

BARGE "IB 1977"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
1 CENTER	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-1/2	- 00-1/2	00-3/4	- 00-3/4
3 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-1/2	- 00-1/2

(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)

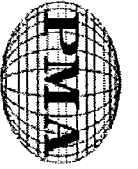
THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 CENTER IS - 00-1/4"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 3/4"

LENGTH BETWEEN DRAFT MARKS: 182'-09"

September 7, 2017

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

<http://www.pmacorp.net>



BARGE "IB 1977"

1 CENTER ULLAGE TABLE

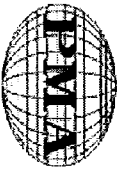
CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

IN	0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STAPLED 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 INNAUGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-03" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT & ANALYSIS, INC.
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BARGE "IB 1977"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-03 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	1,465.15	0	1,180.23	0	895.30	0	616.23	0	330.99	0	45.88	0	0	0	0	0	0	0	0
1/4	1,459.22	1/4	1,174.29	1/4	889.51	1/4	610.29	1/4	325.04	1/4	40.24	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,453.29	1/2	1,168.35	1/2	883.73	1/2	604.35	1/2	319.10	1/2	34.60	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,447.36	3/4	1,162.41	3/4	877.94	3/4	598.40	3/4	313.16	3/4	28.96	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,441.44	1	1,156.47	1	872.16	1	592.46	1	307.22	1	25.06	1	1	1	1	1	1	1	1
1/4	1,435.51	1/4	1,150.53	1/4	866.37	1/4	586.52	1/4	301.27	1/4	21.15	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,429.58	1/2	1,144.59	1/2	860.59	1/2	580.58	1/2	295.33	1/2	17.25	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,423.65	3/4	1,138.65	3/4	854.80	3/4	574.63	3/4	289.39	3/4	13.34	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,417.72	2	1,132.71	2	849.02	2	568.69	2	283.44	2	11.16	2	2	2	2	2	2	2	2
1/4	1,411.80	1/4	1,126.78	1/4	843.23	1/4	562.75	1/4	277.50	1/4	8.97	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,405.87	1/2	1,120.84	1/2	837.45	1/2	556.81	1/2	271.56	1/2	6.78	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,399.94	3/4	1,114.90	3/4	831.67	3/4	550.86	3/4	265.62	3/4	4.60	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,394.01	3	1,108.96	3	825.88	3	544.92	3	259.67	3	3.61	3	3	3	3	3	3	3	3
1/4	1,388.08	1/4	1,103.02	1/4	820.10	1/4	538.98	1/4	253.73	1/4	2.61	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,382.15	1/2	1,097.08	1/2	814.31	1/2	533.04	1/2	247.79	1/2	1.62	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,376.23	3/4	1,091.14	3/4	808.53	3/4	527.09	3/4	241.85	3/4	0.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,370.29	4	1,085.20	4	802.75	4	521.15	4	235.90	4	0.63	4	4	4	4	4	4	4	4
1/4	1,364.35	1/4	1,079.26	1/4	796.96	1/4	515.21	1/4	229.96	1/4	0.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,358.41	1/2	1,073.32	1/2	791.18	1/2	509.26	1/2	224.02	1/2	0.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,352.47	3/4	1,067.38	3/4	785.39	3/4	503.32	3/4	218.07	3/4	0.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,346.53	5	1,061.44	5	779.61	5	497.38	5	212.13	5	0.63	5	5	5	5	5	5	5	5
1/4	1,340.59	1/4	1,055.50	1/4	773.83	1/4	491.44	1/4	206.18	1/4	0.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,334.65	1/2	1,049.56	1/2	768.04	1/2	485.49	1/2	200.23	1/2	0.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,328.71	3/4	1,043.63	3/4	762.26	3/4	479.55	3/4	194.28	3/4	0.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,322.77	6	1,037.69	6	756.47	6	473.61	6	188.33	6	0.63	6	6	6	6	6	6	6	6
1/4	1,316.83	1/4	1,031.75	1/4	750.69	1/4	467.67	1/4	182.38	1/4	0.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,310.89	1/2	1,025.81	1/2	744.91	1/2	461.72	1/2	176.43	1/2	0.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,304.95	3/4	1,019.87	3/4	739.12	3/4	455.78	3/4	170.48	3/4	0.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,299.02	7	1,013.93	7	733.34	7	449.84	7	164.54	7	0.63	7	7	7	7	7	7	7	7
1/4	1,293.08	1/4	1,007.99	1/4	727.55	1/4	443.90	1/4	158.59	1/4	0.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,287.14	1/2	1,002.05	1/2	721.77	1/2	437.95	1/2	152.65	1/2	0.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,281.20	3/4	996.11	3/4	715.99	3/4	432.01	3/4	146.70	3/4	0.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,275.26	8	990.17	8	710.20	8	426.07	8	140.75	8	0.63	8	8	8	8	8	8	8	8
1/4	1,269.32	1/4	984.23	1/4	704.42	1/4	420.13	1/4	134.80	1/4	0.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,263.38	1/2	978.29	1/2	698.63	1/2	414.18	1/2	128.85	1/2	0.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,257.44	3/4	972.35	3/4	692.85	3/4	408.24	3/4	122.90	3/4	0.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,251.50	9	966.41	9	687.07	9	402.30	9	116.95	9	0.63	9	9	9	9	9	9	9	9
1/4	1,245.56	1/4	960.48	1/4	681.28	1/4	396.36	1/4	111.00	1/4	0.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,239.62	1/2	954.54	1/2	675.50	1/2	390.41	1/2	105.04	1/2	0.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,233.68	3/4	948.60	3/4	669.71	3/4	384.47	3/4	99.09	3/4	0.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,227.74	10	942.66	10	663.77	10	378.53	10	93.13	10	0.63	10	10	10	10	10	10	10	10
1/4	1,221.80	1/4	936.72	1/4	657.83	1/4	372.58	1/4	87.18	1/4	0.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,215.86	1/2	930.78	1/2	651.89	1/2	366.64	1/2	81.23	1/2	0.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,209.93	3/4	924.84	3/4	645.94	3/4	360.70	3/4	75.28	3/4	0.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,203.99	11	918.90	11	640.00	11	354.76	11	69.34	11	0.63	11	11	11	11	11	11	11	11
1/4	1,198.05	1/4	912.96	1/4	634.06	1/4	348.81	1/4	63.40	1/4	0.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,192.11	1/2	907.02	1/2	628.12	1/2	342.87	1/2	57.46	1/2	0.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,186.17	3/4	901.08	3/4	622.17	3/4	336.93	3/4	51.52	3/4	0.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/07/2017 CL
 CALCULATED: 09/08/2017 CL
 PRINTED: 09/08/2017 SW

CANCELS AND SUPERCEDES
 ALL PRIOR TO 09/2017

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
 http://www.pma.com.net



BARGE "IB 1977"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	3,852.47	0	3,611.88	0	3,336.84	0	3,061.40	0	2,786.16	0	2,510.91	0	2,235.67	0	1,960.43	0	1,685.19	0
1/4	1/4	3,852.23	1/4	3,606.15	1/4	3,330.60	1/4	3,055.66	1/4	2,780.42	1/4	2,505.18	1/4	2,229.94	1/4	1,954.70	1/4	1,679.45	1/4
1/2	1/2	3,850.80	1/2	3,600.41	1/2	3,325.17	1/2	3,049.93	1/2	2,774.69	1/2	2,499.45	1/2	2,224.20	1/2	1,948.96	1/2	1,673.72	1/2
3/4	3/4	3,849.36	3/4	3,594.68	3/4	3,319.44	3/4	3,044.19	3/4	2,768.95	3/4	2,493.71	3/4	2,218.47	3/4	1,943.23	3/4	1,667.99	3/4
1	1	3,847.93	1	3,588.94	1	3,313.70	1	3,038.46	1	2,763.22	1	2,487.98	1	2,212.74	1	1,937.49	1	1,662.25	1
1/4	1/4	3,846.50	1/4	3,583.21	1/4	3,307.97	1/4	3,032.73	1/4	2,757.48	1/4	2,482.24	1/4	2,207.00	1/4	1,931.76	1/4	1,656.52	1/4
1/2	1/2	3,843.15	1/2	3,577.48	1/2	3,302.32	1/2	3,026.99	1/2	2,751.75	1/2	2,476.51	1/2	2,201.27	1/2	1,926.03	1/2	1,650.78	1/2
3/4	3/4	3,839.81	3/4	3,571.74	3/4	3,296.50	3/4	3,021.26	3/4	2,746.02	3/4	2,470.77	3/4	2,195.53	3/4	1,920.29	3/4	1,645.05	3/4
2	2	3,836.46	2	3,566.01	2	3,290.77	2	3,015.52	2	2,740.28	2	2,465.04	2	2,189.80	2	1,914.56	2	1,639.32	2
1/4	1/4	3,833.12	1/4	3,560.27	1/4	3,285.03	1/4	3,009.79	1/4	2,734.55	1/4	2,459.31	1/4	2,184.06	1/4	1,908.82	1/4	1,633.58	1/4
1/2	1/2	3,827.94	1/2	3,554.54	1/2	3,279.30	1/2	3,004.06	1/2	2,728.81	1/2	2,453.57	1/2	2,178.33	1/2	1,903.09	1/2	1,627.85	1/2
3/4	3/4	3,822.77	3/4	3,548.80	3/4	3,273.56	3/4	2,998.32	3/4	2,723.08	3/4	2,447.84	3/4	2,172.60	3/4	1,897.35	3/4	1,622.11	3/4
3	3	3,817.59	3	3,543.07	3	3,267.83	3	2,992.59	3	2,717.35	3	2,442.10	3	2,166.86	3	1,891.62	3	1,616.38	3
1/4	1/4	3,812.41	1/4	3,537.34	1/4	3,262.09	1/4	2,986.85	1/4	2,711.61	1/4	2,436.37	1/4	2,161.13	1/4	1,885.89	1/4	1,610.64	1/4
1/2	1/2	3,806.72	1/2	3,531.60	1/2	3,256.36	1/2	2,981.12	1/2	2,705.88	1/2	2,430.64	1/2	2,155.39	1/2	1,880.15	1/2	1,604.91	1/2
3/4	3/4	3,801.02	3/4	3,525.87	3/4	3,250.63	3/4	2,975.38	3/4	2,700.14	3/4	2,424.90	3/4	2,149.66	3/4	1,874.42	3/4	1,599.18	3/4
4	4	3,795.32	4	3,520.13	4	3,244.89	4	2,969.65	4	2,694.41	4	2,413.43	4	2,143.93	4	1,868.88	4	1,593.44	4
1/4	1/4	3,789.62	1/4	3,514.40	1/4	3,239.16	1/4	2,963.92	1/4	2,688.67	1/4	2,407.70	1/4	2,138.19	1/4	1,862.95	1/4	1,587.71	1/4
1/2	1/2	3,783.90	1/2	3,508.66	1/2	3,233.42	1/2	2,958.18	1/2	2,682.94	1/2	2,399.42	1/2	2,132.46	1/2	1,857.22	1/2	1,581.97	1/2
3/4	3/4	3,778.17	3/4	3,502.93	3/4	3,227.69	3/4	2,952.45	3/4	2,677.21	3/4	2,393.62	3/4	2,126.92	3/4	1,851.48	3/4	1,576.24	3/4
5	5	3,772.45	5	3,497.20	5	3,221.95	5	2,946.71	5	2,671.47	5	2,387.23	5	2,120.95	5	1,845.75	5	1,570.51	5
1/4	1/4	3,766.73	1/4	3,491.46	1/4	3,216.32	1/4	2,940.98	1/4	2,665.74	1/4	2,381.90	1/4	2,115.25	1/4	1,840.01	1/4	1,564.77	1/4
1/2	1/2	3,760.99	1/2	3,485.73	1/2	3,210.49	1/2	2,935.24	1/2	2,660.00	1/2	2,374.76	1/2	2,109.52	1/2	1,834.28	1/2	1,559.04	1/2
3/4	3/4	3,755.25	3/4	3,479.99	3/4	3,204.75	3/4	2,929.51	3/4	2,654.27	3/4	2,369.03	3/4	2,103.79	3/4	1,828.54	3/4	1,553.30	3/4
6	6	3,749.51	6	3,474.26	6	3,199.02	6	2,923.78	6	2,648.53	6	2,357.56	6	2,098.05	6	1,822.81	6	1,547.57	6
1/4	1/4	3,743.77	1/4	3,468.53	1/4	3,193.28	1/4	2,918.04	1/4	2,642.80	1/4	2,346.22	1/4	2,092.32	1/4	1,817.08	1/4	1,541.83	1/4
1/2	1/2	3,738.03	1/2	3,462.79	1/2	3,187.52	1/2	2,912.31	1/2	2,637.07	1/2	2,339.82	1/2	2,086.58	1/2	1,811.34	1/2	1,536.10	1/2
3/4	3/4	3,732.30	3/4	3,457.06	3/4	3,181.85	3/4	2,906.57	3/4	2,631.33	3/4	2,333.09	3/4	2,080.85	3/4	1,805.61	3/4	1,530.37	3/4
7	7	3,726.56	7	3,451.32	7	3,176.08	7	2,900.84	7	2,625.60	7	2,327.42	7	2,075.11	7	1,799.87	7	1,524.63	7
1/4	1/4	3,720.83	1/4	3,445.59	1/4	3,170.35	1/4	2,895.11	1/4	2,619.86	1/4	2,324.62	1/4	2,069.38	1/4	1,794.14	1/4	1,518.90	1/4
1/2	1/2	3,715.10	1/2	3,439.85	1/2	3,164.61	1/2	2,889.37	1/2	2,614.13	1/2	2,318.89	1/2	2,063.65	1/2	1,788.40	1/2	1,513.16	1/2
3/4	3/4	3,709.36	3/4	3,434.12	3/4	3,158.88	3/4	2,883.64	3/4	2,608.40	3/4	2,313.15	3/4	2,057.91	3/4	1,782.67	3/4	1,507.43	3/4
8	8	3,703.63	8	3,428.39	8	3,153.14	8	2,877.90	8	2,602.66	8	2,307.42	8	2,052.18	8	1,776.94	8	1,501.69	8
1/4	1/4	3,697.89	1/4	3,422.65	1/4	3,147.41	1/4	2,872.17	1/4	2,596.93	1/4	2,301.69	1/4	2,046.44	1/4	1,771.20	1/4	1,495.96	1/4
1/2	1/2	3,692.16	1/2	3,416.92	1/2	3,141.68	1/2	2,866.43	1/2	2,591.19	1/2	2,315.95	1/2	2,040.71	1/2	1,765.47	1/2	1,490.23	1/2
3/4	3/4	3,686.42	3/4	3,411.18	3/4	3,135.94	3/4	2,860.70	3/4	2,585.46	3/4	2,310.22	3/4	2,034.98	3/4	1,759.73	3/4	1,484.49	3/4
9	9	3,680.69	9	3,405.45	9	3,130.21	9	2,854.97	9	2,579.72	9	2,304.48	9	2,029.24	9	1,754.00	9	1,478.76	9
1/4	1/4	3,674.96	1/4	3,399.71	1/4	3,124.47	1/4	2,849.23	1/4	2,573.99	1/4	2,298.75	1/4	2,023.51	1/4	1,748.27	1/4	1,473.02	1/4
1/2	1/2	3,669.22	1/2	3,393.98	1/2	3,118.74	1/2	2,843.50	1/2	2,568.26	1/2	2,293.01	1/2	2,017.77	1/2	1,742.53	1/2	1,467.29	1/2
3/4	3/4	3,663.49	3/4	3,388.25	3/4	3,113.00	3/4	2,837.76	3/4	2,562.52	3/4	2,287.28	3/4	2,012.04	3/4	1,736.80	3/4	1,461.56	3/4
10	10	3,657.75	10	3,382.51	10	3,107.24	10	2,832.03	10	2,556.52	10	2,281.55	10	2,006.30	10	1,731.06	10	1,455.82	10
1/4	1/4	3,652.02	1/4	3,376.78	1/4	3,101.47	1/4	2,826.29	1/4	2,551.15	1/4	2,275.81	1/4	2,000.57	1/4	1,725.33	1/4	1,450.09	1/4
1/2	1/2	3,646.29	1/2	3,371.04	1/2	3,095.60	1/2	2,820.56	1/2	2,545.32	1/2	2,270.08	1/2	1,994.84	1/2	1,719.59	1/2	1,444.35	1/2
3/4	3/4	3,640.55	3/4	3,365.31	3/4	3,090.07	3/4	2,814.83	3/4	2,539.58	3/4	2,264.34	3/4	1,989.10	3/4	1,713.86	3/4	1,438.62	3/4
11	11	3,634.82	11	3,359.58	11	3,084.33	11	2,809.09	11	2,533.85	11	2,258.61	11	1,983.37	11	1,708.33	11	1,432.88	11
1/4	1/4	3,629.08	1/4	3,353.84	1/4	3,078.60	1/4	2,803.36	1/4	2,528.12	1/4	2,252.87	1/4	1,977.63	1/4	1,702.29	1/4	1,427.15	1/4
1/2	1/2	3,623.35	1/2	3,348.11	1/2	3,072.87	1/2	2,797.62	1/2	2,522.38	1/2	2,247.14	1/2	1,971.90	1/2	1,696.66	1/2	1,421.42	1/2
3/4	3/4	3,617.61	3/4	3,342.37	3/4	3,067.13	3/4	2,791.89	3/4	2,516.65	3/4	2,241.41	3/4	1,966.16	3/4	1,690.92	3/4	1,415.68	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH NIPMS 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 TO TOP OF 2" DIAMETER "HERMETIC" VALVE
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmatco.com>



BARGE "IB 1977"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	1,409.95	0	1,134.71	0	859.97	0	590.96	0	315.72	0	40.71	0	0	0	0	0	0	0	0
1/4	1,404.21	1/4	1,128.97	1/4	854.40	1/4	585.22	1/4	309.99	1/4	35.02	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,398.48	1/2	1,123.24	1/2	848.83	1/2	579.49	1/2	304.26	1/2	30.25	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,392.74	3/4	1,117.50	3/4	843.27	3/4	573.75	3/4	298.52	3/4	25.47	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,387.01	1	1,111.77	1	837.70	1	568.02	1	292.79	1	20.70	1	1	1	1	1	1	1	1
1/4	1,381.28	1/4	1,106.03	1/4	832.13	1/4	562.29	1/4	287.05	1/4	15.92	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,375.54	1/2	1,100.30	1/2	826.57	1/2	556.55	1/2	281.32	1/2	13.05	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,369.81	3/4	1,094.57	3/4	821.00	3/4	550.82	3/4	275.59	3/4	10.19	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,364.07	2	1,088.83	2	815.43	2	545.08	2	269.85	2	7.32	2	2	2	2	2	2	2	2
1/4	1,358.34	1/4	1,083.10	1/4	809.87	1/4	539.35	1/4	264.12	1/4	4.45	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,352.61	1/2	1,077.36	1/2	804.30	1/2	533.62	1/2	258.38	1/2	3.50	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,346.87	3/4	1,071.63	3/4	798.74	3/4	527.88	3/4	252.65	3/4	2.54	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,341.14	3	1,065.90	3	793.17	3	522.15	3	246.92	3	1.59	3	3	3	3	3	3	3	3
1/4	1,335.40	1/4	1,060.16	1/4	787.61	1/4	516.41	1/4	241.18	1/4	0.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,329.67	1/2	1,054.43	1/2	782.04	1/2	510.68	1/2	235.45	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,323.93	3/4	1,048.69	3/4	776.47	3/4	504.95	3/4	229.71	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,318.20	4	1,042.96	4	770.91	4	499.21	4	223.98	4	0.00	4	4	4	4	4	4	4	4
1/4	1,312.47	1/4	1,037.22	1/4	765.34	1/4	493.48	1/4	218.25	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,306.73	1/2	1,031.49	1/2	759.78	1/2	487.74	1/2	212.51	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,301.00	3/4	1,025.76	3/4	754.21	3/4	482.01	3/4	206.78	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,295.26	5	1,020.02	5	748.65	5	476.54	5	201.04	5	0.00	5	5	5	5	5	5	5	5
1/4	1,289.53	1/4	1,014.29	1/4	743.08	1/4	470.88	1/4	195.31	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,283.80	1/2	1,008.55	1/2	737.51	1/2	465.21	1/2	189.58	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,278.06	3/4	1,002.82	3/4	731.95	3/4	459.07	3/4	183.84	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,272.33	6	997.09	6	726.38	6	453.34	6	178.11	6	0.00	6	6	6	6	6	6	6	6
1/4	1,266.59	1/4	991.35	1/4	720.82	1/4	447.61	1/4	172.37	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,260.86	1/2	985.62	1/2	715.25	1/2	441.87	1/2	166.64	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,255.12	3/4	979.88	3/4	709.69	3/4	436.14	3/4	160.91	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,249.39	7	974.15	7	704.12	7	430.40	7	155.17	7	0.00	7	7	7	7	7	7	7	7
1/4	1,243.66	1/4	968.41	1/4	698.55	1/4	424.67	1/4	149.44	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,237.92	1/2	962.68	1/2	692.99	1/2	418.94	1/2	143.71	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,232.19	3/4	956.95	3/4	687.42	3/4	413.20	3/4	137.97	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,226.45	8	951.21	8	681.86	8	407.47	8	132.24	8	0.00	8	8	8	8	8	8	8	8
1/4	1,220.72	1/4	945.48	1/4	676.29	1/4	401.73	1/4	126.51	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,214.98	1/2	939.74	1/2	670.73	1/2	396.00	1/2	120.77	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,209.25	3/4	934.01	3/4	665.16	3/4	390.27	3/4	115.04	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,203.52	9	928.27	9	659.59	9	384.53	9	109.30	9	0.00	9	9	9	9	9	9	9	9
1/4	1,197.78	1/4	922.54	1/4	654.03	1/4	378.80	1/4	103.57	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,192.05	1/2	916.81	1/2	648.30	1/2	373.06	1/2	97.84	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,186.31	3/4	911.07	3/4	642.56	3/4	367.33	3/4	92.10	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,180.58	10	905.34	10	636.83	10	361.60	10	86.37	10	0.00	10	10	10	10	10	10	10	10
1/4	1,174.85	1/4	899.60	1/4	631.09	1/4	355.86	1/4	80.64	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,169.11	1/2	893.87	1/2	625.36	1/2	350.13	1/2	74.92	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,163.38	3/4	888.14	3/4	619.63	3/4	344.39	3/4	69.20	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,157.64	11	882.40	11	613.89	11	338.66	11	63.48	11	0.00	11	11	11	11	11	11	11	11
1/4	1,151.91	1/4	876.67	1/4	608.16	1/4	332.93	1/4	57.76	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,146.17	1/2	871.10	1/2	602.42	1/2	327.19	1/2	52.08	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,140.44	3/4	865.53	3/4	596.69	3/4	321.46	3/4	46.39	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/07/2017 CL
 CALCULATED: 09/08/2017 CL
 PRINTED: 09/08/2017 SW

CANCELS AND SUPERCEDES
 ALL PRIOR TO 09/2017

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



BARGE "IB 1977"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

IN	0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

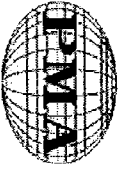
BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MEPS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
CAPACITY TABLE ONLY APPLIES TO INNAUGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31"-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT & ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

http://www.pma.com.net



BARGE "IB 1977"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-03 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,409.23	0	1,136.46	0	863.70	0	591.33	0	318.57	0	45.98	0	0	0	0	0	0	0	0
1/4	1,403.55	1/4	1,130.78	1/4	858.03	1/4	585.65	1/4	312.89	1/4	40.35	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,397.87	1/2	1,125.09	1/2	852.36	1/2	579.97	1/2	307.21	1/2	34.71	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,392.19	3/4	1,119.41	3/4	846.68	3/4	574.29	3/4	301.53	3/4	29.98	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,386.50	1	1,113.73	1	841.01	1	568.60	1	295.84	1	25.25	1	1	1	1	1	1	1	1
1/4	1,380.82	1/4	1,108.05	1/4	835.34	1/4	562.92	1/4	290.16	1/4	20.51	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,375.14	1/2	1,102.36	1/2	829.66	1/2	557.24	1/2	284.48	1/2	15.78	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,369.46	3/4	1,096.68	3/4	823.99	3/4	551.56	3/4	278.80	3/4	12.94	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,363.77	2	1,091.00	2	818.32	2	545.87	2	273.11	2	10.10	2	2	2	2	2	2	2	2
1/4	1,358.09	1/4	1,085.32	1/4	812.65	1/4	540.19	1/4	267.43	1/4	7.26	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,352.41	1/2	1,079.63	1/2	806.97	1/2	534.51	1/2	261.75	1/2	4.41	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,346.72	3/4	1,073.95	3/4	801.30	3/4	528.83	3/4	256.07	3/4	3.47	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,341.04	3	1,068.27	3	795.63	3	523.14	3	250.38	3	2.52	3	3	3	3	3	3	3	3
1/4	1,335.36	1/4	1,062.58	1/4	789.96	1/4	517.46	1/4	244.70	1/4	1.57	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,329.68	1/2	1,056.90	1/2	784.29	1/2	511.78	1/2	239.02	1/2	0.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,323.99	3/4	1,051.22	3/4	778.61	3/4	506.10	3/4	233.34	3/4	0.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,318.31	4	1,045.54	4	772.94	4	500.41	4	227.65	4	4	4	4	4	4	4	4	4	4
1/4	1,312.63	1/4	1,039.85	1/4	767.27	1/4	494.73	1/4	221.97	1/4	2.21	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,306.94	1/2	1,034.17	1/2	761.60	1/2	489.05	1/2	216.29	1/2	1.26	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,301.26	3/4	1,028.49	3/4	755.93	3/4	483.37	3/4	210.61	3/4	0.31	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,295.58	5	1,022.80	5	750.25	5	477.68	5	204.92	5	0.31	5	5	5	5	5	5	5	5
1/4	1,289.90	1/4	1,017.12	1/4	744.58	1/4	472.00	1/4	199.24	1/4	0.31	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,284.21	1/2	1,011.44	1/2	738.91	1/2	466.32	1/2	193.56	1/2	0.31	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,278.53	3/4	1,005.76	3/4	733.24	3/4	460.64	3/4	187.88	3/4	0.31	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,272.85	6	1,000.07	6	727.57	6	454.95	6	182.19	6	0.31	6	6	6	6	6	6	6	6
1/4	1,267.16	1/4	994.39	1/4	721.89	1/4	449.27	1/4	176.51	1/4	0.31	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,261.48	1/2	988.71	1/2	716.22	1/2	443.59	1/2	170.83	1/2	0.31	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,255.80	3/4	983.02	3/4	710.55	3/4	437.91	3/4	165.15	3/4	0.31	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,250.12	7	977.34	7	704.88	7	432.22	7	159.47	7	0.31	7	7	7	7	7	7	7	7
1/4	1,244.43	1/4	971.66	1/4	699.21	1/4	426.54	1/4	153.78	1/4	0.31	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,238.75	1/2	965.98	1/2	693.53	1/2	420.86	1/2	148.10	1/2	0.31	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,233.07	3/4	960.29	3/4	687.86	3/4	415.18	3/4	142.42	3/4	0.31	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,227.39	8	954.61	8	682.19	8	409.49	8	136.74	8	0.31	8	8	8	8	8	8	8	8
1/4	1,221.70	1/4	948.93	1/4	676.52	1/4	403.81	1/4	131.06	1/4	0.31	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,216.02	1/2	943.25	1/2	670.85	1/2	398.13	1/2	125.37	1/2	0.31	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,210.34	3/4	937.56	3/4	665.17	3/4	392.45	3/4	119.69	3/4	0.31	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,204.65	9	931.88	9	659.50	9	386.76	9	114.01	9	0.31	9	9	9	9	9	9	9	9
1/4	1,198.97	1/4	926.20	1/4	653.83	1/4	381.08	1/4	108.32	1/4	0.31	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,193.29	1/2	920.51	1/2	648.16	1/2	375.40	1/2	102.64	1/2	0.31	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,187.61	3/4	914.83	3/4	642.48	3/4	369.72	3/4	96.96	3/4	0.31	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,181.92	10	909.15	10	636.79	10	364.03	10	91.28	10	0.31	10	10	10	10	10	10	10	10
1/4	1,176.24	1/4	903.47	1/4	631.11	1/4	358.35	1/4	85.60	1/4	0.31	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,170.56	1/2	897.78	1/2	625.43	1/2	352.67	1/2	79.92	1/2	0.31	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,164.87	3/4	892.10	3/4	619.75	3/4	346.99	3/4	74.25	3/4	0.31	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,159.19	11	886.42	11	614.06	11	341.30	11	68.58	11	0.31	11	11	11	11	11	11	11	11
1/4	1,153.51	1/4	880.73	1/4	608.38	1/4	335.62	1/4	62.91	1/4	0.31	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,147.83	1/2	875.05	1/2	602.70	1/2	329.94	1/2	57.25	1/2	0.31	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,142.14	3/4	869.38	3/4	597.02	3/4	324.26	3/4	51.61	3/4	0.31	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/07/2017 CL
CALCULATED: 09/08/2017 CL
PRINTED: 09/08/2017 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2017

PRECISION MEASUREMENT
& ANALYSIS, INC.

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