

BARGE "IB 1989"

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	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
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	00-5/8	- 00-5/8	00-5/8	- 00-5/8
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	00-5/8	- 00-5/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

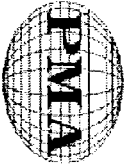
FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

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

December 7, 2017

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



BARGE "IB 1989"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-03 3/4"

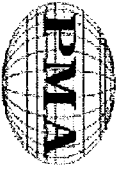
IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	3,488.28	0	3,303.14	0	3,399.29	0	3,118.15	0	2,897.01	0	2,610.97	0	2,325.16	0	2,039.37	0	1,753.56
1/4	1/4	1/4	3,484.43	1/4	3,484.53	1/4	3,295.43	1/4	3,114.15	1/4	2,881.04	1/4	2,605.01	1/4	2,319.21	1/4	2,033.41	1/4	1,747.60
1/2	1/2	1/2	3,640.17	1/2	3,480.57	1/2	3,295.43	1/2	3,110.29	1/2	2,885.07	1/2	2,599.06	1/2	2,313.25	1/2	2,027.46	1/2	1,741.65
3/4	3/4	3/4	3,639.92	3/4	3,476.71	3/4	3,291.57	3/4	3,106.43	3/4	2,879.11	3/4	2,593.11	3/4	2,307.30	3/4	2,021.51	3/4	1,735.69
1	1	1	3,638.43	1	3,472.86	1	3,287.71	1	3,102.57	1	2,873.14	1	2,587.15	1	2,301.35	1	2,015.55	1	1,729.74
1/4	1/4	1/4	3,636.94	1/4	3,469.00	1/4	3,283.86	1/4	3,098.72	1/4	2,867.17	1/4	2,581.20	1/4	2,295.39	1/4	2,009.60	1/4	1,723.79
1/2	1/2	1/2	3,635.44	1/2	3,465.14	1/2	3,280.00	1/2	3,094.86	1/2	2,861.21	1/2	2,575.24	1/2	2,289.44	1/2	2,003.64	1/2	1,717.83
3/4	3/4	3/4	3,633.95	3/4	3,461.28	3/4	3,276.14	3/4	3,091.00	3/4	2,855.24	3/4	2,569.29	3/4	2,283.49	3/4	1,997.69	3/4	1,711.88
1	1	1	3,632.58	1	3,457.43	1	3,272.29	1	3,087.15	1	2,849.27	1	2,563.33	1	2,277.53	1	1,991.73	1	1,705.92
1/4	1/4	1/4	3,631.21	1/4	3,453.57	1/4	3,268.43	1/4	3,083.29	1/4	2,843.31	1/4	2,557.38	1/4	2,271.58	1/4	1,985.78	1/4	1,699.97
1/2	1/2	1/2	3,629.84	1/2	3,449.71	1/2	3,264.57	1/2	3,079.43	1/2	2,837.34	1/2	2,551.42	1/2	2,265.62	1/2	1,979.82	1/2	1,694.01
3/4	3/4	3/4	3,628.47	3/4	3,445.86	3/4	3,260.72	3/4	3,075.57	3/4	2,831.38	3/4	2,545.47	3/4	2,259.67	3/4	1,973.87	3/4	1,688.06
1	1	1	3,626.19	1	3,442.00	1	3,256.86	1	3,071.72	1	2,825.41	1	2,539.52	1	2,253.72	1	1,967.82	1	1,682.10
1/4	1/4	1/4	3,621.92	1/4	3,438.14	1/4	3,253.00	1/4	3,067.86	1/4	2,819.44	1/4	2,533.56	1/4	2,247.76	1/4	1,961.96	1/4	1,676.15
1/2	1/2	1/2	3,618.64	1/2	3,434.28	1/2	3,249.14	1/2	3,064.00	1/2	2,813.48	1/2	2,527.61	1/2	2,241.81	1/2	1,956.01	1/2	1,670.20
3/4	3/4	3/4	3,615.36	3/4	3,430.43	3/4	3,245.29	3/4	3,060.15	3/4	2,807.51	3/4	2,521.65	3/4	2,235.86	3/4	1,950.95	3/4	1,664.24
1	1	1	3,611.55	1	3,426.57	1	3,241.43	1	3,056.29	1	2,801.54	1	2,515.70	1	2,229.90	1	1,944.10	1	1,658.29
1/4	1/4	1/4	3,607.73	1/4	3,422.71	1/4	3,237.57	1/4	3,052.43	1/4	2,795.58	1/4	2,509.74	1/4	2,223.95	1/4	1,938.14	1/4	1,652.33
1/2	1/2	1/2	3,603.91	1/2	3,418.86	1/2	3,233.72	1/2	3,048.57	1/2	2,789.61	1/2	2,503.79	1/2	2,217.99	1/2	1,932.19	1/2	1,646.38
3/4	3/4	3/4	3,600.09	3/4	3,415.00	3/4	3,229.86	3/4	3,044.72	3/4	2,783.65	3/4	2,497.84	3/4	2,212.04	3/4	1,926.24	3/4	1,640.42
1	1	1	3,596.24	1	3,411.14	1	3,226.00	1	3,040.86	1	2,777.69	1	2,491.88	1	2,206.09	1	1,920.38	1	1,634.47
1/4	1/4	1/4	3,592.40	1/4	3,407.28	1/4	3,222.14	1/4	3,037.00	1/4	2,771.74	1/4	2,485.93	1/4	2,200.13	1/4	1,914.33	1/4	1,628.52
1/2	1/2	1/2	3,588.55	1/2	3,403.43	1/2	3,218.29	1/2	3,033.15	1/2	2,765.78	1/2	2,479.97	1/2	2,194.18	1/2	1,908.37	1/2	1,622.66
3/4	3/4	3/4	3,584.70	3/4	3,399.57	3/4	3,214.63	3/4	3,029.29	3/4	2,759.83	3/4	2,474.02	3/4	2,188.23	3/4	1,902.42	3/4	1,616.61
1	1	1	3,580.85	1	3,395.71	1	3,210.57	1	3,025.43	1	2,753.87	1	2,468.06	1	2,182.27	1	1,896.46	1	1,610.67
1/4	1/4	1/4	3,576.99	1/4	3,391.86	1/4	3,206.72	1/4	3,021.57	1/4	2,747.92	1/4	2,462.11	1/4	2,176.32	1/4	1,890.51	1/4	1,604.73
1/2	1/2	1/2	3,573.14	1/2	3,388.00	1/2	3,202.86	1/2	3,017.72	1/2	2,741.97	1/2	2,456.15	1/2	2,170.36	1/2	1,884.55	1/2	1,598.79
3/4	3/4	3/4	3,569.28	3/4	3,384.14	3/4	3,199.00	3/4	3,013.86	3/4	2,736.01	3/4	2,450.20	3/4	2,164.41	3/4	1,878.50	3/4	1,592.85
1	1	1	3,565.43	1	3,380.29	1	3,195.14	1	3,010.00	1	2,730.06	1	2,444.25	1	2,158.46	1	1,872.65	1	1,586.91
1/4	1/4	1/4	3,561.57	1/4	3,376.43	1/4	3,191.29	1/4	3,006.15	1/4	2,724.10	1/4	2,438.29	1/4	2,152.50	1/4	1,866.69	1/4	1,580.97
1/2	1/2	1/2	3,557.71	1/2	3,372.57	1/2	3,187.43	1/2	3,002.29	1/2	2,718.15	1/2	2,432.34	1/2	2,146.55	1/2	1,860.74	1/2	1,575.03
3/4	3/4	3/4	3,553.85	3/4	3,368.71	3/4	3,183.57	3/4	2,998.43	3/4	2,712.19	3/4	2,426.38	3/4	2,140.59	3/4	1,854.78	3/4	1,569.09
1	1	1	3,550.00	1	3,364.86	1	3,179.72	1	2,992.47	1	2,706.24	1	2,420.43	1	2,134.64	1	1,848.83	1	1,563.15
1/4	1/4	1/4	3,546.14	1/4	3,361.00	1/4	3,175.86	1/4	2,986.50	1/4	2,700.28	1/4	2,414.47	1/4	2,128.68	1/4	1,842.87	1/4	1,557.21
1/2	1/2	1/2	3,542.28	1/2	3,357.14	1/2	3,172.00	1/2	2,980.53	1/2	2,694.33	1/2	2,408.52	1/2	2,122.73	1/2	1,836.92	1/2	1,551.27
3/4	3/4	3/4	3,538.43	3/4	3,353.29	3/4	3,168.14	3/4	2,974.57	3/4	2,688.38	3/4	2,402.56	3/4	2,116.78	3/4	1,830.96	3/4	1,545.33
1	1	1	3,534.57	1	3,349.43	1	3,164.29	1	2,968.60	1	2,682.42	1	2,396.61	1	2,110.82	1	1,825.01	1	1,539.39
1/4	1/4	1/4	3,530.71	1/4	3,345.57	1/4	3,160.43	1/4	2,962.63	1/4	2,676.47	1/4	2,390.66	1/4	2,104.87	1/4	1,819.06	1/4	1,533.44
1/2	1/2	1/2	3,526.86	1/2	3,341.71	1/2	3,156.57	1/2	2,956.67	1/2	2,670.51	1/2	2,384.70	1/2	2,098.91	1/2	1,813.10	1/2	1,527.50
3/4	3/4	3/4	3,523.00	3/4	3,337.86	3/4	3,152.72	3/4	2,950.70	3/4	2,664.56	3/4	2,378.75	3/4	2,092.96	3/4	1,807.15	3/4	1,521.56
1	1	1	3,519.14	1	3,334.00	1	3,148.86	1	2,944.74	1	2,658.50	1	2,372.79	1	2,087.00	1	1,801.14	1	1,515.62
1/4	1/4	1/4	3,515.28	1/4	3,330.14	1/4	3,144.00	1/4	2,938.74	1/4	2,652.65	1/4	2,366.84	1/4	2,081.05	1/4	1,795.24	1/4	1,509.66
1/2	1/2	1/2	3,511.43	1/2	3,326.29	1/2	3,141.15	1/2	2,932.80	1/2	2,646.70	1/2	2,360.88	1/2	2,075.10	1/2	1,789.28	1/2	1,503.74
3/4	3/4	3/4	3,507.57	3/4	3,322.43	3/4	3,137.29	3/4	2,926.84	3/4	2,640.74	3/4	2,354.93	3/4	2,069.14	3/4	1,783.38	3/4	1,497.80
1	1	1	3,503.71	1	3,318.57	1	3,133.43	1	2,920.87	1	2,634.79	1	2,348.98	1	2,063.19	1	1,777.38	1	1,491.86
1/4	1/4	1/4	3,499.86	1/4	3,314.71	1/4	3,129.57	1/4	2,914.90	1/4	2,628.83	1/4	2,343.02	1/4	2,057.23	1/4	1,771.42	1/4	1,485.92
1/2	1/2	1/2	3,496.00	1/2	3,310.86	1/2	3,125.72	1/2	2,908.94	1/2	2,622.88	1/2	2,337.07	1/2	2,051.28	1/2	1,765.47	1/2	1,479.98
3/4	3/4	3/4	3,492.14	3/4	3,307.00	3/4	3,121.86	3/4	2,902.97	3/4	2,616.92	3/4	2,331.11	3/4	2,045.32	3/4	1,759.51	3/4	1,474.04

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 ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
http://www.pmaacorp.net



BARGE "IB 1989"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-03 3/4"

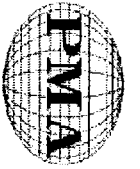
IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,468.10	0	1,182.61	0	897.10	0	617.47	0	331.65	0	45.97	0	0	0	0	0	0	0	0
1/4	1,462.16	1/4	1,176.66	1/4	891.31	1/4	611.52	1/4	325.70	1/4	40.32	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,456.22	1/2	1,170.71	1/2	885.51	1/2	605.56	1/2	319.74	1/2	34.67	1/2	1/4	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,450.28	3/4	1,164.76	3/4	879.71	3/4	599.61	3/4	313.79	3/4	29.02	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,444.34	1	1,158.80	1	873.92	1	593.66	1	307.83	1	25.11	1	1	1	1	1	1	1	1
1/4	1,438.40	1/4	1,152.85	1/4	868.12	1/4	587.70	1/4	301.88	1/4	21.19	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,432.46	1/2	1,146.90	1/2	862.32	1/2	581.75	1/2	295.93	1/2	17.28	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,426.52	3/4	1,140.95	3/4	856.53	3/4	575.79	3/4	289.97	3/4	13.37	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,420.58	2	1,135.00	2	850.73	2	569.84	2	284.02	2	11.18	2	2	2	2	2	2	2	2
1/4	1,414.64	1/4	1,129.05	1/4	844.94	1/4	563.88	1/4	278.06	1/4	8.99	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,408.70	1/2	1,123.10	1/2	839.14	1/2	557.93	1/2	272.11	1/2	6.80	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,402.76	3/4	1,117.15	3/4	833.35	3/4	551.97	3/4	266.15	3/4	4.61	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,396.82	3	1,111.19	3	827.55	3	546.02	3	260.20	3	3.61	3	3	3	3	3	3	3	3
1/4	1,390.88	1/4	1,105.24	1/4	821.75	1/4	540.06	1/4	254.24	1/4	2.62	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,384.94	1/2	1,099.29	1/2	815.96	1/2	534.11	1/2	248.29	1/2	1.62	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,379.00	3/4	1,093.34	3/4	810.16	3/4	528.16	3/4	242.33	3/4	0.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,373.05	4	1,087.39	4	804.37	4	522.20	4	236.38	4	0.63	4	4	4	4	4	4	4	4
1/4	1,367.10	1/4	1,081.44	1/4	798.57	1/4	516.25	1/4	230.42	1/4	0.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,361.15	1/2	1,075.49	1/2	792.78	1/2	510.29	1/2	224.47	1/2	0.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,355.20	3/4	1,069.53	3/4	786.98	3/4	504.34	3/4	218.51	3/4	0.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,349.25	5	1,063.58	5	781.18	5	498.38	5	212.55	5	0.63	5	5	5	5	5	5	5	5
1/4	1,343.29	1/4	1,057.63	1/4	775.39	1/4	492.43	1/4	206.59	1/4	0.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,337.34	1/2	1,051.68	1/2	769.59	1/2	486.47	1/2	200.63	1/2	0.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,331.39	3/4	1,045.73	3/4	763.80	3/4	480.52	3/4	194.67	3/4	0.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,325.44	6	1,039.78	6	758.00	6	474.56	6	188.71	6	0.63	6	6	6	6	6	6	6	6
1/4	1,319.49	1/4	1,033.83	1/4	752.21	1/4	468.61	1/4	182.75	1/4	0.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,313.54	1/2	1,027.88	1/2	746.41	1/2	462.65	1/2	176.79	1/2	0.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,307.59	3/4	1,021.92	3/4	740.61	3/4	456.70	3/4	170.82	3/4	0.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,301.64	7	1,015.97	7	734.82	7	450.75	7	164.87	7	0.63	7	7	7	7	7	7	7	7
1/4	1,295.68	1/4	1,010.02	1/4	729.02	1/4	444.79	1/4	158.91	1/4	0.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,289.73	1/2	1,004.07	1/2	723.23	1/2	438.84	1/2	152.95	1/2	0.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,283.78	3/4	998.12	3/4	717.43	3/4	432.88	3/4	147.00	3/4	0.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,277.83	8	992.17	8	711.64	8	426.93	8	141.04	8	0.63	8	8	8	8	8	8	8	8
1/4	1,271.88	1/4	986.22	1/4	705.84	1/4	420.97	1/4	135.07	1/4	0.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,265.93	1/2	980.27	1/2	700.04	1/2	415.02	1/2	129.11	1/2	0.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,259.98	3/4	974.31	3/4	694.25	3/4	409.06	3/4	123.15	3/4	0.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,254.03	9	968.36	9	688.45	9	403.11	9	117.19	9	0.63	9	9	9	9	9	9	9	9
1/4	1,248.07	1/4	962.41	1/4	682.66	1/4	397.15	1/4	111.22	1/4	0.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,242.12	1/2	956.46	1/2	676.86	1/2	391.20	1/2	105.25	1/2	0.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,236.17	3/4	950.51	3/4	671.07	3/4	385.24	3/4	99.29	3/4	0.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,230.22	10	944.56	10	665.11	10	379.29	10	93.32	10	0.63	10	10	10	10	10	10	10	10
1/4	1,224.27	1/4	938.61	1/4	659.16	1/4	373.34	1/4	87.36	1/4	0.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,218.32	1/2	932.65	1/2	653.20	1/2	367.38	1/2	81.39	1/2	0.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,212.37	3/4	926.70	3/4	647.25	3/4	361.43	3/4	75.43	3/4	0.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,206.41	11	920.75	11	641.29	11	355.47	11	69.48	11	0.63	11	11	11	11	11	11	11	11
1/4	1,200.46	1/4	914.80	1/4	635.34	1/4	349.52	1/4	63.52	1/4	0.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,194.51	1/2	908.85	1/2	629.38	1/2	343.56	1/2	57.57	1/2	0.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,188.56	3/4	902.90	3/4	623.43	3/4	337.61	3/4	51.62	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: 12/06/2017 SW
CALCULATED: 12/07/2017 CL
PRINTED: 12/07/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2017

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



BARGE "IB 1989"

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	0	IN	1	IN	2	IN	3	IN	4	IN	5	IN	6	IN	7	IN	8	IN	9
0	0	3,841.47	0	3,596.08	0	3,351.61	0	3,047.13	0	2,772.66	0	2,498.19	0	2,223.71	0	1,949.24	0	1,674.76	
1/4	1/4	3,840.04	1/4	3,590.36	1/4	3,315.89	1/4	3,041.41	1/4	2,766.94	1/4	2,492.47	1/4	2,217.99	1/4	1,943.52	1/4	1,669.05	
1/2	1/2	3,838.61	1/2	3,584.64	1/2	3,310.17	1/2	3,035.70	1/2	2,761.22	1/2	2,487.75	1/2	2,212.28	1/2	1,937.81	1/2	1,663.33	
3/4	3/4	3,837.18	3/4	3,578.92	3/4	3,304.45	3/4	3,029.98	3/4	2,755.50	3/4	2,481.03	3/4	2,206.56	3/4	1,932.08	3/4	1,657.61	
1	1	3,835.75	1	3,573.21	1	3,298.73	1	3,024.26	1	2,749.79	1	2,474.07	1	2,200.84	1	1,926.37	1	1,651.89	
1/4	1/4	3,832.42	1/4	3,567.49	1/4	3,293.01	1/4	3,018.54	1/4	2,744.07	1/4	2,469.59	1/4	2,195.12	1/4	1,920.65	1/4	1,646.17	
1/2	1/2	3,829.08	1/2	3,561.77	1/2	3,287.30	1/2	3,012.82	1/2	2,738.35	1/2	2,463.88	1/2	2,189.40	1/2	1,914.93	1/2	1,640.46	
3/4	3/4	3,825.75	3/4	3,556.05	3/4	3,281.58	3/4	3,007.10	3/4	2,732.63	3/4	2,458.16	3/4	2,183.68	3/4	1,909.21	3/4	1,634.74	
2	2	3,822.41	2	3,550.33	2	3,275.86	2	3,001.39	2	2,726.91	2	2,452.44	2	2,177.97	2	1,903.49	2	1,629.02	
1/4	1/4	3,817.25	1/4	3,544.62	1/4	3,270.14	1/4	2,995.67	1/4	2,721.19	1/4	2,446.72	1/4	2,172.25	1/4	1,897.77	1/4	1,623.30	
1/2	1/2	3,812.09	1/2	3,538.90	1/2	3,264.42	1/2	2,989.95	1/2	2,715.48	1/2	2,441.00	1/2	2,166.53	1/2	1,892.06	1/2	1,617.58	
3/4	3/4	3,806.92	3/4	3,533.18	3/4	3,258.71	3/4	2,984.23	3/4	2,709.76	3/4	2,435.28	3/4	2,160.81	3/4	1,886.34	3/4	1,611.86	
3	3	3,801.76	3	3,527.46	3	3,252.99	3	2,978.51	3	2,704.04	3	2,429.57	3	2,155.09	3	1,880.62	3	1,606.15	
1/4	1/4	3,796.08	1/4	3,521.74	1/4	3,247.27	1/4	2,972.80	1/4	2,698.32	1/4	2,423.85	1/4	2,149.37	1/4	1,874.90	1/4	1,600.43	
1/2	1/2	3,790.40	1/2	3,516.02	1/2	3,241.55	1/2	2,967.08	1/2	2,692.08	1/2	2,417.13	1/2	2,143.66	1/2	1,869.47	1/2	1,594.71	
3/4	3/4	3,784.72	3/4	3,510.31	3/4	3,235.83	3/4	2,961.36	3/4	2,686.89	3/4	2,412.41	3/4	2,137.94	3/4	1,863.46	3/4	1,588.99	
4	4	3,779.04	4	3,504.59	4	3,230.11	4	2,955.64	4	2,681.17	4	2,406.69	4	2,132.22	4	1,857.75	4	1,583.27	
1/4	1/4	3,773.33	1/4	3,498.37	1/4	3,224.40	1/4	2,949.92	1/4	2,675.45	1/4	2,400.98	1/4	2,126.50	1/4	1,852.03	1/4	1,577.55	
1/2	1/2	3,767.62	1/2	3,493.15	1/2	3,218.68	1/2	2,944.20	1/2	2,669.73	1/2	2,395.26	1/2	2,120.78	1/2	1,846.51	1/2	1,571.84	
3/4	3/4	3,761.91	3/4	3,487.43	3/4	3,212.96	3/4	2,938.49	3/4	2,664.01	3/4	2,389.54	3/4	2,115.07	3/4	1,840.59	3/4	1,566.12	
5	5	3,756.20	5	3,481.72	5	3,207.24	5	2,932.77	5	2,658.29	5	2,383.82	5	2,109.35	5	1,834.67	5	1,560.40	
1/4	1/4	3,750.48	1/4	3,476.00	1/4	3,201.52	1/4	2,927.05	1/4	2,652.58	1/4	2,378.10	1/4	2,103.63	1/4	1,829.16	1/4	1,554.68	
1/2	1/2	3,744.76	1/2	3,470.28	1/2	3,195.81	1/2	2,921.33	1/2	2,646.86	1/2	2,372.38	1/2	2,097.91	1/2	1,823.44	1/2	1,548.96	
3/4	3/4	3,739.04	3/4	3,464.56	3/4	3,190.09	3/4	2,915.61	3/4	2,641.14	3/4	2,366.67	3/4	2,092.19	3/4	1,817.72	3/4	1,543.25	
6	6	3,733.32	6	3,458.84	6	3,184.37	6	2,909.90	6	2,635.42	6	2,360.95	6	2,350.95	6	2,086.47	6	1,537.53	
1/4	1/4	3,727.60	1/4	3,453.12	1/4	3,178.65	1/4	2,904.18	1/4	2,629.90	1/4	2,355.23	1/4	2,349.51	1/4	2,080.76	1/4	1,531.81	
1/2	1/2	3,721.88	1/2	3,447.41	1/2	3,172.93	1/2	2,898.46	1/2	2,623.99	1/2	2,349.51	1/2	2,343.79	1/2	2,075.04	1/2	1,526.09	
3/4	3/4	3,716.16	3/4	3,441.69	3/4	3,167.21	3/4	2,892.74	3/4	2,618.27	3/4	2,343.79	3/4	2,338.08	3/4	2,069.32	3/4	1,520.37	
7	7	3,710.44	7	3,435.97	7	3,161.50	7	2,887.02	7	2,612.55	7	2,338.08	7	2,332.36	7	2,063.60	7	1,514.65	
1/4	1/4	3,704.73	1/4	3,430.25	1/4	3,155.78	1/4	2,881.30	1/4	2,606.83	1/4	2,332.36	1/4	2,326.64	1/4	2,057.88	1/4	1,508.94	
1/2	1/2	3,699.01	1/2	3,424.53	1/2	3,150.06	1/2	2,875.59	1/2	2,601.11	1/2	2,326.64	1/2	2,320.92	1/2	2,052.17	1/2	1,503.22	
3/4	3/4	3,693.29	3/4	3,418.82	3/4	3,144.34	3/4	2,869.87	3/4	2,595.39	3/4	2,320.92	3/4	2,315.20	3/4	2,046.45	3/4	1,497.50	
8	8	3,687.57	8	3,413.10	8	3,138.62	8	2,864.15	8	2,589.68	8	2,315.20	8	2,309.48	8	2,040.73	8	1,491.78	
1/4	1/4	3,681.85	1/4	3,407.38	1/4	3,132.91	1/4	2,858.43	1/4	2,583.96	1/4	2,309.48	1/4	2,303.77	1/4	2,035.01	1/4	1,486.06	
1/2	1/2	3,676.13	1/2	3,401.66	1/2	3,127.19	1/2	2,852.71	1/2	2,578.24	1/2	2,303.77	1/2	2,298.05	1/2	2,029.29	1/2	1,480.35	
3/4	3/4	3,670.42	3/4	3,395.94	3/4	3,121.47	3/4	2,847.00	3/4	2,572.52	3/4	2,298.05	3/4	2,292.33	3/4	2,023.57	3/4	1,474.63	
9	9	3,664.70	9	3,390.22	9	3,115.75	9	2,841.28	9	2,566.80	9	2,292.33	9	2,286.61	9	2,017.86	9	1,468.91	
1/4	1/4	3,659.98	1/4	3,384.51	1/4	3,110.03	1/4	2,835.56	1/4	2,561.09	1/4	2,286.61	1/4	2,280.89	1/4	2,012.14	1/4	1,463.19	
1/2	1/2	3,654.26	1/2	3,378.79	1/2	3,104.31	1/2	2,829.84	1/2	2,555.37	1/2	2,280.89	1/2	2,275.18	1/2	2,006.42	1/2	1,457.47	
3/4	3/4	3,648.54	3/4	3,373.07	3/4	3,098.60	3/4	2,824.12	3/4	2,549.65	3/4	2,275.18	3/4	2,274.4	3/4	2,000.70	3/4	1,451.75	
10	10	3,642.82	10	3,367.35	10	3,092.88	10	2,818.40	10	2,543.93	10	2,269.44	10	2,268.02	10	1,994.98	10	1,446.04	
1/4	1/4	3,636.11	1/4	3,361.63	1/4	3,087.16	1/4	2,812.69	1/4	2,538.21	1/4	2,263.74	1/4	2,262.30	1/4	1,989.27	1/4	1,440.32	
1/2	1/2	3,630.39	1/2	3,355.92	1/2	3,081.44	1/2	2,806.97	1/2	2,532.49	1/2	2,258.02	1/2	2,256.58	1/2	1,983.55	1/2	1,434.60	
3/4	3/4	3,624.67	3/4	3,350.20	3/4	3,075.72	3/4	2,801.25	3/4	2,526.76	3/4	2,252.30	3/4	2,251.16	3/4	1,977.83	3/4	1,428.88	
11	11	3,618.95	11	3,344.48	11	3,070.01	11	2,795.53	11	2,521.06	11	2,246.58	11	2,240.87	11	1,972.11	11	1,423.15	
1/4	1/4	3,613.23	1/4	3,338.76	1/4	3,064.29	1/4	2,789.81	1/4	2,515.34	1/4	2,240.87	1/4	2,235.15	1/4	1,966.39	1/4	1,417.45	
1/2	1/2	3,607.52	1/2	3,333.04	1/2	3,058.57	1/2	2,784.10	1/2	2,509.62	1/2	2,235.15	1/2	2,229.43	1/2	1,960.67	1/2	1,411.73	
3/4	3/4	3,601.80	3/4	3,327.32	3/4	3,052.85	3/4	2,778.38	3/4	2,503.90	3/4	2,229.43	3/4	2,223.15	3/4	1,954.96	3/4	1,406.01	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH NFPA 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
 Peshland, Texas 77588
 http://www.pmaacorp.net



BARGE "IB 1989"

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	1,400.29	0	1,125.82	0	852.01	0	583.59	0	309.12	0	34.92	0	0	0	0	0	0	0	0
1/4	1,394.57	1/4	1,120.10	1/4	846.46	1/4	577.87	1/4	303.40	1/4	30.16	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,388.85	1/2	1,114.38	1/2	840.91	1/2	572.15	1/2	297.69	1/2	26.40	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,383.14	3/4	1,108.66	3/4	835.36	3/4	566.43	3/4	291.97	3/4	20.63	3/4	0	3/4	0	3/4	0	3/4	0
1	1,377.42	1	1,102.94	1	829.80	1	560.71	1	286.25	1	15.87	1	0	1	0	1	0	1	0
1/4	1,371.70	1/4	1,097.23	1/4	824.25	1/4	555.00	1/4	280.53	1/4	13.01	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,365.98	1/2	1,091.51	1/2	818.70	1/2	549.28	1/2	274.81	1/2	10.15	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,360.26	3/4	1,085.79	3/4	813.15	3/4	543.56	3/4	269.10	3/4	7.30	3/4	0	3/4	0	3/4	0	3/4	0
2	1,354.55	2	1,080.07	2	807.60	2	537.84	2	263.38	2	4.44	2	0	2	0	2	0	2	0
1/4	1,348.83	1/4	1,074.35	1/4	802.05	1/4	532.12	1/4	257.66	1/4	3.48	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,343.11	1/2	1,068.64	1/2	796.50	1/2	526.41	1/2	251.94	1/2	2.53	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,337.39	3/4	1,062.92	3/4	790.95	3/4	520.69	3/4	246.22	3/4	1.58	3/4	0	3/4	0	3/4	0	3/4	0
3	1,331.67	3	1,057.20	3	785.40	3	514.97	3	240.51	3	0.63	3	0	3	0	3	0	3	0
1/4	1,325.95	1/4	1,051.48	1/4	779.85	1/4	509.25	1/4	234.79	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,320.24	1/2	1,045.76	1/2	774.30	1/2	503.53	1/2	229.07	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,314.52	3/4	1,040.04	3/4	768.75	3/4	497.82	3/4	223.35	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
4	1,308.80	4	1,034.33	4	763.20	4	492.10	4	217.63	4	0	4	0	4	0	4	0	4	0
1/4	1,303.08	1/4	1,028.61	1/4	757.65	1/4	486.38	1/4	211.92	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,297.36	1/2	1,022.89	1/2	752.10	1/2	480.66	1/2	206.20	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,291.64	3/4	1,017.17	3/4	746.55	3/4	474.94	3/4	200.48	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
5	1,285.93	5	1,011.45	5	741.00	5	469.23	5	194.76	5	0	5	0	5	0	5	0	5	0
1/4	1,280.21	1/4	1,005.73	1/4	735.45	1/4	463.51	1/4	189.04	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,274.49	1/2	1,000.02	1/2	729.90	1/2	457.79	1/2	183.33	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,268.77	3/4	994.30	3/4	724.35	3/4	452.07	3/4	177.61	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
6	1,263.05	6	988.58	6	718.80	6	446.35	6	171.89	6	0	6	0	6	0	6	0	6	0
1/4	1,257.34	1/4	982.86	1/4	713.25	1/4	440.64	1/4	166.17	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,251.62	1/2	977.14	1/2	707.70	1/2	434.92	1/2	160.46	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,245.90	3/4	971.43	3/4	702.15	3/4	429.20	3/4	154.74	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
7	1,240.18	7	965.71	7	696.60	7	423.48	7	149.02	7	0	7	0	7	0	7	0	7	0
1/4	1,234.46	1/4	959.99	1/4	691.05	1/4	417.76	1/4	143.30	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,228.74	1/2	954.27	1/2	685.50	1/2	412.05	1/2	137.58	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,223.03	3/4	948.55	3/4	679.95	3/4	406.33	3/4	131.87	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
8	1,217.31	8	942.83	8	674.40	8	400.61	8	126.15	8	0	8	0	8	0	8	0	8	0
1/4	1,211.59	1/4	937.12	1/4	668.85	1/4	394.89	1/4	120.43	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,205.87	1/2	931.40	1/2	663.30	1/2	389.17	1/2	114.71	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,200.15	3/4	925.68	3/4	657.75	3/4	383.46	3/4	109.00	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
9	1,194.44	9	919.96	9	652.20	9	377.74	9	103.28	9	0	9	0	9	0	9	0	9	0
1/4	1,188.72	1/4	914.24	1/4	646.48	1/4	372.02	1/4	97.56	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,183.00	1/2	908.53	1/2	640.77	1/2	366.30	1/2	91.84	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,177.28	3/4	902.81	3/4	635.05	3/4	360.58	3/4	86.13	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
10	1,171.56	10	897.09	10	629.33	10	354.87	10	80.41	10	0	10	0	10	0	10	0	10	0
1/4	1,165.84	1/4	891.37	1/4	623.61	1/4	349.15	1/4	74.71	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,160.13	1/2	885.65	1/2	617.89	1/2	343.43	1/2	69.00	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,154.41	3/4	879.93	3/4	612.18	3/4	337.71	3/4	63.30	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
11	1,148.69	11	874.22	11	606.46	11	331.99	11	57.60	11	0	11	0	11	0	11	0	11	0
1/4	1,142.97	1/4	868.66	1/4	600.74	1/4	326.28	1/4	51.93	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,137.25	1/2	863.11	1/2	595.02	1/2	320.56	1/2	46.26	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,131.54	3/4	857.56	3/4	589.30	3/4	314.84	3/4	40.59	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0

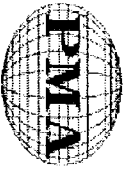
CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/06/2017 SW
CALCULATED: 12/07/2017 CL
PRINTED: 12/07/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2017

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588
http://www.dtmacorp.net



BARGE "IB 1989"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

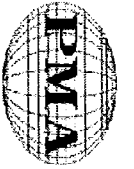
GAUGE HEIGHT 15'-03"

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	3,819.41	1/4	3,571.49	1/4	3,298.94	1/4	3,026.39	1/4	2,759.51	1/4	2,486.96	1/4	2,214.40	1/4	1,941.85	1/4	1,669.30	1/4	1,396.74
1/2	3,817.99	1/2	3,569.81	1/2	3,293.26	1/2	3,020.71	1/2	2,748.15	1/2	2,475.60	1/2	2,203.05	1/2	1,930.49	1/2	1,657.94	1/2	1,385.38
3/4	3,816.57	3/4	3,568.14	3/4	3,287.58	3/4	3,015.03	3/4	2,742.48	3/4	2,469.92	3/4	2,197.37	3/4	1,924.81	3/4	1,652.26	3/4	1,379.70
1	3,815.15	1	3,554.46	1	3,281.90	1	3,009.35	1	2,736.80	1	2,464.24	1	2,191.69	1	1,918.14	1	1,645.58	1	1,372.02
1/4	3,811.84	1/4	3,548.78	1/4	3,276.23	1/4	3,003.67	1/4	2,731.12	1/4	2,458.57	1/4	2,186.01	1/4	1,913.46	1/4	1,640.90	1/4	1,367.34
1/2	3,808.52	1/2	3,545.10	1/2	3,270.55	1/2	2,997.99	1/2	2,725.44	1/2	2,453.88	1/2	2,183.32	1/2	1,910.76	1/2	1,638.20	1/2	1,364.78
3/4	3,805.21	3/4	3,531.72	3/4	3,264.87	3/4	2,992.32	3/4	2,719.76	3/4	2,447.21	3/4	2,174.66	3/4	1,902.10	3/4	1,625.55	3/4	1,351.22
2	3,801.90	2	3,531.90	2	3,259.19	2	2,986.64	2	2,714.08	2	2,441.53	2	2,168.98	2	1,896.42	2	1,623.87	2	1,348.75
1/4	3,796.77	1/4	3,528.07	1/4	3,253.51	1/4	2,980.96	1/4	2,708.41	1/4	2,438.41	1/4	2,163.30	1/4	1,890.75	1/4	1,618.19	1/4	1,346.20
1/2	3,791.65	1/2	3,520.39	1/2	3,247.84	1/2	2,975.28	1/2	2,702.73	1/2	2,430.17	1/2	2,157.62	1/2	1,885.07	1/2	1,612.51	1/2	1,343.61
3/4	3,786.52	3/4	3,514.71	3/4	3,242.16	3/4	2,969.60	3/4	2,697.05	3/4	2,424.50	3/4	2,151.94	3/4	1,879.39	3/4	1,606.84	3/4	1,341.02
3	3,781.40	3	3,508.03	3	3,236.48	3	2,963.93	3	2,693.93	3	2,418.82	3	2,146.26	3	1,873.71	3	1,601.16	3	1,338.43
1/4	3,775.76	1/4	3,503.35	1/4	3,230.80	1/4	2,958.25	1/4	2,688.69	1/4	2,413.14	1/4	2,140.59	1/4	1,868.03	1/4	1,595.48	1/4	1,335.84
1/2	3,770.11	1/2	3,497.68	1/2	3,225.12	1/2	2,952.57	1/2	2,683.02	1/2	2,407.46	1/2	2,134.91	1/2	1,862.35	1/2	1,592.89	1/2	1,333.25
3/4	3,764.47	3/4	3,492.00	3/4	3,219.44	3/4	2,946.89	3/4	2,677.34	3/4	2,401.78	3/4	2,129.23	3/4	1,856.68	3/4	1,589.12	3/4	1,330.66
4	3,758.83	4	3,486.32	4	3,213.77	4	2,941.21	4	2,668.66	4	2,396.11	4	2,123.55	4	1,851.00	4	1,578.44	4	1,328.07
1/4	3,753.16	1/4	3,480.64	1/4	3,208.09	1/4	2,935.53	1/4	2,662.98	1/4	2,390.43	1/4	2,117.87	1/4	1,845.32	1/4	1,572.77	1/4	1,325.48
1/2	3,747.49	1/2	3,474.96	1/2	3,202.41	1/2	2,929.86	1/2	2,657.30	1/2	2,384.75	1/2	2,112.20	1/2	1,839.64	1/2	1,567.09	1/2	1,322.89
3/4	3,741.83	3/4	3,469.29	3/4	3,196.73	3/4	2,924.18	3/4	2,651.62	3/4	2,379.07	3/4	2,106.52	3/4	1,833.96	3/4	1,564.41	3/4	1,320.30
5	3,736.16	5	3,463.61	5	3,191.05	5	2,918.50	5	2,645.95	5	2,373.39	5	2,100.84	5	1,828.29	5	1,559.73	5	1,317.71
1/4	3,730.50	1/4	3,457.93	1/4	3,185.38	1/4	2,912.82	1/4	2,640.27	1/4	2,367.71	1/4	2,096.16	1/4	1,822.61	1/4	1,556.16	1/4	1,315.12
1/2	3,724.80	1/2	3,452.25	1/2	3,179.70	1/2	2,907.14	1/2	2,634.59	1/2	2,362.04	1/2	2,091.48	1/2	1,816.93	1/2	1,553.57	1/2	1,312.53
3/4	3,719.13	3/4	3,446.57	3/4	3,174.02	3/4	2,901.47	3/4	2,628.92	3/4	2,356.36	3/4	2,083.80	3/4	1,811.25	3/4	1,550.98	3/4	1,310.04
6	3,713.45	6	3,440.89	6	3,168.34	6	2,895.79	6	2,623.23	6	2,350.58	6	2,078.13	6	1,805.57	6	1,548.32	6	1,307.45
1/4	3,707.77	1/4	3,435.22	1/4	3,162.66	1/4	2,890.11	1/4	2,617.56	1/4	2,345.00	1/4	2,072.45	1/4	1,799.89	1/4	1,545.73	1/4	1,304.86
1/2	3,702.02	1/2	3,429.54	1/2	3,156.98	1/2	2,884.43	1/2	2,611.88	1/2	2,339.32	1/2	2,066.77	1/2	1,794.22	1/2	1,543.14	1/2	1,302.27
3/4	3,696.41	3/4	3,423.86	3/4	3,151.31	3/4	2,878.75	3/4	2,606.20	3/4	2,333.65	3/4	2,061.09	3/4	1,788.54	3/4	1,540.55	3/4	1,300.08
7	3,690.74	7	3,418.18	7	3,145.63	7	2,873.07	7	2,600.52	7	2,327.97	7	2,055.41	7	1,782.86	7	1,537.96	7	1,297.49
1/4	3,685.06	1/4	3,412.50	1/4	3,139.95	1/4	2,867.40	1/4	2,594.84	1/4	2,322.29	1/4	2,049.74	1/4	1,777.18	1/4	1,535.37	1/4	1,295.90
1/2	3,679.38	1/2	3,406.83	1/2	3,134.27	1/2	2,861.72	1/2	2,589.16	1/2	2,316.61	1/2	2,044.06	1/2	1,771.50	1/2	1,532.78	1/2	1,293.31
3/4	3,673.70	3/4	3,401.15	3/4	3,128.59	3/4	2,856.04	3/4	2,583.49	3/4	2,310.93	3/4	2,038.38	3/4	1,765.83	3/4	1,530.19	3/4	1,290.72
8	3,668.02	8	3,395.47	8	3,122.92	8	2,850.36	8	2,577.81	8	2,305.25	8	2,032.70	8	1,760.15	8	1,487.59	8	1,288.13
1/4	3,662.34	1/4	3,389.79	1/4	3,117.24	1/4	2,844.68	1/4	2,572.13	1/4	2,299.58	1/4	2,027.02	1/4	1,754.47	1/4	1,484.92	1/4	1,285.54
1/2	3,656.67	1/2	3,384.11	1/2	3,111.56	1/2	2,838.01	1/2	2,566.45	1/2	2,293.90	1/2	2,021.34	1/2	1,748.79	1/2	1,482.33	1/2	1,282.95
3/4	3,650.99	3/4	3,378.43	3/4	3,105.88	3/4	2,833.33	3/4	2,560.77	3/4	2,288.22	3/4	2,015.67	3/4	1,743.11	3/4	1,479.68	3/4	1,280.36
9	3,645.31	9	3,372.76	9	3,100.20	9	2,827.65	9	2,555.10	9	2,282.54	9	2,009.99	9	1,737.43	9	1,477.09	9	1,277.77
1/4	3,639.63	1/4	3,367.08	1/4	3,094.52	1/4	2,821.97	1/4	2,549.42	1/4	2,276.86	1/4	2,004.31	1/4	1,731.76	1/4	1,474.50	1/4	1,275.18
1/2	3,633.95	1/2	3,361.40	1/2	3,088.85	1/2	2,816.29	1/2	2,543.74	1/2	2,271.19	1/2	1,998.63	1/2	1,726.08	1/2	1,471.91	1/2	1,272.59
3/4	3,628.27	3/4	3,355.72	3/4	3,083.17	3/4	2,810.61	3/4	2,538.06	3/4	2,265.51	3/4	1,992.95	3/4	1,720.40	3/4	1,469.32	3/4	1,270.00
10	3,622.60	10	3,350.04	10	3,077.49	10	2,804.94	10	2,532.38	10	2,259.33	10	1,987.28	10	1,714.72	10	1,466.73	10	1,267.41
1/4	3,616.92	1/4	3,344.36	1/4	3,071.81	1/4	2,799.26	1/4	2,526.72	1/4	2,254.15	1/4	1,981.60	1/4	1,709.04	1/4	1,464.14	1/4	1,264.82
1/2	3,611.24	1/2	3,338.69	1/2	3,066.13	1/2	2,793.58	1/2	2,521.03	1/2	2,248.47	1/2	1,975.92	1/2	1,703.37	1/2	1,461.55	1/2	1,262.23
3/4	3,605.56	3/4	3,333.01	3/4	3,060.45	3/4	2,787.90	3/4	2,515.35	3/4	2,242.79	3/4	1,970.24	3/4	1,697.69	3/4	1,458.96	3/4	1,259.64
11	3,599.88	11	3,327.33	11	3,054.78	11	2,782.22	11	2,509.67	11	2,237.12	11	1,964.56	11	1,692.01	11	1,456.37	11	1,257.05
1/4	3,594.21	1/4	3,321.65	1/4	3,049.10	1/4	2,776.54	1/4	2,503.99	1/4	2,231.44	1/4	1,958.88	1/4	1,687.33	1/4	1,453.78	1/4	1,254.46
1/2	3,588.53	1/2	3,315.97	1/2	3,043.42	1/2	2,770.87	1/2	2,498.31	1/2	2,225.76	1/2	1,953.21	1/2	1,684.65	1/2	1,451.19	1/2	1,251.87
3/4	3,582.85	3/4	3,310.30	3/4	3,037.74	3/4	2,765.19	3/4	2,492.63	3/4	2,220.08	3/4	1,947.53	3/4	1,679.07	3/4	1,448.60	3/4	1,249.28

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH NFPA 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'-00" FORWARD OF AFT BULKHEAD

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



BARGE "IB 1989"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-03"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,396.74	0	1,124.19	0	851.67	0	579.51	0	306.96	0	34.68	0	0	0	0	0	0	0	0
1/4	1,391.06	1/4	1,118.51	1/4	846.00	1/4	573.83	1/4	301.29	1/4	29.95	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,385.39	1/2	1,112.83	1/2	840.33	1/2	568.15	1/2	295.61	1/2	25.23	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,379.71	3/4	1,107.15	3/4	834.67	3/4	562.47	3/4	289.93	3/4	20.50	3/4	0	3/4	0	3/4	0	3/4	0
1	1,374.03	1	1,101.48	1	829.00	1	556.80	1	284.25	1	15.77	1	0	1	0	1	0	1	0
1/4	1,368.35	1/4	1,095.80	1/4	823.33	1/4	551.12	1/4	278.57	1/4	12.93	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,362.67	1/2	1,090.12	1/2	817.66	1/2	545.44	1/2	272.90	1/2	10.09	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,356.99	3/4	1,084.44	3/4	811.99	3/4	539.76	3/4	267.22	3/4	7.25	3/4	0	3/4	0	3/4	0	3/4	0
2	1,351.32	2	1,078.76	2	806.33	2	534.08	2	261.54	2	4.41	2	0	2	0	2	0	2	0
1/4	1,345.64	1/4	1,073.08	1/4	800.66	1/4	528.41	1/4	255.86	1/4	3.47	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,339.96	1/2	1,067.41	1/2	794.99	1/2	522.73	1/2	250.18	1/2	2.52	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,334.28	3/4	1,061.73	3/4	789.33	3/4	517.05	3/4	244.51	3/4	1.57	3/4	0	3/4	0	3/4	0	3/4	0
3	1,328.60	3	1,056.05	3	783.66	3	511.37	3	238.83	3	0.63	3	0	3	0	3	0	3	0
1/4	1,322.93	1/4	1,050.37	1/4	777.99	1/4	505.69	1/4	233.15	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,317.25	1/2	1,044.69	1/2	772.32	1/2	500.02	1/2	227.47	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,311.57	3/4	1,039.02	3/4	766.66	3/4	494.34	3/4	221.79	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
4	1,305.89	4	1,033.34	4	760.99	4	488.66	4	216.12	4	0	4	0	4	0	4	0	4	0
1/4	1,300.21	1/4	1,027.66	1/4	755.32	1/4	482.98	1/4	210.44	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,294.53	1/2	1,021.98	1/2	749.65	1/2	477.30	1/2	204.76	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,288.86	3/4	1,016.30	3/4	743.99	3/4	471.63	3/4	199.08	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
5	1,283.18	5	1,010.62	5	738.32	5	465.95	5	193.40	5	0	5	0	5	0	5	0	5	0
1/4	1,277.50	1/4	1,004.95	1/4	732.65	1/4	460.27	1/4	187.73	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,271.82	1/2	999.27	1/2	726.99	1/2	454.59	1/2	182.05	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,266.14	3/4	993.59	3/4	721.32	3/4	448.91	3/4	176.37	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
6	1,260.47	6	987.91	6	715.65	6	443.24	6	170.69	6	0	6	0	6	0	6	0	6	0
1/4	1,254.79	1/4	982.23	1/4	709.98	1/4	437.56	1/4	165.01	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,249.11	1/2	976.56	1/2	704.32	1/2	431.88	1/2	159.34	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,243.43	3/4	970.88	3/4	698.65	3/4	426.20	3/4	153.66	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
7	1,237.75	7	965.20	7	692.98	7	420.52	7	147.98	7	0	7	0	7	0	7	0	7	0
1/4	1,232.07	1/4	959.52	1/4	687.31	1/4	414.85	1/4	142.31	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,226.40	1/2	953.84	1/2	681.65	1/2	409.17	1/2	136.63	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,220.72	3/4	948.16	3/4	675.98	3/4	403.49	3/4	130.95	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
8	1,215.04	8	942.49	8	670.31	8	397.81	8	125.27	8	0	8	0	8	0	8	0	8	0
1/4	1,209.36	1/4	936.81	1/4	664.65	1/4	392.13	1/4	119.59	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,203.68	1/2	931.13	1/2	658.98	1/2	386.46	1/2	113.92	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,198.01	3/4	925.45	3/4	653.31	3/4	380.78	3/4	108.24	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
9	1,192.33	9	919.77	9	647.64	9	375.10	9	102.56	9	0	9	0	9	0	9	0	9	0
1/4	1,186.65	1/4	914.10	1/4	641.97	1/4	369.42	1/4	96.88	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,180.97	1/2	908.42	1/2	636.29	1/2	363.74	1/2	91.21	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,175.29	3/4	902.74	3/4	630.61	3/4	358.07	3/4	85.53	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
10	1,169.61	10	897.06	10	624.93	10	352.39	10	79.85	10	0	10	0	10	0	10	0	10	0
1/4	1,163.94	1/4	891.38	1/4	619.25	1/4	346.71	1/4	74.19	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,158.26	1/2	885.70	1/2	613.58	1/2	341.03	1/2	68.53	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,152.58	3/4	880.03	3/4	607.90	3/4	335.35	3/4	62.86	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
11	1,146.90	11	874.35	11	602.22	11	329.68	11	57.20	11	0	11	0	11	0	11	0	11	0
1/4	1,141.22	1/4	868.68	1/4	596.54	1/4	324.00	1/4	51.57	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,135.55	1/2	863.01	1/2	590.86	1/2	318.32	1/2	45.94	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,129.87	3/4	857.34	3/4	585.19	3/4	312.64	3/4	40.31	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/06/2017 SW
CALCULATED: 12/07/2017 CL
PRINTED: 12/07/2017 CL

PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2017