



BARGE "KIRBY 29142"

ULLAGE TRIM TABLE FORMERLY "SMS 30018"

	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	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4
1 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4
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	- 00-1/4	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	00-5/8	- 00-5/8	01-1/8	- 01-1/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-7/8	- 02-7/8	03-1/2	- 03-1/2
3 STBD	00-5/8	- 00-5/8	01-1/8	- 01-1/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-7/8	- 02-7/8	03-1/2	- 03-1/2

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

September 28, 2020

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

<http://www.pmacorp.net>



BARGE "KIRBY 29142"

1 PORT ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30018"

GAUGE HEIGHT 17'-02 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	5,130.37	0	4,786.15	0	4,427.51	0	4,065.93	0	3,704.34	0	3,342.76	0	2,981.18
1/4		1/4		1/4		1/4	5,123.33	1/4	4,778.79	1/4	4,419.98	1/4	4,058.39	1/4	3,696.81	1/4	3,335.23	1/4	2,973.64
1/2		1/2		1/2		1/2	5,116.28	1/2	4,771.42	1/2	4,412.44	1/2	4,050.86	1/2	3,689.27	1/2	3,327.69	1/2	2,966.11
3/4		3/4		3/4		3/4	5,109.24	3/4	4,764.05	3/4	4,404.91	3/4	4,043.33	3/4	3,681.74	3/4	3,320.16	3/4	2,958.57
1		1		1		1	5,102.20	1	4,756.69	1	4,397.38	1	4,035.80	1	3,674.21	1	3,312.63	1	2,951.04
1/4		1/4		1/4		1/4	5,095.15	1/4	4,749.32	1/4	4,389.85	1/4	4,028.26	1/4	3,666.68	1/4	3,305.10	1/4	2,943.51
1/2		1/2		1/2		1/2	5,088.11	1/2	4,741.96	1/2	4,382.31	1/2	4,020.73	1/2	3,659.14	1/2	3,297.56	1/2	2,935.97
3/4		3/4		3/4		3/4	5,081.06	3/4	4,734.59	3/4	4,374.78	3/4	4,013.19	3/4	3,651.61	3/4	3,290.03	3/4	2,928.44
2		2		2		2	5,074.02	2	4,727.23	2	4,367.25	2	4,005.66	2	3,644.08	2	3,282.50	2	2,920.91
1/4		1/4		1/4		1/4	5,066.98	1/4	4,719.86	1/4	4,359.72	1/4	3,998.13	1/4	3,636.55	1/4	3,274.96	1/4	2,913.38
1/2		1/2		1/2		1/2	5,059.93	1/2	4,712.50	1/2	4,352.18	1/2	3,990.59	1/2	3,629.01	1/2	3,267.43	1/2	2,905.84
3/4		3/4		3/4		3/4	5,311.78	3/4	5,052.89	3/4	4,705.13	3/4	4,344.65	3/4	3,983.06	3/4	3,621.48	3/4	3,259.89
3		3		3		3	5,045.77	3	4,697.68	3	4,337.12	3	3,975.53	3	3,613.95	3	3,252.36	3	2,898.31
1/4		1/4		1/4		1/4	5,310.52	1/4	5,038.64	1/4	4,690.24	1/4	4,329.58	1/4	3,968.00	1/4	3,606.42	1/4	3,244.83
1/2		1/2		1/2		1/2	5,309.89	1/2	5,031.52	1/2	4,682.79	1/2	4,322.05	1/2	3,960.46	1/2	3,598.88	1/2	3,237.29
3/4		3/4		3/4		3/4	5,309.26	3/4	5,024.39	3/4	4,675.34	3/4	4,314.51	3/4	3,952.93	3/4	3,591.35	3/4	3,229.76
4		4		4		4	5,307.37	4	5,017.27	4	4,667.89	4	4,306.98	4	3,945.40	4	3,583.82	4	3,222.23
1/4		1/4		1/4		1/4	5,305.48	1/4	5,010.14	1/4	4,660.45	1/4	4,299.45	1/4	3,937.87	1/4	3,576.28	1/4	3,214.70
1/2		1/2		1/2		1/2	5,303.58	1/2	5,003.02	1/2	4,653.00	1/2	4,291.91	1/2	3,930.33	1/2	3,568.75	1/2	3,207.16
3/4		3/4		3/4		3/4	5,301.69	3/4	4,995.89	3/4	4,645.55	3/4	4,284.38	3/4	3,922.80	3/4	3,561.21	3/4	3,199.63
5		5		5		5	5,298.54	5	4,988.77	5	4,638.10	5	4,276.85	5	3,915.27	5	3,553.68	5	3,192.10
1/4		1/4		1/4		1/4	5,295.39	1/4	4,981.65	1/4	4,630.66	1/4	4,269.32	1/4	3,907.74	1/4	3,546.15	1/4	3,184.57
1/2		1/2		1/2		1/2	5,292.23	1/2	4,974.52	1/2	4,623.21	1/2	4,261.78	1/2	3,900.20	1/2	3,538.61	1/2	3,177.03
3/4		3/4		3/4		3/4	5,289.08	3/4	4,967.40	3/4	4,615.76	3/4	4,254.25	3/4	3,892.67	3/4	3,531.08	3/4	3,169.50
6		6		6		6	5,284.67	6	4,960.20	6	4,608.23	6	4,246.72	6	3,885.14	6	3,523.55	6	3,161.97
1/4		1/4		1/4		1/4	5,280.25	1/4	4,952.99	1/4	4,600.71	1/4	4,239.19	1/4	3,877.60	1/4	3,516.02	1/4	3,154.44
1/2		1/2		1/2		1/2	5,275.84	1/2	4,945.79	1/2	4,593.18	1/2	4,231.65	1/2	3,870.07	1/2	3,508.48	1/2	3,146.90
3/4		3/4		3/4		3/4	5,271.42	3/4	4,938.58	3/4	4,585.65	3/4	4,224.12	3/4	3,862.53	3/4	3,500.95	3/4	3,139.37
7		7		7		7	5,265.75	7	4,931.38	7	4,578.13	7	4,216.59	7	3,855.00	7	3,493.42	7	3,131.84
1/4		1/4		1/4		1/4	5,260.07	1/4	4,924.17	1/4	4,570.60	1/4	4,209.06	1/4	3,847.47	1/4	3,485.89	1/4	3,124.30
1/2		1/2		1/2		1/2	5,254.40	1/2	4,916.97	1/2	4,563.08	1/2	4,201.52	1/2	3,839.93	1/2	3,478.35	1/2	3,116.77
3/4		3/4		3/4		3/4	5,248.72	3/4	4,909.76	3/4	4,555.55	3/4	4,193.99	3/4	3,832.40	3/4	3,470.82	3/4	3,109.23
8		8		8		8	5,241.78	8	4,902.56	8	4,548.02	8	4,186.46	8	3,824.87	8	3,463.29	8	3,101.70
1/4		1/4		1/4		1/4	5,234.85	1/4	4,895.35	1/4	4,540.50	1/4	4,178.92	1/4	3,817.34	1/4	3,455.76	1/4	3,094.17
1/2		1/2		1/2		1/2	5,227.91	1/2	4,888.15	1/2	4,532.97	1/2	4,171.39	1/2	3,809.80	1/2	3,448.22	1/2	3,086.63
3/4		3/4		3/4		3/4	5,220.97	3/4	4,880.94	3/4	4,525.44	3/4	4,163.85	3/4	3,802.27	3/4	3,440.69	3/4	3,079.10
9		9		9		9	5,214.01	9	4,873.66	9	4,517.91	9	4,156.32	9	3,794.74	9	3,433.16	9	3,071.57
1/4		1/4		1/4		1/4	5,207.05	1/4	4,866.37	1/4	4,510.38	1/4	4,148.79	1/4	3,787.21	1/4	3,425.62	1/4	3,064.04
1/2		1/2		1/2		1/2	5,200.08	1/2	4,859.09	1/2	4,502.84	1/2	4,141.25	1/2	3,779.67	1/2	3,418.09	1/2	3,056.50
3/4		3/4		3/4		3/4	5,193.12	3/4	4,851.80	3/4	4,495.31	3/4	4,133.72	3/4	3,772.14	3/4	3,410.55	3/4	3,048.97
10		10		10		10	5,186.16	10	4,844.52	10	4,487.78	10	4,126.19	10	3,764.61	10	3,403.02	10	3,041.44
1/4		1/4		1/4		1/4	5,179.20	1/4	4,837.23	1/4	4,480.24	1/4	4,118.65	1/4	3,757.08	1/4	3,395.49	1/4	3,033.91
1/2		1/2		1/2		1/2	5,172.23	1/2	4,829.95	1/2	4,472.71	1/2	4,111.12	1/2	3,749.54	1/2	3,387.95	1/2	3,026.37
3/4		3/4		3/4		3/4	5,165.27	3/4	4,822.66	3/4	4,465.17	3/4	4,103.59	3/4	3,742.01	3/4	3,380.42	3/4	3,018.84
11		11		11		11	5,158.31	11	4,815.38	11	4,457.64	11	4,096.06	11	3,734.48	11	3,372.89	11	3,011.31
1/4		1/4		1/4		1/4	5,151.34	1/4	4,808.09	1/4	4,450.11	1/4	4,088.52	1/4	3,726.94	1/4	3,365.36	1/4	3,003.78
1/2		1/2		1/2		1/2	5,144.38	1/2	4,800.81	1/2	4,442.57	1/2	4,080.99	1/2	3,719.41	1/2	3,357.82	1/2	2,996.24
3/4		3/4		3/4		3/4	5,137.41	3/4	4,793.52	3/4	4,435.04	3/4	4,073.46	3/4	3,711.87	3/4	3,350.29	3/4	2,988.71

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "KIRBY 29142"

1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30018"

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	2,619.59	0	2,258.01	0	1,896.42	0	1,534.84	0	1,172.87	0	810.05	0	446.79	0	83.90	0		0	
1/4	2,612.06	1/4	2,250.48	1/4	1,888.89	1/4	1,527.31	1/4	1,165.33	1/4	802.49	1/4	439.22	1/4	76.71	1/4		1/4	
1/2	2,604.52	1/2	2,242.94	1/2	1,881.35	1/2	1,519.77	1/2	1,157.78	1/2	794.92	1/2	431.65	1/2	69.52	1/2		1/2	
3/4	2,596.99	3/4	2,235.41	3/4	1,873.82	3/4	1,512.24	3/4	1,150.23	3/4	787.35	3/4	424.08	3/4	62.33	3/4		3/4	
1	2,589.46	1	2,227.88	1	1,866.29	1	1,504.71	1	1,142.69	1	779.78	1	416.51	1	56.28	1		1	
1/4	2,581.93	1/4	2,220.34	1/4	1,858.76	1/4	1,497.18	1/4	1,135.14	1/4	772.22	1/4	408.95	1/4	50.23	1/4		1/4	
1/2	2,574.39	1/2	2,212.81	1/2	1,851.22	1/2	1,489.64	1/2	1,127.60	1/2	764.65	1/2	401.38	1/2	44.17	1/2		1/2	
3/4	2,566.86	3/4	2,205.27	3/4	1,843.69	3/4	1,482.11	3/4	1,120.05	3/4	757.08	3/4	393.81	3/4	38.12	3/4		3/4	
2	2,559.33	2	2,197.74	2	1,836.16	2	1,474.58	2	1,112.50	2	749.51	2	386.24	2	33.58	2		2	
1/4	2,551.80	1/4	2,190.21	1/4	1,828.63	1/4	1,467.04	1/4	1,104.96	1/4	741.94	1/4	378.68	1/4	29.04	1/4		1/4	
1/2	2,544.26	1/2	2,182.67	1/2	1,821.09	1/2	1,459.51	1/2	1,097.41	1/2	734.37	1/2	371.11	1/2	24.50	1/2		1/2	
3/4	2,536.73	3/4	2,175.14	3/4	1,813.56	3/4	1,451.97	3/4	1,089.86	3/4	726.80	3/4	363.54	3/4	19.96	3/4		3/4	
3	2,529.20	3	2,167.61	3	1,806.03	3	1,444.44	3	1,082.31	3	719.23	3	355.97	3		3		3	
1/4	2,521.66	1/4	2,160.08	1/4	1,798.50	1/4	1,436.91	1/4	1,074.77	1/4	711.67	1/4	348.41	1/4		1/4		1/4	
1/2	2,514.13	1/2	2,152.54	1/2	1,790.96	1/2	1,429.37	1/2	1,067.22	1/2	704.10	1/2	340.84	1/2		1/2		1/2	
3/4	2,506.59	3/4	2,145.01	3/4	1,783.43	3/4	1,421.84	3/4	1,059.67	3/4	696.53	3/4	333.27	3/4		3/4		3/4	
4	2,499.06	4	2,137.48	4	1,775.90	4	1,414.31	4	1,052.12	4	688.96	4	325.70	4	4	4		4	
1/4	2,491.53	1/4	2,129.95	1/4	1,768.36	1/4	1,406.78	1/4	1,044.58	1/4	681.40	1/4	318.14	1/4		1/4		1/4	
1/2	2,483.99	1/2	2,122.41	1/2	1,760.83	1/2	1,399.24	1/2	1,037.03	1/2	673.83	1/2	310.57	1/2		1/2		1/2	
3/4	2,476.46	3/4	2,114.88	3/4	1,753.29	3/4	1,391.71	3/4	1,029.48	3/4	666.26	3/4	303.00	3/4		3/4		3/4	
5	2,468.93	5	2,107.35	5	1,745.76	5	1,384.17	5	1,021.92	5	658.69	5	295.43	5	5	5		5	
1/4	2,461.40	1/4	2,099.82	1/4	1,738.23	1/4	1,376.63	1/4	1,014.37	1/4	651.13	1/4	287.86	1/4		1/4		1/4	
1/2	2,453.86	1/2	2,092.28	1/2	1,730.69	1/2	1,369.09	1/2	1,006.81	1/2	643.56	1/2	280.29	1/2		1/2		1/2	
3/4	2,446.33	3/4	2,084.75	3/4	1,723.16	3/4	1,361.55	3/4	999.25	3/4	635.99	3/4	272.72	3/4		3/4		3/4	
6	2,438.80	6	2,077.22	6	1,715.63	6	1,354.00	6	991.68	6	628.42	6	265.15	6	6	6		6	
1/4	2,431.27	1/4	2,069.68	1/4	1,708.10	1/4	1,346.46	1/4	984.12	1/4	620.86	1/4	257.59	1/4		1/4		1/4	
1/2	2,423.73	1/2	2,062.15	1/2	1,700.56	1/2	1,338.91	1/2	976.55	1/2	613.29	1/2	250.02	1/2		1/2		1/2	
3/4	2,416.20	3/4	2,054.61	3/4	1,693.03	3/4	1,331.36	3/4	968.98	3/4	605.72	3/4	242.45	3/4		3/4		3/4	
7	2,408.67	7	2,047.08	7	1,685.50	7	1,323.81	7	961.41	7	598.15	7	234.88	7	7	7		7	
1/4	2,401.14	1/4	2,039.55	1/4	1,677.97	1/4	1,316.27	1/4	953.85	1/4	590.58	1/4	227.32	1/4		1/4		1/4	
1/2	2,393.60	1/2	2,032.01	1/2	1,670.43	1/2	1,308.72	1/2	946.28	1/2	583.01	1/2	219.75	1/2		1/2		1/2	
3/4	2,386.07	3/4	2,024.48	3/4	1,662.90	3/4	1,301.17	3/4	938.71	3/4	575.44	3/4	212.18	3/4		3/4		3/4	
8	2,378.54	8	2,016.95	8	1,655.37	8	1,293.63	8	931.14	8	567.87	8	204.61	8	8	8		8	
1/4	2,371.00	1/4	2,009.42	1/4	1,647.84	1/4	1,286.08	1/4	923.58	1/4	560.31	1/4	197.05	1/4		1/4		1/4	
1/2	2,363.47	1/2	2,001.88	1/2	1,640.30	1/2	1,278.54	1/2	916.01	1/2	552.74	1/2	189.48	1/2		1/2		1/2	
3/4	2,355.93	3/4	1,994.35	3/4	1,632.77	3/4	1,270.99	3/4	908.44	3/4	545.17	3/4	181.91	3/4		3/4		3/4	
9	2,348.40	9	1,986.82	9	1,625.24	9	1,263.44	9	900.87	9	537.60	9	174.34	9	9	9		9	
1/4	2,340.87	1/4	1,979.29	1/4	1,617.70	1/4	1,255.90	1/4	893.30	1/4	530.04	1/4	166.78	1/4		1/4		1/4	
1/2	2,333.33	1/2	1,971.75	1/2	1,610.17	1/2	1,248.35	1/2	885.73	1/2	522.47	1/2	159.21	1/2		1/2		1/2	
3/4	2,325.80	3/4	1,964.22	3/4	1,602.63	3/4	1,240.80	3/4	878.16	3/4	514.90	3/4	151.64	3/4		3/4		3/4	
10	2,318.27	10	1,956.69	10	1,595.10	10	1,233.25	10	870.59	10	507.33	10	144.07	10	10	10		10	
1/4	2,310.74	1/4	1,949.16	1/4	1,587.57	1/4	1,225.71	1/4	863.03	1/4	499.77	1/4	136.50	1/4		1/4		1/4	
1/2	2,303.20	1/2	1,941.62	1/2	1,580.03	1/2	1,218.16	1/2	855.46	1/2	492.20	1/2	128.93	1/2		1/2		1/2	
3/4	2,295.67	3/4	1,934.09	3/4	1,572.50	3/4	1,210.61	3/4	847.89	3/4	484.63	3/4	121.36	3/4		3/4		3/4	
11	2,288.14	11	1,926.56	11	1,564.97	11	1,203.06	11	840.32	11	477.06	11	113.79	11	11	11		11	
1/4	2,280.61	1/4	1,919.02	1/4	1,557.44	1/4	1,195.52	1/4	832.76	1/4	469.50	1/4	106.23	1/4		1/4		1/4	
1/2	2,273.07	1/2	1,911.49	1/2	1,549.90	1/2	1,187.97	1/2	825.19	1/2	461.93	1/2	98.66	1/2		1/2		1/2	
3/4	2,265.54	3/4	1,903.95	3/4	1,542.37	3/4	1,180.42	3/4	817.62	3/4	454.36	3/4	91.09	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/09/2010 INSP
RECALCULATED: 09/28/2020 PMA
REPRINTED: 09/28/2020 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2020

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



BARGE "KIRBY 29142"

1 STBD ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 17'-03"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30018"

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	5,137.41	0	4,793.52	0	4,435.04	0	4,073.46	0	3,711.87	0	3,350.29	0	2,988.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,130.37	1/4	4,786.15	1/4	4,427.51	1/4	4,065.93	1/4	3,704.34	1/4	3,342.76	1/4	2,981.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,123.33	1/2	4,778.79	1/2	4,419.98	1/2	4,058.39	1/2	3,696.81	1/2	3,335.23	1/2	2,973.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,116.28	3/4	4,771.42	3/4	4,412.44	3/4	4,050.86	3/4	3,689.27	3/4	3,327.69	3/4	2,966.11
1	1	1	1	1	1	1	5,109.24	1	4,764.05	1	4,404.91	1	4,043.33	1	3,681.74	1	3,320.16	1	2,958.57
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,102.20	1/4	4,756.69	1/4	4,397.38	1/4	4,035.80	1/4	3,674.21	1/4	3,312.63	1/4	2,951.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,095.15	1/2	4,749.32	1/2	4,389.85	1/2	4,028.26	1/2	3,666.68	1/2	3,305.10	1/2	2,943.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,088.11	3/4	4,741.96	3/4	4,382.31	3/4	4,020.73	3/4	3,659.14	3/4	3,297.56	3/4	2,935.97
2	2	2	2	2	2	2	5,081.06	2	4,734.59	2	4,374.78	2	4,013.19	2	3,651.61	2	3,290.03	2	2,928.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,074.02	1/4	4,727.23	1/4	4,367.25	1/4	4,005.66	1/4	3,644.08	1/4	3,282.50	1/4	2,920.91
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,066.98	1/2	4,719.86	1/2	4,359.72	1/2	3,998.13	1/2	3,636.55	1/2	3,274.96	1/2	2,913.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,059.93	3/4	4,712.50	3/4	4,352.18	3/4	3,990.59	3/4	3,629.01	3/4	3,267.43	3/4	2,905.84
3	3	3	3	3	5,311.78	3	5,052.89	3	4,705.13	3	4,344.65	3	3,983.06	3	3,621.48	3	3,259.89	3	2,898.31
1/4	1/4	1/4	1/4	1/4	5,311.15	1/4	5,045.77	1/4	4,697.68	1/4	4,337.12	1/4	3,975.53	1/4	3,613.95	1/4	3,252.36	1/4	2,890.78
1/2	1/2	1/2	1/2	1/2	5,310.52	1/2	5,038.64	1/2	4,690.24	1/2	4,329.58	1/2	3,968.00	1/2	3,606.42	1/2	3,244.83	1/2	2,883.25
3/4	3/4	3/4	3/4	3/4	5,309.89	3/4	5,031.52	3/4	4,682.79	3/4	4,322.05	3/4	3,960.46	3/4	3,598.88	3/4	3,237.29	3/4	2,875.71
4	4	4	4	4	5,309.26	4	5,024.39	4	4,675.34	4	4,314.51	4	3,952.93	4	3,591.35	4	3,229.76	4	2,868.18
1/4	1/4	1/4	1/4	1/4	5,307.37	1/4	5,017.27	1/4	4,667.89	1/4	4,306.98	1/4	3,945.40	1/4	3,583.82	1/4	3,222.23	1/4	2,860.65
1/2	1/2	1/2	1/2	1/2	5,305.48	1/2	5,010.14	1/2	4,660.45	1/2	4,299.45	1/2	3,937.87	1/2	3,576.28	1/2	3,214.70	1/2	2,853.12
3/4	3/4	3/4	3/4	3/4	5,303.58	3/4	5,003.02	3/4	4,653.00	3/4	4,291.91	3/4	3,930.33	3/4	3,568.75	3/4	3,207.16	3/4	2,845.58
5	5	5	5	5	5,301.69	5	4,995.89	5	4,645.55	5	4,284.38	5	3,922.80	5	3,561.21	5	3,199.63	5	2,838.05
1/4	1/4	1/4	1/4	1/4	5,298.54	1/4	4,988.77	1/4	4,638.10	1/4	4,276.85	1/4	3,915.27	1/4	3,553.68	1/4	3,192.10	1/4	2,830.52
1/2	1/2	1/2	1/2	1/2	5,295.39	1/2	4,981.65	1/2	4,630.66	1/2	4,269.32	1/2	3,907.74	1/2	3,546.15	1/2	3,184.57	1/2	2,822.98
3/4	3/4	3/4	3/4	3/4	5,292.23	3/4	4,974.52	3/4	4,623.21	3/4	4,261.78	3/4	3,900.20	3/4	3,538.61	3/4	3,177.03	3/4	2,815.45
6	6	6	6	6	5,289.08	6	4,967.40	6	4,615.76	6	4,254.25	6	3,892.67	6	3,531.08	6	3,169.50	6	2,807.91
1/4	1/4	1/4	1/4	1/4	5,286.67	1/4	4,960.20	1/4	4,608.23	1/4	4,246.72	1/4	3,885.14	1/4	3,523.55	1/4	3,161.97	1/4	2,800.38
1/2	1/2	1/2	1/2	1/2	5,280.25	1/2	4,952.99	1/2	4,600.71	1/2	4,239.19	1/2	3,877.60	1/2	3,516.02	1/2	3,154.44	1/2	2,792.85
3/4	3/4	3/4	3/4	3/4	5,275.84	3/4	4,945.79	3/4	4,593.18	3/4	4,231.65	3/4	3,870.07	3/4	3,508.48	3/4	3,146.90	3/4	2,785.31
7	7	7	7	7	5,271.42	7	4,938.58	7	4,585.65	7	4,224.12	7	3,862.53	7	3,500.95	7	3,139.37	7	2,777.78
1/4	1/4	1/4	1/4	1/4	5,265.75	1/4	4,931.38	1/4	4,578.13	1/4	4,216.59	1/4	3,855.00	1/4	3,493.42	1/4	3,131.84	1/4	2,770.25
1/2	1/2	1/2	1/2	1/2	5,260.07	1/2	4,924.17	1/2	4,570.60	1/2	4,209.06	1/2	3,847.47	1/2	3,485.89	1/2	3,124.30	1/2	2,762.72
3/4	3/4	3/4	3/4	3/4	5,254.40	3/4	4,916.97	3/4	4,563.08	3/4	4,201.52	3/4	3,839.93	3/4	3,478.35	3/4	3,116.77	3/4	2,755.18
8	8	8	8	8	5,248.72	8	4,909.76	8	4,555.55	8	4,193.99	8	3,832.40	8	3,470.82	8	3,109.23	8	2,747.65
1/4	1/4	1/4	1/4	1/4	5,241.78	1/4	4,902.56	1/4	4,548.02	1/4	4,186.46	1/4	3,824.87	1/4	3,463.29	1/4	3,101.70	1/4	2,740.12
1/2	1/2	1/2	1/2	1/2	5,234.85	1/2	4,895.35	1/2	4,540.50	1/2	4,178.92	1/2	3,817.34	1/2	3,455.76	1/2	3,094.17	1/2	2,732.59
3/4	3/4	3/4	3/4	3/4	5,227.91	3/4	4,888.15	3/4	4,532.97	3/4	4,171.39	3/4	3,809.80	3/4	3,448.22	3/4	3,086.63	3/4	2,725.05
9	9	9	9	9	5,220.97	9	4,880.94	9	4,525.44	9	4,163.85	9	3,802.27	9	3,440.69	9	3,079.10	9	2,717.52
1/4	1/4	1/4	1/4	1/4	5,214.01	1/4	4,873.66	1/4	4,517.91	1/4	4,156.32	1/4	3,794.74	1/4	3,433.16	1/4	3,071.57	1/4	2,709.99
1/2	1/2	1/2	1/2	1/2	5,207.05	1/2	4,866.37	1/2	4,510.38	1/2	4,148.79	1/2	3,787.21	1/2	3,425.62	1/2	3,064.04	1/2	2,702.46
3/4	3/4	3/4	3/4	3/4	5,200.08	3/4	4,859.09	3/4	4,502.84	3/4	4,141.25	3/4	3,779.67	3/4	3,418.09	3/4	3,056.50	3/4	2,694.92
10	10	10	10	10	5,193.12	10	4,851.80	10	4,495.31	10	4,133.72	10	3,772.14	10	3,410.55	10	3,048.97	10	2,687.39
1/4	1/4	1/4	1/4	1/4	5,186.16	1/4	4,844.52	1/4	4,487.78	1/4	4,126.19	1/4	3,764.61	1/4	3,403.02	1/4	3,041.44	1/4	2,679.86
1/2	1/2	1/2	1/2	1/2	5,179.20	1/2	4,837.23	1/2	4,480.24	1/2	4,118.65	1/2	3,757.08	1/2	3,395.49	1/2	3,033.91	1/2	2,672.32
3/4	3/4	3/4	3/4	3/4	5,172.23	3/4	4,829.95	3/4	4,472.71	3/4	4,111.12	3/4	3,749.54	3/4	3,387.95	3/4	3,026.37	3/4	2,664.79
11	11	11	11	11	5,165.27	11	4,822.66	11	4,465.17	11	4,103.59	11	3,742.01	11	3,380.42	11	3,018.84	11	2,657.25
1/4	1/4	1/4	1/4	1/4	5,158.31	1/4	4,815.38	1/4	4,457.64	1/4	4,096.06	1/4	3,734.48	1/4	3,372.89	1/4	3,011.31	1/4	2,649.72
1/2	1/2	1/2	1/2	1/2	5,151.34	1/2	4,808.09	1/2	4,450.11	1/2	4,088.52	1/2	3,726.94	1/2	3,365.36	1/2	3,003.78	1/2	2,642.19
3/4	3/4	3/4	3/4	3/4	5,144.38	3/4	4,800.81	3/4	4,442.57	3/4	4,080.99	3/4	3,719.41	3/4	3,357.82	3/4	2,996.24	3/4	2,634.65

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29142"

1 STBD

ULLAGE TABLE
HERMETIC

GAUGE HEIGHT 17'-03"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30018"

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	2,627.12	0	2,265.54	0	1,903.95	0	1,542.37	0	1,180.42	0	817.62	0	454.36	0	91.09	0		0	
1/4	2,619.59	1/4	2,258.01	1/4	1,896.42	1/4	1,534.84	1/4	1,172.87	1/4	810.05	1/4	446.79	1/4	83.90	1/4		1/4	
1/2	2,612.06	1/2	2,250.48	1/2	1,888.89	1/2	1,527.31	1/2	1,165.33	1/2	802.49	1/2	439.22	1/2	76.71	1/2		1/2	
3/4	2,604.52	3/4	2,242.94	3/4	1,881.35	3/4	1,519.77	3/4	1,157.78	3/4	794.92	3/4	431.65	3/4	69.52	3/4		3/4	
1	2,596.99	1	2,235.41	1	1,873.82	1	1,512.24	1	1,150.23	1	787.35	1	424.08	1	62.33	1		1	
1/4	2,589.46	1/4	2,227.88	1/4	1,866.29	1/4	1,504.71	1/4	1,142.69	1/4	779.78	1/4	416.51	1/4	56.28	1/4		1/4	
1/2	2,581.93	1/2	2,220.34	1/2	1,858.76	1/2	1,497.18	1/2	1,135.14	1/2	772.22	1/2	408.95	1/2	50.23	1/2		1/2	
3/4	2,574.39	3/4	2,212.81	3/4	1,851.22	3/4	1,489.64	3/4	1,127.60	3/4	764.65	3/4	401.38	3/4	44.17	3/4		3/4	
2	2,566.86	2	2,205.27	2	1,843.69	2	1,482.11	2	1,120.05	2	757.08	2	393.81	2	38.12	2		2	
1/4	2,559.33	1/4	2,197.74	1/4	1,836.16	1/4	1,474.58	1/4	1,112.50	1/4	749.51	1/4	386.24	1/4	33.58	1/4		1/4	
1/2	2,551.80	1/2	2,190.21	1/2	1,828.63	1/2	1,467.04	1/2	1,104.96	1/2	741.94	1/2	378.68	1/2	29.04	1/2		1/2	
3/4	2,544.26	3/4	2,182.67	3/4	1,821.09	3/4	1,459.51	3/4	1,097.41	3/4	734.37	3/4	371.11	3/4	24.50	3/4		3/4	
3	2,536.73	3	2,175.14	3	1,813.56	3	1,451.97	3	1,089.86	3	726.80	3	363.54	3	19.96	3		3	
1/4	2,529.20	1/4	2,167.61	1/4	1,806.03	1/4	1,444.44	1/4	1,082.31	1/4	719.23	1/4	355.97	1/4		1/4		1/4	
1/2	2,521.66	1/2	2,160.08	1/2	1,798.50	1/2	1,436.91	1/2	1,074.77	1/2	711.67	1/2	348.41	1/2		1/2		1/2	
3/4	2,514.13	3/4	2,152.54	3/4	1,790.96	3/4	1,429.37	3/4	1,067.22	3/4	704.10	3/4	340.84	3/4		3/4		3/4	
4	2,506.59	4	2,145.01	4	1,783.43	4	1,421.84	4	1,059.67	4	696.53	4	333.27	4		4		4	
1/4	2,499.06	1/4	2,137.48	1/4	1,775.90	1/4	1,414.31	1/4	1,052.12	1/4	688.96	1/4	325.70	1/4		1/4		1/4	
1/2	2,491.53	1/2	2,129.95	1/2	1,768.36	1/2	1,406.78	1/2	1,044.58	1/2	681.40	1/2	318.14	1/2		1/2		1/2	
3/4	2,483.99	3/4	2,122.41	3/4	1,760.83	3/4	1,399.24	3/4	1,037.03	3/4	673.83	3/4	310.57	3/4		3/4		3/4	
5	2,476.46	5	2,114.88	5	1,753.29	5	1,391.71	5	1,029.48	5	666.26	5	303.00	5		5		5	
1/4	2,468.93	1/4	2,107.35	1/4	1,745.76	1/4	1,384.17	1/4	1,021.92	1/4	658.69	1/4	295.43	1/4		1/4		1/4	
1/2	2,461.40	1/2	2,099.82	1/2	1,738.23	1/2	1,376.63	1/2	1,014.37	1/2	651.13	1/2	287.86	1/2		1/2		1/2	
3/4	2,453.86	3/4	2,092.28	3/4	1,730.69	3/4	1,369.09	3/4	1,006.81	3/4	643.56	3/4	280.29	3/4		3/4		3/4	
6	2,446.33	6	2,084.75	6	1,723.16	6	1,361.55	6	999.25	6	635.99	6	272.72	6		6		6	
1/4	2,438.80	1/4	2,077.22	1/4	1,715.63	1/4	1,354.00	1/4	991.68	1/4	628.42	1/4	265.15	1/4		1/4		1/4	
1/2	2,431.27	1/2	2,069.68	1/2	1,708.10	1/2	1,346.46	1/2	984.12	1/2	620.86	1/2	257.59	1/2		1/2		1/2	
3/4	2,423.73	3/4	2,062.15	3/4	1,700.56	3/4	1,338.91	3/4	976.55	3/4	613.29	3/4	250.02	3/4		3/4		3/4	
7	2,416.20	7	2,054.61	7	1,693.03	7	1,331.36	7	968.98	7	605.72	7	242.45	7		7		7	
1/4	2,408.67	1/4	2,047.08	1/4	1,685.50	1/4	1,323.81	1/4	961.41	1/4	598.15	1/4	234.88	1/4		1/4		1/4	
1/2	2,401.14	1/2	2,039.55	1/2	1,677.97	1/2	1,316.27	1/2	953.85	1/2	590.58	1/2	227.32	1/2		1/2		1/2	
3/4	2,393.60	3/4	2,032.01	3/4	1,670.43	3/4	1,308.72	3/4	946.28	3/4	583.01	3/4	219.75	3/4		3/4		3/4	
8	2,386.07	8	2,024.48	8	1,662.90	8	1,301.17	8	938.71	8	575.44	8	212.18	8		8		8	
1/4	2,378.54	1/4	2,016.95	1/4	1,655.37	1/4	1,293.63	1/4	931.14	1/4	567.87	1/4	204.61	1/4		1/4		1/4	
1/2	2,371.00	1/2	2,009.42	1/2	1,647.84	1/2	1,286.08	1/2	923.58	1/2	560.31	1/2	197.05	1/2		1/2		1/2	
3/4	2,363.47	3/4	2,001.88	3/4	1,640.30	3/4	1,278.54	3/4	916.01	3/4	552.74	3/4	189.48	3/4		3/4		3/4	
9	2,355.93	9	1,994.35	9	1,632.77	9	1,270.99	9	908.44	9	545.17	9	181.91	9		9		9	
1/4	2,348.40	1/4	1,986.82	1/4	1,625.24	1/4	1,263.44	1/4	900.87	1/4	537.60	1/4	174.34	1/4		1/4		1/4	
1/2	2,340.87	1/2	1,979.29	1/2	1,617.70	1/2	1,255.90	1/2	893.30	1/2	530.04	1/2	166.78	1/2		1/2		1/2	
3/4	2,333.33	3/4	1,971.75	3/4	1,610.17	3/4	1,248.35	3/4	885.73	3/4	522.47	3/4	159.21	3/4		3/4		3/4	
10	2,325.80	10	1,964.22	10	1,602.63	10	1,240.80	10	878.16	10	514.90	10	151.64	10		10		10	
1/4	2,318.27	1/4	1,956.69	1/4	1,595.10	1/4	1,233.25	1/4	870.59	1/4	507.33	1/4	144.07	1/4		1/4		1/4	
1/2	2,310.74	1/2	1,949.16	1/2	1,587.57	1/2	1,225.71	1/2	863.03	1/2	499.77	1/2	136.50	1/2		1/2		1/2	
3/4	2,303.20	3/4	1,941.62	3/4	1,580.03	3/4	1,218.16	3/4	855.46	3/4	492.20	3/4	128.93	3/4		3/4		3/4	
11	2,295.67	11	1,934.09	11	1,572.50	11	1,210.61	11	847.89	11	484.63	11	121.36	11		11		11	
1/4	2,288.14	1/4	1,926.56	1/4	1,564.97	1/4	1,203.06	1/4	840.32	1/4	477.06	1/4	113.79	1/4		1/4		1/4	
1/2	2,280.61	1/2	1,919.02	1/2	1,557.44	1/2	1,195.52	1/2	832.76	1/2	469.50	1/2	106.23	1/2		1/2		1/2	
3/4	2,273.07	3/4	1,911.49	3/4	1,549.90	3/4	1,187.97	3/4	825.19	3/4	461.93	3/4	98.66	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/09/2010 INSP
RECALCULATED: 09/28/2020 PMA
REPRINTED: 09/28/2020 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2020

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



BARGE "KIRBY 29142"

2 PORT ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30018"

GAUGE HEIGHT 17'-03 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	5,131.00	0	4,787.43	0	4,429.55	0	4,069.50	0	3,709.45	0	3,349.41	0	2,989.36
1/4		1/4		1/4		1/4	5,124.04	1/4	4,780.14	1/4	4,422.05	1/4	4,062.00	1/4	3,701.95	1/4	3,341.91	1/4	2,981.86
1/2		1/2		1/2		1/2	5,117.00	1/2	4,772.78	1/2	4,414.55	1/2	4,054.50	1/2	3,694.45	1/2	3,334.41	1/2	2,974.36
3/4		3/4		3/4		3/4	5,109.95	3/4	4,765.41	3/4	4,407.05	3/4	4,047.00	3/4	3,686.95	3/4	3,326.91	3/4	2,966.86
1		1		1		1	5,102.91	1	4,758.05	1	4,399.55	1	4,039.50	1	3,679.45	1	3,319.40	1	2,959.35
1/4		1/4		1/4		1/4	5,095.86	1/4	4,750.68	1/4	4,392.05	1/4	4,032.00	1/4	3,671.95	1/4	3,311.90	1/4	2,951.85
1/2		1/2		1/2		1/2	5,088.82	1/2	4,743.31	1/2	4,384.55	1/2	4,024.50	1/2	3,664.45	1/2	3,304.40	1/2	2,944.35
3/4		3/4		3/4		3/4	5,081.78	3/4	4,735.95	3/4	4,377.05	3/4	4,017.00	3/4	3,656.95	3/4	3,296.90	3/4	2,936.85
2		2		2		2	5,074.73	2	4,728.58	2	4,369.54	2	4,009.49	2	3,649.45	2	3,289.40	2	2,929.35
1/4		1/4		1/4		1/4	5,067.69	1/4	4,721.21	1/4	4,362.04	1/4	4,001.99	1/4	3,641.95	1/4	3,281.90	1/4	2,921.85
1/2		1/2		1/2		1/2	5,060.65	1/2	4,713.85	1/2	4,354.54	1/2	3,994.49	1/2	3,634.45	1/2	3,274.40	1/2	2,914.35
3/4		3/4		3/4		3/4	5,053.60	3/4	4,706.48	3/4	4,347.04	3/4	3,986.99	3/4	3,626.95	3/4	3,266.90	3/4	2,906.85
3		3		3		3	5,046.56	3	4,699.12	3	4,339.54	3	3,979.49	3	3,619.44	3	3,259.39	3	2,899.35
1/4		1/4		1/4		1/4	5,298.40	1/4	5,039.51	1/4	4,691.75	1/4	4,332.04	1/4	3,971.99	1/4	3,611.94	1/4	3,251.89
1/2		1/2		1/2		1/2	5,297.77	1/2	5,032.39	1/2	4,684.30	1/2	4,324.54	1/2	3,964.49	1/2	3,604.44	1/2	3,244.39
3/4		3/4		3/4		3/4	5,297.14	3/4	5,025.26	3/4	4,676.86	3/4	4,317.04	3/4	3,956.99	3/4	3,596.94	3/4	3,236.89
4		4		4		4	5,296.51	4	5,018.14	4	4,669.41	4	4,309.53	4	3,949.49	4	3,589.44	4	3,229.39
1/4		1/4		1/4		1/4	5,295.88	1/4	5,011.01	1/4	4,661.96	1/4	4,302.03	1/4	3,941.99	1/4	3,581.94	1/4	3,221.89
1/2		1/2		1/2		1/2	5,293.99	1/2	5,003.89	1/2	4,654.51	1/2	4,294.53	1/2	3,934.49	1/2	3,574.44	1/2	3,214.39
3/4		3/4		3/4		3/4	5,292.10	3/4	4,996.77	3/4	4,647.07	3/4	4,287.03	3/4	3,926.99	3/4	3,566.94	3/4	3,206.89
5		5		5		5	5,290.20	5	4,989.64	5	4,639.62	5	4,279.53	5	3,919.48	5	3,559.43	5	3,199.39
1/4		1/4		1/4		1/4	5,288.31	1/4	4,982.52	1/4	4,632.17	1/4	4,272.03	1/4	3,911.98	1/4	3,551.93	1/4	3,191.89
1/2		1/2		1/2		1/2	5,285.16	1/2	4,975.40	1/2	4,624.73	1/2	4,264.53	1/2	3,904.48	1/2	3,544.43	1/2	3,184.39
3/4		3/4		3/4		3/4	5,282.01	3/4	4,968.27	3/4	4,617.28	3/4	4,257.03	3/4	3,896.98	3/4	3,536.93	3/4	3,176.89
6		6		6		6	5,278.85	6	4,961.15	6	4,609.84	6	4,249.53	6	3,889.48	6	3,529.43	6	3,169.38
1/4		1/4		1/4		1/4	5,275.70	1/4	4,954.02	1/4	4,602.39	1/4	4,242.03	1/4	3,881.98	1/4	3,521.93	1/4	3,161.88
1/2		1/2		1/2		1/2	5,271.29	1/2	4,946.82	1/2	4,594.86	1/2	4,234.53	1/2	3,874.48	1/2	3,514.43	1/2	3,154.38
3/4		3/4		3/4		3/4	5,266.88	3/4	4,939.61	3/4	4,587.34	3/4	4,227.03	3/4	3,866.98	3/4	3,506.93	3/4	3,146.88
7		7		7		7	5,262.46	7	4,932.41	7	4,579.81	7	4,219.52	7	3,859.47	7	3,499.43	7	3,139.38
1/4		1/4		1/4		1/4	5,258.05	1/4	4,925.20	1/4	4,572.28	1/4	4,212.02	1/4	3,851.97	1/4	3,491.93	1/4	3,131.88
1/2		1/2		1/2		1/2	5,252.37	1/2	4,918.00	1/2	4,564.75	1/2	4,204.52	1/2	3,844.47	1/2	3,484.43	1/2	3,124.38
3/4		3/4		3/4		3/4	5,246.70	3/4	4,910.79	3/4	4,557.23	3/4	4,197.02	3/4	3,836.97	3/4	3,476.93	3/4	3,116.88
8		8		8		8	5,241.02	8	4,903.59	8	4,549.70	8	4,189.52	8	3,829.47	8	3,469.42	8	3,109.37
1/4		1/4		1/4		1/4	5,235.34	1/4	4,896.38	1/4	4,542.17	1/4	4,182.02	1/4	3,821.97	1/4	3,461.92	1/4	3,101.87
1/2		1/2		1/2		1/2	5,228.40	1/2	4,889.18	1/2	4,534.64	1/2	4,174.52	1/2	3,814.47	1/2	3,454.42	1/2	3,094.37
3/4		3/4		3/4		3/4	5,221.47	3/4	4,881.97	3/4	4,527.12	3/4	4,167.02	3/4	3,806.97	3/4	3,446.92	3/4	3,086.87
9		9		9		9	5,214.53	9	4,874.77	9	4,519.59	9	4,159.51	9	3,799.47	9	3,439.42	9	3,079.37
1/4		1/4		1/4		1/4	5,207.59	1/4	4,867.56	1/4	4,512.06	1/4	4,152.01	1/4	3,791.97	1/4	3,431.92	1/4	3,071.87
1/2		1/2		1/2		1/2	5,200.63	1/2	4,860.28	1/2	4,504.56	1/2	4,144.51	1/2	3,784.47	1/2	3,424.42	1/2	3,064.37
3/4		3/4		3/4		3/4	5,193.67	3/4	4,852.99	3/4	4,497.06	3/4	4,137.01	3/4	3,776.97	3/4	3,416.92	3/4	3,056.87
10		10		10		10	5,186.70	10	4,845.71	10	4,489.56	10	4,129.51	10	3,769.46	10	3,409.41	10	3,049.37
1/4		1/4		1/4		1/4	5,179.74	1/4	4,838.42	1/4	4,482.06	1/4	4,122.01	1/4	3,761.96	1/4	3,401.91	1/4	3,041.87
1/2		1/2		1/2		1/2	5,172.78	1/2	4,831.14	1/2	4,474.56	1/2	4,114.51	1/2	3,754.46	1/2	3,394.41	1/2	3,034.37
3/4		3/4		3/4		3/4	5,165.82	3/4	4,823.85	3/4	4,467.06	3/4	4,107.01	3/4	3,746.96	3/4	3,386.91	3/4	3,026.87
11		11		11		11	5,158.85	11	4,816.57	11	4,459.55	11	4,099.51	11	3,739.46	11	3,379.41	11	3,019.36
1/4		1/4		1/4		1/4	5,151.89	1/4	4,809.28	1/4	4,452.05	1/4	4,092.01	1/4	3,731.96	1/4	3,371.91	1/4	3,011.86
1/2		1/2		1/2		1/2	5,144.93	1/2	4,802.00	1/2	4,444.55	1/2	4,084.51	1/2	3,724.46	1/2	3,364.41	1/2	3,004.36
3/4		3/4		3/4		3/4	5,137.97	3/4	4,794.71	3/4	4,437.05	3/4	4,077.01	3/4	3,716.96	3/4	3,356.91	3/4	2,996.86

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" 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 29142"

2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30018"

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	2,629.31	0	2,269.26	0	1,909.21	0	1,549.17	0	1,187.97	0	825.19	0	461.93	0	98.66	0		0	
1/4	2,621.81	1/4	2,261.76	1/4	1,901.71	1/4	1,541.67	1/4	1,180.42	1/4	817.62	1/4	454.36	1/4	91.09	1/4		1/4	
1/2	2,614.31	1/2	2,254.26	1/2	1,894.21	1/2	1,534.17	1/2	1,172.87	1/2	810.05	1/2	446.79	1/2	83.90	1/2		1/2	
3/4	2,606.81	3/4	2,246.76	3/4	1,886.71	3/4	1,526.67	3/4	1,165.33	3/4	802.49	3/4	439.22	3/4	76.71	3/4		3/4	
1	2,599.31	1	2,239.26	1	1,879.21	1	1,519.16	1	1,157.78	1	794.92	1	431.65	1	69.52	1		1	
1/4	2,591.81	1/4	2,231.76	1/4	1,871.71	1/4	1,511.66	1/4	1,150.23	1/4	787.35	1/4	424.08	1/4	62.33	1/4		1/4	
1/2	2,584.31	1/2	2,224.26	1/2	1,864.21	1/2	1,504.16	1/2	1,142.69	1/2	779.78	1/2	416.51	1/2	56.28	1/2		1/2	
3/4	2,576.81	3/4	2,216.76	3/4	1,856.71	3/4	1,496.66	3/4	1,135.14	3/4	772.22	3/4	408.95	3/4	50.23	3/4		3/4	
2	2,569.30	2	2,209.25	2	1,849.21	2	1,489.16	2	1,127.60	2	764.65	2	401.38	2	44.17	2		2	
1/4	2,561.80	1/4	2,201.75	1/4	1,841.71	1/4	1,481.66	1/4	1,120.05	1/4	757.08	1/4	393.81	1/4	38.12	1/4		1/4	
1/2	2,554.30	1/2	2,194.25	1/2	1,834.21	1/2	1,474.16	1/2	1,112.50	1/2	749.51	1/2	386.24	1/2	33.58	1/2		1/2	
3/4	2,546.80	3/4	2,186.75	3/4	1,826.71	3/4	1,466.66	3/4	1,104.96	3/4	741.94	3/4	378.68	3/4	29.04	3/4		3/4	
3	2,539.30	3	2,179.25	3	1,819.20	3	1,459.15	3	1,097.41	3	734.37	3	371.11	3	24.50	3		3	
1/4	2,531.80	1/4	2,171.75	1/4	1,811.70	1/4	1,451.65	1/4	1,089.86	1/4	726.80	1/4	363.54	1/4	19.96	1/4		1/4	
1/2	2,524.30	1/2	2,164.25	1/2	1,804.20	1/2	1,444.15	1/2	1,082.31	1/2	719.23	1/2	355.97	1/2		1/2		1/2	
3/4	2,516.80	3/4	2,156.75	3/4	1,796.70	3/4	1,436.65	3/4	1,074.77	3/4	711.67	3/4	348.41	3/4		3/4		3/4	
4	2,509.29	4	2,149.25	4	1,789.20	4	1,429.15	4	1,067.22	4	704.10	4	340.84	4	4	4		4	
1/4	2,501.79	1/4	2,141.75	1/4	1,781.70	1/4	1,421.65	1/4	1,059.67	1/4	696.53	1/4	333.27	1/4		1/4		1/4	
1/2	2,494.29	1/2	2,134.25	1/2	1,774.20	1/2	1,414.15	1/2	1,052.12	1/2	688.96	1/2	325.70	1/2		1/2		1/2	
3/4	2,486.79	3/4	2,126.75	3/4	1,766.70	3/4	1,406.65	3/4	1,044.58	3/4	681.40	3/4	318.14	3/4		3/4		3/4	
5	2,479.29	5	2,119.24	5	1,759.19	5	1,399.15	5	1,037.03	5	673.83	5	310.57	5	5	5		5	
1/4	2,471.79	1/4	2,111.74	1/4	1,751.69	1/4	1,391.65	1/4	1,029.48	1/4	666.26	1/4	303.00	1/4		1/4		1/4	
1/2	2,464.29	1/2	2,104.24	1/2	1,744.19	1/2	1,384.13	1/2	1,021.92	1/2	658.69	1/2	295.43	1/2		1/2		1/2	
3/4	2,456.79	3/4	2,096.74	3/4	1,736.69	3/4	1,376.60	3/4	1,014.37	3/4	651.13	3/4	287.86	3/4		3/4		3/4	
6	2,449.29	6	2,089.24	6	1,729.19	6	1,369.08	6	1,006.81	6	643.56	6	280.29	6	6	6		6	
1/4	2,441.79	1/4	2,081.74	1/4	1,721.69	1/4	1,361.55	1/4	999.25	1/4	635.99	1/4	272.72	1/4		1/4		1/4	
1/2	2,434.29	1/2	2,074.24	1/2	1,714.19	1/2	1,354.00	1/2	991.68	1/2	628.42	1/2	265.15	1/2		1/2		1/2	
3/4	2,426.79	3/4	2,066.74	3/4	1,706.69	3/4	1,346.46	3/4	984.12	3/4	620.86	3/4	257.59	3/4		3/4		3/4	
7	2,419.28	7	2,059.23	7	1,699.19	7	1,338.91	7	976.55	7	613.29	7	250.02	7	7	7		7	
1/4	2,411.78	1/4	2,051.73	1/4	1,691.69	1/4	1,331.36	1/4	968.98	1/4	605.72	1/4	242.45	1/4		1/4		1/4	
1/2	2,404.28	1/2	2,044.23	1/2	1,684.19	1/2	1,323.81	1/2	961.41	1/2	598.15	1/2	234.88	1/2		1/2		1/2	
3/4	2,396.78	3/4	2,036.73	3/4	1,676.69	3/4	1,316.27	3/4	953.85	3/4	590.58	3/4	227.32	3/4		3/4		3/4	
8	2,389.28	8	2,029.23	8	1,669.18	8	1,308.72	8	946.28	8	583.01	8	219.75	8	8	8		8	
1/4	2,381.78	1/4	2,021.73	1/4	1,661.68	1/4	1,301.17	1/4	938.71	1/4	575.44	1/4	212.18	1/4		1/4		1/4	
1/2	2,374.28	1/2	2,014.23	1/2	1,654.18	1/2	1,293.63	1/2	931.14	1/2	567.87	1/2	204.61	1/2		1/2		1/2	
3/4	2,366.78	3/4	2,006.73	3/4	1,646.68	3/4	1,286.08	3/4	923.58	3/4	560.31	3/4	197.05	3/4		3/4		3/4	
9	2,359.27	9	1,999.23	9	1,639.18	9	1,278.54	9	916.01	9	552.74	9	189.48	9	9	9		9	
1/4	2,351.77	1/4	1,991.73	1/4	1,631.68	1/4	1,270.99	1/4	908.44	1/4	545.17	1/4	181.91	1/4		1/4		1/4	
1/2	2,344.27	1/2	1,984.23	1/2	1,624.18	1/2	1,263.44	1/2	900.87	1/2	537.60	1/2	174.34	1/2		1/2		1/2	
3/4	2,336.77	3/4	1,976.73	3/4	1,616.68	3/4	1,255.90	3/4	893.30	3/4	530.04	3/4	166.78	3/4		3/4		3/4	
10	2,329.27	10	1,969.22	10	1,609.17	10	1,248.35	10	885.73	10	522.47	10	159.21	10	10	10		10	
1/4	2,321.77	1/4	1,961.72	1/4	1,601.67	1/4	1,240.80	1/4	878.16	1/4	514.90	1/4	151.64	1/4		1/4		1/4	
1/2	2,314.27	1/2	1,954.22	1/2	1,594.17	1/2	1,233.25	1/2	870.59	1/2	507.33	1/2	144.07	1/2		1/2		1/2	
3/4	2,306.77	3/4	1,946.72	3/4	1,586.67	3/4	1,225.71	3/4	863.03	3/4	499.77	3/4	136.50	3/4		3/4		3/4	
11	2,299.27	11	1,939.22	11	1,579.17	11	1,218.16	11	855.46	11	492.20	11	128.93	11	11	11		11	
1/4	2,291.77	1/4	1,931.72	1/4	1,571.67	1/4	1,210.61	1/4	847.89	1/4	484.63	1/4	121.36	1/4		1/4		1/4	
1/2	2,284.27	1/2	1,924.22	1/2	1,564.17	1/2	1,203.06	1/2	840.32	1/2	477.06	1/2	113.79	1/2		1/2		1/2	
3/4	2,276.77	3/4	1,916.72	3/4	1,556.67	3/4	1,195.52	3/4	832.76	3/4	469.50	3/4	106.23	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/09/2010 INSP
RECALCULATED: 09/28/2020 PMA
REPRINTED: 09/28/2020 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2020

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





BARGE "KIRBY 29142"

2 STBD
ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30018"

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	5,109.95	0	4,765.41	0	4,407.05	0	4,047.00	0	3,686.95	0	3,326.91	0	2,966.86
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,102.91	1/4	4,758.05	1/4	4,399.55	1/4	4,039.50	1/4	3,679.45	1/4	3,319.40	1/4	2,959.35
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,095.86	1/2	4,750.68	1/2	4,392.05	1/2	4,032.00	1/2	3,671.95	1/2	3,311.90	1/2	2,951.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,088.82	3/4	4,743.31	3/4	4,384.55	3/4	4,024.50	3/4	3,664.45	3/4	3,304.40	3/4	2,944.35
1	1	1	1	1	1	1	5,081.78	1	4,735.95	1	4,377.05	1	4,017.00	1	3,656.95	1	3,296.90	1	2,936.85
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,074.73	1/4	4,728.58	1/4	4,369.54	1/4	4,009.49	1/4	3,649.45	1/4	3,289.40	1/4	2,929.35
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,067.69	1/2	4,721.21	1/2	4,362.04	1/2	4,001.99	1/2	3,641.95	1/2	3,281.90	1/2	2,921.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,060.65	3/4	4,713.85	3/4	4,354.54	3/4	3,994.49	3/4	3,634.45	3/4	3,274.40	3/4	2,914.35
2	2	2	2	2	2	2	5,053.60	2	4,706.48	2	4,347.04	2	3,986.99	2	3,626.95	2	3,266.90	2	2,906.85
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,046.56	1/4	4,699.12	1/4	4,339.54	1/4	3,979.49	1/4	3,619.44	1/4	3,259.39	1/4	2,899.35
1/2	1/2	1/2	5,298.40	1/2	5,039.51	1/2	4,691.75	1/2	4,332.04	1/2	3,971.99	1/2	3,611.94	1/2	3,251.89	1/2	3,251.89	1/2	2,891.85
3/4	3/4	3/4	5,297.77	3/4	5,032.39	3/4	4,684.30	3/4	4,324.54	3/4	3,964.49	3/4	3,604.44	3/4	3,244.39	3/4	3,244.39	3/4	2,884.35
3	3	3	5,297.14	3	5,025.26	3	4,676.86	3	4,317.04	3	3,956.99	3	3,596.94	3	3,236.89	3	3,236.89	3	2,876.85
1/4	1/4	1/4	5,296.51	1/4	5,018.14	1/4	4,669.41	1/4	4,309.53	1/4	3,949.49	1/4	3,589.44	1/4	3,229.39	1/4	3,229.39	1/4	2,869.34
1/2	1/2	1/2	5,295.88	1/2	5,011.01	1/2	4,661.96	1/2	4,302.03	1/2	3,941.99	1/2	3,581.94	1/2	3,221.89	1/2	3,221.89	1/2	2,861.84
3/4	3/4	3/4	5,293.99	3/4	5,003.89	3/4	4,654.51	3/4	4,294.53	3/4	3,934.49	3/4	3,574.44	3/4	3,214.39	3/4	3,214.39	3/4	2,854.34
4	4	4	5,292.10	4	4,996.77	4	4,647.07	4	4,287.03	4	3,926.99	4	3,566.94	4	3,206.89	4	3,206.89	4	2,846.84
1/4	1/4	1/4	5,290.20	1/4	4,989.64	1/4	4,639.62	1/4	4,279.53	1/4	3,919.48	1/4	3,559.43	1/4	3,199.39	1/4	3,199.39	1/4	2,839.34
1/2	1/2	1/2	5,288.31	1/2	4,982.52	1/2	4,632.17	1/2	4,272.03	1/2	3,911.98	1/2	3,551.93	1/2	3,191.89	1/2	3,191.89	1/2	2,831.84
3/4	3/4	3/4	5,285.16	3/4	4,975.40	3/4	4,624.73	3/4	4,264.53	3/4	3,904.48	3/4	3,544.43	3/4	3,184.39	3/4	3,184.39	3/4	2,824.34
5	5	5	5,282.01	5	4,968.27	5	4,617.28	5	4,257.03	5	3,896.98	5	3,536.93	5	3,176.89	5	3,176.89	5	2,816.84
1/4	1/4	1/4	5,278.85	1/4	4,961.15	1/4	4,609.84	1/4	4,249.53	1/4	3,889.48	1/4	3,529.43	1/4	3,169.38	1/4	3,169.38	1/4	2,809.33
1/2	1/2	1/2	5,275.70	1/2	4,954.02	1/2	4,602.39	1/2	4,242.03	1/2	3,881.98	1/2	3,521.93	1/2	3,161.88	1/2	3,161.88	1/2	2,801.83
3/4	3/4	3/4	5,271.29	3/4	4,946.82	3/4	4,594.86	3/4	4,234.53	3/4	3,874.48	3/4	3,514.43	3/4	3,154.38	3/4	3,154.38	3/4	2,794.33
6	6	6	5,266.88	6	4,939.61	6	4,587.34	6	4,227.03	6	3,866.98	6	3,506.93	6	3,146.88	6	3,146.88	6	2,786.83
1/4	1/4	1/4	5,262.46	1/4	4,932.41	1/4	4,579.81	1/4	4,219.52	1/4	3,859.47	1/4	3,499.43	1/4	3,139.38	1/4	3,139.38	1/4	2,779.33
1/2	1/2	1/2	5,258.05	1/2	4,925.20	1/2	4,572.28	1/2	4,212.02	1/2	3,851.97	1/2	3,491.93	1/2	3,131.88	1/2	3,131.88	1/2	2,771.83
3/4	3/4	3/4	5,252.37	3/4	4,918.00	3/4	4,564.75	3/4	4,204.52	3/4	3,844.47	3/4	3,484.43	3/4	3,124.38	3/4	3,124.38	3/4	2,764.33
7	7	7	5,246.70	7	4,910.79	7	4,557.23	7	4,197.02	7	3,836.97	7	3,476.93	7	3,116.88	7	3,116.88	7	2,756.83
1/4	1/4	1/4	5,241.02	1/4	4,903.59	1/4	4,549.70	1/4	4,189.52	1/4	3,829.47	1/4	3,469.42	1/4	3,109.37	1/4	3,109.37	1/4	2,749.33
1/2	1/2	1/2	5,235.34	1/2	4,896.38	1/2	4,542.17	1/2	4,182.02	1/2	3,821.97	1/2	3,461.92	1/2	3,101.87	1/2	3,101.87	1/2	2,741.83
3/4	3/4	3/4	5,228.40	3/4	4,889.18	3/4	4,534.64	3/4	4,174.52	3/4	3,814.47	3/4	3,454.42	3/4	3,094.37	3/4	3,094.37	3/4	2,734.33
8	8	8	5,221.47	8	4,881.97	8	4,527.12	8	4,167.02	8	3,806.97	8	3,446.92	8	3,086.87	8	3,086.87	8	2,726.83
1/4	1/4	1/4	5,214.53	1/4	4,874.77	1/4	4,519.59	1/4	4,159.51	1/4	3,799.47	1/4	3,439.42	1/4	3,079.37	1/4	3,079.37	1/4	2,719.32
1/2	1/2	1/2	5,207.59	1/2	4,867.56	1/2	4,512.06	1/2	4,152.01	1/2	3,791.97	1/2	3,431.92	1/2	3,071.87	1/2	3,071.87	1/2	2,711.82
3/4	3/4	3/4	5,200.63	3/4	4,860.28	3/4	4,504.56	3/4	4,144.51	3/4	3,784.47	3/4	3,424.42	3/4	3,064.37	3/4	3,064.37	3/4	2,704.32
9	9	9	5,193.67	9	4,852.99	9	4,497.06	9	4,137.01	9	3,776.97	9	3,416.92	9	3,056.87	9	3,056.87	9	2,696.82
1/4	1/4	1/4	5,186.70	1/4	4,845.71	1/4	4,489.56	1/4	4,129.51	1/4	3,769.46	1/4	3,409.41	1/4	3,049.37	1/4	3,049.37	1/4	2,689.32
1/2	1/2	1/2	5,179.74	1/2	4,838.42	1/2	4,482.06	1/2	4,122.01	1/2	3,761.96	1/2	3,401.91	1/2	3,041.87	1/2	3,041.87	1/2	2,681.82
3/4	3/4	3/4	5,172.78	3/4	4,831.14	3/4	4,474.56	3/4	4,114.51	3/4	3,754.46	3/4	3,394.41	3/4	3,034.37	3/4	3,034.37	3/4	2,674.32
10	10	10	5,165.82	10	4,823.85	10	4,467.06	10	4,107.01	10	3,746.96	10	3,386.91	10	3,026.87	10	3,026.87	10	2,666.82
1/4	1/4	1/4	5,158.85	1/4	4,816.57	1/4	4,459.55	1/4	4,099.51	1/4	3,739.46	1/4	3,379.41	1/4	3,019.36	1/4	3,019.36	1/4	2,659.31
1/2	1/2	1/2	5,151.89	1/2	4,809.28	1/2	4,452.05	1/2	4,092.01	1/2	3,731.96	1/2	3,371.91	1/2	3,011.86	1/2	3,011.86	1/2	2,651.81
3/4	3/4	3/4	5,144.93	3/4	4,802.00	3/4	4,444.55	3/4	4,084.51	3/4	3,724.46	3/4	3,364.41	3/4	3,004.36	3/4	3,004.36	3/4	2,644.31
11	11	11	5,137.97	11	4,794.71	11	4,437.05	11	4,077.01	11	3,716.96	11	3,356.91	11	2,996.86	11	2,996.86	11	2,636.81
1/4	1/4	1/4	5,131.00	1/4	4,787.43	1/4	4,429.55	1/4	4,069.50	1/4	3,709.45	1/4	3,349.41	1/4	2,989.36	1/4	2,989.36	1/4	2,629.31
1/2	1/2	1/2	5,124.04	1/2	4,780.14	1/2	4,422.05	1/2	4,062.00	1/2	3,701.95	1/2	3,341.91	1/2	2,981.86	1/2	2,981.86	1/2	2,621.81
3/4	3/4	3/4	5,117.00	3/4	4,772.78	3/4	4,414.55	3/4	4,054.50	3/4	3,694.45	3/4	3,334.41	3/4	2,974.36	3/4	2,974.36	3/4	2,614.31

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 10'-09" 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 29142"

2 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 17'-02 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30018"

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	2,606.81	0	2,246.76	0	1,886.71	0	1,526.67	0	1,165.33	0	802.49	0	439.22	0	76.71	0		0	
1/4	2,599.31	1/4	2,239.26	1/4	1,879.21	1/4	1,519.16	1/4	1,157.78	1/4	794.92	1/4	431.65	1/4	69.52	1/4		1/4	
1/2	2,591.81	1/2	2,231.76	1/2	1,871.71	1/2	1,511.66	1/2	1,150.23	1/2	787.35	1/2	424.08	1/2	62.33	1/2		1/2	
3/4	2,584.31	3/4	2,224.26	3/4	1,864.21	3/4	1,504.16	3/4	1,142.69	3/4	779.78	3/4	416.51	3/4	56.28	3/4		3/4	
1	2,576.81	1	2,216.76	1	1,856.71	1	1,496.66	1	1,135.14	1	772.22	1	408.95	1	50.23	1		1	
1/4	2,569.30	1/4	2,209.25	1/4	1,849.21	1/4	1,489.16	1/4	1,127.60	1/4	764.65	1/4	401.38	1/4	44.17	1/4		1/4	
1/2	2,561.80	1/2	2,201.75	1/2	1,841.71	1/2	1,481.66	1/2	1,120.05	1/2	757.08	1/2	393.81	1/2	38.12	1/2		1/2	
3/4	2,554.30	3/4	2,194.25	3/4	1,834.21	3/4	1,474.16	3/4	1,112.50	3/4	749.51	3/4	386.24	3/4	33.58	3/4		3/4	
2	2,546.80	2	2,186.75	2	1,826.71	2	1,466.66	2	1,104.96	2	741.94	2	378.68	2	29.04	2		2	
1/4	2,539.30	1/4	2,179.25	1/4	1,819.20	1/4	1,459.15	1/4	1,097.41	1/4	734.37	1/4	371.11	1/4	24.50	1/4		1/4	
1/2	2,531.80	1/2	2,171.75	1/2	1,811.70	1/2	1,451.65	1/2	1,089.86	1/2	726.80	1/2	363.54	1/2	19.96	1/2		1/2	
3/4	2,524.30	3/4	2,164.25	3/4	1,804.20	3/4	1,444.15	3/4	1,082.31	3/4	719.23	3/4	355.97	3/4		3/4		3/4	
3	2,516.80	3	2,156.75	3	1,796.70	3	1,436.65	3	1,074.77	3	711.67	3	348.41	3		3		3	
1/4	2,509.29	1/4	2,149.25	1/4	1,789.20	1/4	1,429.15	1/4	1,067.22	1/4	704.10	1/4	340.84	1/4		1/4		1/4	
1/2	2,501.79	1/2	2,141.75	1/2	1,781.70	1/2	1,421.65	1/2	1,059.67	1/2	696.53	1/2	333.27	1/2		1/2		1/2	
3/4	2,494.29	3/4	2,134.25	3/4	1,774.20	3/4	1,414.15	3/4	1,052.12	3/4	688.96	3/4	325.70	3/4		3/4		3/4	
4	2,486.79	4	2,126.75	4	1,766.70	4	1,406.65	4	1,044.58	4	681.40	4	318.14	4		4		4	
1/4	2,479.29	1/4	2,119.24	1/4	1,759.19	1/4	1,399.15	1/4	1,037.03	1/4	673.83	1/4	310.57	1/4		1/4		1/4	
1/2	2,471.79	1/2	2,111.74	1/2	1,751.69	1/2	1,391.65	1/2	1,029.48	1/2	666.26	1/2	303.00	1/2		1/2		1/2	
3/4	2,464.29	3/4	2,104.24	3/4	1,744.19	3/4	1,384.13	3/4	1,021.92	3/4	658.69	3/4	295.43	3/4		3/4		3/4	
5	2,456.79	5	2,096.74	5	1,736.69	5	1,376.60	5	1,014.37	5	651.13	5	287.86	5		5		5	
1/4	2,449.29	1/4	2,089.24	1/4	1,729.19	1/4	1,369.08	1/4	1,006.81	1/4	643.56	1/4	280.29	1/4		1/4		1/4	
1/2	2,441.79	1/2	2,081.74	1/2	1,721.69	1/2	1,361.55	1/2	999.25	1/2	635.99	1/2	272.72	1/2		1/2		1/2	
3/4	2,434.29	3/4	2,074.24	3/4	1,714.19	3/4	1,354.00	3/4	991.68	3/4	628.42	3/4	265.15	3/4		3/4		3/4	
6	2,426.79	6	2,066.74	6	1,706.69	6	1,346.46	6	984.12	6	620.86	6	257.59	6		6		6	
1/4	2,419.28	1/4	2,059.23	1/4	1,699.19	1/4	1,338.91	1/4	976.55	1/4	613.29	1/4	250.02	1/4		1/4		1/4	
1/2	2,411.78	1/2	2,051.73	1/2	1,691.69	1/2	1,331.36	1/2	968.98	1/2	605.72	1/2	242.45	1/2		1/2		1/2	
3/4	2,404.28	3/4	2,044.23	3/4	1,684.19	3/4	1,323.81	3/4	961.41	3/4	598.15	3/4	234.88	3/4		3/4		3/4	
7	2,396.78	7	2,036.73	7	1,676.69	7	1,316.27	7	953.85	7	590.58	7	227.32	7		7		7	
1/4	2,389.28	1/4	2,029.23	1/4	1,669.18	1/4	1,308.72	1/4	946.28	1/4	583.01	1/4	219.75	1/4		1/4		1/4	
1/2	2,381.78	1/2	2,021.73	1/2	1,661.68	1/2	1,301.17	1/2	938.71	1/2	575.44	1/2	212.18	1/2		1/2		1/2	
3/4	2,374.28	3/4	2,014.23	3/4	1,654.18	3/4	1,293.63	3/4	931.14	3/4	567.87	3/4	204.61	3/4		3/4		3/4	
8	2,366.78	8	2,006.73	8	1,646.68	8	1,286.08	8	923.58	8	560.31	8	197.05	8		8		8	
1/4	2,359.27	1/4	1,999.23	1/4	1,639.18	1/4	1,278.54	1/4	916.01	1/4	552.74	1/4	189.48	1/4		1/4		1/4	
1/2	2,351.77	1/2	1,991.73	1/2	1,631.68	1/2	1,270.99	1/2	908.44	1/2	545.17	1/2	181.91	1/2		1/2		1/2	
3/4	2,344.27	3/4	1,984.23	3/4	1,624.18	3/4	1,263.44	3/4	900.87	3/4	537.60	3/4	174.34	3/4		3/4		3/4	
9	2,336.77	9	1,976.73	9	1,616.68	9	1,255.90	9	893.30	9	530.04	9	166.78	9		9		9	
1/4	2,329.27	1/4	1,969.22	1/4	1,609.17	1/4	1,248.35	1/4	885.73	1/4	522.47	1/4	159.21	1/4		1/4		1/4	
1/2	2,321.77	1/2	1,961.72	1/2	1,601.67	1/2	1,240.80	1/2	878.16	1/2	514.90	1/2	151.64	1/2		1/2		1/2	
3/4	2,314.27	3/4	1,954.22	3/4	1,594.17	3/4	1,233.25	3/4	870.59	3/4	507.33	3/4	144.07	3/4		3/4		3/4	
10	2,306.77	10	1,946.72	10	1,586.67	10	1,225.71	10	863.03	10	499.77	10	136.50	10		10		10	
1/4	2,299.27	1/4	1,939.22	1/4	1,579.17	1/4	1,218.16	1/4	855.46	1/4	492.20	1/4	128.93	1/4		1/4		1/4	
1/2	2,291.77	1/2	1,931.72	1/2	1,571.67	1/2	1,210.61	1/2	847.89	1/2	484.63	1/2	121.36	1/2		1/2		1/2	
3/4	2,284.27	3/4	1,924.22	3/4	1,564.17	3/4	1,203.06	3/4	840.32	3/4	477.06	3/4	113.79	3/4		3/4		3/4	
11	2,276.77	11	1,916.72	11	1,556.67	11	1,195.52	11	832.76	11	469.50	11	106.23	11		11		11	
1/4	2,269.26	1/4	1,909.21	1/4	1,549.17	1/4	1,187.97	1/4	825.19	1/4	461.93	1/4	98.66	1/4		1/4		1/4	
1/2	2,261.76	1/2	1,901.71	1/2	1,541.67	1/2	1,180.42	1/2	817.62	1/2	454.36	1/2	91.09	1/2		1/2		1/2	
3/4	2,254.26	3/4	1,894.21	3/4	1,534.17	3/4	1,172.87	3/4	810.05	3/4	446.79	3/4	83.90	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/09/2010 INSP
RECALCULATED: 09/28/2020 PMA
REPRINTED: 09/28/2020 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2020

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



BARGE "KIRBY 29142"

3 PORT ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 17'-03"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30018"

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	4,265.22	0	4,082.31	0	3,891.44	0	3,698.24	0	3,505.04	0	3,308.94	0	2,972.34
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,261.47	1/4	4,078.39	1/4	3,887.41	1/4	3,694.21	1/4	3,501.01	1/4	3,303.75	1/4	2,964.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,257.73	1/2	4,074.47	1/2	3,883.39	1/2	3,690.19	1/2	3,496.99	1/2	3,298.57	1/2	2,957.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,253.98	3/4	4,070.56	3/4	3,879.36	3/4	3,686.16	3/4	3,492.96	3/4	3,293.38	3/4	2,949.82
1	1	1	1	1	1	1	4,250.23	1	4,066.64	1	3,875.34	1	3,682.14	1	3,488.94	1	3,288.20	1	2,942.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,246.49	1/4	4,062.72	1/4	3,871.31	1/4	3,678.11	1/4	3,484.91	1/4	3,282.43	1/4	2,934.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,242.74	1/2	4,058.80	1/2	3,867.29	1/2	3,674.09	1/2	3,480.89	1/2	3,276.67	1/2	2,927.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,239.00	3/4	4,054.89	3/4	3,863.26	3/4	3,670.06	3/4	3,476.86	3/4	3,270.90	3/4	2,919.78
2	2	2	2	2	2	2	4,235.25	2	4,050.97	2	3,859.24	2	3,666.04	2	3,472.84	2	3,265.14	2	2,912.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,231.51	1/4	4,047.05	1/4	3,855.21	1/4	3,662.01	1/4	3,468.81	1/4	3,258.79	1/4	2,904.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,227.76	1/2	4,043.13	1/2	3,851.19	1/2	3,657.99	1/2	3,464.79	1/2	3,252.44	1/2	2,897.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,224.02	3/4	4,039.22	3/4	3,847.16	3/4	3,653.96	3/4	3,460.76	3/4	3,246.10	3/4	2,889.74
3	3	3	3	3	3	3	4,357.95	3	4,220.27	3	4,035.30	3	3,843.14	3	3,649.94	3	3,456.74	3	3,239.75
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,357.62	1/4	4,216.48	1/4	4,031.34	1/4	3,839.11	1/4	3,645.91	1/4	3,452.71	1/4	3,232.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,357.28	1/2	4,212.69	1/2	4,027.38	1/2	3,835.09	1/2	3,641.89	1/2	3,448.69	1/2	3,225.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,356.95	3/4	4,208.90	3/4	4,023.42	3/4	3,831.06	3/4	3,637.86	3/4	3,444.66	3/4	3,218.97
4	4	4	4	4	4	4	4,356.61	4	4,205.11	4	4,019.46	4	3,827.04	4	3,633.84	4	3,440.64	4	3,212.05
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,355.61	1/4	4,201.32	1/4	4,015.50	1/4	3,823.01	1/4	3,629.81	1/4	3,436.61	1/4	3,204.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,354.60	1/2	4,197.53	1/2	4,011.54	1/2	3,818.99	1/2	3,625.79	1/2	3,432.59	1/2	3,197.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,353.60	3/4	4,193.74	3/4	4,007.58	3/4	3,814.96	3/4	3,621.76	3/4	3,428.56	3/4	3,189.95
5	5	5	5	5	5	5	4,352.59	5	4,189.95	5	4,003.62	5	3,810.94	5	3,617.74	5	3,424.54	5	3,182.59
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,350.91	1/4	4,186.16	1/4	3,999.66	1/4	3,806.91	1/4	3,613.71	1/4	3,420.51	1/4	3,175.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,349.24	1/2	4,182.38	1/2	3,995.70	1/2	3,802.89	1/2	3,609.69	1/2	3,416.49	1/2	3,167.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,347.56	3/4	4,178.59	3/4	3,991.74	3/4	3,798.86	3/4	3,605.66	3/4	3,412.46	3/4	3,160.07
6	6	6	6	6	6	6	4,345.88	6	4,174.80	6	3,987.78	6	3,794.84	6	3,601.64	6	3,408.44	6	3,152.56
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,343.53	1/4	4,170.97	1/4	3,983.78	1/4	3,790.81	1/4	3,597.61	1/4	3,404.41	1/4	3,145.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,341.19	1/2	4,167.13	1/2	3,979.77	1/2	3,786.79	1/2	3,593.59	1/2	3,400.39	1/2	3,137.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,338.84	3/4	4,163.30	3/4	3,975.77	3/4	3,782.76	3/4	3,589.56	3/4	3,396.36	3/4	3,130.03
7	7	7	7	7	7	7	4,336.49	7	4,159.47	7	3,971.77	7	3,778.74	7	3,585.54	7	3,392.34	7	3,122.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,333.47	1/4	4,155.64	1/4	3,967.76	1/4	3,774.71	1/4	3,581.51	1/4	3,388.31	1/4	3,115.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,330.45	1/2	4,151.80	1/2	3,963.76	1/2	3,770.69	1/2	3,577.49	1/2	3,384.29	1/2	3,107.50
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,327.43	3/4	4,147.97	3/4	3,959.75	3/4	3,766.66	3/4	3,573.46	3/4	3,380.26	3/4	3,100.00
8	8	8	8	8	8	8	4,324.41	8	4,144.14	8	3,955.75	8	3,762.64	8	3,569.44	8	3,376.24	8	3,092.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,320.72	1/4	4,140.31	1/4	3,951.75	1/4	3,758.61	1/4	3,565.41	1/4	3,372.21	1/4	3,084.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,317.03	1/2	4,136.47	1/2	3,947.74	1/2	3,754.59	1/2	3,561.39	1/2	3,368.19	1/2	3,077.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,313.34	3/4	4,132.64	3/4	3,943.74	3/4	3,750.56	3/4	3,557.36	3/4	3,364.16	3/4	3,069.96
9	9	9	9	9	9	9	4,309.65	9	4,128.81	9	3,939.74	9	3,746.54	9	3,553.34	9	3,360.14	9	3,062.45
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,305.95	1/4	4,124.93	1/4	3,935.71	1/4	3,742.51	1/4	3,549.31	1/4	3,356.11	1/4	3,054.94
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,302.25	1/2	4,121.06	1/2	3,931.69	1/2	3,738.49	1/2	3,545.29	1/2	3,352.09	1/2	3,047.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,298.54	3/4	4,117.18	3/4	3,927.66	3/4	3,734.46	3/4	3,541.26	3/4	3,348.06	3/4	3,039.92
10	10	10	10	10	10	10	4,294.84	10	4,113.31	10	3,923.64	10	3,730.44	10	3,537.24	10	3,344.04	10	3,032.41
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,291.14	1/4	4,109.43	1/4	3,919.61	1/4	3,726.41	1/4	3,533.21	1/4	3,339.87	1/4	3,024.90
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,287.44	1/2	4,105.56	1/2	3,915.59	1/2	3,722.39	1/2	3,529.19	1/2	3,335.70	1/2	3,017.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,283.73	3/4	4,101.68	3/4	3,911.56	3/4	3,718.36	3/4	3,525.16	3/4	3,331.53	3/4	3,009.89
11	11	11	11	11	11	11	4,280.03	11	4,097.81	11	3,907.54	11	3,714.34	11	3,521.14	11	3,327.36	11	3,002.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,276.33	1/4	4,093.93	1/4	3,903.51	1/4	3,710.31	1/4	3,517.11	1/4	3,322.75	1/4	2,994.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,272.63	1/2	4,090.06	1/2	3,899.49	1/2	3,706.29	1/2	3,513.09	1/2	3,318.15	1/2	2,987.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,268.92	3/4	4,086.18	3/4	3,895.46	3/4	3,702.26	3/4	3,509.06	3/4	3,313.54	3/4	2,979.85

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 55'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29142"

3 PORT ULLAGE TABLE HERMETIC GAUGE HEIGHT 17'-03"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30018"

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	2,611.91	0	2,251.48	0	1,891.05	0	1,530.61	0	1,170.78	0	810.93	0	450.64	0	90.36	0		0	
1/4	2,604.40	1/4	2,243.97	1/4	1,883.54	1/4	1,523.10	1/4	1,163.29	1/4	803.42	1/4	443.13	1/4	83.23	1/4		1/4	
1/2	2,596.89	1/2	2,236.46	1/2	1,876.03	1/2	1,515.59	1/2	1,155.81	1/2	795.92	1/2	435.63	1/2	76.09	1/2		1/2	
3/4	2,589.38	3/4	2,228.95	3/4	1,868.52	3/4	1,508.09	3/4	1,148.32	3/4	788.41	3/4	428.12	3/4	68.96	3/4		3/4	
1	2,581.87	1	2,221.44	1	1,861.01	1	1,500.58	1	1,140.84	1	780.91	1	420.62	1	61.83	1		1	
1/4	2,574.36	1/4	2,213.93	1/4	1,853.50	1/4	1,493.07	1/4	1,133.35	1/4	773.40	1/4	413.11	1/4	55.82	1/4		1/4	
1/2	2,566.85	1/2	2,206.42	1/2	1,845.99	1/2	1,485.56	1/2	1,125.86	1/2	765.89	1/2	405.61	1/2	49.82	1/2		1/2	
3/4	2,559.35	3/4	2,198.92	3/4	1,838.48	3/4	1,478.05	3/4	1,118.38	3/4	758.39	3/4	398.10	3/4	43.81	3/4		3/4	
2	2,551.84	2	2,191.41	2	1,830.97	2	1,470.54	2	1,110.89	2	750.88	2	390.60	2	37.81	2		2	
1/4	2,544.33	1/4	2,183.90	1/4	1,823.46	1/4	1,463.03	1/4	1,103.40	1/4	743.37	1/4	383.09	1/4	33.31	1/4		1/4	
1/2	2,536.82	1/2	2,176.39	1/2	1,815.95	1/2	1,455.52	1/2	1,095.92	1/2	735.87	1/2	375.58	1/2	28.80	1/2		1/2	
3/4	2,529.31	3/4	2,168.88	3/4	1,808.45	3/4	1,448.02	3/4	1,088.43	3/4	728.36	3/4	368.08	3/4	24.30	3/4		3/4	
3	2,521.80	3	2,161.37	3	1,800.94	3	1,440.51	3	1,080.95	3	720.86	3	360.57	3	19.80	3		3	
1/4	2,514.29	1/4	2,153.86	1/4	1,793.43	1/4	1,433.00	1/4	1,073.46	1/4	713.35	1/4	353.06	1/4		1/4		1/4	
1/2	2,506.78	1/2	2,146.35	1/2	1,785.92	1/2	1,425.49	1/2	1,065.97	1/2	705.85	1/2	345.56	1/2		1/2		1/2	
3/4	2,499.28	3/4	2,138.84	3/4	1,778.41	3/4	1,417.98	3/4	1,058.49	3/4	698.34	3/4	338.05	3/4		3/4		3/4	
4	2,491.77	4	2,131.33	4	1,770.90	4	1,410.47	4	1,051.00	4	690.84	4	330.55	4	4	4		4	
1/4	2,484.26	1/4	2,123.82	1/4	1,763.39	1/4	1,402.96	1/4	1,043.51	1/4	683.33	1/4	323.04	1/4		1/4		1/4	
1/2	2,476.75	1/2	2,116.31	1/2	1,755.88	1/2	1,395.45	1/2	1,036.03	1/2	675.82	1/2	315.53	1/2		1/2		1/2	
3/4	2,469.24	3/4	2,108.81	3/4	1,748.38	3/4	1,387.94	3/4	1,028.54	3/4	668.32	3/4	308.03	3/4		3/4		3/4	
5	2,461.73	5	2,101.30	5	1,740.87	5	1,380.43	5	1,021.06	5	660.81	5	300.52	5	5	5		5	
1/4	2,454.22	1/4	2,093.79	1/4	1,733.36	1/4	1,372.93	1/4	1,013.56	1/4	653.30	1/4	293.01	1/4		1/4		1/4	
1/2	2,446.71	1/2	2,086.28	1/2	1,725.85	1/2	1,365.43	1/2	1,006.07	1/2	645.80	1/2	285.51	1/2		1/2		1/2	
3/4	2,439.20	3/4	2,078.77	3/4	1,718.34	3/4	1,357.94	3/4	998.57	3/4	638.29	3/4	278.00	3/4		3/4		3/4	
6	2,431.69	6	2,071.26	6	1,710.83	6	1,350.44	6	991.08	6	630.79	6	270.50	6	6	6		6	
1/4	2,424.18	1/4	2,063.75	1/4	1,703.32	1/4	1,342.95	1/4	983.57	1/4	623.28	1/4	262.99	1/4		1/4		1/4	
1/2	2,416.67	1/2	2,056.24	1/2	1,695.81	1/2	1,335.47	1/2	976.06	1/2	615.77	1/2	255.49	1/2		1/2		1/2	
3/4	2,409.17	3/4	2,048.74	3/4	1,688.30	3/4	1,327.98	3/4	968.56	3/4	608.27	3/4	247.98	3/4		3/4		3/4	
7	2,401.66	7	2,041.23	7	1,680.79	7	1,320.50	7	961.05	7	600.76	7	240.48	7	7	7		7	
1/4	2,394.15	1/4	2,033.72	1/4	1,673.28	1/4	1,313.01	1/4	953.54	1/4	593.25	1/4	232.97	1/4		1/4		1/4	
1/2	2,386.64	1/2	2,026.21	1/2	1,665.77	1/2	1,305.53	1/2	946.04	1/2	585.75	1/2	225.46	1/2		1/2		1/2	
3/4	2,379.13	3/4	2,018.70	3/4	1,658.27	3/4	1,298.04	3/4	938.53	3/4	578.24	3/4	217.96	3/4		3/4		3/4	
8	2,371.62	8	2,011.19	8	1,650.76	8	1,290.56	8	931.03	8	570.74	8	210.45	8	8	8		8	
1/4	2,364.11	1/4	2,003.68	1/4	1,643.25	1/4	1,283.07	1/4	923.52	1/4	563.23	1/4	202.94	1/4		1/4		1/4	
1/2	2,356.60	1/2	1,996.17	1/2	1,635.74	1/2	1,275.58	1/2	916.01	1/2	555.73	1/2	195.44	1/2		1/2		1/2	
3/4	2,349.10	3/4	1,988.66	3/4	1,628.23	3/4	1,268.10	3/4	908.51	3/4	548.22	3/4	187.93	3/4		3/4		3/4	
9	2,341.59	9	1,981.15	9	1,620.72	9	1,260.61	9	901.00	9	540.72	9	180.43	9	9	9		9	
1/4	2,334.08	1/4	1,973.64	1/4	1,613.21	1/4	1,253.12	1/4	893.49	1/4	533.21	1/4	172.92	1/4		1/4		1/4	
1/2	2,326.57	1/2	1,966.13	1/2	1,605.70	1/2	1,245.64	1/2	885.99	1/2	525.70	1/2	165.41	1/2		1/2		1/2	
3/4	2,319.06	3/4	1,958.63	3/4	1,598.20	3/4	1,238.15	3/4	878.48	3/4	518.20	3/4	157.91	3/4		3/4		3/4	
10	2,311.55	10	1,951.12	10	1,590.69	10	1,230.67	10	870.98	10	510.69	10	150.40	10	10	10		10	
1/4	2,304.04	1/4	1,943.61	1/4	1,583.18	1/4	1,223.18	1/4	863.47	1/4	503.18	1/4	142.89	1/4		1/4		1/4	
1/2	2,296.53	1/2	1,936.10	1/2	1,575.67	1/2	1,215.69	1/2	855.97	1/2	495.68	1/2	135.39	1/2		1/2		1/2	
3/4	2,289.02	3/4	1,928.59	3/4	1,568.16	3/4	1,208.21	3/4	848.46	3/4	488.17	3/4	127.88	3/4		3/4		3/4	
11	2,281.51	11	1,921.08	11	1,560.65	11	1,200.72	11	840.96	11	480.67	11	120.38	11	11	11		11	
1/4	2,274.00	1/4	1,913.57	1/4	1,553.14	1/4	1,193.23	1/4	833.45	1/4	473.16	1/4	112.87	1/4		1/4		1/4	
1/2	2,266.49	1/2	1,906.06	1/2	1,545.63	1/2	1,185.75	1/2	825.94	1/2	465.65	1/2	105.37	1/2		1/2		1/2	
3/4	2,258.99	3/4	1,898.56	3/4	1,538.12	3/4	1,178.26	3/4	818.44	3/4	458.15	3/4	97.86	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/09/2010 INSP
RECALCULATED: 09/28/2020 PMA
REPRINTED: 09/28/2020 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2020

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



BARGE "KIRBY 29142"

3 STBD ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30018"

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	4,272.63	0	4,090.06	0	3,899.49	0	3,706.29	0	3,513.09	0	3,318.15	0	2,987.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,268.92	1/4	4,086.18	1/4	3,895.46	1/4	3,702.26	1/4	3,509.06	1/4	3,313.54	1/4	2,979.85
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,265.22	1/2	4,082.31	1/2	3,891.44	1/2	3,698.24	1/2	3,505.04	1/2	3,308.94	1/2	2,972.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,261.47	3/4	4,078.39	3/4	3,887.41	3/4	3,694.21	3/4	3,501.01	3/4	3,303.75	3/4	2,964.83
1	1	1	1	1	1	1	4,257.73	1	4,074.47	1	3,883.39	1	3,690.19	1	3,496.99	1	3,298.57	1	2,957.32
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,253.98	1/4	4,070.56	1/4	3,879.36	1/4	3,686.16	1/4	3,492.96	1/4	3,293.38	1/4	2,949.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,250.23	1/2	4,066.64	1/2	3,875.34	1/2	3,682.14	1/2	3,488.94	1/2	3,288.20	1/2	2,942.31
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,246.49	3/4	4,062.72	3/4	3,871.31	3/4	3,678.11	3/4	3,484.91	3/4	3,282.43	3/4	2,934.80
2	2	2	2	2	2	2	4,242.74	2	4,058.80	2	3,867.29	2	3,674.09	2	3,480.89	2	3,276.67	2	2,927.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,239.00	1/4	4,054.89	1/4	3,863.26	1/4	3,670.06	1/4	3,476.86	1/4	3,270.90	1/4	2,919.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,235.25	1/2	4,050.97	1/2	3,859.24	1/2	3,666.04	1/2	3,472.84	1/2	3,265.14	1/2	2,912.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,231.51	3/4	4,047.05	3/4	3,855.21	3/4	3,662.01	3/4	3,468.81	3/4	3,258.79	3/4	2,904.76
3	3	3	3	3	3	3	4,227.76	3	4,043.13	3	3,851.19	3	3,657.99	3	3,464.79	3	3,252.44	3	2,897.25
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,224.02	1/4	4,039.22	1/4	3,847.16	1/4	3,653.96	1/4	3,460.76	1/4	3,246.10	1/4	2,889.74
1/2	1/2	1/2	4,357.95	1/2	4,220.27	1/2	4,035.30	1/2	3,843.14	1/2	3,649.94	1/2	3,456.74	1/2	3,239.75	1/2	3,239.75	1/2	2,882.23
3/4	3/4	3/4	4,357.62	3/4	4,216.48	3/4	4,031.34	3/4	3,839.11	3/4	3,645.91	3/4	3,452.71	3/4	3,232.82	3/4	3,232.82	3/4	2,874.72
4	4	4	4,357.28	4	4,212.69	4	4,027.38	4	3,835.09	4	3,641.89	4	3,448.69	4	3,225.90	4	3,225.90	4	2,867.21
1/4	1/4	1/4	4,356.95	1/4	4,208.90	1/4	4,023.42	1/4	3,831.06	1/4	3,637.86	1/4	3,444.66	1/4	3,218.97	1/4	3,218.97	1/4	2,859.71
1/2	1/2	1/2	4,356.61	1/2	4,205.11	1/2	4,019.46	1/2	3,827.04	1/2	3,633.84	1/2	3,440.64	1/2	3,212.05	1/2	3,212.05	1/2	2,852.20
3/4	3/4	3/4	4,355.61	3/4	4,201.32	3/4	4,015.50	3/4	3,823.01	3/4	3,629.81	3/4	3,436.61	3/4	3,204.68	3/4	3,204.68	3/4	2,844.69
5	5	5	4,354.60	5	4,197.53	5	4,011.54	5	3,818.99	5	3,625.79	5	3,432.59	5	3,197.32	5	3,197.32	5	2,837.18
1/4	1/4	1/4	4,353.60	1/4	4,193.74	1/4	4,007.58	1/4	3,814.96	1/4	3,621.76	1/4	3,428.56	1/4	3,189.95	1/4	3,189.95	1/4	2,829.67
1/2	1/2	1/2	4,352.59	1/2	4,189.95	1/2	4,003.62	1/2	3,810.94	1/2	3,617.74	1/2	3,424.54	1/2	3,182.59	1/2	3,182.59	1/2	2,822.16
3/4	3/4	3/4	4,350.91	3/4	4,186.16	3/4	3,999.66	3/4	3,806.91	3/4	3,613.71	3/4	3,420.51	3/4	3,175.08	3/4	3,175.08	3/4	2,814.65
6	6	6	4,349.24	6	4,182.38	6	3,995.70	6	3,802.89	6	3,609.69	6	3,416.49	6	3,167.57	6	3,167.57	6	2,807.14
1/4	1/4	1/4	4,347.56	1/4	4,178.59	1/4	3,991.74	1/4	3,798.86	1/4	3,605.66	1/4	3,412.46	1/4	3,160.07	1/4	3,160.07	1/4	2,799.64
1/2	1/2	1/2	4,345.88	1/2	4,174.80	1/2	3,987.78	1/2	3,794.84	1/2	3,601.64	1/2	3,408.44	1/2	3,152.56	1/2	3,152.56	1/2	2,792.13
3/4	3/4	3/4	4,343.53	3/4	4,170.97	3/4	3,983.78	3/4	3,790.81	3/4	3,597.61	3/4	3,404.41	3/4	3,145.05	3/4	3,145.05	3/4	2,784.62
7	7	7	4,341.19	7	4,167.13	7	3,979.77	7	3,786.79	7	3,593.59	7	3,400.39	7	3,137.54	7	3,137.54	7	2,777.11
1/4	1/4	1/4	4,338.84	1/4	4,163.30	1/4	3,975.77	1/4	3,782.76	1/4	3,589.56	1/4	3,396.36	1/4	3,130.03	1/4	3,130.03	1/4	2,769.60
1/2	1/2	1/2	4,336.49	1/2	4,159.47	1/2	3,971.77	1/2	3,778.74	1/2	3,585.54	1/2	3,392.34	1/2	3,122.52	1/2	3,122.52	1/2	2,762.09
3/4	3/4	3/4	4,333.47	3/4	4,155.64	3/4	3,967.76	3/4	3,774.71	3/4	3,581.51	3/4	3,388.31	3/4	3,115.01	3/4	3,115.01	3/4	2,754.58
8	8	8	4,330.45	8	4,151.80	8	3,963.76	8	3,770.69	8	3,577.49	8	3,384.29	8	3,107.50	8	3,107.50	8	2,747.07
1/4	1/4	1/4	4,327.43	1/4	4,147.97	1/4	3,959.75	1/4	3,766.66	1/4	3,573.46	1/4	3,380.26	1/4	3,100.00	1/4	3,100.00	1/4	2,739.56
1/2	1/2	1/2	4,324.41	1/2	4,144.14	1/2	3,955.75	1/2	3,762.64	1/2	3,569.44	1/2	3,376.24	1/2	3,092.49	1/2	3,092.49	1/2	2,732.05
3/4	3/4	3/4	4,320.72	3/4	4,140.31	3/4	3,951.75	3/4	3,758.61	3/4	3,565.41	3/4	3,372.21	3/4	3,084.98	3/4	3,084.98	3/4	2,724.54
9	9	9	4,317.03	9	4,136.47	9	3,947.74	9	3,754.59	9	3,561.39	9	3,368.19	9	3,077.47	9	3,077.47	9	2,717.03
1/4	1/4	1/4	4,313.34	1/4	4,132.64	1/4	3,943.74	1/4	3,750.56	1/4	3,557.36	1/4	3,364.16	1/4	3,069.96	1/4	3,069.96	1/4	2,709.53
1/2	1/2	1/2	4,309.65	1/2	4,128.81	1/2	3,939.74	1/2	3,746.54	1/2	3,553.34	1/2	3,360.14	1/2	3,062.45	1/2	3,062.45	1/2	2,702.02
3/4	3/4	3/4	4,305.95	3/4	4,124.93	3/4	3,935.71	3/4	3,742.51	3/4	3,549.31	3/4	3,356.11	3/4	3,054.94	3/4	3,054.94	3/4	2,694.51
10	10	10	4,302.25	10	4,121.06	10	3,931.69	10	3,738.49	10	3,545.29	10	3,352.09	10	3,047.43	10	3,047.43	10	2,687.00
1/4	1/4	1/4	4,298.54	1/4	4,117.18	1/4	3,927.66	1/4	3,734.46	1/4	3,541.26	1/4	3,348.06	1/4	3,039.92	1/4	3,039.92	1/4	2,679.49
1/2	1/2	1/2	4,294.84	1/2	4,113.31	1/2	3,923.64	1/2	3,730.44	1/2	3,537.24	1/2	3,344.04	1/2	3,032.41	1/2	3,032.41	1/2	2,671.98
3/4	3/4	3/4	4,291.14	3/4	4,109.43	3/4	3,919.61	3/4	3,726.41	3/4	3,533.21	3/4	3,339.87	3/4	3,024.90	3/4	3,024.90	3/4	2,664.47
11	11	11	4,287.44	11	4,105.56	11	3,915.59	11	3,722.39	11	3,529.19	11	3,335.70	11	3,017.39	11	3,017.39	11	2,656.96
1/4	1/4	1/4	4,283.73	1/4	4,101.68	1/4	3,911.56	1/4	3,718.36	1/4	3,525.16	1/4	3,331.53	1/4	3,009.89	1/4	3,009.89	1/4	2,649.46
1/2	1/2	1/2	4,280.03	1/2	4,097.81	1/2	3,907.54	1/2	3,714.34	1/2	3,521.14	1/2	3,327.36	1/2	3,002.38	1/2	3,002.38	1/2	2,641.95
3/4	3/4	3/4	4,276.33	3/4	4,093.93	3/4	3,903.51	3/4	3,710.31	3/4	3,517.11	3/4	3,322.75	3/4	2,994.87	3/4	2,994.87	3/4	2,634.44

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 55'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "KIRBY 29142"

3 STBD

ULLAGE TABLE
HERMETIC

GAUGE HEIGHT 17'-03 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30018"

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	2,626.93	0	2,266.49	0	1,906.06	0	1,545.63	0	1,185.75	0	825.94	0	465.65	0	105.37	0		0	
1/4	2,619.42	1/4	2,258.99	1/4	1,898.56	1/4	1,538.12	1/4	1,178.26	1/4	818.44	1/4	458.15	1/4	97.86	1/4		1/4	
1/2	2,611.91	1/2	2,251.48	1/2	1,891.05	1/2	1,530.61	1/2	1,170.78	1/2	810.93	1/2	450.64	1/2	90.36	1/2		1/2	
3/4	2,604.40	3/4	2,243.97	3/4	1,883.54	3/4	1,523.10	3/4	1,163.29	3/4	803.42	3/4	443.13	3/4	83.23	3/4		3/4	
1	2,596.89	1	2,236.46	1	1,876.03	1	1,515.59	1	1,155.81	1	795.92	1	435.63	1	76.09	1		1	
1/4	2,589.38	1/4	2,228.95	1/4	1,868.52	1/4	1,508.09	1/4	1,148.32	1/4	788.41	1/4	428.12	1/4	68.96	1/4		1/4	
1/2	2,581.87	1/2	2,221.44	1/2	1,861.01	1/2	1,500.58	1/2	1,140.84	1/2	780.91	1/2	420.62	1/2	61.83	1/2		1/2	
3/4	2,574.36	3/4	2,213.93	3/4	1,853.50	3/4	1,493.07	3/4	1,133.35	3/4	773.40	3/4	413.11	3/4	55.82	3/4		3/4	
2	2,566.85	2	2,206.42	2	1,845.99	2	1,485.56	2	1,125.86	2	765.89	2	405.61	2	49.82	2		2	
1/4	2,559.35	1/4	2,198.92	1/4	1,838.48	1/4	1,478.05	1/4	1,118.38	1/4	758.39	1/4	398.10	1/4	43.81	1/4		1/4	
1/2	2,551.84	1/2	2,191.41	1/2	1,830.97	1/2	1,470.54	1/2	1,110.89	1/2	750.88	1/2	390.60	1/2	37.81	1/2		1/2	
3/4	2,544.33	3/4	2,183.90	3/4	1,823.46	3/4	1,463.03	3/4	1,103.40	3/4	743.37	3/4	383.09	3/4	33.31	3/4		3/4	
3	2,536.82	3	2,176.39	3	1,815.95	3	1,455.52	3	1,095.92	3	735.87	3	375.58	3	28.80	3		3	
1/4	2,529.31	1/4	2,168.88	1/4	1,808.45	1/4	1,448.02	1/4	1,088.43	1/4	728.36	1/4	368.08	1/4	24.30	1/4		1/4	
1/2	2,521.80	1/2	2,161.37	1/2	1,800.94	1/2	1,440.51	1/2	1,080.95	1/2	720.86	1/2	360.57	1/2	19.80	1/2		1/2	
3/4	2,514.29	3/4	2,153.86	3/4	1,793.43	3/4	1,433.00	3/4	1,073.46	3/4	713.35	3/4	353.06	3/4		3/4		3/4	
4	2,506.78	4	2,146.35	4	1,785.92	4	1,425.49	4	1,065.97	4	705.85	4	345.56	4		4		4	
1/4	2,499.28	1/4	2,138.84	1/4	1,778.41	1/4	1,417.98	1/4	1,058.49	1/4	698.34	1/4	338.05	1/4		1/4		1/4	
1/2	2,491.77	1/2	2,131.33	1/2	1,770.90	1/2	1,410.47	1/2	1,051.00	1/2	690.84	1/2	330.55	1/2		1/2		1/2	
3/4	2,484.26	3/4	2,123.82	3/4	1,763.39	3/4	1,402.96	3/4	1,043.51	3/4	683.33	3/4	323.04	3/4		3/4		3/4	
5	2,476.75	5	2,116.31	5	1,755.88	5	1,395.45	5	1,036.03	5	675.82	5	315.53	5		5		5	
1/4	2,469.24	1/4	2,108.81	1/4	1,748.38	1/4	1,387.94	1/4	1,028.54	1/4	668.32	1/4	308.03	1/4		1/4		1/4	
1/2	2,461.73	1/2	2,101.30	1/2	1,740.87	1/2	1,380.43	1/2	1,021.06	1/2	660.81	1/2	300.52	1/2		1/2		1/2	
3/4	2,454.22	3/4	2,093.79	3/4	1,733.36	3/4	1,372.93	3/4	1,013.56	3/4	653.30	3/4	293.01	3/4		3/4		3/4	
6	2,446.71	6	2,086.28	6	1,725.85	6	1,365.43	6	1,006.07	6	645.80	6	285.51	6		6		6	
1/4	2,439.20	1/4	2,078.77	1/4	1,718.34	1/4	1,357.94	1/4	998.57	1/4	638.29	1/4	278.00	1/4		1/4		1/4	
1/2	2,431.69	1/2	2,071.26	1/2	1,710.83	1/2	1,350.44	1/2	991.08	1/2	630.79	1/2	270.50	1/2		1/2		1/2	
3/4	2,424.18	3/4	2,063.75	3/4	1,703.32	3/4	1,342.95	3/4	983.57	3/4	623.28	3/4	262.99	3/4		3/4		3/4	
7	2,416.67	7	2,056.24	7	1,695.81	7	1,335.47	7	976.06	7	615.77	7	255.49	7		7		7	
1/4	2,409.17	1/4	2,048.74	1/4	1,688.30	1/4	1,327.98	1/4	968.56	1/4	608.27	1/4	247.98	1/4		1/4		1/4	
1/2	2,401.66	1/2	2,041.23	1/2	1,680.79	1/2	1,320.50	1/2	961.05	1/2	600.76	1/2	240.48	1/2		1/2		1/2	
3/4	2,394.15	3/4	2,033.72	3/4	1,673.28	3/4	1,313.01	3/4	953.54	3/4	593.25	3/4	232.97	3/4		3/4		3/4	
8	2,386.64	8	2,026.21	8	1,665.77	8	1,305.53	8	946.04	8	585.75	8	225.46	8		8		8	
1/4	2,379.13	1/4	2,018.70	1/4	1,658.27	1/4	1,298.04	1/4	938.53	1/4	578.24	1/4	217.96	1/4		1/4		1/4	
1/2	2,371.62	1/2	2,011.19	1/2	1,650.76	1/2	1,290.56	1/2	931.03	1/2	570.74	1/2	210.45	1/2		1/2		1/2	
3/4	2,364.11	3/4	2,003.68	3/4	1,643.25	3/4	1,283.07	3/4	923.52	3/4	563.23	3/4	202.94	3/4		3/4		3/4	
9	2,356.60	9	1,996.17	9	1,635.74	9	1,275.58	9	916.01	9	555.73	9	195.44	9		9		9	
1/4	2,349.10	1/4	1,988.66	1/4	1,628.23	1/4	1,268.10	1/4	908.51	1/4	548.22	1/4	187.93	1/4		1/4		1/4	
1/2	2,341.59	1/2	1,981.15	1/2	1,620.72	1/2	1,260.61	1/2	901.00	1/2	540.72	1/2	180.43	1/2		1/2		1/2	
3/4	2,334.08	3/4	1,973.64	3/4	1,613.21	3/4	1,253.12	3/4	893.49	3/4	533.21	3/4	172.92	3/4		3/4		3/4	
10	2,326.57	10	1,966.13	10	1,605.70	10	1,245.64	10	885.99	10	525.70	10	165.41	10		10		10	
1/4	2,319.06	1/4	1,958.63	1/4	1,598.20	1/4	1,238.15	1/4	878.48	1/4	518.20	1/4	157.91	1/4		1/4		1/4	
1/2	2,311.55	1/2	1,951.12	1/2	1,590.69	1/2	1,230.67	1/2	870.98	1/2	510.69	1/2	150.40	1/2		1/2		1/2	
3/4	2,304.04	3/4	1,943.61	3/4	1,583.18	3/4	1,223.18	3/4	863.47	3/4	503.18	3/4	142.89	3/4		3/4		3/4	
11	2,296.53	11	1,936.10	11	1,575.67	11	1,215.69	11	855.97	11	495.68	11	135.39	11		11		11	
1/4	2,289.02	1/4	1,928.59	1/4	1,568.16	1/4	1,208.21	1/4	848.46	1/4	488.17	1/4	127.88	1/4		1/4		1/4	
1/2	2,281.51	1/2	1,921.08	1/2	1,560.65	1/2	1,200.72	1/2	840.96	1/2	480.67	1/2	120.38	1/2		1/2		1/2	
3/4	2,274.00	3/4	1,913.57	3/4	1,553.14	3/4	1,193.23	3/4	833.45	3/4	473.16	3/4	112.87	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/09/2010 INSP
RECALCULATED: 09/28/2020 PMA
REPRINTED: 09/28/2020 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2020

PRECISION MEASUREMENT
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BARGE "KIRBY 29142"

SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT: 5'-02 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	571	0	1,141	0	1,711	0	2,281	0		0		0		0		0	
1/4	12	1/4	582	1/4	1,153	1/4	1,723	1/4	2,293	1/4		1/4		1/4		1/4		1/4	
1/2	24	1/2	594	1/2	1,164	1/2	1,735	1/2	2,305	1/2		1/2		1/2		1/2		1/2	
3/4	36	3/4	606	3/4	1,176	3/4	1,746	3/4	2,317	3/4		3/4		3/4		3/4		3/4	
1	48	1	618	1	1,188	1	1,758	1	2,328	1	1	1	1	1	1	1	1	1	1
1/4	59	1/4	630	1/4	1,200	1/4	1,770	1/4	2,340	1/4		1/4		1/4		1/4		1/4	
1/2	71	1/2	642	1/2	1,212	1/2	1,782	1/2	2,352	1/2		1/2		1/2		1/2		1/2	
3/4	83	3/4	654	3/4	1,224	3/4	1,794	3/4	2,364	3/4		3/4		3/4		3/4		3/4	
2	95	2	666	2	1,236	2	1,806	2	2,376	2	2	2	2	2	2	2	2	2	2
1/4	107	1/4	677	1/4	1,248	1/4	1,818	1/4	2,388	1/4		1/4		1/4		1/4		1/4	
1/2	119	1/2	689	1/2	1,259	1/2	1,830	1/2	2,400	1/2		1/2		1/2		1/2		1/2	
3/4	131	3/4	701	3/4	1,271	3/4	1,841	3/4	2,412	3/4		3/4		3/4		3/4		3/4	
3	143	3	713	3	1,283	3	1,853	3	2,423	3	3	3	3	3	3	3	3	3	3
1/4	155	1/4	725	1/4	1,295	1/4	1,865	1/4	2,435	1/4		1/4		1/4		1/4		1/4	
1/2	167	1/2	737	1/2	1,307	1/2	1,877	1/2	2,447	1/2		1/2		1/2		1/2		1/2	
3/4	178	3/4	749	3/4	1,319	3/4	1,889	3/4	2,459	3/4		3/4		3/4		3/4		3/4	
4	190	4	761	4	1,331	4	1,901	4	2,471	4	4	4	4	4	4	4	4	4	4
1/4	202	1/4	773	1/4	1,343	1/4	1,913	1/4	2,483	1/4		1/4		1/4		1/4		1/4	
1/2	214	1/2	784	1/2	1,354	1/2	1,925	1/2	2,495	1/2		1/2		1/2		1/2		1/2	
3/4	226	3/4	796	3/4	1,366	3/4	1,936	3/4	2,507	3/4		3/4		3/4		3/4		3/4	
5	238	5	808	5	1,378	5	1,948	5	2,518	5	5	5	5	5	5	5	5	5	5
1/4	250	1/4	820	1/4	1,390	1/4	1,960	1/4	2,530	1/4		1/4		1/4		1/4		1/4	
1/2	262	1/2	832	1/2	1,402	1/2	1,972	1/2	2,542	1/2		1/2		1/2		1/2		1/2	
3/4	274	3/4	844	3/4	1,414	3/4	1,984	3/4	2,554	3/4		3/4		3/4		3/4		3/4	
6	286	6	856	6	1,426	6	1,996	6	2,566	6	6	6	6	6	6	6	6	6	6
1/4	297	1/4	868	1/4	1,438	1/4	2,008	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	309	1/2	879	1/2	1,450	1/2	2,020	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	321	3/4	891	3/4	1,461	3/4	2,031	3/4		3/4		3/4		3/4		3/4		3/4	
7	333	7	903	7	1,473	7	2,043	7	2,043	7	7	7	7	7	7	7	7	7	7
1/4	345	1/4	915	1/4	1,485	1/4	2,055	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	357	1/2	927	1/2	1,497	1/2	2,067	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	369	3/4	939	3/4	1,509	3/4	2,079	3/4		3/4		3/4		3/4		3/4		3/4	
8	381	8	951	8	1,521	8	2,091	8	2,091	8	8	8	8	8	8	8	8	8	8
1/4	392	1/4	963	1/4	1,533	1/4	2,103	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	404	1/2	974	1/2	1,545	1/2	2,115	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	416	3/4	986	3/4	1,556	3/4	2,127	3/4		3/4		3/4		3/4		3/4		3/4	
9	428	9	998	9	1,568	9	2,138	9	2,138	9	9	9	9	9	9	9	9	9	9
1/4	440	1/4	1,010	1/4	1,580	1/4	2,150	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	452	1/2	1,022	1/2	1,592	1/2	2,162	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	464	3/4	1,034	3/4	1,604	3/4	2,174	3/4		3/4		3/4		3/4		3/4		3/4	
10	476	10	1,046	10	1,616	10	2,186	10	2,186	10	10	10	10	10	10	10	10	10	10
1/4	487	1/4	1,058	1/4	1,628	1/4	2,198	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	499	1/2	1,069	1/2	1,640	1/2	2,210	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	511	3/4	1,081	3/4	1,651	3/4	2,222	3/4		3/4		3/4		3/4		3/4		3/4	
11	523	11	1,093	11	1,663	11	2,233	11	2,233	11	11	11	11	11	11	11	11	11	11
1/4	535	1/4	1,105	1/4	1,675	1/4	2,245	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	547	1/2	1,117	1/2	1,687	1/2	2,257	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	559	3/4	1,129	3/4	1,699	3/4	2,269	3/4		3/4		3/4		3/4		3/4		3/4	

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.

STRAPPED: 10/12/2020 JS
CALCULATED: 10/12/2020 CL
ISSUED: 10/12/2020 CL

PRECISION MEASUREMENT
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CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2020