



BARGE "KIRBY 31004B"

ULLAGE TRIM TABLE
FORMERLY "CTCO 355B"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-3/8"
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 5/8"

LENGTH BETWEEN DRAFT MARKS: 275'-03"

March 13, 2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 31004B"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 355B"

GAUGE HEIGHT 16'-05 1/2"

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

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "KIRBY 31004B"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 355B"

GAUGE HEIGHT 16'-05 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	2,511.73	1/4	2,123.86	1/4	1,735.99	1/4	1,348.13	1/4	960.26	1/4	573.82	1/4	186.26	1/4		1/4		1/4	
1/2	2,503.65	1/2	2,115.78	1/2	1,727.91	1/2	1,340.04	1/2	952.18	1/2	565.78	1/2	178.18	1/2		1/2		1/2	
3/4	2,495.57	3/4	2,107.70	3/4	1,719.83	3/4	1,331.96	3/4	944.10	3/4	557.73	3/4	170.10	3/4		3/4		3/4	
1	2,487.49	1	2,099.62	1	1,711.75	1	1,323.88	1	936.01	1	549.68	1	162.01	1		1		1	
1/4	2,479.41	1/4	2,091.54	1/4	1,703.67	1/4	1,315.80	1/4	927.93	1/4	541.62	1/4	153.93	1/4		1/4		1/4	
1/2	2,471.33	1/2	2,083.46	1/2	1,695.59	1/2	1,307.72	1/2	919.85	1/2	533.57	1/2	145.85	1/2		1/2		1/2	
3/4	2,463.25	3/4	2,075.38	3/4	1,687.51	3/4	1,299.64	3/4	911.77	3/4	525.51	3/4	137.77	3/4		3/4		3/4	
1	2,455.17	1	2,067.30	1	1,679.43	1	1,291.56	1	903.69	1	517.46	1	129.69	1		1		1	
1/4	2,447.09	1/4	2,059.22	1/4	1,671.35	1/4	1,283.48	1/4	895.61	1/4	509.40	1/4	121.61	1/4		1/4		1/4	
1/2	2,439.01	1/2	2,051.14	1/2	1,663.27	1/2	1,275.40	1/2	887.53	1/2	501.34	1/2	113.53	1/2		1/2		1/2	
3/4	2,430.93	3/4	2,043.06	3/4	1,655.19	3/4	1,267.32	3/4	879.45	3/4	493.29	3/4	105.45	3/4		3/4		3/4	
1	2,422.85	1	2,034.98	1	1,647.11	1	1,259.24	1	871.39	1	485.21	1	97.37	1		1		1	
1/4	2,414.76	1/4	2,026.90	1/4	1,639.03	1/4	1,251.16	1/4	863.34	1/4	477.14	1/4	89.29	1/4		1/4		1/4	
1/2	2,406.68	1/2	2,018.82	1/2	1,630.95	1/2	1,243.08	1/2	855.28	1/2	469.06	1/2	81.21	1/2		1/2		1/2	
3/4	2,398.60	3/4	2,010.73	3/4	1,622.87	3/4	1,235.00	3/4	847.23	3/4	460.99	3/4	73.13	3/4		3/4		3/4	
1	2,390.52	1	2,002.65	1	1,614.79	1	1,226.92	1	839.18	1	452.91	1	65.81	1		1		1	
1/4	2,382.44	1/4	1,994.57	1/4	1,606.70	1/4	1,218.84	1/4	831.14	1/4	444.83	1/4	58.48	1/4		1/4		1/4	
1/2	2,374.36	1/2	1,986.49	1/2	1,598.62	1/2	1,210.76	1/2	823.10	1/2	436.75	1/2	51.16	1/2		1/2		1/2	
3/4	2,366.28	3/4	1,978.41	3/4	1,590.54	3/4	1,202.67	3/4	815.05	3/4	428.67	3/4	43.84	3/4		3/4		3/4	
1	2,358.20	1	1,970.33	1	1,582.46	1	1,194.59	1	807.01	1	420.59	1	38.28	1		1		1	
1/4	2,350.12	1/4	1,962.25	1/4	1,574.38	1/4	1,186.51	1/4	798.97	1/4	412.51	1/4	32.73	1/4		1/4		1/4	
1/2	2,342.04	1/2	1,954.17	1/2	1,566.30	1/2	1,178.43	1/2	790.93	1/2	404.43	1/2	27.17	1/2		1/2		1/2	
3/4	2,333.96	3/4	1,946.09	3/4	1,558.22	3/4	1,170.35	3/4	782.89	3/4	396.35	3/4	21.61	3/4		3/4		3/4	
1	2,325.88	1	1,938.01	1	1,550.14	1	1,162.27	1	774.85	1	388.27	1		1		1		1	
1/4	2,317.80	1/4	1,929.93	1/4	1,542.06	1/4	1,154.19	1/4	766.81	1/4	380.19	1/4		1/4		1/4		1/4	
1/2	2,309.72	1/2	1,921.85	1/2	1,533.98	1/2	1,146.11	1/2	758.77	1/2	372.11	1/2		1/2		1/2		1/2	
3/4	2,301.64	3/4	1,913.77	3/4	1,525.90	3/4	1,138.03	3/4	750.73	3/4	364.02	3/4		3/4		3/4		3/4	
1	2,293.56	1	1,905.69	1	1,517.82	1	1,129.95	1	742.69	1	355.94	1		1		1		1	
1/4	2,285.47	1/4	1,897.61	1/4	1,509.74	1/4	1,121.87	1/4	734.64	1/4	347.86	1/4		1/4		1/4		1/4	
1/2	2,277.39	1/2	1,889.53	1/2	1,501.66	1/2	1,113.79	1/2	726.60	1/2	339.78	1/2		1/2		1/2		1/2	
3/4	2,269.31	3/4	1,881.44	3/4	1,493.58	3/4	1,105.71	3/4	718.56	3/4	331.70	3/4		3/4		3/4		3/4	
1	2,261.23	1	1,873.36	1	1,485.50	1	1,097.63	1	710.52	1	323.62	1		1		1		1	
1/4	2,253.15	1/4	1,865.28	1/4	1,477.41	1/4	1,089.55	1/4	702.48	1/4	315.54	1/4		1/4		1/4		1/4	
1/2	2,245.07	1/2	1,857.20	1/2	1,469.33	1/2	1,081.47	1/2	694.44	1/2	307.46	1/2		1/2		1/2		1/2	
3/4	2,236.99	3/4	1,849.12	3/4	1,461.25	3/4	1,073.38	3/4	686.40	3/4	299.38	3/4		3/4		3/4		3/4	
1	2,228.91	1	1,841.04	1	1,453.17	1	1,065.30	1	678.36	1	291.30	1		1		1		1	
1/4	2,220.83	1/4	1,832.96	1/4	1,445.09	1/4	1,057.22	1/4	670.32	1/4	283.22	1/4		1/4		1/4		1/4	
1/2	2,212.75	1/2	1,824.88	1/2	1,437.01	1/2	1,049.14	1/2	662.28	1/2	275.14	1/2		1/2		1/2		1/2	
3/4	2,204.67	3/4	1,816.80	3/4	1,428.93	3/4	1,041.06	3/4	654.24	3/4	267.06	3/4		3/4		3/4		3/4	
1	2,196.59	1	1,808.72	1	1,420.85	1	1,032.98	1	646.20	1	258.98	1		1		1		1	
1/4	2,188.51	1/4	1,800.64	1/4	1,412.77	1/4	1,024.90	1/4	638.16	1/4	250.90	1/4		1/4		1/4		1/4	
1/2	2,180.43	1/2	1,792.56	1/2	1,404.69	1/2	1,016.82	1/2	630.12	1/2	242.82	1/2		1/2		1/2		1/2	
3/4	2,172.35	3/4	1,784.48	3/4	1,396.61	3/4	1,008.74	3/4	622.08	3/4	234.74	3/4		3/4		3/4		3/4	
1	2,164.27	1	1,776.40	1	1,388.53	1	1,000.66	1	614.04	1	226.66	1		1		1		1	
1/4	2,156.19	1/4	1,768.32	1/4	1,380.45	1/4	992.58	1/4	606.00	1/4	218.58	1/4		1/4		1/4		1/4	
1/2	2,148.10	1/2	1,760.24	1/2	1,372.37	1/2	984.50	1/2	597.96	1/2	210.50	1/2		1/2		1/2		1/2	
3/4	2,140.02	3/4	1,752.16	3/4	1,364.29	3/4	976.42	3/4	589.91	3/4	202.42	3/4		3/4		3/4		3/4	
1	2,131.94	1	1,744.07	1	1,356.21	1	968.34	1	581.87	1	194.34	1		1		1		1	

STRAPPED: 01/06/2015 PMA
RECALCULATED: 03/13/2020 PMA
NAME CHANGE: 03/13/2020

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2020

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 31004B"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 355B"

GAUGE HEIGHT 16'-05 1/4"

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

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 31004B"

1 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 355B"

GAUGE HEIGHT 16'-05 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	2,503.14	0	2,115.52	0	1,727.91	0	1,340.29	0	952.68	0	565.63	0	178.06	0		0		0	
1/4	2,495.06	1/4	2,107.45	1/4	1,719.83	1/4	1,332.22	1/4	944.60	1/4	557.57	1/4	169.98	1/4	1/4		1/4		1/4
1/2	2,486.98	1/2	2,099.37	1/2	1,711.76	1/2	1,324.14	1/2	936.53	1/2	549.50	1/2	161.91	1/2	1/2		1/2		1/2
3/4	2,478.91	3/4	2,091.30	3/4	1,703.68	3/4	1,316.07	3/4	928.45	3/4	541.42	3/4	153.83	3/4	3/4		3/4		3/4
1	2,470.83	1	2,083.22	1	1,695.61	1	1,307.99	1	920.38	1	533.35	1	145.76	1	1		1		1
1/4	2,462.76	1/4	2,075.14	1/4	1,687.53	1/4	1,299.92	1/4	912.30	1/4	525.28	1/4	137.68	1/4	1/4		1/4		1/4
1/2	2,454.68	1/2	2,067.07	1/2	1,679.45	1/2	1,291.84	1/2	904.23	1/2	517.21	1/2	129.61	1/2	1/2		1/2		1/2
3/4	2,446.61	3/4	2,058.99	3/4	1,671.38	3/4	1,283.77	3/4	896.15	3/4	509.13	3/4	121.53	3/4	3/4		3/4		3/4
2	2,438.53	2	2,050.92	2	1,663.30	2	1,275.69	2	888.08	2	501.06	2	113.46	2	2		2		2
1/4	2,430.46	1/4	2,042.84	1/4	1,655.23	1/4	1,267.61	1/4	880.00	1/4	492.98	1/4	105.38	1/4	1/4		1/4		1/4
1/2	2,422.38	1/2	2,034.77	1/2	1,647.15	1/2	1,259.54	1/2	871.93	1/2	484.91	1/2	97.31	1/2	1/2		1/2		1/2
3/4	2,414.31	3/4	2,026.69	3/4	1,639.08	3/4	1,251.46	3/4	863.86	3/4	476.83	3/4	89.23	3/4	3/4		3/4		3/4
3	2,406.23	3	2,018.62	3	1,631.00	3	1,243.39	3	855.79	3	468.76	3	81.16	3	3		3		3
1/4	2,398.16	1/4	2,010.54	1/4	1,622.93	1/4	1,235.31	1/4	847.73	1/4	460.68	1/4	73.08	1/4	1/4		1/4		1/4
1/2	2,390.08	1/2	2,002.47	1/2	1,614.85	1/2	1,227.24	1/2	839.66	1/2	452.61	1/2	65.76	1/2	1/2		1/2		1/2
3/4	2,382.01	3/4	1,994.39	3/4	1,606.78	3/4	1,219.16	3/4	831.60	3/4	444.53	3/4	58.44	3/4	3/4		3/4		3/4
4	2,373.93	4	1,986.32	4	1,598.70	4	1,211.09	4	823.54	4	436.46	4	51.12	4	4		4		4
1/4	2,365.86	1/4	1,978.24	1/4	1,590.63	1/4	1,203.01	1/4	815.48	1/4	428.38	1/4	43.81	1/4	1/4		1/4		1/4
1/2	2,357.78	1/2	1,970.17	1/2	1,582.55	1/2	1,194.94	1/2	807.42	1/2	420.31	1/2	38.25	1/2	1/2		1/2		1/2
3/4	2,349.70	3/4	1,962.09	3/4	1,574.48	3/4	1,186.86	3/4	799.36	3/4	412.23	3/4	32.70	3/4	3/4		3/4		3/4
5	2,341.63	5	1,954.01	5	1,566.40	5	1,178.79	5	791.30	5	404.16	5	27.15	5	5		5		5
1/4	2,333.55	1/4	1,945.94	1/4	1,558.33	1/4	1,170.71	1/4	783.24	1/4	396.08	1/4	21.60	1/4	1/4		1/4		1/4
1/2	2,325.48	1/2	1,937.86	1/2	1,550.25	1/2	1,162.64	1/2	775.18	1/2	388.01	1/2		1/2	1/2		1/2		1/2
3/4	2,317.40	3/4	1,929.79	3/4	1,542.17	3/4	1,154.56	3/4	767.13	3/4	379.93	3/4		3/4	3/4		3/4		3/4
6	2,309.33	6	1,921.71	6	1,534.10	6	1,146.48	6	759.07	6	371.86	6		6	6		6		6
1/4	2,301.25	1/4	1,913.64	1/4	1,526.02	1/4	1,138.41	1/4	751.01	1/4	363.78	1/4		1/4	1/4		1/4		1/4
1/2	2,293.18	1/2	1,905.56	1/2	1,517.95	1/2	1,130.33	1/2	742.95	1/2	355.71	1/2		1/2	1/2		1/2		1/2
3/4	2,285.10	3/4	1,897.49	3/4	1,509.87	3/4	1,122.26	3/4	734.89	3/4	347.63	3/4		3/4	3/4		3/4		3/4
7	2,277.03	7	1,889.41	7	1,501.80	7	1,114.18	7	726.83	7	339.56	7		7	7		7		7
1/4	2,268.95	1/4	1,881.34	1/4	1,493.72	1/4	1,106.11	1/4	718.77	1/4	331.48	1/4		1/4	1/4		1/4		1/4
1/2	2,260.88	1/2	1,873.26	1/2	1,485.65	1/2	1,098.03	1/2	710.71	1/2	323.41	1/2		1/2	1/2		1/2		1/2
3/4	2,252.80	3/4	1,865.19	3/4	1,477.57	3/4	1,089.96	3/4	702.65	3/4	315.33	3/4		3/4	3/4		3/4		3/4
8	2,244.73	8	1,857.11	8	1,469.50	8	1,081.88	8	694.59	8	307.26	8		8	8		8		8
1/4	2,236.65	1/4	1,849.04	1/4	1,461.42	1/4	1,073.81	1/4	686.53	1/4	299.18	1/4		1/4	1/4		1/4		1/4
1/2	2,228.58	1/2	1,840.96	1/2	1,453.35	1/2	1,065.73	1/2	678.47	1/2	291.11	1/2		1/2	1/2		1/2		1/2
3/4	2,220.50	3/4	1,832.89	3/4	1,445.27	3/4	1,057.66	3/4	670.42	3/4	283.03	3/4		3/4	3/4		3/4		3/4
9	2,212.42	9	1,824.81	9	1,437.20	9	1,049.58	9	662.36	9	274.96	9		9	9		9		9
1/4	2,204.35	1/4	1,816.73	1/4	1,429.12	1/4	1,041.51	1/4	654.30	1/4	266.88	1/4		1/4	1/4		1/4		1/4
1/2	2,196.27	1/2	1,808.66	1/2	1,421.05	1/2	1,033.43	1/2	646.24	1/2	258.81	1/2		1/2	1/2		1/2		1/2
3/4	2,188.20	3/4	1,800.58	3/4	1,412.97	3/4	1,025.36	3/4	638.18	3/4	250.73	3/4		3/4	3/4		3/4		3/4
10	2,180.12	10	1,792.51	10	1,404.89	10	1,017.28	10	630.12	10	242.66	10		10	10		10		10
1/4	2,172.05	1/4	1,784.43	1/4	1,396.82	1/4	1,009.20	1/4	622.06	1/4	234.58	1/4		1/4	1/4		1/4		1/4
1/2	2,163.97	1/2	1,776.36	1/2	1,388.74	1/2	1,001.13	1/2	614.00	1/2	226.51	1/2		1/2	1/2		1/2		1/2
3/4	2,155.90	3/4	1,768.28	3/4	1,380.67	3/4	993.05	3/4	605.94	3/4	218.43	3/4		3/4	3/4		3/4		3/4
11	2,147.82	11	1,760.21	11	1,372.59	11	984.98	11	597.89	11	210.36	11		11	11		11		11
1/4	2,139.75	1/4	1,752.13	1/4	1,364.52	1/4	976.90	1/4	589.83	1/4	202.28	1/4		1/4	1/4		1/4		1/4
1/2	2,131.67	1/2	1,744.06	1/2	1,356.44	1/2	968.83	1/2	581.76	1/2	194.21	1/2		1/2	1/2		1/2		1/2
3/4	2,123.60	3/4	1,735.98	3/4	1,348.37	3/4	960.75	3/4	573.70	3/4	186.13	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/06/2015 PMA
RECALCULATED: 03/13/2020 PMA
NAME CHANGE: 03/13/2020

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2020

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



BARGE "KIRBY 31004B"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 355B"

GAUGE HEIGHT 16'-05 1/2"

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	2,499.20	0	2,111.17	0	1,723.14	0	1,335.12	0	947.09	0	571.56	0	186.33	0		0		0	
1/4	2,491.11	1/4	2,103.09	1/4	1,715.06	1/4	1,327.03	1/4	939.01	1/4	563.79	1/4	178.25	1/4	1/4	1/4		1/4	1/4
1/2	2,483.03	1/2	2,095.00	1/2	1,706.98	1/2	1,318.95	1/2	930.92	1/2	556.02	1/2	170.16	1/2	1/2	1/2		1/2	1/2
3/4	2,474.95	3/4	2,086.92	3/4	1,698.89	3/4	1,310.87	3/4	922.84	3/4	548.25	3/4	162.08	3/4	3/4	3/4		3/4	3/4
1	2,466.86	1	2,078.84	1	1,690.81	1	1,302.78	1	914.75	1	540.47	1	153.99	1	1	1		1	1
1/4	2,458.78	1/4	2,070.75	1/4	1,682.72	1/4	1,294.70	1/4	906.67	1/4	532.70	1/4	145.91	1/4	1/4	1/4		1/4	1/4
1/2	2,450.70	1/2	2,062.67	1/2	1,674.64	1/2	1,286.61	1/2	898.59	1/2	524.92	1/2	137.83	1/2	1/2	1/2		1/2	1/2
3/4	2,442.61	3/4	2,054.58	3/4	1,666.56	3/4	1,278.53	3/4	890.62	3/4	517.03	3/4	129.74	3/4	3/4	3/4		3/4	3/4
2	2,434.53	2	2,046.50	2	1,658.47	2	1,270.45	2	882.65	2	509.14	2	121.66	2	2	2		2	2
1/4	2,426.44	1/4	2,038.42	1/4	1,650.39	1/4	1,262.36	1/4	874.68	1/4	501.25	1/4	113.58	1/4	1/4	1/4		1/4	1/4
1/2	2,418.36	1/2	2,030.33	1/2	1,642.31	1/2	1,254.28	1/2	866.71	1/2	493.35	1/2	105.49	1/2	1/2	1/2		1/2	1/2
3/4	2,410.28	3/4	2,022.25	3/4	1,634.22	3/4	1,246.19	3/4	858.90	3/4	485.31	3/4	97.41	3/4	3/4	3/4		3/4	3/4
3	2,402.19	3	2,014.16	3	1,626.14	3	1,238.11	3	851.09	3	477.26	3	89.33	3	3	3		3	3
1/4	2,394.11	1/4	2,006.08	1/4	1,618.05	1/4	1,230.03	1/4	843.28	1/4	469.22	1/4	81.24	1/4	1/4	1/4		1/4	1/4
1/2	2,386.02	1/2	1,998.00	1/2	1,609.97	1/2	1,221.94	1/2	835.47	1/2	461.17	1/2	73.16	1/2	1/2	1/2		1/2	1/2
3/4	2,377.94	3/4	1,989.91	3/4	1,601.89	3/4	1,213.86	3/4	827.71	3/4	453.09	3/4	65.83	3/4	3/4	3/4		3/4	3/4
4	2,369.86	4	1,981.83	4	1,593.80	4	1,205.77	4	819.95	4	445.00	4	58.51	4	4	4		4	4
1/4	2,361.77	1/4	1,973.75	1/4	1,585.72	1/4	1,197.69	1/4	812.18	1/4	436.92	1/4	51.18	1/4	1/4	1/4		1/4	1/4
1/2	2,353.69	1/2	1,965.66	1/2	1,577.63	1/2	1,189.61	1/2	804.42	1/2	428.84	1/2	43.85	1/2	1/2	1/2		1/2	1/2
3/4	2,345.60	3/4	1,957.58	3/4	1,569.55	3/4	1,181.52	3/4	796.66	3/4	420.75	3/4	38.29	3/4	3/4	3/4		3/4	3/4
5	2,337.52	5	1,949.49	5	1,561.47	5	1,173.44	5	788.89	5	412.67	5	32.74	5	5	5		5	5
1/4	2,329.44	1/4	1,941.41	1/4	1,553.38	1/4	1,165.36	1/4	781.13	1/4	404.59	1/4	27.18	1/4	1/4	1/4		1/4	1/4
1/2	2,321.35	1/2	1,933.33	1/2	1,545.30	1/2	1,157.27	1/2	773.37	1/2	396.50	1/2	21.62	1/2	1/2	1/2		1/2	1/2
3/4	2,313.27	3/4	1,925.24	3/4	1,537.21	3/4	1,149.19	3/4	765.61	3/4	388.42	3/4		3/4	3/4	3/4		3/4	3/4
6	2,305.18	6	1,917.16	6	1,529.13	6	1,141.10	6	757.85	6	380.34	6		6	6	6		6	6
1/4	2,297.10	1/4	1,909.07	1/4	1,521.05	1/4	1,133.02	1/4	750.08	1/4	372.25	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,289.02	1/2	1,900.99	1/2	1,512.96	1/2	1,124.94	1/2	742.32	1/2	364.17	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,280.93	3/4	1,892.91	3/4	1,504.88	3/4	1,116.85	3/4	734.56	3/4	356.08	3/4		3/4	3/4	3/4		3/4	3/4
7	2,272.85	7	1,884.82	7	1,496.79	7	1,108.77	7	726.80	7	348.00	7		7	7	7		7	7
1/4	2,264.77	1/4	1,876.74	1/4	1,488.71	1/4	1,100.68	1/4	719.04	1/4	339.92	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,256.68	1/2	1,868.65	1/2	1,480.63	1/2	1,092.60	1/2	711.27	1/2	331.83	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,248.60	3/4	1,860.57	3/4	1,472.54	3/4	1,084.52	3/4	703.51	3/4	323.75	3/4		3/4	3/4	3/4		3/4	3/4
8	2,240.51	8	1,852.49	8	1,464.46	8	1,076.43	8	695.75	8	315.67	8		8	8	8		8	8
1/4	2,232.43	1/4	1,844.40	1/4	1,456.38	1/4	1,068.35	1/4	687.99	1/4	307.58	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,224.35	1/2	1,836.32	1/2	1,448.29	1/2	1,060.26	1/2	680.23	1/2	299.50	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,216.26	3/4	1,828.23	3/4	1,440.21	3/4	1,052.18	3/4	672.47	3/4	291.42	3/4		3/4	3/4	3/4		3/4	3/4
9	2,208.18	9	1,820.15	9	1,432.12	9	1,044.10	9	664.71	9	283.33	9		9	9	9		9	9
1/4	2,200.09	1/4	1,812.07	1/4	1,424.04	1/4	1,036.01	1/4	656.95	1/4	275.25	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,192.01	1/2	1,803.98	1/2	1,415.96	1/2	1,027.93	1/2	649.19	1/2	267.16	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,183.93	3/4	1,795.90	3/4	1,407.87	3/4	1,019.84	3/4	641.42	3/4	259.08	3/4		3/4	3/4	3/4		3/4	3/4
10	2,175.84	10	1,787.82	10	1,399.79	10	1,011.76	10	633.66	10	251.00	10		10	10	10		10	10
1/4	2,167.76	1/4	1,779.73	1/4	1,391.70	1/4	1,003.68	1/4	625.90	1/4	242.91	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,159.67	1/2	1,771.65	1/2	1,383.62	1/2	995.59	1/2	618.14	1/2	234.83	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,151.59	3/4	1,763.56	3/4	1,375.54	3/4	987.51	3/4	610.38	3/4	226.75	3/4		3/4	3/4	3/4		3/4	3/4
11	2,143.51	11	1,755.48	11	1,367.45	11	979.43	11	602.62	11	218.66	11		11	11	11		11	11
1/4	2,135.42	1/4	1,747.40	1/4	1,359.37	1/4	971.34	1/4	594.85	1/4	210.58	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,127.34	1/2	1,739.31	1/2	1,351.28	1/2	963.26	1/2	587.09	1/2	202.50	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,119.26	3/4	1,731.23	3/4	1,343.20	3/4	955.17	3/4	579.32	3/4	194.41	3/4		3/4	3/4	3/4		3/4	3/4

STRAPPED: 01/06/2015 PMA
RECALCULATED: 03/13/2020 PMA
NAME CHANGE: 03/13/2020

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2020

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 31004B"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 355B"

GAUGE HEIGHT 16'-05"

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	2,498.84	0	2,110.64	0	1,722.44	0	1,334.24	0	946.04	0	558.41	0	170.23	0		0		0	
1/4	2,490.75	1/4	2,102.55	1/4	1,714.35	1/4	1,326.15	1/4	937.95	1/4	550.33	1/4	162.14	1/4		1/4		1/4	
1/2	2,482.66	1/2	2,094.46	1/2	1,706.26	1/2	1,318.06	1/2	929.86	1/2	542.24	1/2	154.06	1/2		1/2		1/2	
3/4	2,474.57	3/4	2,086.37	3/4	1,698.17	3/4	1,309.97	3/4	921.77	3/4	534.15	3/4	145.97	3/4		3/4		3/4	
1	2,466.49	1	2,078.29	1	1,690.09	1	1,301.89	1	913.69	1	526.07	1	137.88	1		1		1	
1/4	2,458.40	1/4	2,070.20	1/4	1,682.00	1/4	1,293.80	1/4	905.60	1/4	517.98	1/4	129.80	1/4		1/4		1/4	
1/2	2,450.31	1/2	2,062.11	1/2	1,673.91	1/2	1,285.71	1/2	897.51	1/2	509.89	1/2	121.71	1/2		1/2		1/2	
3/4	2,442.22	3/4	2,054.02	3/4	1,665.82	3/4	1,277.62	3/4	889.42	3/4	501.81	3/4	113.62	3/4		3/4		3/4	
2	2,434.14	2	2,045.94	2	1,657.74	2	1,269.54	2	881.34	2	493.72	2	105.53	2		2		2	
1/4	2,426.05	1/4	2,037.85	1/4	1,649.65	1/4	1,261.45	1/4	873.25	1/4	485.63	1/4	97.45	1/4		1/4		1/4	
1/2	2,417.96	1/2	2,029.76	1/2	1,641.56	1/2	1,253.36	1/2	865.17	1/2	477.55	1/2	89.36	1/2		1/2		1/2	
3/4	2,409.87	3/4	2,021.67	3/4	1,633.47	3/4	1,245.27	3/4	857.09	3/4	469.46	3/4	81.27	3/4		3/4		3/4	
3	2,401.79	3	2,013.59	3	1,625.39	3	1,237.19	3	849.01	3	461.37	3	73.19	3		3		3	
1/4	2,393.70	1/4	2,005.50	1/4	1,617.30	1/4	1,229.10	1/4	840.94	1/4	453.28	1/4	65.86	1/4		1/4		1/4	
1/2	2,385.61	1/2	1,997.41	1/2	1,609.21	1/2	1,221.01	1/2	832.87	1/2	445.20	1/2	58.53	1/2		1/2		1/2	
3/4	2,377.52	3/4	1,989.32	3/4	1,601.12	3/4	1,212.92	3/4	824.79	3/4	437.11	3/4	51.20	3/4		3/4		3/4	
4	2,369.44	4	1,981.24	4	1,593.04	4	1,204.84	4	816.72	4	429.02	4	43.87	4		4		4	
1/4	2,361.35	1/4	1,973.15	1/4	1,584.95	1/4	1,196.75	1/4	808.65	1/4	420.94	1/4	38.31	1/4		1/4		1/4	
1/2	2,353.26	1/2	1,965.06	1/2	1,576.86	1/2	1,188.66	1/2	800.57	1/2	412.85	1/2	32.75	1/2		1/2		1/2	
3/4	2,345.17	3/4	1,956.97	3/4	1,568.77	3/4	1,180.57	3/4	792.50	3/4	404.76	3/4	27.19	3/4		3/4		3/4	
5	2,337.09	5	1,948.89	5	1,560.69	5	1,172.49	5	784.43	5	396.67	5	21.63	5		5		5	
1/4	2,329.00	1/4	1,940.80	1/4	1,552.60	1/4	1,164.40	1/4	776.36	1/4	388.59	1/4		1/4		1/4		1/4	
1/2	2,320.91	1/2	1,932.71	1/2	1,544.51	1/2	1,156.31	1/2	768.29	1/2	380.50	1/2		1/2		1/2		1/2	
3/4	2,312.82	3/4	1,924.62	3/4	1,536.42	3/4	1,148.22	3/4	760.22	3/4	372.41	3/4		3/4		3/4		3/4	
6	2,304.74	6	1,916.54	6	1,528.34	6	1,140.14	6	752.14	6	364.32	6		6		6		6	
1/4	2,296.65	1/4	1,908.45	1/4	1,520.25	1/4	1,132.05	1/4	744.07	1/4	356.24	1/4		1/4		1/4		1/4	
1/2	2,288.56	1/2	1,900.36	1/2	1,512.16	1/2	1,123.96	1/2	736.00	1/2	348.15	1/2		1/2		1/2		1/2	
3/4	2,280.47	3/4	1,892.27	3/4	1,504.07	3/4	1,115.87	3/4	727.93	3/4	340.06	3/4		3/4		3/4		3/4	
7	2,272.39	7	1,884.19	7	1,495.99	7	1,107.79	7	719.86	7	331.98	7		7		7		7	
1/4	2,264.30	1/4	1,876.10	1/4	1,487.90	1/4	1,099.70	1/4	711.79	1/4	323.89	1/4		1/4		1/4		1/4	
1/2	2,256.21	1/2	1,868.01	1/2	1,479.81	1/2	1,091.61	1/2	703.72	1/2	315.80	1/2		1/2		1/2		1/2	
3/4	2,248.12	3/4	1,859.92	3/4	1,471.72	3/4	1,083.52	3/4	695.64	3/4	307.71	3/4		3/4		3/4		3/4	
8	2,240.04	8	1,851.84	8	1,463.64	8	1,075.44	8	687.57	8	299.63	8		8		8		8	
1/4	2,231.95	1/4	1,843.75	1/4	1,455.55	1/4	1,067.35	1/4	679.50	1/4	291.54	1/4		1/4		1/4		1/4	
1/2	2,223.86	1/2	1,835.66	1/2	1,447.46	1/2	1,059.26	1/2	671.43	1/2	283.45	1/2		1/2		1/2		1/2	
3/4	2,215.77	3/4	1,827.57	3/4	1,439.37	3/4	1,051.17	3/4	663.36	3/4	275.37	3/4		3/4		3/4		3/4	
9	2,207.69	9	1,819.49	9	1,431.29	9	1,043.09	9	655.29	9	267.28	9		9		9		9	
1/4	2,199.60	1/4	1,811.40	1/4	1,423.20	1/4	1,035.00	1/4	647.22	1/4	259.19	1/4		1/4		1/4		1/4	
1/2	2,191.51	1/2	1,803.31	1/2	1,415.11	1/2	1,026.91	1/2	639.15	1/2	251.10	1/2		1/2		1/2		1/2	
3/4	2,183.42	3/4	1,795.22	3/4	1,407.02	3/4	1,018.82	3/4	631.08	3/4	243.02	3/4		3/4		3/4		3/4	
10	2,175.34	10	1,787.14	10	1,398.94	10	1,010.74	10	623.01	10	234.93	10		10		10		10	
1/4	2,167.25	1/4	1,779.05	1/4	1,390.85	1/4	1,002.65	1/4	614.93	1/4	226.84	1/4		1/4		1/4		1/4	
1/2	2,159.16	1/2	1,770.96	1/2	1,382.76	1/2	994.56	1/2	606.86	1/2	218.76	1/2		1/2		1/2		1/2	
3/4	2,151.07	3/4	1,762.87	3/4	1,374.67	3/4	986.47	3/4	598.79	3/4	210.67	3/4		3/4		3/4		3/4	
11	2,142.99	11	1,754.79	11	1,366.59	11	978.39	11	590.72	11	202.58	11		11		11		11	
1/4	2,134.90	1/4	1,746.70	1/4	1,358.50	1/4	970.30	1/4	582.64	1/4	194.49	1/4		1/4		1/4		1/4	
1/2	2,126.81	1/2	1,738.61	1/2	1,350.41	1/2	962.21	1/2	574.57	1/2	186.41	1/2		1/2		1/2		1/2	
3/4	2,118.72	3/4	1,730.52	3/4	1,342.32	3/4	954.12	3/4	566.49	3/4	178.32	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/06/2015 PMA
RECALCULATED: 03/13/2020 PMA
NAME CHANGE: 03/13/2020

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2020

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



BARGE "KIRBY 31004B"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 355B"

GAUGE HEIGHT 16'-05 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 31004B"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 355B"

GAUGE HEIGHT 16'-05 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	2,496.74	0	2,107.81	0	1,719.80	0	1,331.24	0	942.47	0	565.39	0	178.70	0		0		0	
1/4	2,488.64	1/4	2,099.71	1/4	1,711.72	1/4	1,323.14	1/4	934.38	1/4	557.58	1/4	170.60	1/4	1/4		1/4		1/4
1/2	2,480.53	1/2	2,091.61	1/2	1,703.64	1/2	1,315.04	1/2	926.28	1/2	549.76	1/2	162.49	1/2	1/2		1/2		1/2
3/4	2,472.43	3/4	2,083.51	3/4	1,695.56	3/4	1,306.94	3/4	918.18	3/4	541.95	3/4	154.39	3/4	3/4		3/4		3/4
1	2,464.33	1	2,075.40	1	1,687.48	1	1,298.84	1	910.08	1	534.13	1	146.28	1	1		1		1
1/4	2,456.22	1/4	2,067.30	1/4	1,679.40	1/4	1,290.74	1/4	901.98	1/4	526.31	1/4	138.18	1/4	1/4		1/4		1/4
1/2	2,448.12	1/2	2,059.20	1/2	1,671.32	1/2	1,282.65	1/2	893.98	1/2	518.39	1/2	130.07	1/2	1/2		1/2		1/2
3/4	2,440.02	3/4	2,051.09	3/4	1,663.24	3/4	1,274.55	3/4	885.98	3/4	510.47	3/4	121.97	3/4	3/4		3/4		3/4
2	2,431.92	2	2,042.99	2	1,655.17	2	1,266.45	2	877.98	2	502.55	2	113.86	2	2		2		2
1/4	2,423.81	1/4	2,034.89	1/4	1,647.09	1/4	1,258.35	1/4	869.99	1/4	494.63	1/4	105.76	1/4	1/4		1/4		1/4
1/2	2,415.71	1/2	2,026.80	1/2	1,638.99	1/2	1,250.25	1/2	862.13	1/2	486.56	1/2	97.65	1/2	1/2		1/2		1/2
3/4	2,407.61	3/4	2,018.72	3/4	1,630.90	3/4	1,242.15	3/4	854.27	3/4	478.50	3/4	89.55	3/4	3/4		3/4		3/4
3	2,399.51	3	2,010.63	3	1,622.81	3	1,234.05	3	846.41	3	470.43	3	81.44	3	3		3		3
1/4	2,391.40	1/4	2,002.55	1/4	1,614.72	1/4	1,225.95	1/4	838.56	1/4	462.37	1/4	73.34	1/4	1/4		1/4		1/4
1/2	2,383.30	1/2	1,994.47	1/2	1,606.62	1/2	1,217.85	1/2	830.74	1/2	454.26	1/2	65.99	1/2	1/2		1/2		1/2
3/4	2,375.20	3/4	1,986.39	3/4	1,598.52	3/4	1,209.75	3/4	822.93	3/4	446.16	3/4	58.65	3/4	3/4		3/4		3/4
4	2,367.10	4	1,978.31	4	1,590.42	4	1,201.65	4	815.11	4	438.05	4	51.30	4	4		4		4
1/4	2,358.99	1/4	1,970.24	1/4	1,582.32	1/4	1,193.55	1/4	807.29	1/4	429.95	1/4	43.96	1/4	1/4		1/4		1/4
1/2	2,350.89	1/2	1,962.16	1/2	1,574.22	1/2	1,185.45	1/2	799.49	1/2	421.84	1/2	38.39	1/2	1/2		1/2		1/2
3/4	2,342.79	3/4	1,954.08	3/4	1,566.12	3/4	1,177.35	3/4	791.68	3/4	413.74	3/4	32.81	3/4	3/4		3/4		3/4
5	2,334.69	5	1,946.00	5	1,558.02	5	1,169.25	5	783.88	5	405.63	5	27.24	5	5		5		5
1/4	2,326.58	1/4	1,937.92	1/4	1,549.92	1/4	1,161.16	1/4	776.07	1/4	397.53	1/4	21.67	1/4	1/4		1/4		1/4
1/2	2,318.48	1/2	1,929.84	1/2	1,541.82	1/2	1,153.06	1/2	768.27	1/2	389.42	1/2		1/2	1/2		1/2		1/2
3/4	2,310.38	3/4	1,921.76	3/4	1,533.72	3/4	1,144.96	3/4	760.47	3/4	381.32	3/4		3/4	3/4		3/4		3/4
6	2,302.28	6	1,913.68	6	1,525.62	6	1,136.86	6	752.66	6	373.21	6		6	6		6		6
1/4	2,294.17	1/4	1,905.61	1/4	1,517.52	1/4	1,128.76	1/4	744.86	1/4	365.11	1/4		1/4	1/4		1/4		1/4
1/2	2,286.07	1/2	1,897.53	1/2	1,509.43	1/2	1,120.66	1/2	737.06	1/2	357.00	1/2		1/2	1/2		1/2		1/2
3/4	2,277.97	3/4	1,889.45	3/4	1,501.33	3/4	1,112.56	3/4	729.25	3/4	348.90	3/4		3/4	3/4		3/4		3/4
7	2,269.86	7	1,881.37	7	1,493.23	7	1,104.46	7	721.45	7	340.80	7		7	7		7		7
1/4	2,261.76	1/4	1,873.29	1/4	1,485.13	1/4	1,096.36	1/4	713.65	1/4	332.69	1/4		1/4	1/4		1/4		1/4
1/2	2,253.66	1/2	1,865.21	1/2	1,477.03	1/2	1,088.26	1/2	705.85	1/2	324.59	1/2		1/2	1/2		1/2		1/2
3/4	2,245.56	3/4	1,857.13	3/4	1,468.93	3/4	1,080.16	3/4	698.04	3/4	316.48	3/4		3/4	3/4		3/4		3/4
8	2,237.45	8	1,849.05	8	1,460.83	8	1,072.06	8	690.24	8	308.38	8		8	8		8		8
1/4	2,229.35	1/4	1,840.98	1/4	1,452.73	1/4	1,063.96	1/4	682.44	1/4	300.27	1/4		1/4	1/4		1/4		1/4
1/2	2,221.25	1/2	1,832.90	1/2	1,444.63	1/2	1,055.86	1/2	674.64	1/2	292.17	1/2		1/2	1/2		1/2		1/2
3/4	2,213.15	3/4	1,824.82	3/4	1,436.53	3/4	1,047.77	3/4	666.84	3/4	284.06	3/4		3/4	3/4		3/4		3/4
9	2,205.04	9	1,816.74	9	1,428.43	9	1,039.67	9	659.03	9	275.96	9		9	9		9		9
1/4	2,196.94	1/4	1,808.66	1/4	1,420.33	1/4	1,031.57	1/4	651.23	1/4	267.85	1/4		1/4	1/4		1/4		1/4
1/2	2,188.84	1/2	1,800.58	1/2	1,412.23	1/2	1,023.47	1/2	643.43	1/2	259.75	1/2		1/2	1/2		1/2		1/2
3/4	2,180.74	3/4	1,792.50	3/4	1,404.13	3/4	1,015.37	3/4	635.63	3/4	251.64	3/4		3/4	3/4		3/4		3/4
10	2,172.63	10	1,784.43	10	1,396.04	10	1,007.27	10	627.82	10	243.54	10		10	10		10		10
1/4	2,164.53	1/4	1,776.35	1/4	1,387.94	1/4	999.17	1/4	620.02	1/4	235.43	1/4		1/4	1/4		1/4		1/4
1/2	2,156.43	1/2	1,768.27	1/2	1,379.84	1/2	991.07	1/2	612.22	1/2	227.33	1/2		1/2	1/2		1/2		1/2
3/4	2,148.33	3/4	1,760.19	3/4	1,371.74	3/4	982.97	3/4	604.42	3/4	219.22	3/4		3/4	3/4		3/4		3/4
11	2,140.22	11	1,752.11	11	1,363.64	11	974.87	11	596.61	11	211.12	11		11	11		11		11
1/4	2,132.12	1/4	1,744.03	1/4	1,355.54	1/4	966.77	1/4	588.81	1/4	203.02	1/4		1/4	1/4		1/4		1/4
1/2	2,124.02	1/2	1,735.95	1/2	1,347.44	1/2	958.67	1/2	581.00	1/2	194.91	1/2		1/2	1/2		1/2		1/2
3/4	2,115.92	3/4	1,727.87	3/4	1,339.34	3/4	950.57	3/4	573.19	3/4	186.81	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/06/2015 PMA
RECALCULATED: 03/13/2020 PMA
NAME CHANGE: 03/13/2020

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2020

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



BARGE "KIRBY 31004B"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 355B"

GAUGE HEIGHT 16'-05 1/2"

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 31004B"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 355B"

GAUGE HEIGHT 16'-05 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	2,503.18	0	2,114.57	0	1,727.33	0	1,339.98	0	951.32	0	573.05	0	186.70	0		0		0	
1/4	2,495.10	1/4	2,106.47	1/4	1,719.29	1/4	1,331.89	1/4	943.22	1/4	565.22	1/4	178.60	1/4	1/4		1/4		1/4
1/2	2,487.02	1/2	2,098.37	1/2	1,711.25	1/2	1,323.79	1/2	935.12	1/2	557.38	1/2	170.50	1/2	1/2		1/2		1/2
3/4	2,478.93	3/4	2,090.27	3/4	1,703.21	3/4	1,315.69	3/4	927.03	3/4	549.54	3/4	162.41	3/4	3/4		3/4		3/4
1	2,470.83	1	2,082.18	1	1,695.17	1	1,307.59	1	918.93	1	541.70	1	154.31	1	1		1		1
1/4	2,462.74	1/4	2,074.08	1/4	1,687.13	1/4	1,299.50	1/4	910.83	1/4	533.85	1/4	146.21	1/4	1/4		1/4		1/4
1/2	2,454.65	1/2	2,065.98	1/2	1,679.09	1/2	1,291.40	1/2	902.73	1/2	526.01	1/2	138.12	1/2	1/2		1/2		1/2
3/4	2,446.55	3/4	2,057.88	3/4	1,671.05	3/4	1,283.30	3/4	894.73	3/4	518.07	3/4	130.02	3/4	3/4		3/4		3/4
2	2,438.45	2	2,049.79	2	1,663.01	2	1,275.20	2	886.73	2	510.13	2	121.92	2	2		2		2
1/4	2,430.36	1/4	2,041.69	1/4	1,654.97	1/4	1,267.11	1/4	878.73	1/4	502.19	1/4	113.83	1/4	1/4		1/4		1/4
1/2	2,422.26	1/2	2,033.59	1/2	1,646.93	1/2	1,259.01	1/2	870.72	1/2	494.26	1/2	105.73	1/2	1/2		1/2		1/2
3/4	2,414.16	3/4	2,025.50	3/4	1,638.89	3/4	1,250.91	3/4	862.85	3/4	486.19	3/4	97.63	3/4	3/4		3/4		3/4
3	2,406.06	3	2,017.40	3	1,630.85	3	1,242.82	3	854.98	3	478.12	3	89.54	3	3		3		3
1/4	2,397.97	1/4	2,009.30	1/4	1,622.81	1/4	1,234.72	1/4	847.11	1/4	470.06	1/4	81.44	1/4	1/4		1/4		1/4
1/2	2,389.87	1/2	2,001.20	1/2	1,614.77	1/2	1,226.62	1/2	839.24	1/2	461.99	1/2	73.34	1/2	1/2		1/2		1/2
3/4	2,381.77	3/4	1,993.11	3/4	1,606.73	3/4	1,218.52	3/4	831.41	3/4	453.90	3/4	66.00	3/4	3/4		3/4		3/4
4	2,373.68	4	1,985.01	4	1,598.69	4	1,210.43	4	823.58	4	445.80	4	58.67	4	4		4		4
1/4	2,365.58	1/4	1,976.91	1/4	1,590.65	1/4	1,202.33	1/4	815.75	1/4	437.70	1/4	51.33	1/4	1/4		1/4		1/4
1/2	2,357.48	1/2	1,968.82	1/2	1,582.61	1/2	1,194.23	1/2	807.92	1/2	429.61	1/2	43.99	1/2	1/2		1/2		1/2
3/4	2,349.38	3/4	1,960.72	3/4	1,574.57	3/4	1,186.14	3/4	800.09	3/4	421.51	3/4	38.42	3/4	3/4		3/4		3/4
5	2,341.29	5	1,952.62	5	1,566.53	5	1,178.04	5	792.26	5	413.41	5	32.84	5	5		5		5
1/4	2,333.19	1/4	1,944.52	1/4	1,558.49	1/4	1,169.94	1/4	784.43	1/4	405.31	1/4	27.27	1/4	1/4		1/4		1/4
1/2	2,325.09	1/2	1,936.43	1/2	1,550.45	1/2	1,161.84	1/2	776.61	1/2	397.22	1/2	21.70	1/2	1/2		1/2		1/2
3/4	2,317.00	3/4	1,928.37	3/4	1,542.37	3/4	1,153.75	3/4	768.78	3/4	389.12	3/4		3/4	3/4		3/4		3/4
6	2,308.90	6	1,920.32	6	1,534.29	6	1,145.65	6	760.95	6	381.02	6		6	6		6		6
1/4	2,300.80	1/4	1,912.26	1/4	1,526.20	1/4	1,137.55	1/4	753.12	1/4	372.93	1/4		1/4	1/4		1/4		1/4
1/2	2,292.70	1/2	1,904.21	1/2	1,518.12	1/2	1,129.46	1/2	745.29	1/2	364.83	1/2		1/2	1/2		1/2		1/2
3/4	2,284.61	3/4	1,896.17	3/4	1,510.02	3/4	1,121.36	3/4	737.46	3/4	356.73	3/4		3/4	3/4		3/4		3/4
7	2,276.51	7	1,888.13	7	1,501.93	7	1,113.26	7	729.63	7	348.64	7		7	7		7		7
1/4	2,268.41	1/4	1,880.09	1/4	1,493.83	1/4	1,105.16	1/4	721.80	1/4	340.54	1/4		1/4	1/4		1/4		1/4
1/2	2,260.31	1/2	1,872.05	1/2	1,485.73	1/2	1,097.07	1/2	713.97	1/2	332.44	1/2		1/2	1/2		1/2		1/2
3/4	2,252.22	3/4	1,864.01	3/4	1,477.63	3/4	1,088.97	3/4	706.15	3/4	324.35	3/4		3/4	3/4		3/4		3/4
8	2,244.12	8	1,855.97	8	1,469.54	8	1,080.87	8	698.32	8	316.25	8		8	8		8		8
1/4	2,236.02	1/4	1,847.93	1/4	1,461.44	1/4	1,072.77	1/4	690.49	1/4	308.15	1/4		1/4	1/4		1/4		1/4
1/2	2,227.93	1/2	1,839.89	1/2	1,453.34	1/2	1,064.68	1/2	682.66	1/2	300.06	1/2		1/2	1/2		1/2		1/2
3/4	2,219.83	3/4	1,831.85	3/4	1,445.25	3/4	1,056.58	3/4	674.83	3/4	291.96	3/4		3/4	3/4		3/4		3/4
9	2,211.73	9	1,823.81	9	1,437.15	9	1,048.48	9	667.00	9	283.86	9		9	9		9		9
1/4	2,203.63	1/4	1,815.77	1/4	1,429.05	1/4	1,040.39	1/4	659.18	1/4	275.76	1/4		1/4	1/4		1/4		1/4
1/2	2,195.54	1/2	1,807.73	1/2	1,420.95	1/2	1,032.29	1/2	651.35	1/2	267.67	1/2		1/2	1/2		1/2		1/2
3/4	2,187.44	3/4	1,799.69	3/4	1,412.86	3/4	1,024.19	3/4	643.52	3/4	259.57	3/4		3/4	3/4		3/4		3/4
10	2,179.34	10	1,791.65	10	1,404.76	10	1,016.09	10	635.69	10	251.47	10		10	10		10		10
1/4	2,171.25	1/4	1,783.61	1/4	1,396.66	1/4	1,008.00	1/4	627.86	1/4	243.38	1/4		1/4	1/4		1/4		1/4
1/2	2,163.15	1/2	1,775.57	1/2	1,388.57	1/2	999.90	1/2	620.03	1/2	235.28	1/2		1/2	1/2		1/2		1/2
3/4	2,155.05	3/4	1,767.53	3/4	1,380.47	3/4	991.80	3/4	612.20	3/4	227.18	3/4		3/4	3/4		3/4		3/4
11	2,146.95	11	1,759.49	11	1,372.37	11	983.71	11	604.38	11	219.09	11		11	11		11		11
1/4	2,138.86	1/4	1,751.45	1/4	1,364.27	1/4	975.61	1/4	596.55	1/4	210.99	1/4		1/4	1/4		1/4		1/4
1/2	2,130.76	1/2	1,743.41	1/2	1,356.18	1/2	967.51	1/2	588.72	1/2	202.89	1/2		1/2	1/2		1/2		1/2
3/4	2,122.66	3/4	1,735.37	3/4	1,348.08	3/4	959.41	3/4	580.88	3/4	194.80	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/06/2015 PMA
RECALCULATED: 03/13/2020 PMA
NAME CHANGE: 03/13/2020

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2020

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



BARGE "KIRBY 31004B"

PORT SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "CTCO 355B"

GAUGE HEIGHT 4'-11 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	1,061	0	2,095	0	3,080	0	4,016	0		0	6 FT.	0	7 FT.	0	8 FT.	0	9 FT.
1/4	22	1/4	1,083	1/4	2,116	1/4	3,100	1/4	4,035	1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	44	1/2	1,105	1/2	2,137	1/2	3,120	1/2	4,054	1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	66	3/4	1,127	3/4	2,158	3/4	3,140	3/4	4,073	3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
1	88	1	1,149	1	2,179	1	3,160	1	4,092	1		1	6 FT.	1	7 FT.	1	8 FT.	1	9 FT.
1/4	111	1/4	1,171	1/4	2,200	1/4	3,180	1/4	4,111	1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	133	1/2	1,193	1/2	2,221	1/2	3,200	1/2	4,129	1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	155	3/4	1,215	3/4	2,242	3/4	3,220	3/4	4,148	3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
2	177	2	1,237	2	2,263	2	3,240	2	4,167	2		2	6 FT.	2	7 FT.	2	8 FT.	2	9 FT.
1/4	199	1/4	1,259	1/4	2,284	1/4	3,260	1/4	4,186	1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	221	1/2	1,281	1/2	2,305	1/2	3,279	1/2	4,205	1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	243	3/4	1,302	3/4	2,325	3/4	3,299	3/4	4,223	3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
3	265	3	1,324	3	2,346	3	3,319	3	4,242	3		3	6 FT.	3	7 FT.	3	8 FT.	3	9 FT.
1/4	287	1/4	1,346	1/4	2,367	1/4	3,339	1/4	4,261	1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	309	1/2	1,368	1/2	2,388	1/2	3,358	1/2	4,279	1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	332	3/4	1,390	3/4	2,408	3/4	3,378	3/4	4,298	3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
4	354	4	1,411	4	2,429	4	3,398	4	4,317	4		4	6 FT.	4	7 FT.	4	8 FT.	4	9 FT.
1/4	376	1/4	1,433	1/4	2,450	1/4	3,417	1/4	4,335	1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	398	1/2	1,455	1/2	2,471	1/2	3,437	1/2	4,354	1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	420	3/4	1,476	3/4	2,491	3/4	3,457	3/4	4,373	3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
5	442	5	1,498	5	2,512	5	3,476	5	4,391	5		5	6 FT.	5	7 FT.	5	8 FT.	5	9 FT.
1/4	464	1/4	1,520	1/4	2,532	1/4	3,496	1/4	4,410	1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	486	1/2	1,541	1/2	2,553	1/2	3,515	1/2	4,428	1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	508	3/4	1,563	3/4	2,574	3/4	3,535	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
6	531	6	1,584	6	2,594	6	3,554	6		6		6	6 FT.	6	7 FT.	6	8 FT.	6	9 FT.
1/4	553	1/4	1,606	1/4	2,615	1/4	3,574	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	575	1/2	1,627	1/2	2,635	1/2	3,593	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	597	3/4	1,649	3/4	2,655	3/4	3,613	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
7	619	7	1,670	7	2,676	7	3,632	7		7		7	6 FT.	7	7 FT.	7	8 FT.	7	9 FT.
1/4	641	1/4	1,692	1/4	2,696	1/4	3,651	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	663	1/2	1,713	1/2	2,717	1/2	3,671	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	685	3/4	1,735	3/4	2,737	3/4	3,690	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
8	707	8	1,756	8	2,758	8	3,710	8		8		8	6 FT.	8	7 FT.	8	8 FT.	8	9 FT.
1/4	730	1/4	1,777	1/4	2,778	1/4	3,729	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	752	1/2	1,799	1/2	2,798	1/2	3,748	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	774	3/4	1,820	3/4	2,818	3/4	3,767	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
9	796	9	1,841	9	2,839	9	3,787	9		9		9	6 FT.	9	7 FT.	9	8 FT.	9	9 FT.
1/4	818	1/4	1,863	1/4	2,859	1/4	3,806	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	840	1/2	1,884	1/2	2,879	1/2	3,825	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	862	3/4	1,905	3/4	2,899	3/4	3,844	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
10	884	10	1,926	10	2,920	10	3,863	10		10		10	6 FT.	10	7 FT.	10	8 FT.	10	9 FT.
1/4	906	1/4	1,948	1/4	2,940	1/4	3,883	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	928	1/2	1,969	1/2	2,960	1/2	3,902	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	951	3/4	1,990	3/4	2,980	3/4	3,921	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
11	973	11	2,011	11	3,000	11	3,940	11		11		11	6 FT.	11	7 FT.	11	8 FT.	11	9 FT.
1/4	995	1/4	2,032	1/4	3,020	1/4	3,959	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	1,017	1/2	2,053	1/2	3,040	1/2	3,978	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	1,039	3/4	2,074	3/4	3,060	3/4	3,997	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.
GAUGE POINT: TOP LIP OPPOSITE HINGE ON MANWAY

STRAPPED: 01/06/2015 CL
CALCULATED: 01/06/2015 CL
NAME CHANGE: 03/13/2020 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2020

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 31004B"

STBD SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "CTCO 355B"

GAUGE HEIGHT 4'-11 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	22	1/4	1,083	1/4	2,116	1/4	3,100	1/4	4,035	1/4		1/4		1/4		1/4		1/4	
1/2	44	1/2	1,105	1/2	2,137	1/2	3,120	1/2	4,054	1/2		1/2		1/2		1/2		1/2	
3/4	66	3/4	1,127	3/4	2,158	3/4	3,140	3/4	4,073	3/4		3/4		3/4		3/4		3/4	
1	88	1	1,149	1	2,179	1	3,160	1	4,092	1		1		1		1		1	
1/4	111	1/4	1,171	1/4	2,200	1/4	3,180	1/4	4,111	1/4		1/4		1/4		1/4		1/4	
1/2	133	1/2	1,193	1/2	2,221	1/2	3,200	1/2	4,129	1/2		1/2		1/2		1/2		1/2	
3/4	155	3/4	1,215	3/4	2,242	3/4	3,220	3/4	4,148	3/4		3/4		3/4		3/4		3/4	
2	177	2	1,237	2	2,263	2	3,240	2	4,167	2		2		2		2		2	
1/4	199	1/4	1,259	1/4	2,284	1/4	3,260	1/4	4,186	1/4		1/4		1/4		1/4		1/4	
1/2	221	1/2	1,281	1/2	2,305	1/2	3,279	1/2	4,205	1/2		1/2		1/2		1/2		1/2	
3/4	243	3/4	1,302	3/4	2,325	3/4	3,299	3/4	4,223	3/4		3/4		3/4		3/4		3/4	
3	265	3	1,324	3	2,346	3	3,319	3	4,242	3		3		3		3		3	
1/4	287	1/4	1,346	1/4	2,367	1/4	3,339	1/4	4,261	1/4		1/4		1/4		1/4		1/4	
1/2	309	1/2	1,368	1/2	2,388	1/2	3,358	1/2	4,279	1/2		1/2		1/2		1/2		1/2	
3/4	332	3/4	1,390	3/4	2,408	3/4	3,378	3/4	4,298	3/4		3/4		3/4		3/4		3/4	
4	354	4	1,411	4	2,429	4	3,398	4	4,317	4		4		4		4		4	
1/4	376	1/4	1,433	1/4	2,450	1/4	3,417	1/4	4,335	1/4		1/4		1/4		1/4		1/4	
1/2	398	1/2	1,455	1/2	2,471	1/2	3,437	1/2	4,354	1/2		1/2		1/2		1/2		1/2	
3/4	420	3/4	1,476	3/4	2,491	3/4	3,457	3/4	4,373	3/4		3/4		3/4		3/4		3/4	
5	442	5	1,498	5	2,512	5	3,476	5	4,391	5		5		5		5		5	
1/4	464	1/4	1,520	1/4	2,532	1/4	3,496	1/4	4,410	1/4		1/4		1/4		1/4		1/4	
1/2	486	1/2	1,541	1/2	2,553	1/2	3,515	1/2	4,428	1/2		1/2		1/2		1/2		1/2	
3/4	508	3/4	1,563	3/4	2,574	3/4	3,535	3/4		3/4		3/4		3/4		3/4		3/4	
6	531	6	1,584	6	2,594	6	3,554	6		6		6		6		6		6	
1/4	553	1/4	1,606	1/4	2,615	1/4	3,574	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	575	1/2	1,627	1/2	2,635	1/2	3,593	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	597	3/4	1,649	3/4	2,655	3/4	3,613	3/4		3/4		3/4		3/4		3/4		3/4	
7	619	7	1,670	7	2,676	7	3,632	7		7		7		7		7		7	
1/4	641	1/4	1,692	1/4	2,696	1/4	3,651	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	663	1/2	1,713	1/2	2,717	1/2	3,671	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	685	3/4	1,735	3/4	2,737	3/4	3,690	3/4		3/4		3/4		3/4		3/4		3/4	
8	707	8	1,756	8	2,758	8	3,710	8		8		8		8		8		8	
1/4	730	1/4	1,777	1/4	2,778	1/4	3,729	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	752	1/2	1,799	1/2	2,798	1/2	3,748	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	774	3/4	1,820	3/4	2,818	3/4	3,767	3/4		3/4		3/4		3/4		3/4		3/4	
9	796	9	1,841	9	2,839	9	3,787	9		9		9		9		9		9	
1/4	818	1/4	1,863	1/4	2,859	1/4	3,806	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	840	1/2	1,884	1/2	2,879	1/2	3,825	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	862	3/4	1,905	3/4	2,899	3/4	3,844	3/4		3/4		3/4		3/4		3/4		3/4	
10	884	10	1,926	10	2,920	10	3,863	10		10		10		10		10		10	
1/4	906	1/4	1,948	1/4	2,940	1/4	3,883	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	928	1/2	1,969	1/2	2,960	1/2	3,902	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	951	3/4	1,990	3/4	2,980	3/4	3,921	3/4		3/4		3/4		3/4		3/4		3/4	
11	973	11	2,011	11	3,000	11	3,940	11		11		11		11		11		11	
1/4	995	1/4	2,032	1/4	3,020	1/4	3,959	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,017	1/2	2,053	1/2	3,040	1/2	3,978	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,039	3/4	2,074	3/4	3,060	3/4	3,997	3/4		3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.
GAUGE POINT: TOP LIP OPPOSITE HINGE ON MANWAY

STRAPPED: 01/06/2015 CL
CALCULATED: 01/06/2015 CL
NAME CHANGE: 03/13/2020 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2020

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BARGE "KIRBY 31004B"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "CTCO 355B"

GAUGE HEIGHT 4'-11 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	192	0	384	0	576	0	768	0		0		0		0		0	
1/4	4	1/4	196	1/4	388	1/4	580	1/4	772	1/4		1/4		1/4		1/4		1/4	
1/2	8	1/2	200	1/2	392	1/2	584	1/2	776	1/2		1/2		1/2		1/2		1/2	
3/4	12	3/4	204	3/4	396	3/4	588	3/4	780	3/4		3/4		3/4		3/4		3/4	
1	16	1	208	1	400	1	592	1	784	1		1		1		1		1	
1/4	20	1/4	212	1/4	404	1/4	596	1/4	788	1/4		1/4		1/4		1/4		1/4	
1/2	24	1/2	216	1/2	408	1/2	600	1/2	792	1/2		1/2		1/2		1/2		1/2	
3/4	28	3/4	220	3/4	412	3/4	604	3/4	796	3/4		3/4		3/4		3/4		3/4	
2	32	2	224	2	416	2	608	2	800	2		2		2		2		2	
1/4	36	1/4	228	1/4	420	1/4	612	1/4	804	1/4		1/4		1/4		1/4		1/4	
1/2	40	1/2	232	1/2	424	1/2	616	1/2	808	1/2		1/2		1/2		1/2		1/2	
3/4	44	3/4	236	3/4	428	3/4	620	3/4	812	3/4		3/4		3/4		3/4		3/4	
3	48	3	240	3	432	3	624	3	816	3		3		3		3		3	
1/4	52	1/4	244	1/4	436	1/4	628	1/4	820	1/4		1/4		1/4		1/4		1/4	
1/2	56	1/2	248	1/2	440	1/2	632	1/2	824	1/2		1/2		1/2		1/2		1/2	
3/4	60	3/4	252	3/4	444	3/4	636	3/4	828	3/4		3/4		3/4		3/4		3/4	
4	64	4	256	4	448	4	640	4	832	4		4		4		4		4	
1/4	68	1/4	260	1/4	452	1/4	644	1/4	836	1/4		1/4		1/4		1/4		1/4	
1/2	72	1/2	264	1/2	456	1/2	648	1/2	840	1/2		1/2		1/2		1/2		1/2	
3/4	76	3/4	268	3/4	460	3/4	652	3/4	844	3/4		3/4		3/4		3/4		3/4	
5	80	5	272	5	464	5	656	5	848	5		5		5		5		5	
1/4	84	1/4	276	1/4	468	1/4	660	1/4	852	1/4		1/4		1/4		1/4		1/4	
1/2	88	1/2	280	1/2	472	1/2	664	1/2	856	1/2		1/2		1/2		1/2		1/2	
3/4	92	3/4	284	3/4	476	3/4	668	3/4	860	3/4		3/4		3/4		3/4		3/4	
6	96	6	288	6	480	6	672	6		6		6		6		6		6	
1/4	100	1/4	292	1/4	484	1/4	676	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	104	1/2	296	1/2	488	1/2	680	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	108	3/4	300	3/4	492	3/4	684	3/4		3/4		3/4		3/4		3/4		3/4	
7	112	7	304	7	496	7	688	7		7		7		7		7		7	
1/4	116	1/4	308	1/4	500	1/4	692	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	120	1/2	312	1/2	504	1/2	696	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	124	3/4	316	3/4	508	3/4	700	3/4		3/4		3/4		3/4		3/4		3/4	
8	128	8	320	8	512	8	704	8		8		8		8		8		8	
1/4	132	1/4	324	1/4	516	1/4	708	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	136	1/2	328	1/2	520	1/2	712	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	140	3/4	332	3/4	524	3/4	716	3/4		3/4		3/4		3/4		3/4		3/4	
9	144	9	336	9	528	9	720	9		9		9		9		9		9	
1/4	148	1/4	340	1/4	532	1/4	724	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152	1/2	344	1/2	536	1/2	728	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156	3/4	348	3/4	540	3/4	732	3/4		3/4		3/4		3/4		3/4		3/4	
10	160	10	352	10	544	10	736	10		10		10		10		10		10	
1/4	164	1/4	356	1/4	548	1/4	740	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	168	1/2	360	1/2	552	1/2	744	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	172	3/4	364	3/4	556	3/4	748	3/4		3/4		3/4		3/4		3/4		3/4	
11	176	11	368	11	560	11	752	11		11		11		11		11		11	
1/4	180	1/4	372	1/4	564	1/4	756	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	184	1/2	376	1/2	568	1/2	760	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	188	3/4	380	3/4	572	3/4	764	3/4		3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.
GAUGE POINT: TOP LIP OPPOSITE HINGE ON MANWAY

STRAPPED: 01/06/2015 CL
CALCULATED: 01/06/2015 CL
NAME CHANGE: 03/13/2020 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2020

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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