	3/4	2,965.49

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 29076"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 309"

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	2,596.65	0	2,235.20	0	1,873.75	0	1,512.30	0	1,155.26	0	805.79	0	444.35	0	83.74	0		0	
1/4	2,589.12	1/4	2,227.67	1/4	1,866.22	1/4	1,504.77	1/4	1,148.07	1/4	798.26	1/4	436.82	1/4	76.84	1/4		1/4	
1/2	2,581.59	1/2	2,220.14	1/2	1,858.69	1/2	1,497.24	1/2	1,140.89	1/2	790.73	1/2	429.29	1/2	69.94	1/2		1/2	
3/4	2,574.06	3/4	2,212.61	3/4	1,851.16	3/4	1,489.71	3/4	1,133.70	3/4	783.20	3/4	421.76	3/4	63.04	3/4		3/4	
1	2,566.53	1	2,205.08	1	1,843.63	1	1,482.18	1	1,126.51	1	775.67	1	414.23	1	57.39	1		1	
1/4	2,559.00	1/4	2,197.55	1/4	1,836.10	1/4	1,474.65	1/4	1,119.33	1/4	768.14	1/4	406.71	1/4	51.74	1/4		1/4	
1/2	2,551.47	1/2	2,190.02	1/2	1,828.57	1/2	1,467.12	1/2	1,112.14	1/2	760.61	1/2	399.18	1/2	46.10	1/2		1/2	
3/4	2,543.94	3/4	2,182.49	3/4	1,821.04	3/4	1,459.59	3/4	1,104.95	3/4	753.08	3/4	391.65	3/4	40.45	3/4		3/4	
2	2,536.41	2	2,174.96	2	1,813.51	2	1,452.06	2	1,097.77	2	745.55	2	384.12	2	36.06	2		2	
1/4	2,528.88	1/4	2,167.43	1/4	1,805.98	1/4	1,444.53	1/4	1,090.58	1/4	738.02	1/4	376.59	1/4	31.67	1/4		1/4	
1/2	2,521.35	1/2	2,159.90	1/2	1,798.45	1/2	1,437.00	1/2	1,083.39	1/2	730.49	1/2	369.06	1/2	27.28	1/2		1/2	
3/4	2,513.81	3/4	2,152.37	3/4	1,790.92	3/4	1,429.47	3/4	1,076.21	3/4	722.96	3/4	361.53	3/4	22.89	3/4		3/4	
3	2,506.28	3	2,144.84	3	1,783.39	3	1,421.94	3	1,069.02	3	715.43	3	354.00	3		3		3	
1/4	2,498.75	1/4	2,137.30	1/4	1,775.86	1/4	1,414.41	1/4	1,061.83	1/4	707.90	1/4	346.47	1/4		1/4		1/4	
1/2	2,491.22	1/2	2,129.77	1/2	1,768.33	1/2	1,406.88	1/2	1,054.64	1/2	700.37	1/2	338.94	1/2		1/2		1/2	
3/4	2,483.69	3/4	2,122.24	3/4	1,760.79	3/4	1,399.35	3/4	1,047.46	3/4	692.84	3/4	331.41	3/4		3/4		3/4	
4	2,476.16	4	2,114.71	4	1,753.26	4	1,391.82	4	1,040.27	4	685.31	4	323.88	4		4		4	
1/4	2,468.63	1/4	2,107.18	1/4	1,745.73	1/4	1,384.28	1/4	1,033.08	1/4	677.78	1/4	316.35	1/4		1/4		1/4	
1/2	2,461.10	1/2	2,099.65	1/2	1,738.20	1/2	1,376.75	1/2	1,025.90	1/2	670.25	1/2	308.82	1/2		1/2		1/2	
3/4	2,453.57	3/4	2,092.12	3/4	1,730.67	3/4	1,369.22	3/4	1,018.71	3/4	662.72	3/4	301.29	3/4		3/4		3/4	
5	2,446.04	5	2,084.59	5	1,723.14	5	1,361.69	5	1,011.52	5	655.19	5	293.76	5		5		5	
1/4	2,438.51	1/4	2,077.06	1/4	1,715.61	1/4	1,354.16	1/4	1,004.34	1/4	647.66	1/4	286.23	1/4		1/4		1/4	
1/2	2,430.98	1/2	2,069.53	1/2	1,708.08	1/2	1,346.63	1/2	997.15	1/2	640.13	1/2	278.70	1/2		1/2		1/2	
3/4	2,423.45	3/4	2,062.00	3/4	1,700.55	3/4	1,339.10	3/4	989.96	3/4	632.60	3/4	271.17	3/4		3/4		3/4	
6	2,415.92	6	2,054.47	6	1,693.02	6	1,331.57	6	982.78	6	625.07	6	263.64	6		6		6	
1/4	2,408.39	1/4	2,046.94	1/4	1,685.49	1/4	1,324.04	1/4	975.59	1/4	617.54	1/4	256.11	1/4		1/4		1/4	
1/2	2,400.86	1/2	2,039.41	1/2	1,677.96	1/2	1,316.51	1/2	968.40	1/2	610.01	1/2	248.58	1/2		1/2		1/2	
3/4	2,393.33	3/4	2,031.88	3/4	1,670.43	3/4	1,308.98	3/4	961.22	3/4	602.48	3/4	241.05	3/4		3/4		3/4	
7	2,385.80	7	2,024.35	7	1,662.90	7	1,301.45	7	954.03	7	594.95	7	233.52	7		7		7	
1/4	2,378.27	1/4	2,016.82	1/4	1,655.37	1/4	1,293.92	1/4	946.84	1/4	587.42	1/4	225.99	1/4		1/4		1/4	
1/2	2,370.74	1/2	2,009.29	1/2	1,647.84	1/2	1,286.39	1/2	939.66	1/2	579.89	1/2	218.46	1/2		1/2		1/2	
3/4	2,363.21	3/4	2,001.76	3/4	1,640.31	3/4	1,278.86	3/4	932.47	3/4	572.36	3/4	210.93	3/4		3/4		3/4	
8	2,355.68	8	1,994.23	8	1,632.78	8	1,271.33	8	925.27	8	564.83	8	203.40	8		8		8	
1/4	2,348.15	1/4	1,986.70	1/4	1,625.25	1/4	1,263.80	1/4	918.07	1/4	557.30	1/4	195.87	1/4		1/4		1/4	
1/2	2,340.62	1/2	1,979.17	1/2	1,617.72	1/2	1,256.27	1/2	910.88	1/2	549.77	1/2	188.34	1/2		1/2		1/2	
3/4	2,333.09	3/4	1,971.64	3/4	1,610.19	3/4	1,248.74	3/4	903.68	3/4	542.24	3/4	180.81	3/4		3/4		3/4	
9	2,325.56	9	1,964.11	9	1,602.66	9	1,241.54	9	896.15	9	534.71	9	173.28	9		9		9	
1/4	2,318.03	1/4	1,956.58	1/4	1,595.13	1/4	1,234.34	1/4	888.62	1/4	527.18	1/4	165.75	1/4		1/4		1/4	
1/2	2,310.50	1/2	1,949.05	1/2	1,587.60	1/2	1,227.14	1/2	881.09	1/2	519.65	1/2	158.22	1/2		1/2		1/2	
3/4	2,302.97	3/4	1,941.52	3/4	1,580.07	3/4	1,219.94	3/4	873.56	3/4	512.12	3/4	150.69	3/4		3/4		3/4	
10	2,295.44	10	1,933.99	10	1,572.54	10	1,212.75	10	866.03	10	504.59	10	143.17	10		10		10	
1/4	2,287.91	1/4	1,926.46	1/4	1,565.01	1/4	1,205.57	1/4	858.50	1/4	497.06	1/4	135.65	1/4		1/4		1/4	
1/2	2,280.38	1/2	1,918.93	1/2	1,557.48	1/2	1,198.38	1/2	850.97	1/2	489.53	1/2	128.14	1/2		1/2		1/2	
3/4	2,272.85	3/4	1,911.40	3/4	1,549.95	3/4	1,191.19	3/4	843.44	3/4	482.00	3/4	120.62	3/4		3/4		3/4	
11	2,265.32	11	1,903.87	11	1,542.42	11	1,184.01	11	835.91	11	474.47	11	113.12	11		11		11	
1/4	2,257.79	1/4	1,896.34	1/4	1,534.89	1/4	1,176.82	1/4	828.38	1/4	466.94	1/4	105.63	1/4		1/4		1/4	
1/2	2,250.26	1/2	1,888.81	1/2	1,527.36	1/2	1,169.63	1/2	820.85	1/2	459.41	1/2	98.13	1/2		1/2		1/2	
3/4	2,242.73	3/4	1,881.28	3/4	1,519.83	3/4	1,162.45	3/4	813.32	3/4	451.88	3/4	90.64	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2013 CL  
NAME CHANGE: 10/13/2023 JS  
VERIFIED: 10/13/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2023

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
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# BARGE "KIRBY 29076"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 309"

GAUGE HEIGHT 17'-02 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	4,352.19	0	4,173.13	0	3,983.79	0	3,790.14	0	3,596.49	0	3,313.61	0	2,955.02
1/4		1/4		1/4		1/4	4,348.58	1/4	4,169.30	1/4	3,979.76	1/4	3,786.11	1/4	3,592.46	1/4	3,306.15	1/4	2,947.53
1/2		1/2		1/2		1/2	4,344.98	1/2	4,165.46	1/2	3,975.72	1/2	3,782.07	1/2	3,588.42	1/2	3,298.70	1/2	2,940.04
3/4		3/4		3/4		3/4	4,341.35	3/4	4,161.61	3/4	3,971.69	3/4	3,778.04	3/4	3,584.39	3/4	3,291.25	3/4	2,932.56
1		1		1		1	4,337.73	1	4,157.75	1	3,967.66	1	3,774.00	1	3,580.35	1	3,283.80	1	2,925.07
1/4		1/4		1/4		1/4	4,334.10	1/4	4,153.90	1/4	3,963.62	1/4	3,769.97	1/4	3,576.32	1/4	3,276.35	1/4	2,917.59
1/2		1/2		1/2		1/2	4,330.48	1/2	4,150.05	1/2	3,959.59	1/2	3,765.94	1/2	3,572.28	1/2	3,268.89	1/2	2,910.10
3/4		3/4		3/4		3/4	4,326.84	3/4	4,146.17	3/4	3,955.55	3/4	3,761.90	3/4	3,568.25	3/4	3,261.44	3/4	2,902.61
2		2		2		2	4,323.20	2	4,142.28	2	3,951.52	2	3,757.87	2	3,564.22	2	3,253.99	2	2,895.13
1/4		1/4		1/4		1/4	4,319.56	1/4	4,138.40	1/4	3,947.48	1/4	3,753.83	1/4	3,560.18	1/4	3,246.54	1/4	2,887.64
1/2		1/2		1/2		1/2	4,315.92	1/2	4,134.52	1/2	3,943.45	1/2	3,749.80	1/2	3,556.15	1/2	3,239.09	1/2	2,880.15
3/4		3/4		3/4		3/4	4,312.27	3/4	4,130.62	3/4	3,939.41	3/4	3,745.76	3/4	3,552.11	3/4	3,231.63	3/4	2,872.67
3		3		3		3	4,308.61	3	4,126.72	3	3,935.38	3	3,741.73	3	3,548.08	3	3,224.18	3	2,865.18
1/4		1/4		1/4		1/4	4,304.96	1/4	4,122.82	1/4	3,931.35	1/4	3,737.69	1/4	3,544.04	1/4	3,216.73	1/4	2,857.70
1/2		1/2		1/2		1/2	4,301.30	1/2	4,118.92	1/2	3,927.31	1/2	3,733.66	1/2	3,540.01	1/2	3,209.28	1/2	2,850.21
3/4		3/4		3/4		3/4	4,297.59	3/4	4,115.00	3/4	3,923.28	3/4	3,729.63	3/4	3,535.97	3/4	3,201.83	3/4	2,842.72
4		4		4		4	4,293.88	4	4,111.09	4	3,919.24	4	3,725.59	4	3,531.94	4	3,194.37	4	2,835.24
1/4		1/4		1/4		1/4	4,290.17	1/4	4,107.17	1/4	3,915.21	1/4	3,721.56	1/4	3,527.91	1/4	3,186.92	1/4	2,827.75
1/2		1/2		1/2		1/2	4,286.46	1/2	4,103.26	1/2	3,911.17	1/2	3,717.52	1/2	3,523.87	1/2	3,179.47	1/2	2,820.26
3/4		3/4		3/4		3/4	4,282.74	3/4	4,099.33	3/4	3,907.14	3/4	3,713.49	3/4	3,519.84	3/4	3,172.02	3/4	2,812.78
5		5		5		5	4,279.01	5	4,095.40	5	3,903.11	5	3,709.45	5	3,515.80	5	3,164.57	5	2,805.29
1/4		1/4		1/4		1/4	4,275.29	1/4	4,091.47	1/4	3,899.07	1/4	3,705.42	1/4	3,511.77	1/4	3,157.11	1/4	2,797.81
1/2		1/2		1/2		1/2	4,271.56	1/2	4,087.53	1/2	3,895.04	1/2	3,701.39	1/2	3,507.73	1/2	3,149.66	1/2	2,790.32
3/4		3/4		3/4		3/4	4,267.82	3/4	4,083.59	3/4	3,891.00	3/4	3,697.35	3/4	3,503.70	3/4	3,142.17	3/4	2,782.82
6		6		6		6	4,264.08	6	4,079.64	6	3,886.97	6	3,693.32	6	3,492.80	6	3,134.69	6	2,775.32
1/4		1/4		1/4		1/4	4,260.34	1/4	4,075.69	1/4	3,882.93	1/4	3,689.28	1/4	3,485.33	1/4	3,127.20	1/4	2,767.82
1/2		1/2		1/2	4,411.53	1/2	4,256.59	1/2	4,071.75	1/2	3,878.90	1/2	3,685.25	1/2	3,477.86	1/2	3,119.72	1/2	2,760.32
3/4		3/4		3/4	4,410.66	3/4	4,252.84	3/4	4,067.78	3/4	3,874.86	3/4	3,681.21	3/4	3,470.40	3/4	3,112.23	3/4	2,752.82
7		7		7	4,409.79	7	4,249.08	7	4,063.82	7	3,870.83	7	3,677.18	7	3,462.93	7	3,104.74	7	2,745.32
1/4		1/4		1/4	4,408.92	1/4	4,245.32	1/4	4,059.86	1/4	3,866.80	1/4	3,673.14	1/4	3,455.46	1/4	3,097.26	1/4	2,737.82
1/2		1/2		1/2	4,408.05	1/2	4,241.56	1/2	4,055.90	1/2	3,862.76	1/2	3,669.11	1/2	3,447.99	1/2	3,089.77	1/2	2,730.32
3/4		3/4		3/4	4,405.94	3/4	4,237.79	3/4	4,051.92	3/4	3,858.73	3/4	3,665.08	3/4	3,440.52	3/4	3,082.28	3/4	2,722.82
8		8		8	4,403.84	8	4,234.02	8	4,047.94	8	3,854.69	8	3,661.04	8	3,433.06	8	3,074.80	8	2,715.32
1/4		1/4		1/4	4,401.73	1/4	4,230.24	1/4	4,043.96	1/4	3,850.66	1/4	3,657.01	1/4	3,425.59	1/4	3,067.31	1/4	2,707.82
1/2		1/2		1/2	4,399.62	1/2	4,226.47	1/2	4,039.98	1/2	3,846.62	1/2	3,652.97	1/2	3,418.12	1/2	3,059.83	1/2	2,700.33
3/4		3/4		3/4	4,396.69	3/4	4,222.68	3/4	4,035.99	3/4	3,842.59	3/4	3,648.94	3/4	3,410.65	3/4	3,052.34	3/4	2,692.83
9		9		9	4,393.76	9	4,218.89	9	4,031.99	9	3,838.55	9	3,644.90	9	3,403.19	9	3,044.85	9	2,685.33
1/4		1/4		1/4	4,390.82	1/4	4,215.10	1/4	4,028.00	1/4	3,834.52	1/4	3,640.87	1/4	3,395.72	1/4	3,037.37	1/4	2,677.83
1/2		1/2		1/2	4,387.89	1/2	4,211.31	1/2	4,024.00	1/2	3,830.49	1/2	3,636.83	1/2	3,388.25	1/2	3,029.88	1/2	2,670.33
3/4		3/4		3/4	4,384.35	3/4	4,207.51	3/4	4,019.99	3/4	3,826.45	3/4	3,632.80	3/4	3,380.78	3/4	3,022.39	3/4	2,662.83
10		10		10	4,380.81	10	4,203.70	10	4,015.98	10	3,822.42	10	3,628.77	10	3,373.32	10	3,014.91	10	2,655.33
1/4		1/4		1/4	4,377.27	1/4	4,199.90	1/4	4,011.97	1/4	3,818.38	1/4	3,624.73	1/4	3,365.85	1/4	3,007.42	1/4	2,647.83
1/2		1/2		1/2	4,373.73	1/2	4,196.09	1/2	4,007.96	1/2	3,814.35	1/2	3,620.70	1/2	3,358.38	1/2	2,999.94	1/2	2,640.33
3/4		3/4		3/4	4,370.15	3/4	4,192.27	3/4	4,003.94	3/4	3,810.31	3/4	3,616.66	3/4	3,350.91	3/4	2,992.45	3/4	2,632.83
11		11		11	4,366.56	11	4,188.45	11	3,999.91	11	3,806.28	11	3,612.63	11	3,343.44	11	2,984.96	11	2,625.34
1/4		1/4		1/4	4,362.98	1/4	4,184.63	1/4	3,995.89	1/4	3,802.25	1/4	3,608.59	1/4	3,335.98	1/4	2,977.48	1/4	2,617.84
1/2		1/2		1/2	4,359.40	1/2	4,180.81	1/2	3,991.86	1/2	3,798.21	1/2	3,604.56	1/2	3,328.51	1/2	2,969.99	1/2	2,610.34
3/4		3/4		3/4	4,355.79	3/4	4,176.97	3/4	3,987.83	3/4	3,794.18	3/4	3,600.53	3/4	3,321.06	3/4	2,962.50	3/4	2,602.84

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 29076"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 309"

GAUGE HEIGHT 17'-02 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	2,595.34	0	2,235.31	0	1,875.24	0	1,515.14	0	1,155.10	0	795.30	0	435.21	0	76.56	0		0	
1/4	2,587.84	1/4	2,227.81	1/4	1,867.74	1/4	1,507.64	1/4	1,147.61	1/4	787.80	1/4	427.71	1/4	69.69	1/4		1/4	
1/2	2,580.33	1/2	2,220.31	1/2	1,860.24	1/2	1,500.13	1/2	1,140.11	1/2	780.30	1/2	420.21	1/2	62.81	1/2		1/2	
3/4	2,572.83	3/4	2,212.81	3/4	1,852.74	3/4	1,492.63	3/4	1,132.62	3/4	772.79	3/4	412.70	3/4	57.19	3/4		3/4	
1	2,565.33	1	2,205.30	1	1,845.23	1	1,485.13	1	1,125.13	1	765.29	1	405.20	1	51.56	1		1	
1/4	2,557.83	1/4	2,197.80	1/4	1,837.73	1/4	1,477.63	1/4	1,117.64	1/4	757.79	1/4	397.70	1/4	45.93	1/4		1/4	
1/2	2,550.33	1/2	2,190.30	1/2	1,830.23	1/2	1,470.12	1/2	1,110.14	1/2	750.29	1/2	390.20	1/2	40.31	1/2		1/2	
3/4	2,542.83	3/4	2,182.80	3/4	1,822.73	3/4	1,462.62	3/4	1,102.65	3/4	742.79	3/4	382.70	3/4	35.93	3/4		3/4	
2	2,535.33	2	2,175.30	2	1,815.23	2	1,455.12	2	1,095.16	2	735.29	2	375.19	2	31.56	2		2	
1/4	2,527.83	1/4	2,167.80	1/4	1,807.72	1/4	1,447.62	1/4	1,087.67	1/4	727.78	1/4	367.69	1/4	27.18	1/4		1/4	
1/2	2,520.33	1/2	2,160.30	1/2	1,800.22	1/2	1,440.12	1/2	1,080.17	1/2	720.28	1/2	360.19	1/2	22.81	1/2		1/2	
3/4	2,512.83	3/4	2,152.80	3/4	1,792.72	3/4	1,432.61	3/4	1,072.68	3/4	712.78	3/4	352.69	3/4		3/4		3/4	
3	2,505.33	3	2,145.30	3	1,785.22	3	1,425.11	3	1,065.19	3	705.28	3	345.19	3		3		3	
1/4	2,497.83	1/4	2,137.80	1/4	1,777.71	1/4	1,417.61	1/4	1,057.69	1/4	697.78	1/4	337.68	1/4		1/4		1/4	
1/2	2,490.33	1/2	2,130.30	1/2	1,770.21	1/2	1,410.11	1/2	1,050.20	1/2	690.27	1/2	330.18	1/2		1/2		1/2	
3/4	2,482.83	3/4	2,122.80	3/4	1,762.71	3/4	1,402.60	3/4	1,042.71	3/4	682.77	3/4	322.68	3/4		3/4		3/4	
4	2,475.33	4	2,115.30	4	1,755.21	4	1,395.10	4	1,035.22	4	675.27	4	315.18	4		4		4	
1/4	2,467.83	1/4	2,107.80	1/4	1,747.71	1/4	1,387.60	1/4	1,027.72	1/4	667.77	1/4	307.68	1/4		1/4		1/4	
1/2	2,460.33	1/2	2,100.30	1/2	1,740.20	1/2	1,380.10	1/2	1,020.23	1/2	660.27	1/2	300.18	1/2		1/2		1/2	
3/4	2,452.82	3/4	2,092.80	3/4	1,732.70	3/4	1,372.60	3/4	1,012.74	3/4	652.76	3/4	292.67	3/4		3/4		3/4	
5	2,445.32	5	2,085.30	5	1,725.20	5	1,365.09	5	1,005.24	5	645.26	5	285.17	5		5		5	
1/4	2,437.82	1/4	2,077.79	1/4	1,717.70	1/4	1,357.59	1/4	997.75	1/4	637.76	1/4	277.67	1/4		1/4		1/4	
1/2	2,430.32	1/2	2,070.29	1/2	1,710.19	1/2	1,350.09	1/2	990.26	1/2	630.26	1/2	270.17	1/2		1/2		1/2	
3/4	2,422.82	3/4	2,062.79	3/4	1,702.69	3/4	1,342.59	3/4	982.77	3/4	622.76	3/4	262.67	3/4		3/4		3/4	
6	2,415.32	6	2,055.29	6	1,695.19	6	1,335.08	6	975.27	6	615.26	6	255.16	6		6		6	
1/4	2,407.82	1/4	2,047.79	1/4	1,687.69	1/4	1,327.58	1/4	967.78	1/4	607.75	1/4	247.66	1/4		1/4		1/4	
1/2	2,400.32	1/2	2,040.29	1/2	1,680.19	1/2	1,320.08	1/2	960.29	1/2	600.25	1/2	240.16	1/2		1/2		1/2	
3/4	2,392.82	3/4	2,032.79	3/4	1,672.68	3/4	1,312.58	3/4	952.79	3/4	592.75	3/4	232.66	3/4		3/4		3/4	
7	2,385.32	7	2,025.29	7	1,665.18	7	1,305.08	7	945.30	7	585.25	7	225.16	7		7		7	
1/4	2,377.82	1/4	2,017.79	1/4	1,657.68	1/4	1,297.57	1/4	937.81	1/4	577.75	1/4	217.65	1/4		1/4		1/4	
1/2	2,370.32	1/2	2,010.28	1/2	1,650.18	1/2	1,290.07	1/2	930.32	1/2	570.24	1/2	210.15	1/2		1/2		1/2	
3/4	2,362.82	3/4	2,002.78	3/4	1,642.68	3/4	1,282.57	3/4	922.82	3/4	562.74	3/4	202.65	3/4		3/4		3/4	
8	2,355.32	8	1,995.28	8	1,635.17	8	1,275.07	8	915.32	8	555.24	8	195.15	8		8		8	
1/4	2,347.82	1/4	1,987.78	1/4	1,627.67	1/4	1,267.57	1/4	907.82	1/4	547.74	1/4	187.65	1/4		1/4		1/4	
1/2	2,340.32	1/2	1,980.27	1/2	1,620.17	1/2	1,260.06	1/2	900.33	1/2	540.24	1/2	180.14	1/2		1/2		1/2	
3/4	2,332.82	3/4	1,972.77	3/4	1,612.67	3/4	1,252.56	3/4	892.83	3/4	532.73	3/4	172.64	3/4		3/4		3/4	
9	2,325.31	9	1,965.27	9	1,605.16	9	1,245.06	9	885.32	9	525.23	9	165.14	9		9		9	
1/4	2,317.81	1/4	1,957.77	1/4	1,597.66	1/4	1,237.56	1/4	877.82	1/4	517.73	1/4	157.64	1/4		1/4		1/4	
1/2	2,310.31	1/2	1,950.27	1/2	1,590.16	1/2	1,230.05	1/2	870.32	1/2	510.23	1/2	150.14	1/2		1/2		1/2	
3/4	2,302.81	3/4	1,942.76	3/4	1,582.66	3/4	1,222.55	3/4	862.82	3/4	502.73	3/4	142.65	3/4		3/4		3/4	
10	2,295.31	10	1,935.26	10	1,575.16	10	1,215.06	10	855.32	10	495.22	10	135.16	10		10		10	
1/4	2,287.81	1/4	1,927.76	1/4	1,567.65	1/4	1,207.56	1/4	847.81	1/4	487.72	1/4	127.67	1/4		1/4		1/4	
1/2	2,280.31	1/2	1,920.26	1/2	1,560.15	1/2	1,200.06	1/2	840.31	1/2	480.22	1/2	120.18	1/2		1/2		1/2	
3/4	2,272.81	3/4	1,912.75	3/4	1,552.65	3/4	1,192.56	3/4	832.81	3/4	472.72	3/4	112.71	3/4		3/4		3/4	
11	2,265.31	11	1,905.25	11	1,545.15	11	1,185.07	11	825.31	11	465.22	11	105.24	11		11		11	
1/4	2,257.81	1/4	1,897.75	1/4	1,537.64	1/4	1,177.58	1/4	817.81	1/4	457.72	1/4	97.78	1/4		1/4		1/4	
1/2	2,250.31	1/2	1,890.25	1/2	1,530.14	1/2	1,170.09	1/2	810.30	1/2	450.21	1/2	90.31	1/2		1/2		1/2	
3/4	2,242.81	3/4	1,882.75	3/4	1,522.64	3/4	1,162.59	3/4	802.80	3/4	442.71	3/4	83.44	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2013 CL  
NAME CHANGE: 10/13/2023 JS  
VERIFIED: 10/13/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2023

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



# BARGE "KIRBY 29076"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 309"

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
							4,328.21		4,150.06		3,961.58		3,768.60		3,575.63		3,296.84		2,939.08
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,324.62	1/4	4,146.24	1/4	3,957.56	1/4	3,764.58	1/4	3,571.61	1/4	3,289.40	1/4	2,931.62
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,321.02	1/2	4,142.41	1/2	3,953.54	1/2	3,760.56	1/2	3,567.59	1/2	3,281.96	1/2	2,924.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,317.43	3/4	4,138.59	3/4	3,949.52	3/4	3,756.54	3/4	3,563.57	3/4	3,274.52	3/4	2,916.69
<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>4,313.82</b>	<b>1</b>	<b>4,134.75</b>	<b>1</b>	<b>3,945.50</b>	<b>1</b>	<b>3,752.52</b>	<b>1</b>	<b>3,559.55</b>	<b>1</b>	<b>3,267.09</b>	<b>1</b>	<b>2,909.22</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,310.21	1/4	4,130.91	1/4	3,941.48	1/4	3,748.50	1/4	3,555.53	1/4	3,259.65	1/4	2,901.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,306.60	1/2	4,127.07	1/2	3,937.46	1/2	3,744.48	1/2	3,551.51	1/2	3,252.21	1/2	2,894.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,302.99	3/4	4,123.23	3/4	3,933.44	3/4	3,740.46	3/4	3,547.49	3/4	3,244.77	3/4	2,886.83
<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>4,299.37</b>	<b>2</b>	<b>4,119.37</b>	<b>2</b>	<b>3,929.42</b>	<b>2</b>	<b>3,736.44</b>	<b>2</b>	<b>3,543.47</b>	<b>2</b>	<b>3,237.33</b>	<b>2</b>	<b>2,879.36</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,295.74	1/4	4,115.50	1/4	3,925.40	1/4	3,732.42	1/4	3,539.45	1/4	3,229.89	1/4	2,871.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,292.12	1/2	4,111.63	1/2	3,921.37	1/2	3,728.40	1/2	3,535.43	1/2	3,222.46	1/2	2,864.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,288.49	3/4	4,107.76	3/4	3,917.35	3/4	3,724.38	3/4	3,531.41	3/4	3,215.02	3/4	2,856.94
<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>4,284.85</b>	<b>3</b>	<b>4,103.87</b>	<b>3</b>	<b>3,913.33</b>	<b>3</b>	<b>3,720.36</b>	<b>3</b>	<b>3,527.39</b>	<b>3</b>	<b>3,207.58</b>	<b>3</b>	<b>2,849.47</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,281.21	1/4	4,099.99	1/4	3,909.31	1/4	3,716.34	1/4	3,523.36	1/4	3,200.14	1/4	2,842.00
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,277.57	1/2	4,096.10	1/2	3,905.29	1/2	3,712.32	1/2	3,519.34	1/2	3,192.70	1/2	2,834.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,273.93	3/4	4,092.22	3/4	3,901.27	3/4	3,708.30	3/4	3,515.32	3/4	3,185.27	3/4	2,827.05
<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4,270.23</b>	<b>4</b>	<b>4,088.32</b>	<b>4</b>	<b>3,897.25</b>	<b>4</b>	<b>3,704.28</b>	<b>4</b>	<b>3,511.30</b>	<b>4</b>	<b>3,177.83</b>	<b>4</b>	<b>2,819.58</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,266.54	1/4	4,084.41	1/4	3,893.23	1/4	3,700.26	1/4	3,507.28	1/4	3,170.39	1/4	2,812.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,262.84	1/2	4,080.51	1/2	3,889.21	1/2	3,696.24	1/2	3,503.26	1/2	3,162.95	1/2	2,804.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,259.14	3/4	4,076.61	3/4	3,885.19	3/4	3,692.22	3/4	3,499.24	3/4	3,155.51	3/4	2,797.16
<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>4,255.43</b>	<b>5</b>	<b>4,072.70</b>	<b>5</b>	<b>3,881.17</b>	<b>5</b>	<b>3,688.20</b>	<b>5</b>	<b>3,495.22</b>	<b>5</b>	<b>3,148.08</b>	<b>5</b>	<b>2,789.69</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,251.72	1/4	4,068.78	1/4	3,877.15	1/4	3,684.18	1/4	3,491.20	1/4	3,140.64	1/4	2,782.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,248.01	1/2	4,064.86	1/2	3,873.13	1/2	3,680.16	1/2	3,487.18	1/2	3,133.20	1/2	2,774.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,244.30	3/4	4,060.94	3/4	3,869.11	3/4	3,676.14	3/4	3,483.16	3/4	3,125.76	3/4	2,767.27
<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>4,240.57</b>	<b>6</b>	<b>4,057.01</b>	<b>6</b>	<b>3,865.09</b>	<b>6</b>	<b>3,672.12</b>	<b>6</b>	<b>3,475.71</b>	<b>6</b>	<b>3,118.29</b>	<b>6</b>	<b>2,759.79</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,236.84	1/4	4,053.08	1/4	3,861.07	1/4	3,668.10	1/4	3,468.25	1/4	3,110.82	1/4	2,752.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,233.11	1/2	4,049.15	1/2	3,857.05	1/2	3,664.08	1/2	3,460.80	1/2	3,103.34	1/2	2,744.81
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,383.65	3/4	4,229.39	3/4	4,045.21	3/4	3,853.03	3/4	3,660.06	3/4	3,453.35	3/4	3,095.87
<b>7</b>	<b>7</b>	<b>7</b>	<b>4,382.79</b>	<b>7</b>	<b>4,225.64</b>	<b>7</b>	<b>4,041.26</b>	<b>7</b>	<b>3,849.01</b>	<b>7</b>	<b>3,656.03</b>	<b>7</b>	<b>3,445.89</b>	<b>7</b>	<b>3,088.40</b>	<b>7</b>	<b>2,729.84</b>	<b>7</b>	<b>2,729.84</b>
1/4	1/4	1/4	4,381.94	1/4	4,221.90	1/4	4,037.32	1/4	3,844.99	1/4	3,652.01	1/4	3,438.44	1/4	3,080.93	1/4	2,722.36	1/4	2,722.36
1/2	1/2	1/2	4,381.08	1/2	4,218.16	1/2	4,033.37	1/2	3,840.97	1/2	3,647.99	1/2	3,430.99	1/2	3,073.45	1/2	2,714.87	1/2	2,714.87
3/4	3/4	3/4	4,380.23	3/4	4,214.41	3/4	4,029.42	3/4	3,836.95	3/4	3,643.97	3/4	3,423.53	3/4	3,065.98	3/4	2,707.39	3/4	2,707.39
<b>8</b>	<b>8</b>	<b>8</b>	<b>4,378.13</b>	<b>8</b>	<b>4,210.65</b>	<b>8</b>	<b>4,025.45</b>	<b>8</b>	<b>3,832.93</b>	<b>8</b>	<b>3,639.95</b>	<b>8</b>	<b>3,416.08</b>	<b>8</b>	<b>3,058.52</b>	<b>8</b>	<b>2,699.90</b>	<b>8</b>	<b>2,699.90</b>
1/4	1/4	1/4	4,376.04	1/4	4,206.89	1/4	4,021.49	1/4	3,828.91	1/4	3,635.93	1/4	3,408.63	1/4	3,051.05	1/4	2,692.42	1/4	2,692.42
1/2	1/2	1/2	4,373.95	1/2	4,203.13	1/2	4,017.52	1/2	3,824.89	1/2	3,631.91	1/2	3,401.17	1/2	3,043.59	1/2	2,684.93	1/2	2,684.93
3/4	3/4	3/4	4,371.86	3/4	4,199.38	3/4	4,013.56	3/4	3,820.87	3/4	3,627.89	3/4	3,393.72	3/4	3,036.12	3/4	2,677.45	3/4	2,677.45
<b>9</b>	<b>9</b>	<b>9</b>	<b>4,368.94</b>	<b>9</b>	<b>4,195.60</b>	<b>9</b>	<b>4,009.58</b>	<b>9</b>	<b>3,816.85</b>	<b>9</b>	<b>3,623.87</b>	<b>9</b>	<b>3,386.27</b>	<b>9</b>	<b>3,028.66</b>	<b>9</b>	<b>2,669.96</b>	<b>9</b>	<b>2,669.96</b>
1/4	1/4	1/4	4,366.02	1/4	4,191.83	1/4	4,005.60	1/4	3,812.83	1/4	3,619.85	1/4	3,378.81	1/4	3,021.19	1/4	2,662.48	1/4	2,662.48
1/2	1/2	1/2	4,363.10	1/2	4,188.05	1/2	4,001.62	1/2	3,808.81	1/2	3,615.83	1/2	3,371.36	1/2	3,013.73	1/2	2,654.99	1/2	2,654.99
3/4	3/4	3/4	4,360.18	3/4	4,184.27	3/4	3,997.64	3/4	3,804.79	3/4	3,611.81	3/4	3,363.90	3/4	3,006.26	3/4	2,647.51	3/4	2,647.51
<b>10</b>	<b>10</b>	<b>10</b>	<b>4,356.65</b>	<b>10</b>	<b>4,180.48</b>	<b>10</b>	<b>3,993.64</b>	<b>10</b>	<b>3,800.77</b>	<b>10</b>	<b>3,607.79</b>	<b>10</b>	<b>3,356.45</b>	<b>10</b>	<b>2,998.80</b>	<b>10</b>	<b>2,640.02</b>	<b>10</b>	<b>2,640.02</b>
1/4	1/4	1/4	4,353.12	1/4	4,176.69	1/4	3,989.64	1/4	3,796.75	1/4	3,603.77	1/4	3,349.00	1/4	2,991.33	1/4	2,632.54	1/4	2,632.54
1/2	1/2	1/2	4,349.60	1/2	4,172.90	1/2	3,985.65	1/2	3,792.73	1/2	3,599.75	1/2	3,341.54	1/2	2,983.87	1/2	2,625.05	1/2	2,625.05
3/4	3/4	3/4	4,346.07	3/4	4,169.11	3/4	3,981.65	3/4	3,788.70	3/4	3,595.73	3/4	3,334.09	3/4	2,976.41	3/4	2,617.57	3/4	2,617.57
<b>11</b>	<b>11</b>	<b>11</b>	<b>4,342.50</b>	<b>11</b>	<b>4,165.30</b>	<b>11</b>	<b>3,977.64</b>	<b>11</b>	<b>3,784.68</b>	<b>11</b>	<b>3,591.71</b>	<b>11</b>	<b>3,326.64</b>	<b>11</b>	<b>2,968.94</b>	<b>11</b>	<b>2,610.08</b>	<b>11</b>	<b>2,610.08</b>
1/4	1/4	1/4	4,338.94	1/4	4,161.50	1/4	3,973.62	1/4	3,780.66	1/4	3,587.69	1/4	3,319.18	1/4	2,961.48	1/4	2,602.60	1/4	2,602.60
1/2	1/2	1/2	4,335.37	1/2	4,157.69	1/2	3,969.61	1/2	3,776.64	1/2	3,583.67	1/2	3,311.73	1/2	2,954.01	1/2	2,595.11	1/2	2,595.11
3/4	3/4	3/4	4,331.80	3/4	4,153.88	3/4	3,965.60	3/4	3,772.62	3/4	3,579.65	3/4	3,304.28	3/4	2,946.55	3/4	2,587.63	3/4	2,587.63

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 29076"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 309"

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	2,580.14	0	2,220.79	0	1,861.40	0	1,501.97	0	1,145.69	0	801.60	0	442.06	0	83.33	0		0	
1/4	2,572.65	1/4	2,213.30	1/4	1,853.91	1/4	1,494.48	1/4	1,138.54	1/4	794.10	1/4	434.57	1/4	76.47	1/4		1/4	
1/2	2,565.17	1/2	2,205.81	1/2	1,846.42	1/2	1,486.99	1/2	1,131.38	1/2	786.61	1/2	427.08	1/2	69.62	1/2		1/2	
3/4	2,557.68	3/4	2,198.33	3/4	1,838.94	3/4	1,479.50	3/4	1,124.23	3/4	779.12	3/4	419.59	3/4	62.77	3/4		3/4	
1	2,550.19	1	2,190.84	1	1,831.45	1	1,472.08	1	1,117.08	1	771.63	1	412.10	1	57.15	1		1	
1/4	2,542.71	1/4	2,183.35	1/4	1,823.96	1/4	1,464.65	1/4	1,109.93	1/4	764.14	1/4	404.61	1/4	51.54	1/4		1/4	
1/2	2,535.22	1/2	2,175.87	1/2	1,816.47	1/2	1,457.22	1/2	1,102.77	1/2	756.65	1/2	397.12	1/2	45.92	1/2		1/2	
3/4	2,527.73	3/4	2,168.38	3/4	1,808.98	3/4	1,449.80	3/4	1,095.62	3/4	749.16	3/4	389.63	3/4	40.31	3/4		3/4	
2	2,520.25	2	2,160.90	2	1,801.49	2	1,442.37	2	1,088.47	2	741.67	2	382.14	2	35.93	2		2	
1/4	2,512.76	1/4	2,153.41	1/4	1,794.01	1/4	1,434.94	1/4	1,081.31	1/4	734.18	1/4	374.65	1/4	31.56	1/4		1/4	
1/2	2,505.27	1/2	2,145.92	1/2	1,786.52	1/2	1,427.52	1/2	1,074.16	1/2	726.69	1/2	367.16	1/2	27.18	1/2		1/2	
3/4	2,497.79	3/4	2,138.44	3/4	1,779.03	3/4	1,420.09	3/4	1,067.01	3/4	719.20	3/4	359.67	3/4	22.81	3/4		3/4	
3	2,490.30	3	2,130.95	3	1,771.54	3	1,412.66	3	1,059.86	3	711.71	3	352.18	3		3		3	
1/4	2,482.81	1/4	2,123.46	1/4	1,764.05	1/4	1,405.24	1/4	1,052.70	1/4	704.22	1/4	344.69	1/4		1/4		1/4	
1/2	2,475.33	1/2	2,115.98	1/2	1,756.56	1/2	1,397.81	1/2	1,045.55	1/2	696.73	1/2	337.20	1/2		1/2		1/2	
3/4	2,467.84	3/4	2,108.49	3/4	1,749.08	3/4	1,390.38	3/4	1,038.40	3/4	689.24	3/4	329.71	3/4		3/4		3/4	
4	2,460.36	4	2,101.00	4	1,741.59	4	1,382.96	4	1,031.25	4	681.75	4	322.22	4		4		4	
1/4	2,452.87	1/4	2,093.52	1/4	1,734.10	1/4	1,375.53	1/4	1,024.09	1/4	674.26	1/4	314.73	1/4		1/4		1/4	
1/2	2,445.38	1/2	2,086.03	1/2	1,726.61	1/2	1,368.10	1/2	1,016.94	1/2	666.77	1/2	307.24	1/2		1/2		1/2	
3/4	2,437.90	3/4	2,078.54	3/4	1,719.12	3/4	1,360.68	3/4	1,009.79	3/4	659.28	3/4	299.75	3/4		3/4		3/4	
5	2,430.41	5	2,071.06	5	1,711.64	5	1,353.25	5	1,002.64	5	651.79	5	292.25	5		5		5	
1/4	2,422.92	1/4	2,063.57	1/4	1,704.15	1/4	1,345.82	1/4	995.48	1/4	644.30	1/4	284.76	1/4		1/4		1/4	
1/2	2,415.44	1/2	2,056.08	1/2	1,696.66	1/2	1,338.40	1/2	988.33	1/2	636.81	1/2	277.27	1/2		1/2		1/2	
3/4	2,407.95	3/4	2,048.60	3/4	1,689.17	3/4	1,330.97	3/4	981.18	3/4	629.32	3/4	269.78	3/4		3/4		3/4	
6	2,400.46	6	2,041.11	6	1,681.68	6	1,323.55	6	974.03	6	621.83	6	262.29	6		6		6	
1/4	2,392.98	1/4	2,033.62	1/4	1,674.19	1/4	1,316.12	1/4	966.87	1/4	614.34	1/4	254.80	1/4		1/4		1/4	
1/2	2,385.49	1/2	2,026.14	1/2	1,666.71	1/2	1,308.69	1/2	959.72	1/2	606.85	1/2	247.31	1/2		1/2		1/2	
3/4	2,378.00	3/4	2,018.65	3/4	1,659.22	3/4	1,301.27	3/4	952.57	3/4	599.36	3/4	239.82	3/4		3/4		3/4	
7	2,370.52	7	2,011.16	7	1,651.73	7	1,293.84	7	945.42	7	591.87	7	232.33	7		7		7	
1/4	2,363.03	1/4	2,003.68	1/4	1,644.24	1/4	1,286.41	1/4	938.26	1/4	584.38	1/4	224.84	1/4		1/4		1/4	
1/2	2,355.54	1/2	1,996.19	1/2	1,636.75	1/2	1,278.99	1/2	931.11	1/2	576.89	1/2	217.35	1/2		1/2		1/2	
3/4	2,348.06	3/4	1,988.70	3/4	1,629.27	3/4	1,271.56	3/4	923.96	3/4	569.40	3/4	209.86	3/4		3/4		3/4	
8	2,340.57	8	1,981.21	8	1,621.78	8	1,264.13	8	916.80	8	561.91	8	202.37	8		8		8	
1/4	2,333.08	1/4	1,973.72	1/4	1,614.29	1/4	1,256.71	1/4	909.65	1/4	554.42	1/4	194.88	1/4		1/4		1/4	
1/2	2,325.60	1/2	1,966.23	1/2	1,606.80	1/2	1,249.28	1/2	902.49	1/2	546.93	1/2	187.39	1/2		1/2		1/2	
3/4	2,318.11	3/4	1,958.75	3/4	1,599.31	3/4	1,241.85	3/4	895.34	3/4	539.43	3/4	179.90	3/4		3/4		3/4	
9	2,310.63	9	1,951.26	9	1,591.82	9	1,234.44	9	888.16	9	531.94	9	172.41	9		9		9	
1/4	2,303.14	1/4	1,943.77	1/4	1,584.34	1/4	1,227.03	1/4	880.98	1/4	524.45	1/4	164.92	1/4		1/4		1/4	
1/2	2,295.65	1/2	1,936.28	1/2	1,576.85	1/2	1,219.62	1/2	873.80	1/2	516.96	1/2	157.43	1/2		1/2		1/2	
3/4	2,288.17	3/4	1,928.79	3/4	1,569.36	3/4	1,212.21	3/4	866.62	3/4	509.47	3/4	149.94	3/4		3/4		3/4	
10	2,280.68	10	1,921.31	10	1,561.87	10	1,204.81	10	859.45	10	501.98	10	142.46	10		10		10	
1/4	2,273.19	1/4	1,913.82	1/4	1,554.38	1/4	1,197.40	1/4	852.27	1/4	494.49	1/4	134.97	1/4		1/4		1/4	
1/2	2,265.71	1/2	1,906.33	1/2	1,546.90	1/2	1,189.99	1/2	845.09	1/2	487.00	1/2	127.49	1/2		1/2		1/2	
3/4	2,258.22	3/4	1,898.84	3/4	1,539.41	3/4	1,182.58	3/4	837.91	3/4	479.51	3/4	120.00	3/4		3/4		3/4	
11	2,250.73	11	1,891.35	11	1,531.92	11	1,175.15	11	830.70	11	472.02	11	112.54	11		11		11	
1/4	2,243.25	1/4	1,883.86	1/4	1,524.43	1/4	1,167.71	1/4	823.50	1/4	464.53	1/4	105.09	1/4		1/4		1/4	
1/2	2,235.76	1/2	1,876.38	1/2	1,516.94	1/2	1,160.28	1/2	816.29	1/2	457.04	1/2	97.63	1/2		1/2		1/2	
3/4	2,228.27	3/4	1,868.89	3/4	1,509.45	3/4	1,152.84	3/4	809.09	3/4	449.55	3/4	90.18	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2013 CL  
NAME CHANGE: 10/13/2023 JS  
VERIFIED: 10/13/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2023

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



# BARGE "KIRBY 29076"

# FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

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	394	0	788	0	1,182	0	1,576	0	1,970	0		0		0		0	
1/4	8	1/4	402	1/4	796	1/4	1,190	1/4	1,584	1/4	1,978	1/4		1/4		1/4		1/4	
1/2	16	1/2	410	1/2	804	1/2	1,198	1/2	1,592	1/2	1,986	1/2		1/2		1/2		1/2	
3/4	25	3/4	419	3/4	813	3/4	1,207	3/4	1,601	3/4	1,994	3/4		3/4		3/4		3/4	
1	33	1	427	1	821	1	1,215	1	1,609	1	2,003	1		1		1		1	
1/4	41	1/4	435	1/4	829	1/4	1,223	1/4	1,617	1/4		1/4		1/4		1/4		1/4	
1/2	49	1/2	443	1/2	837	1/2	1,231	1/2	1,625	1/2		1/2		1/2		1/2		1/2	
3/4	57	3/4	451	3/4	845	3/4	1,239	3/4	1,633	3/4		3/4		3/4		3/4		3/4	
2	66	2	460	2	854	2	1,248	2	1,642	2		2		2		2		2	
1/4	74	1/4	468	1/4	862	1/4	1,256	1/4	1,650	1/4		1/4		1/4		1/4		1/4	
1/2	82	1/2	476	1/2	870	1/2	1,264	1/2	1,658	1/2		1/2		1/2		1/2		1/2	
3/4	90	3/4	484	3/4	878	3/4	1,272	3/4	1,666	3/4		3/4		3/4		3/4		3/4	
3	98	3	492	3	886	3	1,280	3	1,674	3		3		3		3		3	
1/4	107	1/4	501	1/4	895	1/4	1,289	1/4	1,683	1/4		1/4		1/4		1/4		1/4	
1/2	115	1/2	509	1/2	903	1/2	1,297	1/2	1,691	1/2		1/2		1/2		1/2		1/2	
3/4	123	3/4	517	3/4	911	3/4	1,305	3/4	1,699	3/4		3/4		3/4		3/4		3/4	
4	131	4	525	4	919	4	1,313	4	1,707	4		4		4		4		4	
1/4	140	1/4	534	1/4	927	1/4	1,321	1/4	1,715	1/4		1/4		1/4		1/4		1/4	
1/2	148	1/2	542	1/2	936	1/2	1,330	1/2	1,724	1/2		1/2		1/2		1/2		1/2	
3/4	156	3/4	550	3/4	944	3/4	1,338	3/4	1,732	3/4		3/4		3/4		3/4		3/4	
5	164	5	558	5	952	5	1,346	5	1,740	5		5		5		5		5	
1/4	172	1/4	566	1/4	960	1/4	1,354	1/4	1,748	1/4		1/4		1/4		1/4		1/4	
1/2	181	1/2	575	1/2	969	1/2	1,362	1/2	1,756	1/2		1/2		1/2		1/2		1/2	
3/4	189	3/4	583	3/4	977	3/4	1,371	3/4	1,765	3/4		3/4		3/4		3/4		3/4	
6	197	6	591	6	985	6	1,379	6	1,773	6		6		6		6		6	
1/4	205	1/4	599	1/4	993	1/4	1,387	1/4	1,781	1/4		1/4		1/4		1/4		1/4	
1/2	213	1/2	607	1/2	1,001	1/2	1,395	1/2	1,789	1/2		1/2		1/2		1/2		1/2	
3/4	222	3/4	616	3/4	1,010	3/4	1,404	3/4	1,798	3/4		3/4		3/4		3/4		3/4	
7	230	7	624	7	1,018	7	1,412	7	1,806	7		7		7		7		7	
1/4	238	1/4	632	1/4	1,026	1/4	1,420	1/4	1,814	1/4		1/4		1/4		1/4		1/4	
1/2	246	1/2	640	1/2	1,034	1/2	1,428	1/2	1,822	1/2		1/2		1/2		1/2		1/2	
3/4	254	3/4	648	3/4	1,042	3/4	1,436	3/4	1,830	3/4		3/4		3/4		3/4		3/4	
8	263	8	657	8	1,051	8	1,445	8	1,839	8		8		8		8		8	
1/4	271	1/4	665	1/4	1,059	1/4	1,453	1/4	1,847	1/4		1/4		1/4		1/4		1/4	
1/2	279	1/2	673	1/2	1,067	1/2	1,461	1/2	1,855	1/2		1/2		1/2		1/2		1/2	
3/4	287	3/4	681	3/4	1,075	3/4	1,469	3/4	1,863	3/4		3/4		3/4		3/4		3/4	
9	295	9	689	9	1,083	9	1,477	9	1,871	9		9		9		9		9	
1/4	304	1/4	698	1/4	1,092	1/4	1,486	1/4	1,880	1/4		1/4		1/4		1/4		1/4	
1/2	312	1/2	706	1/2	1,100	1/2	1,494	1/2	1,888	1/2		1/2		1/2		1/2		1/2	
3/4	320	3/4	714	3/4	1,108	3/4	1,502	3/4	1,896	3/4		3/4		3/4		3/4		3/4	
10	328	10	722	10	1,116	10	1,510	10	1,904	10		10		10		10		10	
1/4	337	1/4	730	1/4	1,124	1/4	1,518	1/4	1,912	1/4		1/4		1/4		1/4		1/4	
1/2	345	1/2	739	1/2	1,133	1/2	1,527	1/2	1,921	1/2		1/2		1/2		1/2		1/2	
3/4	353	3/4	747	3/4	1,141	3/4	1,535	3/4	1,929	3/4		3/4		3/4		3/4		3/4	
11	361	11	755	11	1,149	11	1,543	11	1,937	11		11		11		11		11	
1/4	369	1/4	763	1/4	1,157	1/4	1,551	1/4	1,945	1/4		1/4		1/4		1/4		1/4	
1/2	378	1/2	772	1/2	1,166	1/2	1,559	1/2	1,953	1/2		1/2		1/2		1/2		1/2	
3/4	386	3/4	780	3/4	1,174	3/4	1,568	3/4	1,962	3/4		3/4		3/4		3/4		3/4	

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CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.  
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& ANALYSIS, INC.

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Pearland, Texas 77588  
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# BARGE "KIRBY 29076"

# SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

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	956	0	1,912	0	2,865	0	3,724	0	4,454	0		0		0		0	
1/4	20	1/4	976	1/4	1,932	1/4	2,884	1/4	3,740	1/4	4,464	1/4		1/4		1/4		1/4	
1/2	40	1/2	996	1/2	1,952	1/2	2,903	1/2	3,757	1/2	4,474	1/2		1/2		1/2		1/2	
3/4	60	3/4	1,016	3/4	1,972	3/4	2,922	3/4	3,773	3/4	4,484	3/4		3/4		3/4		3/4	
1	80	1	1,036	1	1,992	1	2,941	1	3,790	1	4,494	1		1		1		1	
1/4	100	1/4	1,056	1/4	2,012	1/4	2,960	1/4	3,806	1/4		1/4		1/4		1/4		1/4	
1/2	120	1/2	1,076	1/2	2,032	1/2	2,979	1/2	3,822	1/2		1/2		1/2		1/2		1/2	
3/4	139	3/4	1,096	3/4	2,052	3/4	2,998	3/4	3,838	3/4		3/4		3/4		3/4		3/4	
2	159	2	1,116	2	2,072	2	3,017	2	3,855	2		2		2		2		2	
1/4	179	1/4	1,135	1/4	2,092	1/4	3,035	1/4	3,871	1/4		1/4		1/4		1/4		1/4	
1/2	199	1/2	1,155	1/2	2,112	1/2	3,054	1/2	3,887	1/2		1/2		1/2		1/2		1/2	
3/4	219	3/4	1,175	3/4	2,132	3/4	3,073	3/4	3,903	3/4		3/4		3/4		3/4		3/4	
3	239	3	1,195	3	2,151	3	3,092	3	3,919	3		3		3		3		3	
1/4	259	1/4	1,215	1/4	2,171	1/4	3,110	1/4	3,934	1/4		1/4		1/4		1/4		1/4	
1/2	279	1/2	1,235	1/2	2,191	1/2	3,128	1/2	3,950	1/2		1/2		1/2		1/2		1/2	
3/4	299	3/4	1,255	3/4	2,211	3/4	3,147	3/4	3,966	3/4		3/4		3/4		3/4		3/4	
4	319	4	1,275	4	2,231	4	3,165	4	3,982	4		4		4		4		4	
1/4	339	1/4	1,295	1/4	2,251	1/4	3,184	1/4	3,997	1/4		1/4		1/4		1/4		1/4	
1/2	359	1/2	1,315	1/2	2,271	1/2	3,202	1/2	4,013	1/2		1/2		1/2		1/2		1/2	
3/4	378	3/4	1,335	3/4	2,291	3/4	3,220	3/4	4,028	3/4		3/4		3/4		3/4		3/4	
5	398	5	1,355	5	2,311	5	3,238	5	4,044	5		5		5		5		5	
1/4	418	1/4	1,375	1/4	2,331	1/4	3,256	1/4	4,059	1/4		1/4		1/4		1/4		1/4	
1/2	438	1/2	1,394	1/2	2,351	1/2	3,274	1/2	4,075	1/2		1/2		1/2		1/2		1/2	
3/4	458	3/4	1,414	3/4	2,371	3/4	3,292	3/4	4,090	3/4		3/4		3/4		3/4		3/4	
6	478	6	1,434	6	2,391	6	3,310	6	4,105	6		6		6		6		6	
1/4	498	1/4	1,454	1/4	2,410	1/4	3,328	1/4	4,120	1/4		1/4		1/4		1/4		1/4	
1/2	518	1/2	1,474	1/2	2,430	1/2	3,346	1/2	4,135	1/2		1/2		1/2		1/2		1/2	
3/4	538	3/4	1,494	3/4	2,450	3/4	3,364	3/4	4,151	3/4		3/4		3/4		3/4		3/4	
7	558	7	1,514	7	2,470	7	3,382	7	4,166	7		7		7		7		7	
1/4	578	1/4	1,534	1/4	2,490	1/4	3,399	1/4	4,181	1/4		1/4		1/4		1/4		1/4	
1/2	598	1/2	1,554	1/2	2,510	1/2	3,417	1/2	4,195	1/2		1/2		1/2		1/2		1/2	
3/4	618	3/4	1,574	3/4	2,530	3/4	3,434	3/4	4,210	3/4		3/4		3/4		3/4		3/4	
8	637	8	1,594	8	2,550	8	3,452	8	4,225	8		8		8		8		8	
1/4	657	1/4	1,614	1/4	2,570	1/4	3,469	1/4	4,240	1/4		1/4		1/4		1/4		1/4	
1/2	677	1/2	1,634	1/2	2,590	1/2	3,487	1/2	4,254	1/2		1/2		1/2		1/2		1/2	
3/4	697	3/4	1,653	3/4	2,610	3/4	3,504	3/4	4,269	3/4		3/4		3/4		3/4		3/4	
9	717	9	1,673	9	2,630	9	3,521	9	4,284	9		9		9		9		9	
1/4	737	1/4	1,693	1/4	2,649	1/4	3,538	1/4	4,298	1/4		1/4		1/4		1/4		1/4	
1/2	757	1/2	1,713	1/2	2,669	1/2	3,555	1/2	4,313	1/2		1/2		1/2		1/2		1/2	
3/4	777	3/4	1,733	3/4	2,689	3/4	3,573	3/4	4,327	3/4		3/4		3/4		3/4		3/4	
10	797	10	1,753	10	2,709	10	3,590	10	4,341	10		10		10		10		10	
1/4	817	1/4	1,773	1/4	2,728	1/4	3,607	1/4	4,356	1/4		1/4		1/4		1/4		1/4	
1/2	837	1/2	1,793	1/2	2,748	1/2	3,623	1/2	4,370	1/2		1/2		1/2		1/2		1/2	
3/4	857	3/4	1,813	3/4	2,768	3/4	3,640	3/4	4,384	3/4		3/4		3/4		3/4		3/4	
11	877	11	1,833	11	2,787	11	3,657	11	4,398	11		11		11		11		11	
1/4	896	1/4	1,853	1/4	2,807	1/4	3,674	1/4	4,412	1/4		1/4		1/4		1/4		1/4	
1/2	916	1/2	1,873	1/2	2,826	1/2	3,691	1/2	4,426	1/2		1/2		1/2		1/2		1/2	
3/4	936	3/4	1,892	3/4	2,845	3/4	3,707	3/4	4,440	3/4		3/4		3/4		3/4		3/4	

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