



# BARGE "IB 1098"

## ULLAGE TRIM TABLE

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

(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 4'-00 1/4"

LENGTH BETWEEN DRAFT MARKS: 163'-00"

December 3, 2017

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

<http://www.pmacorp.net>



# BARGE "IB 1098"

# 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-02 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	3,753.85	0	3,499.75	0	3,245.66	0	2,991.57	0	2,713.35	0	2,416.29	0	2,119.23	0	2,119.23	0	1,822.17
1/4	1/4	1/4	3,748.55	1/4	3,494.46	1/4	3,240.37	1/4	2,986.28	1/4	2,707.16	1/4	2,410.10	1/4	2,113.05	1/4	2,113.05	1/4	1,815.98
1/2	1/2	1/2	3,743.26	1/2	3,489.17	1/2	3,235.07	1/2	2,980.98	1/2	2,700.97	1/2	2,403.91	1/2	2,106.86	1/2	2,106.86	1/2	1,809.79
3/4	3/4	3/4	3,971.65	3/4	3,737.97	3/4	3,483.87	3/4	3,229.78	3/4	2,975.69	3/4	2,694.78	3/4	2,397.72	3/4	2,100.67	3/4	1,803.60
1	1	1	3,969.52	1	3,732.67	1	3,478.58	1	3,224.49	1	2,970.39	1	2,688.59	1	2,391.53	1	2,094.48	1	1,797.41
1/4	1/4	1/4	3,967.39	1/4	3,727.38	1/4	3,473.29	1/4	3,219.19	1/4	2,965.10	1/4	2,682.41	1/4	2,385.35	1/4	2,088.29	1/4	1,791.22
1/2	1/2	1/2	3,965.26	1/2	3,722.09	1/2	3,467.99	1/2	3,213.90	1/2	2,959.81	1/2	2,676.22	1/2	2,379.16	1/2	2,082.10	1/2	1,785.03
3/4	3/4	3/4	3,963.13	3/4	3,716.79	3/4	3,462.70	3/4	3,208.61	3/4	2,954.51	3/4	2,670.03	3/4	2,372.97	3/4	2,075.91	3/4	1,778.84
2	2	2	3,959.43	2	3,711.50	2	3,457.41	2	3,203.31	2	2,949.22	2	2,663.84	2	2,366.78	2	2,069.72	2	1,772.66
1/4	1/4	1/4	3,955.73	1/4	3,706.21	1/4	3,452.11	1/4	3,198.02	1/4	2,943.93	1/4	2,657.65	1/4	2,360.59	1/4	2,063.53	1/4	1,766.47
1/2	1/2	1/2	3,952.03	1/2	3,700.91	1/2	3,446.82	1/2	3,192.73	1/2	2,938.63	1/2	2,651.46	1/2	2,354.41	1/2	2,057.35	1/2	1,760.28
3/4	3/4	3/4	3,948.33	3/4	3,695.62	3/4	3,441.53	3/4	3,187.43	3/4	2,933.34	3/4	2,645.27	3/4	2,348.22	3/4	2,051.16	3/4	1,754.09
3	3	3	3,943.35	3	3,690.32	3	3,436.23	3	3,182.14	3	2,928.05	3	2,639.08	3	2,342.03	3	2,044.97	3	1,747.90
1/4	1/4	1/4	3,938.38	1/4	3,685.03	1/4	3,430.94	1/4	3,176.85	1/4	2,922.75	1/4	2,632.89	1/4	2,335.84	1/4	2,038.78	1/4	1,741.71
1/2	1/2	1/2	3,933.40	1/2	3,679.74	1/2	3,425.64	1/2	3,171.55	1/2	2,917.46	1/2	2,626.71	1/2	2,329.65	1/2	2,032.59	1/2	1,735.52
3/4	3/4	3/4	3,928.43	3/4	3,674.44	3/4	3,420.35	3/4	3,166.26	3/4	2,912.17	3/4	2,620.52	3/4	2,323.46	3/4	2,026.40	3/4	1,729.33
4	4	4	3,923.16	4	3,669.15	4	3,415.06	4	3,160.96	4	2,906.88	4	2,614.33	4	2,317.28	4	2,020.21	4	1,723.14
1/4	1/4	1/4	3,917.89	1/4	3,663.86	1/4	3,409.76	1/4	3,155.67	1/4	2,901.59	1/4	2,608.14	1/4	2,311.09	1/4	2,014.02	1/4	1,716.96
1/2	1/2	1/2	3,912.62	1/2	3,658.56	1/2	3,404.47	1/2	3,150.38	1/2	2,896.30	1/2	2,601.95	1/2	2,304.90	1/2	2,007.83	1/2	1,710.77
3/4	3/4	3/4	3,907.35	3/4	3,653.27	3/4	3,399.18	3/4	3,145.08	3/4	2,891.01	3/4	2,595.76	3/4	2,298.71	3/4	2,001.65	3/4	1,704.58
5	5	5	3,902.06	5	3,647.98	5	3,393.88	5	3,139.79	5	2,885.28	5	2,589.57	5	2,292.52	5	1,995.46	5	1,698.40
1/4	1/4	1/4	3,896.77	1/4	3,642.68	1/4	3,388.59	1/4	3,134.50	1/4	2,879.54	1/4	2,583.38	1/4	2,286.33	1/4	1,989.27	1/4	1,692.21
1/2	1/2	1/2	3,891.48	1/2	3,637.39	1/2	3,383.30	1/2	3,129.20	1/2	2,873.81	1/2	2,577.19	1/2	2,280.15	1/2	1,983.08	1/2	1,686.03
3/4	3/4	3/4	3,886.19	3/4	3,632.09	3/4	3,378.00	3/4	3,123.91	3/4	2,868.07	3/4	2,571.01	3/4	2,273.96	3/4	1,976.89	3/4	1,679.85
6	6	6	3,880.90	6	3,626.80	6	3,372.71	6	3,118.62	6	2,861.88	6	2,564.82	6	2,267.77	6	1,970.70	6	1,673.68
1/4	1/4	1/4	3,875.60	1/4	3,621.51	1/4	3,367.41	1/4	3,113.32	1/4	2,855.69	1/4	2,558.63	1/4	2,261.58	1/4	1,964.51	1/4	1,667.50
1/2	1/2	1/2	3,870.31	1/2	3,616.21	1/2	3,362.12	1/2	3,108.03	1/2	2,849.51	1/2	2,552.44	1/2	2,255.39	1/2	1,958.32	1/2	1,661.33
3/4	3/4	3/4	3,865.01	3/4	3,610.92	3/4	3,356.83	3/4	3,102.73	3/4	2,843.32	3/4	2,546.25	3/4	2,249.20	3/4	1,952.13	3/4	1,655.15
7	7	7	3,859.72	7	3,605.63	7	3,351.53	7	3,097.44	7	2,837.13	7	2,540.06	7	2,243.01	7	1,945.95	7	1,648.98
1/4	1/4	1/4	3,854.43	1/4	3,600.33	1/4	3,346.24	1/4	3,092.15	1/4	2,830.94	1/4	2,533.87	1/4	2,236.82	1/4	1,939.76	1/4	1,642.80
1/2	1/2	1/2	3,849.13	1/2	3,595.04	1/2	3,340.95	1/2	3,086.85	1/2	2,824.75	1/2	2,527.68	1/2	2,230.63	1/2	1,933.57	1/2	1,636.63
3/4	3/4	3/4	3,843.84	3/4	3,589.75	3/4	3,335.65	3/4	3,081.56	3/4	2,818.56	3/4	2,521.49	3/4	2,224.45	3/4	1,927.38	3/4	1,630.45
8	8	8	3,838.55	8	3,584.45	8	3,330.36	8	3,076.27	8	2,812.37	8	2,515.31	8	2,218.26	8	1,921.19	8	1,624.28
1/4	1/4	1/4	3,833.25	1/4	3,579.16	1/4	3,325.07	1/4	3,070.97	1/4	2,806.18	1/4	2,509.12	1/4	2,212.07	1/4	1,915.00	1/4	1,618.10
1/2	1/2	1/2	3,827.96	1/2	3,573.87	1/2	3,319.77	1/2	3,065.68	1/2	2,799.99	1/2	2,502.93	1/2	2,205.88	1/2	1,908.81	1/2	1,611.93
3/4	3/4	3/4	3,822.66	3/4	3,568.57	3/4	3,314.48	3/4	3,060.39	3/4	2,793.81	3/4	2,496.74	3/4	2,199.69	3/4	1,902.62	3/4	1,605.76
9	9	9	3,817.37	9	3,563.28	9	3,309.19	9	3,055.09	9	2,787.62	9	2,490.55	9	2,193.50	9	1,896.43	9	1,599.58
1/4	1/4	1/4	3,812.08	1/4	3,557.98	1/4	3,303.89	1/4	3,049.80	1/4	2,781.43	1/4	2,484.36	1/4	2,187.31	1/4	1,890.24	1/4	1,593.41
1/2	1/2	1/2	3,806.78	1/2	3,552.69	1/2	3,298.60	1/2	3,044.51	1/2	2,775.24	1/2	2,478.17	1/2	2,181.12	1/2	1,884.06	1/2	1,587.23
3/4	3/4	3/4	3,801.49	3/4	3,547.40	3/4	3,293.30	3/4	3,039.21	3/4	2,769.05	3/4	2,471.98	3/4	2,174.93	3/4	1,877.87	3/4	1,581.06
10	10	10	3,796.20	10	3,542.10	10	3,288.01	10	3,033.92	10	2,762.86	10	2,465.79	10	2,168.75	10	1,871.68	10	1,574.88
1/4	1/4	1/4	3,790.90	1/4	3,536.81	1/4	3,282.72	1/4	3,028.62	1/4	2,756.67	1/4	2,459.61	1/4	2,162.56	1/4	1,865.49	1/4	1,568.71
1/2	1/2	1/2	3,785.61	1/2	3,531.52	1/2	3,277.42	1/2	3,023.33	1/2	2,750.48	1/2	2,453.42	1/2	2,156.37	1/2	1,859.30	1/2	1,562.53
3/4	3/4	3/4	3,780.32	3/4	3,526.22	3/4	3,272.13	3/4	3,018.04	3/4	2,744.29	3/4	2,447.23	3/4	2,150.18	3/4	1,853.11	3/4	1,556.36
11	11	11	3,775.02	11	3,520.93	11	3,266.84	11	3,012.74	11	2,738.11	11	2,441.04	11	2,143.99	11	1,846.92	11	1,550.18
1/4	1/4	1/4	3,769.73	1/4	3,515.64	1/4	3,261.54	1/4	3,007.45	1/4	2,731.92	1/4	2,434.85	1/4	2,137.80	1/4	1,840.73	1/4	1,544.01
1/2	1/2	1/2	3,764.43	1/2	3,510.34	1/2	3,256.25	1/2	3,002.16	1/2	2,725.73	1/2	2,428.66	1/2	2,131.61	1/2	1,834.54	1/2	1,537.83
3/4	3/4	3/4	3,759.14	3/4	3,505.05	3/4	3,250.96	3/4	2,996.86	3/4	2,719.54	3/4	2,422.48	3/4	2,125.42	3/4	1,828.36	3/4	1,531.66

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

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





# BARGE "IB 1098"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-02 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,525.49	0	1,228.71	0	932.23	0	640.78	0	343.70	0	47.74	0		0		0		0	
1/4	1,519.31	1/4	1,222.52	1/4	926.20	1/4	634.59	1/4	337.51	1/4	42.13	1/4		1/4		1/4		1/4	
1/2	1,513.14	1/2	1,216.34	1/2	920.16	1/2	628.40	1/2	331.32	1/2	36.51	1/2		1/2		1/2		1/2	
3/4	1,506.96	3/4	1,210.15	3/4	914.12	3/4	622.21	3/4	325.13	3/4	30.89	3/4		3/4		3/4		3/4	
1	1,500.79	1	1,203.97	1	908.08	1	616.02	1	318.94	1	26.76	1		1		1		1	
1/4	1,494.61	1/4	1,197.78	1/4	902.05	1/4	609.83	1/4	312.75	1/4	22.63	1/4		1/4		1/4		1/4	
1/2	1,488.44	1/2	1,191.59	1/2	896.01	1/2	603.64	1/2	306.56	1/2	18.51	1/2		1/2		1/2		1/2	
3/4	1,482.26	3/4	1,185.41	3/4	889.97	3/4	597.45	3/4	300.37	3/4	14.38	3/4		3/4		3/4		3/4	
2	1,476.09	2	1,179.22	2	883.93	2	591.26	2	294.18	2	12.31	2		2		2		2	
1/4	1,469.91	1/4	1,173.04	1/4	877.90	1/4	585.07	1/4	288.00	1/4	10.24	1/4		1/4		1/4		1/4	
1/2	1,463.74	1/2	1,166.85	1/2	871.86	1/2	578.89	1/2	281.81	1/2	8.17	1/2		1/2		1/2		1/2	
3/4	1,457.57	3/4	1,160.67	3/4	865.82	3/4	572.70	3/4	275.62	3/4	6.11	3/4		3/4		3/4		3/4	
3	1,451.38	3	1,154.48	3	859.79	3	566.51	3	269.43	3		3		3		3		3	
1/4	1,445.20	1/4	1,148.29	1/4	853.75	1/4	560.32	1/4	263.24	1/4		1/4		1/4		1/4		1/4	
1/2	1,439.02	1/2	1,142.11	1/2	847.71	1/2	554.13	1/2	257.05	1/2		1/2		1/2		1/2		1/2	
3/4	1,432.84	3/4	1,135.92	3/4	841.67	3/4	547.94	3/4	250.86	3/4		3/4		3/4		3/4		3/4	
4	1,426.65	4	1,129.74	4	835.64	4	541.75	4	244.67	4		4		4		4		4	
1/4	1,420.47	1/4	1,123.55	1/4	829.60	1/4	535.56	1/4	238.47	1/4		1/4		1/4		1/4		1/4	
1/2	1,414.28	1/2	1,117.36	1/2	823.56	1/2	529.37	1/2	232.28	1/2		1/2		1/2		1/2		1/2	
3/4	1,408.10	3/4	1,111.18	3/4	817.53	3/4	523.18	3/4	226.09	3/4		3/4		3/4		3/4		3/4	
5	1,401.91	5	1,104.99	5	811.49	5	516.99	5	219.89	5		5		5		5		5	
1/4	1,395.73	1/4	1,098.81	1/4	805.45	1/4	510.81	1/4	213.70	1/4		1/4		1/4		1/4		1/4	
1/2	1,389.54	1/2	1,092.62	1/2	799.41	1/2	504.62	1/2	207.50	1/2		1/2		1/2		1/2		1/2	
3/4	1,383.35	3/4	1,086.44	3/4	793.38	3/4	498.43	3/4	201.31	3/4		3/4		3/4		3/4		3/4	
6	1,377.17	6	1,080.25	6	787.34	6	492.24	6	195.11	6		6		6		6		6	
1/4	1,370.98	1/4	1,074.06	1/4	781.30	1/4	486.05	1/4	188.92	1/4		1/4		1/4		1/4		1/4	
1/2	1,364.80	1/2	1,067.88	1/2	775.27	1/2	479.86	1/2	182.73	1/2		1/2		1/2		1/2		1/2	
3/4	1,358.61	3/4	1,061.69	3/4	769.23	3/4	473.67	3/4	176.53	3/4		3/4		3/4		3/4		3/4	
7	1,352.43	7	1,055.51	7	763.19	7	467.48	7	170.34	7		7		7		7		7	
1/4	1,346.24	1/4	1,049.32	1/4	757.15	1/4	461.29	1/4	164.15	1/4		1/4		1/4		1/4		1/4	
1/2	1,340.05	1/2	1,043.14	1/2	751.12	1/2	455.10	1/2	157.96	1/2		1/2		1/2		1/2		1/2	
3/4	1,333.87	3/4	1,036.95	3/4	745.08	3/4	448.91	3/4	151.77	3/4		3/4		3/4		3/4		3/4	
8	1,327.68	8	1,030.76	8	739.04	8	442.73	8	145.59	8		8		8		8		8	
1/4	1,321.50	1/4	1,024.58	1/4	733.01	1/4	436.54	1/4	139.40	1/4		1/4		1/4		1/4		1/4	
1/2	1,315.31	1/2	1,018.39	1/2	726.97	1/2	430.35	1/2	133.22	1/2		1/2		1/2		1/2		1/2	
3/4	1,309.12	3/4	1,012.21	3/4	720.93	3/4	424.16	3/4	127.03	3/4		3/4		3/4		3/4		3/4	
9	1,302.94	9	1,006.02	9	714.82	9	417.97	9	120.86	9		9		9		9		9	
1/4	1,296.75	1/4	999.83	1/4	708.71	1/4	411.78	1/4	114.69	1/4		1/4		1/4		1/4		1/4	
1/2	1,290.57	1/2	993.65	1/2	702.59	1/2	405.59	1/2	108.51	1/2		1/2		1/2		1/2		1/2	
3/4	1,284.38	3/4	987.46	3/4	696.48	3/4	399.40	3/4	102.34	3/4		3/4		3/4		3/4		3/4	
10	1,278.20	10	981.28	10	690.29	10	393.21	10	96.20	10		10		10		10		10	
1/4	1,272.01	1/4	975.09	1/4	684.10	1/4	387.02	1/4	90.05	1/4		1/4		1/4		1/4		1/4	
1/2	1,265.82	1/2	968.91	1/2	677.91	1/2	380.83	1/2	83.91	1/2		1/2		1/2		1/2		1/2	
3/4	1,259.64	3/4	962.72	3/4	671.72	3/4	374.65	3/4	77.76	3/4		3/4		3/4		3/4		3/4	
11	1,253.45	11	956.61	11	665.53	11	368.46	11	71.66	11		11		11		11		11	
1/4	1,247.27	1/4	950.50	1/4	659.34	1/4	362.27	1/4	65.56	1/4		1/4		1/4		1/4		1/4	
1/2	1,241.08	1/2	944.38	1/2	653.15	1/2	356.08	1/2	59.46	1/2		1/2		1/2		1/2		1/2	
3/4	1,234.90	3/4	938.27	3/4	646.97	3/4	349.89	3/4	53.36	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/01/2017 SW  
CALCULATED: 12/02/2017 CL  
PRINTED: 12/03/2017 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2017

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



# BARGE "IB 1098"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-03 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	3,462.16	0	3,199.15	0	2,936.13	0	2,673.11	0	2,410.10	0	2,147.08	0	1,884.07	0	1,621.05		
1/4	1/4	1/4	3,456.68	1/4	3,193.67	1/4	2,930.65	1/4	2,670.63	1/4	2,404.62	1/4	2,141.60	1/4	1,878.59	1/4	1,615.57		
1/2	1/2	1/2	3,451.20	1/2	3,188.19	1/2	2,925.17	1/2	2,666.16	1/2	2,399.14	1/2	2,136.12	1/2	1,873.11	1/2	1,610.09		
3/4	3/4	3/4	3,445.72	3/4	3,182.71	3/4	2,919.69	3/4	2,656.68	3/4	2,393.66	3/4	2,130.64	3/4	1,867.63	3/4	1,604.61		
1	1	1	3,440.24	1	3,177.23	1	2,914.21	1	2,651.20	1	2,388.18	1	2,125.16	1	1,862.15	1	1,599.13		
1/4	1/4	1/4	3,678.14	1/4	3,434.76	1/4	3,171.75	1/4	2,908.73	1/4	2,645.72	1/4	2,382.70	1/4	2,119.68	1/4	1,856.67	1/4	1,593.65
1/2	1/2	1/2	3,675.85	1/2	3,429.29	1/2	3,166.27	1/2	2,903.25	1/2	2,640.24	1/2	2,377.22	1/2	2,114.21	1/2	1,851.19	1/2	1,588.17
3/4	3/4	3/4	3,673.57	3/4	3,423.81	3/4	3,160.79	3/4	2,897.77	3/4	2,634.76	3/4	2,371.74	3/4	2,108.73	3/4	1,845.71	3/4	1,582.69
2	2	2	3,671.29	2	3,418.33	2	3,155.31	2	2,892.29	2	2,629.28	2	2,366.26	2	2,103.25	2	1,840.23	2	1,577.21
1/4	1/4	1/4	3,669.00	1/4	3,412.85	1/4	3,149.83	1/4	2,886.81	1/4	2,623.80	1/4	2,360.78	1/4	2,097.77	1/4	1,834.75	1/4	1,571.73
1/2	1/2	1/2	3,664.93	1/2	3,407.37	1/2	3,144.35	1/2	2,881.34	1/2	2,618.32	1/2	2,355.30	1/2	2,092.29	1/2	1,829.27	1/2	1,566.26
3/4	3/4	3/4	3,660.86	3/4	3,401.89	3/4	3,138.87	3/4	2,875.86	3/4	2,612.84	3/4	2,349.82	3/4	2,086.81	3/4	1,823.79	3/4	1,560.78
3	3	3	3,656.79	3	3,396.41	3	3,133.39	3	2,870.38	3	2,607.36	3	2,344.34	3	2,081.33	3	1,818.31	3	1,555.30
1/4	1/4	1/4	3,652.72	1/4	3,390.93	1/4	3,127.91	1/4	2,864.90	1/4	2,601.88	1/4	2,338.86	1/4	2,075.85	1/4	1,812.83	1/4	1,549.82
1/2	1/2	1/2	3,647.52	1/2	3,385.45	1/2	3,122.43	1/2	2,859.42	1/2	2,596.40	1/2	2,333.39	1/2	2,070.37	1/2	1,807.35	1/2	1,544.34
3/4	3/4	3/4	3,642.32	3/4	3,379.97	3/4	3,116.95	3/4	2,853.94	3/4	2,590.92	3/4	2,327.91	3/4	2,064.89	3/4	1,801.87	3/4	1,538.86
4	4	4	3,637.13	4	3,374.49	4	3,111.47	4	2,848.46	4	2,585.44	4	2,322.43	4	2,059.41	4	1,796.39	4	1,533.38
1/4	1/4	1/4	3,631.93	1/4	3,369.01	1/4	3,105.99	1/4	2,842.98	1/4	2,579.96	1/4	2,316.95	1/4	2,053.93	1/4	1,790.91	1/4	1,527.90
1/2	1/2	1/2	3,626.47	1/2	3,363.53	1/2	3,100.52	1/2	2,837.50	1/2	2,574.48	1/2	2,311.47	1/2	2,048.45	1/2	1,785.44	1/2	1,522.42
3/4	3/4	3/4	3,621.01	3/4	3,358.05	3/4	3,095.04	3/4	2,832.02	3/4	2,569.00	3/4	2,305.99	3/4	2,042.97	3/4	1,779.96	3/4	1,516.94
5	5	5	3,615.55	5	3,352.57	5	3,089.56	5	2,826.54	5	2,563.52	5	2,300.51	5	2,037.49	5	1,774.48	5	1,511.46
1/4	1/4	1/4	3,610.09	1/4	3,347.09	1/4	3,084.08	1/4	2,821.06	1/4	2,558.04	1/4	2,295.03	1/4	2,032.01	1/4	1,769.00	1/4	1,505.98
1/2	1/2	1/2	3,604.62	1/2	3,341.61	1/2	3,078.60	1/2	2,815.58	1/2	2,552.57	1/2	2,289.55	1/2	2,026.53	1/2	1,763.52	1/2	1,500.50
3/4	3/4	3/4	3,599.14	3/4	3,336.13	3/4	3,073.12	3/4	2,810.10	3/4	2,547.09	3/4	2,284.07	3/4	2,021.05	3/4	1,758.04	3/4	1,495.02
6	6	6	3,593.67	6	3,330.65	6	3,067.64	6	2,804.62	6	2,541.61	6	2,278.59	6	2,015.57	6	1,752.56	6	1,489.54
1/4	1/4	1/4	3,588.19	1/4	3,325.17	1/4	3,062.16	1/4	2,799.14	1/4	2,536.13	1/4	2,273.11	1/4	2,010.09	1/4	1,747.08	1/4	1,484.06
1/2	1/2	1/2	3,582.71	1/2	3,319.70	1/2	3,056.68	1/2	2,793.66	1/2	2,530.65	1/2	2,267.63	1/2	2,004.62	1/2	1,741.60	1/2	1,478.58
3/4	3/4	3/4	3,577.23	3/4	3,314.22	3/4	3,051.20	3/4	2,788.18	3/4	2,525.17	3/4	2,262.15	3/4	1,999.14	3/4	1,736.12	3/4	1,473.10
7	7	7	3,571.75	7	3,308.74	7	3,045.72	7	2,782.70	7	2,519.69	7	2,256.67	7	1,993.66	7	1,730.64	7	1,467.62
1/4	1/4	1/4	3,566.27	1/4	3,303.26	1/4	3,040.24	1/4	2,777.22	1/4	2,514.21	1/4	2,251.19	1/4	1,988.18	1/4	1,725.16	1/4	1,462.14
1/2	1/2	1/2	3,560.79	1/2	3,297.78	1/2	3,034.76	1/2	2,771.75	1/2	2,508.73	1/2	2,245.71	1/2	1,982.70	1/2	1,719.68	1/2	1,456.67
3/4	3/4	3/4	3,555.31	3/4	3,292.30	3/4	3,029.28	3/4	2,766.27	3/4	2,503.25	3/4	2,240.23	3/4	1,977.22	3/4	1,714.20	3/4	1,451.19
8	8	8	3,549.83	8	3,286.82	8	3,023.80	8	2,760.79	8	2,497.77	8	2,234.75	8	1,971.74	8	1,708.72	8	1,445.71
1/4	1/4	1/4	3,544.35	1/4	3,281.34	1/4	3,018.32	1/4	2,755.31	1/4	2,492.29	1/4	2,229.27	1/4	1,966.26	1/4	1,703.24	1/4	1,440.23
1/2	1/2	1/2	3,538.88	1/2	3,275.86	1/2	3,012.84	1/2	2,749.83	1/2	2,486.81	1/2	2,223.80	1/2	1,960.78	1/2	1,697.76	1/2	1,434.75
3/4	3/4	3/4	3,533.40	3/4	3,270.38	3/4	3,007.36	3/4	2,744.35	3/4	2,481.33	3/4	2,218.32	3/4	1,955.30	3/4	1,692.28	3/4	1,429.27
9	9	9	3,527.92	9	3,264.90	9	3,001.88	9	2,738.87	9	2,475.85	9	2,212.84	9	1,949.82	9	1,686.80	9	1,423.79
1/4	1/4	1/4	3,522.44	1/4	3,259.42	1/4	2,996.40	1/4	2,733.39	1/4	2,470.37	1/4	2,207.36	1/4	1,944.34	1/4	1,681.32	1/4	1,418.31
1/2	1/2	1/2	3,516.96	1/2	3,253.94	1/2	2,990.93	1/2	2,727.91	1/2	2,464.89	1/2	2,201.88	1/2	1,938.86	1/2	1,675.85	1/2	1,412.83
3/4	3/4	3/4	3,511.48	3/4	3,248.46	3/4	2,985.45	3/4	2,722.43	3/4	2,459.41	3/4	2,196.40	3/4	1,933.38	3/4	1,670.37	3/4	1,407.35
10	10	10	3,506.00	10	3,242.98	10	2,979.97	10	2,716.95	10	2,453.93	10	2,190.92	10	1,927.90	10	1,664.89	10	1,401.87
1/4	1/4	1/4	3,500.52	1/4	3,237.50	1/4	2,974.49	1/4	2,711.47	1/4	2,448.45	1/4	2,185.44	1/4	1,922.42	1/4	1,659.41	1/4	1,396.39
1/2	1/2	1/2	3,495.04	1/2	3,232.02	1/2	2,969.01	1/2	2,705.99	1/2	2,442.98	1/2	2,179.96	1/2	1,916.94	1/2	1,653.93	1/2	1,390.91
3/4	3/4	3/4	3,489.56	3/4	3,226.54	3/4	2,963.53	3/4	2,700.51	3/4	2,437.50	3/4	2,174.48	3/4	1,911.46	3/4	1,648.45	3/4	1,385.43
11	11	11	3,484.08	11	3,221.06	11	2,958.05	11	2,695.03	11	2,432.02	11	2,169.01	11	1,905.98	11	1,642.97	11	1,379.95
1/4	1/4	1/4	3,478.60	1/4	3,215.58	1/4	2,952.57	1/4	2,689.55	1/4	2,426.54	1/4	2,163.52	1/4	1,900.50	1/4	1,637.49	1/4	1,374.47
1/2	1/2	1/2	3,473.12	1/2	3,210.11	1/2	2,947.09	1/2	2,684.07	1/2	2,421.06	1/2	2,158.04	1/2	1,895.03	1/2	1,632.01	1/2	1,368.99
3/4	3/4	3/4	3,467.64	3/4	3,204.63	3/4	2,941.61	3/4	2,678.59	3/4	2,415.58	3/4	2,152.56	3/4	1,889.55	3/4	1,626.53	3/4	1,363.51

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 TO TOP OF 2" DIAMETER "HERMETIC" VALVE  
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-06" FORWARD OF AFT BULKHEAD

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



# BARGE "IB 1098"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-03 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,358.03	0	1,095.02	0	832.23	0	574.98	0	311.97	0	49.59	0		0		0		0	
1/4	1,352.55	1/4	1,089.54	1/4	826.82	1/4	569.50	1/4	306.49	1/4	44.20	1/4		1/4		1/4		1/4	
1/2	1,347.08	1/2	1,084.06	1/2	821.49	1/2	564.02	1/2	301.01	1/2	39.24	1/2		1/2		1/2		1/2	
3/4	1,341.60	3/4	1,078.58	3/4	816.16	3/4	558.54	3/4	295.53	3/4	34.28	3/4		3/4		3/4		3/4	
1	1,336.12	1	1,073.10	1	810.83	1	553.06	1	290.05	1	29.31	1		1		1		1	
1/4	1,330.64	1/4	1,067.62	1/4	805.50	1/4	547.58	1/4	284.58	1/4	24.35	1/4		1/4		1/4		1/4	
1/2	1,325.16	1/2	1,062.14	1/2	800.17	1/2	542.10	1/2	279.10	1/2	20.70	1/2		1/2		1/2		1/2	
3/4	1,319.68	3/4	1,056.66	3/4	794.84	3/4	536.62	3/4	273.62	3/4	17.05	3/4		3/4		3/4		3/4	
2	1,314.20	2	1,051.18	2	789.51	2	531.14	2	268.14	2	13.41	2		2		2		2	
1/4	1,308.72	1/4	1,045.70	1/4	784.18	1/4	525.66	1/4	262.66	1/4	9.76	1/4		1/4		1/4		1/4	
1/2	1,303.24	1/2	1,040.22	1/2	778.85	1/2	520.18	1/2	257.18	1/2	7.93	1/2		1/2		1/2		1/2	
3/4	1,297.76	3/4	1,034.74	3/4	773.52	3/4	514.71	3/4	251.70	3/4	6.10	3/4		3/4		3/4		3/4	
3	1,292.28	3	1,029.26	3	768.19	3	509.23	3	246.22	3	4.28	3		3		3		3	
1/4	1,286.80	1/4	1,023.78	1/4	762.86	1/4	503.75	1/4	240.74	1/4	2.45	1/4		1/4		1/4		1/4	
1/2	1,281.32	1/2	1,018.31	1/2	757.53	1/2	498.27	1/2	235.26	1/2		1/2		1/2		1/2		1/2	
3/4	1,275.84	3/4	1,012.83	3/4	752.20	3/4	492.79	3/4	229.78	3/4		3/4		3/4		3/4		3/4	
4	1,270.36	4	1,007.35	4	746.87	4	487.31	4	224.30	4		4		4		4		4	
1/4	1,264.88	1/4	1,001.87	1/4	741.54	1/4	481.83	1/4	218.82	1/4		1/4		1/4		1/4		1/4	
1/2	1,259.40	1/2	996.39	1/2	736.21	1/2	476.35	1/2	213.34	1/2		1/2		1/2		1/2		1/2	
3/4	1,253.92	3/4	990.91	3/4	730.88	3/4	470.87	3/4	207.86	3/4		3/4		3/4		3/4		3/4	
5	1,248.44	5	985.43	5	725.55	5	465.39	5	202.39	5		5		5		5		5	
1/4	1,242.96	1/4	979.95	1/4	720.22	1/4	459.91	1/4	196.91	1/4		1/4		1/4		1/4		1/4	
1/2	1,237.49	1/2	974.47	1/2	714.89	1/2	454.43	1/2	191.43	1/2		1/2		1/2		1/2		1/2	
3/4	1,232.01	3/4	968.99	3/4	709.56	3/4	448.95	3/4	185.95	3/4		3/4		3/4		3/4		3/4	
6	1,226.53	6	963.51	6	704.23	6	443.47	6	180.47	6		6		6		6		6	
1/4	1,221.05	1/4	958.03	1/4	698.90	1/4	438.00	1/4	174.99	1/4		1/4		1/4		1/4		1/4	
1/2	1,215.57	1/2	952.55	1/2	693.57	1/2	432.52	1/2	169.51	1/2		1/2		1/2		1/2		1/2	
3/4	1,210.09	3/4	947.07	3/4	688.24	3/4	427.04	3/4	164.03	3/4		3/4		3/4		3/4		3/4	
7	1,204.61	7	941.59	7	682.92	7	421.56	7	158.55	7		7		7		7		7	
1/4	1,199.13	1/4	936.11	1/4	677.59	1/4	416.08	1/4	153.08	1/4		1/4		1/4		1/4		1/4	
1/2	1,193.65	1/2	930.63	1/2	672.26	1/2	410.60	1/2	147.60	1/2		1/2		1/2		1/2		1/2	
3/4	1,188.17	3/4	925.15	3/4	666.93	3/4	405.12	3/4	142.12	3/4		3/4		3/4		3/4		3/4	
8	1,182.69	8	919.67	8	661.60	8	399.64	8	136.65	8		8		8		8		8	
1/4	1,177.21	1/4	914.19	1/4	656.27	1/4	394.16	1/4	131.17	1/4		1/4		1/4		1/4		1/4	
1/2	1,171.73	1/2	908.72	1/2	650.94	1/2	388.68	1/2	125.70	1/2		1/2		1/2		1/2		1/2	
3/4	1,166.25	3/4	903.24	3/4	645.61	3/4	383.20	3/4	120.24	3/4		3/4		3/4		3/4		3/4	
9	1,160.77	9	897.76	9	640.28	9	377.72	9	114.77	9		9		9		9		9	
1/4	1,155.29	1/4	892.28	1/4	634.95	1/4	372.24	1/4	109.30	1/4		1/4		1/4		1/4		1/4	
1/2	1,149.81	1/2	886.80	1/2	629.55	1/2	366.76	1/2	103.85	1/2		1/2		1/2		1/2		1/2	
3/4	1,144.33	3/4	881.32	3/4	624.14	3/4	361.29	3/4	98.39	3/4		3/4		3/4		3/4		3/4	
10	1,138.85	10	875.84	10	618.74	10	355.81	10	92.94	10		10		10		10		10	
1/4	1,133.37	1/4	870.36	1/4	613.33	1/4	350.33	1/4	87.49	1/4		1/4		1/4		1/4		1/4	
1/2	1,127.90	1/2	864.88	1/2	607.85	1/2	344.85	1/2	82.06	1/2		1/2		1/2		1/2		1/2	
3/4	1,122.42	3/4	859.40	3/4	602.37	3/4	339.37	3/4	76.63	3/4		3/4		3/4		3/4		3/4	
11	1,116.94	11	853.92	11	596.90	11	333.89	11	71.19	11		11		11		11		11	
1/4	1,111.46	1/4	848.44	1/4	591.42	1/4	328.41	1/4	65.76	1/4		1/4		1/4		1/4		1/4	
1/2	1,105.98	1/2	843.04	1/2	585.94	1/2	322.93	1/2	60.37	1/2		1/2		1/2		1/2		1/2	
3/4	1,100.50	3/4	837.63	3/4	580.46	3/4	317.45	3/4	54.98	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/01/2017 SW  
CALCULATED: 12/02/2017 CL  
PRINTED: 12/03/2017 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2017

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



# BARGE "IB 1098"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-03 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	3,447.23	0	3,186.18	0	2,925.13	0	2,664.08	0	2,403.04	0	2,141.99	0	1,880.94	0	1,619.89		
1/4	1/4	1/4	3,441.79	1/4	3,180.74	1/4	2,919.69	1/4	2,658.65	1/4	2,397.60	1/4	2,136.55	1/4	1,875.50	1/4	1,614.45		
1/2	1/2	1/2	3,436.35	1/2	3,175.30	1/2	2,914.26	1/2	2,653.21	1/2	2,392.16	1/2	2,131.11	1/2	1,870.06	1/2	1,609.02		
3/4	3/4	3/4	3,430.91	3/4	3,169.87	3/4	2,908.82	3/4	2,647.77	3/4	2,386.72	3/4	2,125.67	3/4	1,864.63	3/4	1,603.58		
1	1	1	3,425.47	1	3,164.43	1	2,903.38	1	2,642.33	1	2,381.28	1	2,120.23	1	1,859.19	1	1,598.14		
1/4	1/4	1/4	3,420.04	1/4	3,158.99	1/4	2,897.94	1/4	2,636.89	1/4	2,375.84	1/4	2,114.80	1/4	1,853.75	1/4	1,592.70		
1/2	1/2	1/2	3,656.16	1/2	3,414.60	1/2	3,153.55	1/2	2,892.50	1/2	2,631.45	1/2	2,370.41	1/2	2,109.36	1/2	1,848.31	1/2	1,587.26
3/4	3/4	3/4	3,653.90	3/4	3,409.16	3/4	3,148.11	3/4	2,887.06	3/4	2,626.02	3/4	2,364.97	3/4	2,103.92	3/4	1,842.87	3/4	1,581.82
2	2	2	3,651.63	2	3,403.72	2	3,142.67	2	2,881.62	2	2,620.58	2	2,359.53	2	2,098.48	2	1,837.43	2	1,576.38
1/4	1/4	1/4	3,649.37	1/4	3,398.28	1/4	3,137.23	1/4	2,876.19	1/4	2,615.14	1/4	2,354.09	1/4	2,093.04	1/4	1,831.99	1/4	1,570.95
1/2	1/2	1/2	3,647.10	1/2	3,392.84	1/2	3,131.80	1/2	2,870.75	1/2	2,609.70	1/2	2,348.65	1/2	2,087.60	1/2	1,826.56	1/2	1,565.51
3/4	3/4	3/4	3,643.06	3/4	3,387.41	3/4	3,126.36	3/4	2,865.31	3/4	2,604.26	3/4	2,343.21	3/4	2,082.17	3/4	1,821.12	3/4	1,560.07
3	3	3	3,639.02	3	3,381.97	3	3,120.92	3	2,859.87	3	2,598.82	3	2,337.77	3	2,076.73	3	1,815.68	3	1,554.63
1/4	1/4	1/4	3,634.97	1/4	3,376.53	1/4	3,115.48	1/4	2,854.43	1/4	2,593.38	1/4	2,332.34	1/4	2,071.29	1/4	1,810.24	1/4	1,549.19
1/2	1/2	1/2	3,630.93	1/2	3,371.09	1/2	3,110.04	1/2	2,848.99	1/2	2,587.95	1/2	2,326.90	1/2	2,065.85	1/2	1,804.80	1/2	1,543.75
3/4	3/4	3/4	3,625.78	3/4	3,365.65	3/4	3,104.60	3/4	2,843.56	3/4	2,582.51	3/4	2,321.46	3/4	2,060.41	3/4	1,799.36	3/4	1,538.32
4	4	4	3,620.62	4	3,360.21	4	3,099.16	4	2,838.12	4	2,577.07	4	2,316.02	4	2,054.97	4	1,793.92	4	1,532.88
1/4	1/4	1/4	3,615.46	1/4	3,354.77	1/4	3,093.73	1/4	2,832.68	1/4	2,571.63	1/4	2,310.58	1/4	2,049.53	1/4	1,788.49	1/4	1,527.44
1/2	1/2	1/2	3,610.30	1/2	3,349.34	1/2	3,088.29	1/2	2,827.24	1/2	2,566.19	1/2	2,305.14	1/2	2,044.10	1/2	1,783.05	1/2	1,522.00
3/4	3/4	3/4	3,604.88	3/4	3,343.90	3/4	3,082.85	3/4	2,821.80	3/4	2,560.75	3/4	2,299.71	3/4	2,038.66	3/4	1,777.61	3/4	1,516.56
5	5	5	3,599.46	5	3,338.46	5	3,077.41	5	2,816.36	5	2,555.31	5	2,294.27	5	2,033.22	5	1,772.17	5	1,511.12
1/4	1/4	1/4	3,594.05	1/4	3,333.02	1/4	3,071.97	1/4	2,810.92	1/4	2,549.88	1/4	2,288.83	1/4	2,027.78	1/4	1,766.73	1/4	1,505.68
1/2	1/2	1/2	3,588.63	1/2	3,327.58	1/2	3,066.53	1/2	2,805.49	1/2	2,544.44	1/2	2,283.39	1/2	2,022.34	1/2	1,761.29	1/2	1,500.25
3/4	3/4	3/4	3,583.19	3/4	3,322.14	3/4	3,061.10	3/4	2,800.05	3/4	2,539.00	3/4	2,277.95	3/4	2,016.90	3/4	1,755.86	3/4	1,494.81
6	6	6	3,577.76	6	3,316.70	6	3,055.66	6	2,794.61	6	2,533.56	6	2,272.51	6	2,011.46	6	1,750.42	6	1,489.37
1/4	1/4	1/4	3,572.33	1/4	3,311.27	1/4	3,050.22	1/4	2,789.17	1/4	2,528.12	1/4	2,267.07	1/4	2,006.03	1/4	1,744.98	1/4	1,483.93
1/2	1/2	1/2	3,566.89	1/2	3,305.83	1/2	3,044.78	1/2	2,783.73	1/2	2,522.68	1/2	2,261.64	1/2	2,000.59	1/2	1,739.54	1/2	1,478.49
3/4	3/4	3/4	3,561.45	3/4	3,300.39	3/4	3,039.34	3/4	2,778.29	3/4	2,517.25	3/4	2,256.20	3/4	1,995.15	3/4	1,734.10	3/4	1,473.05
7	7	7	3,556.01	7	3,294.95	7	3,033.90	7	2,772.85	7	2,511.81	7	2,250.76	7	1,989.71	7	1,728.66	7	1,467.61
1/4	1/4	1/4	3,550.56	1/4	3,289.51	1/4	3,028.46	1/4	2,767.42	1/4	2,506.37	1/4	2,245.32	1/4	1,984.27	1/4	1,723.22	1/4	1,462.18
1/2	1/2	1/2	3,545.12	1/2	3,284.07	1/2	3,023.03	1/2	2,761.98	1/2	2,500.93	1/2	2,239.88	1/2	1,978.83	1/2	1,717.79	1/2	1,456.74
3/4	3/4	3/4	3,539.68	3/4	3,278.64	3/4	3,017.59	3/4	2,756.54	3/4	2,495.49	3/4	2,234.44	3/4	1,973.40	3/4	1,712.35	3/4	1,451.30
8	8	8	3,534.24	8	3,273.20	8	3,012.15	8	2,751.10	8	2,490.05	8	2,229.00	8	1,967.96	8	1,706.91	8	1,445.86
1/4	1/4	1/4	3,528.81	1/4	3,267.76	1/4	3,006.71	1/4	2,745.66	1/4	2,484.61	1/4	2,223.57	1/4	1,962.52	1/4	1,701.47	1/4	1,440.42
1/2	1/2	1/2	3,523.37	1/2	3,262.32	1/2	3,001.27	1/2	2,740.22	1/2	2,479.18	1/2	2,218.13	1/2	1,957.08	1/2	1,696.03	1/2	1,434.98
3/4	3/4	3/4	3,517.93	3/4	3,256.88	3/4	2,995.83	3/4	2,734.79	3/4	2,473.74	3/4	2,212.69	3/4	1,951.64	3/4	1,690.59	3/4	1,429.55
9	9	9	3,512.49	9	3,251.44	9	2,990.39	9	2,729.35	9	2,468.30	9	2,207.25	9	1,946.20	9	1,685.15	9	1,424.11
1/4	1/4	1/4	3,507.05	1/4	3,246.00	1/4	2,984.96	1/4	2,723.91	1/4	2,462.86	1/4	2,201.81	1/4	1,940.76	1/4	1,679.72	1/4	1,418.67
1/2	1/2	1/2	3,501.61	1/2	3,240.57	1/2	2,979.52	1/2	2,718.47	1/2	2,457.42	1/2	2,196.37	1/2	1,935.33	1/2	1,674.28	1/2	1,413.23
3/4	3/4	3/4	3,496.18	3/4	3,235.13	3/4	2,974.08	3/4	2,713.03	3/4	2,451.98	3/4	2,190.94	3/4	1,929.89	3/4	1,668.84	3/4	1,407.79
10	10	10	3,490.74	10	3,229.69	10	2,968.64	10	2,707.59	10	2,446.54	10	2,185.50	10	1,924.45	10	1,663.40	10	1,402.35
1/4	1/4	1/4	3,485.30	1/4	3,224.25	1/4	2,963.20	1/4	2,702.15	1/4	2,441.11	1/4	2,180.06	1/4	1,919.01	1/4	1,657.96	1/4	1,396.91
1/2	1/2	1/2	3,479.86	1/2	3,218.81	1/2	2,957.76	1/2	2,696.72	1/2	2,435.67	1/2	2,174.62	1/2	1,913.57	1/2	1,652.52	1/2	1,391.48
3/4	3/4	3/4	3,474.42	3/4	3,213.37	3/4	2,952.33	3/4	2,691.28	3/4	2,430.23	3/4	2,169.18	3/4	1,908.13	3/4	1,647.09	3/4	1,386.04
11	11	11	3,468.98	11	3,207.93	11	2,946.89	11	2,685.84	11	2,424.79	11	2,163.74	11	1,902.69	11	1,641.65	11	1,380.60
1/4	1/4	1/4	3,463.54	1/4	3,202.50	1/4	2,941.45	1/4	2,680.40	1/4	2,419.35	1/4	2,158.30	1/4	1,897.26	1/4	1,636.21	1/4	1,375.16
1/2	1/2	1/2	3,458.11	1/2	3,197.06	1/2	2,936.01	1/2	2,674.96	1/2	2,413.91	1/2	2,152.87	1/2	1,891.82	1/2	1,630.77	1/2	1,369.72
3/4	3/4	3/4	3,452.67	3/4	3,191.62	3/4	2,930.57	3/4	2,669.52	3/4	2,408.48	3/4	2,147.43	3/4	1,886.38	3/4	1,625.33	3/4	1,364.28

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 TO TOP OF 2" DIAMETER "HERMETIC" VALVE  
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "IB 1098"

## 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	1,358.84	0	1,097.80	0	836.76	0	576.12	0	315.08	0	54.58	0		0		0		0	
1/4	1,353.41	1/4	1,092.36	1/4	831.32	1/4	570.68	1/4	309.64	1/4	49.23	1/4		1/4		1/4		1/4	
1/2	1,347.97	1/2	1,086.92	1/2	825.89	1/2	565.24	1/2	304.21	1/2	43.88	1/2		1/2		1/2		1/2	
3/4	1,342.53	3/4	1,081.48	3/4	820.46	3/4	559.81	3/4	298.77	3/4	38.95	3/4		3/4		3/4		3/4	
1	1,337.09	1	1,076.04	1	815.03	1	554.37	1	293.33	1	34.03	1		1		1		1	
1/4	1,331.65	1/4	1,070.60	1/4	809.60	1/4	548.93	1/4	287.89	1/4	29.10	1/4		1/4		1/4		1/4	
1/2	1,326.21	1/2	1,065.17	1/2	804.17	1/2	543.49	1/2	282.45	1/2	24.18	1/2		1/2		1/2		1/2	
3/4	1,320.78	3/4	1,059.73	3/4	798.74	3/4	538.05	3/4	277.01	3/4	20.55	3/4		3/4		3/4		3/4	
2	1,315.34	2	1,054.29	2	793.32	2	532.61	2	271.58	2	16.93	2		2		2		2	
1/4	1,309.90	1/4	1,048.85	1/4	787.89	1/4	527.18	1/4	266.14	1/4	13.31	1/4		1/4		1/4		1/4	
1/2	1,304.46	1/2	1,043.41	1/2	782.46	1/2	521.74	1/2	260.70	1/2	9.69	1/2		1/2		1/2		1/2	
3/4	1,299.02	3/4	1,037.97	3/4	777.03	3/4	516.30	3/4	255.26	3/4	7.88	3/4		3/4		3/4		3/4	
3	1,293.58	3	1,032.53	3	771.60	3	510.86	3	249.82	3	6.06	3		3		3		3	
1/4	1,288.14	1/4	1,027.10	1/4	766.18	1/4	505.42	1/4	244.38	1/4	4.25	1/4		1/4		1/4		1/4	
1/2	1,282.71	1/2	1,021.66	1/2	760.75	1/2	499.98	1/2	238.95	1/2	2.44	1/2		1/2		1/2		1/2	
3/4	1,277.27	3/4	1,016.22	3/4	755.32	3/4	494.55	3/4	233.51	3/4		3/4		3/4		3/4		3/4	
4	1,271.83	4	1,010.78	4	749.89	4	489.11	4	228.07	4		4		4		4		4	
1/4	1,266.39	1/4	1,005.34	1/4	744.47	1/4	483.67	1/4	222.63	1/4		1/4		1/4		1/4		1/4	
1/2	1,260.95	1/2	999.90	1/2	739.04	1/2	478.23	1/2	217.19	1/2		1/2		1/2		1/2		1/2	
3/4	1,255.51	3/4	994.47	3/4	733.61	3/4	472.79	3/4	211.75	3/4		3/4		3/4		3/4		3/4	
5	1,250.07	5	989.03	5	728.18	5	467.35	5	206.32	5		5		5		5		5	
1/4	1,244.64	1/4	983.59	1/4	722.75	1/4	461.92	1/4	200.88	1/4		1/4		1/4		1/4		1/4	
1/2	1,239.20	1/2	978.15	1/2	717.33	1/2	456.48	1/2	195.44	1/2		1/2		1/2		1/2		1/2	
3/4	1,233.76	3/4	972.71	3/4	711.90	3/4	451.04	3/4	190.00	3/4		3/4		3/4		3/4		3/4	
6	1,228.32	6	967.27	6	706.47	6	445.60	6	184.56	6		6		6		6		6	
1/4	1,222.88	1/4	961.83	1/4	701.04	1/4	440.16	1/4	179.12	1/4		1/4		1/4		1/4		1/4	
1/2	1,217.44	1/2	956.40	1/2	695.62	1/2	434.72	1/2	173.69	1/2		1/2		1/2		1/2		1/2	
3/4	1,212.01	3/4	950.96	3/4	690.19	3/4	429.29	3/4	168.25	3/4		3/4		3/4		3/4		3/4	
7	1,206.57	7	945.52	7	684.76	7	423.85	7	162.81	7		7		7		7		7	
1/4	1,201.13	1/4	940.08	1/4	679.33	1/4	418.41	1/4	157.37	1/4		1/4		1/4		1/4		1/4	
1/2	1,195.69	1/2	934.64	1/2	673.91	1/2	412.97	1/2	151.94	1/2		1/2		1/2		1/2		1/2	
3/4	1,190.25	3/4	929.20	3/4	668.48	3/4	407.53	3/4	146.50	3/4		3/4		3/4		3/4		3/4	
8	1,184.81	8	923.76	8	663.05	8	402.09	8	141.07	8		8		8		8		8	
1/4	1,179.37	1/4	918.33	1/4	657.62	1/4	396.66	1/4	135.63	1/4		1/4		1/4		1/4		1/4	
1/2	1,173.94	1/2	912.89	1/2	652.19	1/2	391.22	1/2	130.20	1/2		1/2		1/2		1/2		1/2	
3/4	1,168.50	3/4	907.45	3/4	646.77	3/4	385.78	3/4	124.77	3/4		3/4		3/4		3/4		3/4	
9	1,163.06	9	902.01	9	641.34	9	380.34	9	119.34	9		9		9		9		9	
1/4	1,157.62	1/4	896.57	1/4	635.91	1/4	374.90	1/4	113.92	1/4		1/4		1/4		1/4		1/4	
1/2	1,152.18	1/2	891.13	1/2	630.48	1/2	369.46	1/2	108.49	1/2		1/2		1/2		1/2		1/2	
3/4	1,146.74	3/4	885.70	3/4	625.05	3/4	364.03	3/4	103.08	3/4		3/4		3/4		3/4		3/4	
10	1,141.30	10	880.26	10	619.62	10	358.59	10	97.66	10		10		10		10		10	
1/4	1,135.87	1/4	874.82	1/4	614.18	1/4	353.15	1/4	92.25	1/4		1/4		1/4		1/4		1/4	
1/2	1,130.43	1/2	869.38	1/2	608.75	1/2	347.71	1/2	86.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,124.99	3/4	863.94	3/4	603.31	3/4	342.27	3/4	81.45	3/4		3/4		3/4		3/4		3/4	
11	1,119.55	11	858.50	11	597.87	11	336.84	11	76.06	11		11		11		11		11	
1/4	1,114.11	1/4	853.06	1/4	592.44	1/4	331.40	1/4	70.67	1/4		1/4		1/4		1/4		1/4	
1/2	1,108.67	1/2	847.63	1/2	587.00	1/2	325.96	1/2	65.28	1/2		1/2		1/2		1/2		1/2	
3/4	1,103.24	3/4	842.19	3/4	581.56	3/4	320.52	3/4	59.93	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/01/2017 SW  
CALCULATED: 12/02/2017 CL  
PRINTED: 12/03/2017 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2017

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