



BARGE "IB 1099"

INNAGE 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 INNAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED INNAGE IS 3'-11 3/4"

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 1099"

1 CENTER INNAGE 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	6.11	0	275.66	0	572.80	0	865.97	0	1,160.87	0	1,457.82	0	1,754.39	0	2,051.51	0	2,348.62	0	2,645.73
1/4	8.18	1/4	281.86	1/4	578.99	1/4	872.01	1/4	1,167.06	1/4	1,463.99	1/4	1,760.58	1/4	2,057.70	1/4	2,354.81	1/4	2,651.92
1/2	10.24	1/2	288.05	1/2	585.18	1/2	878.05	1/2	1,173.24	1/2	1,470.17	1/2	1,766.77	1/2	2,063.89	1/2	2,361.00	1/2	2,658.11
3/4	12.31	3/4	294.24	3/4	591.37	3/4	884.09	3/4	1,179.43	3/4	1,476.35	3/4	1,772.96	3/4	2,070.08	3/4	2,367.19	3/4	2,664.30
1	14.38	1	300.43	1	597.56	1	890.12	1	1,185.62	1	1,482.52	1	1,779.15	1	2,076.27	1	2,373.38	1	2,670.49
1/4	18.51	1/4	306.62	1/4	603.75	1/4	896.16	1/4	1,191.80	1/4	1,488.70	1/4	1,785.34	1/4	2,082.46	1/4	2,379.57	1/4	2,676.68
1/2	22.64	1/2	312.81	1/2	609.94	1/2	902.20	1/2	1,197.99	1/2	1,494.87	1/2	1,791.53	1/2	2,088.65	1/2	2,385.76	1/2	2,682.87
3/4	26.77	3/4	319.00	3/4	616.13	3/4	908.24	3/4	1,204.18	3/4	1,501.05	3/4	1,797.72	3/4	2,094.84	3/4	2,391.95	3/4	2,689.06
2	30.90	2	325.19	2	622.32	2	914.28	2	1,210.36	2	1,507.22	2	1,803.91	2	2,101.03	2	2,398.14	2	2,695.25
1/4	36.52	1/4	331.38	1/4	628.51	1/4	920.32	1/4	1,216.55	1/4	1,513.40	1/4	1,810.10	1/4	2,107.22	1/4	2,404.33	1/4	2,701.44
1/2	42.13	1/2	337.57	1/2	634.70	1/2	926.36	1/2	1,222.74	1/2	1,519.58	1/2	1,816.29	1/2	2,113.41	1/2	2,410.52	1/2	2,707.63
3/4	47.75	3/4	343.76	3/4	640.89	3/4	932.40	3/4	1,228.92	3/4	1,525.75	3/4	1,822.48	3/4	2,119.60	3/4	2,416.71	3/4	2,713.82
3	53.37	3	349.95	3	647.08	3	938.44	3	1,235.11	3	1,531.93	3	1,828.67	3	2,125.79	3	2,422.90	3	2,720.01
1/4	59.47	1/4	356.14	1/4	653.27	1/4	944.55	1/4	1,241.30	1/4	1,538.10	1/4	1,834.86	1/4	2,131.98	1/4	2,429.09	1/4	2,726.20
1/2	65.57	1/2	362.33	1/2	659.46	1/2	950.66	1/2	1,247.48	1/2	1,544.28	1/2	1,841.05	1/2	2,138.17	1/2	2,435.27	1/2	2,732.39
3/4	71.67	3/4	368.52	3/4	665.65	3/4	956.77	3/4	1,253.67	3/4	1,550.45	3/4	1,847.24	3/4	2,144.36	3/4	2,441.46	3/4	2,738.58
4	77.77	4	374.71	4	671.84	4	962.89	4	1,259.86	4	1,556.63	4	1,853.43	4	2,150.55	4	2,447.65	4	2,744.77
1/4	83.92	1/4	380.90	1/4	678.03	1/4	969.07	1/4	1,266.05	1/4	1,562.81	1/4	1,859.62	1/4	2,156.74	1/4	2,453.84	1/4	2,750.96
1/2	90.07	1/2	387.09	1/2	684.22	1/2	975.26	1/2	1,272.23	1/2	1,568.98	1/2	1,865.81	1/2	2,162.93	1/2	2,460.03	1/2	2,757.15
3/4	96.21	3/4	393.28	3/4	690.41	3/4	981.45	3/4	1,278.42	3/4	1,575.16	3/4	1,872.00	3/4	2,169.12	3/4	2,466.22	3/4	2,763.34
5	102.36	5	399.47	5	696.60	5	987.64	5	1,284.61	5	1,581.33	5	1,878.19	5	2,175.31	5	2,472.41	5	2,769.53
1/4	108.53	1/4	405.66	1/4	702.71	1/4	993.82	1/4	1,290.79	1/4	1,587.51	1/4	1,884.38	1/4	2,181.50	1/4	2,478.60	1/4	2,775.72
1/2	114.71	1/2	411.85	1/2	708.83	1/2	1,000.01	1/2	1,296.98	1/2	1,593.68	1/2	1,890.57	1/2	2,187.69	1/2	2,484.79	1/2	2,781.91
3/4	120.88	3/4	418.04	3/4	714.94	3/4	1,006.20	3/4	1,303.17	3/4	1,599.86	3/4	1,896.76	3/4	2,193.88	3/4	2,490.98	3/4	2,788.10
6	127.05	6	424.23	6	721.06	6	1,012.38	6	1,309.35	6	1,606.04	6	1,902.95	6	2,200.07	6	2,497.17	6	2,794.29
1/4	133.24	1/4	430.42	1/4	727.10	1/4	1,018.57	1/4	1,315.54	1/4	1,612.21	1/4	1,909.14	1/4	2,206.26	1/4	2,503.36	1/4	2,800.48
1/2	139.43	1/2	436.61	1/2	733.13	1/2	1,024.76	1/2	1,321.73	1/2	1,618.39	1/2	1,915.33	1/2	2,212.45	1/2	2,509.55	1/2	2,806.67
3/4	145.61	3/4	442.80	3/4	739.17	3/4	1,030.94	3/4	1,327.91	3/4	1,624.56	3/4	1,921.52	3/4	2,218.64	3/4	2,515.74	3/4	2,812.86
7	151.80	7	448.99	7	745.21	7	1,037.13	7	1,334.10	7	1,630.74	7	1,927.71	7	2,224.83	7	2,521.93	7	2,819.05
1/4	157.99	1/4	455.18	1/4	751.25	1/4	1,043.32	1/4	1,340.29	1/4	1,636.91	1/4	1,933.90	1/4	2,231.02	1/4	2,528.12	1/4	2,825.24
1/2	164.18	1/2	461.37	1/2	757.29	1/2	1,049.50	1/2	1,346.48	1/2	1,643.09	1/2	1,940.09	1/2	2,237.21	1/2	2,534.31	1/2	2,831.43
3/4	170.37	3/4	467.56	3/4	763.32	3/4	1,055.69	3/4	1,352.66	3/4	1,649.27	3/4	1,946.28	3/4	2,243.40	3/4	2,540.50	3/4	2,837.62
8	176.57	8	473.75	8	769.36	8	1,061.88	8	1,358.85	8	1,655.44	8	1,952.47	8	2,249.59	8	2,546.69	8	2,843.81
1/4	182.76	1/4	479.94	1/4	775.40	1/4	1,068.06	1/4	1,365.04	1/4	1,661.62	1/4	1,958.66	1/4	2,255.78	1/4	2,552.88	1/4	2,850.00
1/2	188.95	1/2	486.13	1/2	781.44	1/2	1,074.25	1/2	1,371.22	1/2	1,667.79	1/2	1,964.85	1/2	2,261.97	1/2	2,559.07	1/2	2,856.19
3/4	195.15	3/4	492.32	3/4	787.48	3/4	1,080.44	3/4	1,377.41	3/4	1,673.97	3/4	1,971.04	3/4	2,268.16	3/4	2,565.26	3/4	2,862.38
9	201.34	9	498.51	9	793.52	9	1,086.63	9	1,383.60	9	1,680.14	9	1,977.23	9	2,274.35	9	2,571.45	9	2,868.57
1/4	207.54	1/4	504.70	1/4	799.55	1/4	1,092.81	1/4	1,389.78	1/4	1,686.33	1/4	1,983.42	1/4	2,280.54	1/4	2,577.64	1/4	2,874.76
1/2	213.74	1/2	510.89	1/2	805.59	1/2	1,099.00	1/2	1,395.97	1/2	1,692.51	1/2	1,989.61	1/2	2,286.73	1/2	2,583.83	1/2	2,880.95
3/4	219.93	3/4	517.08	3/4	811.63	3/4	1,105.19	3/4	1,402.16	3/4	1,698.69	3/4	1,995.80	3/4	2,292.92	3/4	2,590.02	3/4	2,887.14
10	226.13	10	523.28	10	817.67	10	1,111.37	10	1,408.34	10	1,704.87	10	2,001.99	10	2,299.11	10	2,596.21	10	2,893.33
1/4	232.32	1/4	529.47	1/4	823.71	1/4	1,117.56	1/4	1,414.53	1/4	1,711.06	1/4	2,008.18	1/4	2,305.30	1/4	2,602.40	1/4	2,899.52
1/2	238.52	1/2	535.66	1/2	829.74	1/2	1,123.75	1/2	1,420.72	1/2	1,717.25	1/2	2,014.37	1/2	2,311.49	1/2	2,608.59	1/2	2,905.71
3/4	244.71	3/4	541.85	3/4	835.78	3/4	1,129.93	3/4	1,426.90	3/4	1,723.44	3/4	2,020.56	3/4	2,317.68	3/4	2,614.78	3/4	2,911.90
11	250.90	11	548.04	11	841.82	11	1,136.12	11	1,433.09	11	1,729.63	11	2,026.75	11	2,323.87	11	2,620.97	11	2,918.09
1/4	257.09	1/4	554.23	1/4	847.86	1/4	1,142.31	1/4	1,439.27	1/4	1,735.82	1/4	2,032.94	1/4	2,330.06	1/4	2,627.16	1/4	2,924.28
1/2	263.28	1/2	560.42	1/2	853.90	1/2	1,148.49	1/2	1,445.46	1/2	1,742.01	1/2	2,039.13	1/2	2,336.25	1/2	2,633.35	1/2	2,930.47
3/4	269.47	3/4	566.61	3/4	859.93	3/4	1,154.68	3/4	1,451.64	3/4	1,748.20	3/4	2,045.32	3/4	2,342.43	3/4	2,639.54	3/4	2,936.66

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 INNAGE 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 1099"

1 CENTER INNAGE 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	2,933.85	0	3,187.99	0	3,442.13	0	3,696.27	0	3,949.01	0		0		0		0		0	
1/4	2,939.14	1/4	3,193.28	1/4	3,447.43	1/4	3,701.57	1/4	3,952.71	1/4		1/4		1/4		1/4		1/4	
1/2	2,944.44	1/2	3,198.58	1/2	3,452.72	1/2	3,706.86	1/2	3,956.41	1/2		1/2		1/2		1/2		1/2	
3/4	2,949.73	3/4	3,203.87	3/4	3,458.01	3/4	3,712.16	3/4	3,960.12	3/4		3/4		3/4		3/4		3/4	
1	2,955.03	1	3,209.17	1	3,463.31	1	3,717.45	1	3,963.82	1		1		1		1		1	
1/4	2,960.32	1/4	3,214.46	1/4	3,468.60	1/4	3,722.74	1/4	3,965.95	1/4		1/4		1/4		1/4		1/4	
1/2	2,965.62	1/2	3,219.76	1/2	3,473.90	1/2	3,728.04	1/2	3,968.08	1/2		1/2		1/2		1/2		1/2	
3/4	2,970.91	3/4	3,225.05	3/4	3,479.19	3/4	3,733.33	3/4	3,970.21	3/4		3/4		3/4		3/4		3/4	
2	2,976.21	2	3,230.35	2	3,484.49	2	3,738.63	2	3,972.34	2		2		2		2		2	
1/4	2,981.50	1/4	3,235.64	1/4	3,489.78	1/4	3,743.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,986.80	1/2	3,240.94	1/2	3,495.08	1/2	3,749.22	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,992.09	3/4	3,246.23	3/4	3,500.37	3/4	3,754.51	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,997.38	3	3,251.53	3	3,505.67	3	3,759.81	3		3		3		3		3		3	
1/4	3,002.68	1/4	3,256.82	1/4	3,510.96	1/4	3,765.10	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,007.97	1/2	3,262.11	1/2	3,516.26	1/2	3,770.40	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,013.27	3/4	3,267.41	3/4	3,521.55	3/4	3,775.69	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,018.56	4	3,272.70	4	3,526.84	4	3,780.99	4		4		4		4		4		4	
1/4	3,023.86	1/4	3,278.00	1/4	3,532.14	1/4	3,786.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,029.15	1/2	3,283.29	1/2	3,537.43	1/2	3,791.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,034.45	3/4	3,288.59	3/4	3,542.73	3/4	3,796.87	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,039.74	5	3,293.88	5	3,548.02	5	3,802.16	5		5		5		5		5		5	
1/4	3,045.04	1/4	3,299.18	1/4	3,553.32	1/4	3,807.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,050.33	1/2	3,304.47	1/2	3,558.61	1/2	3,812.75	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,055.63	3/4	3,309.77	3/4	3,563.91	3/4	3,818.05	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,060.92	6	3,315.06	6	3,569.20	6	3,823.34	6		6		6		6		6		6	
1/4	3,066.21	1/4	3,320.36	1/4	3,574.50	1/4	3,828.64	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,071.51	1/2	3,325.65	1/2	3,579.79	1/2	3,833.93	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,076.80	3/4	3,330.94	3/4	3,585.09	3/4	3,839.23	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,082.10	7	3,336.24	7	3,590.38	7	3,844.52	7		7		7		7		7		7	
1/4	3,087.39	1/4	3,341.53	1/4	3,595.67	1/4	3,849.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,092.69	1/2	3,346.83	1/2	3,600.97	1/2	3,855.11	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,097.98	3/4	3,352.12	3/4	3,606.26	3/4	3,860.40	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,103.28	8	3,357.42	8	3,611.56	8	3,865.70	8		8		8		8		8		8	
1/4	3,108.57	1/4	3,362.71	1/4	3,616.85	1/4	3,870.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,113.87	1/2	3,368.01	1/2	3,622.15	1/2	3,876.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,119.16	3/4	3,373.30	3/4	3,627.44	3/4	3,881.58	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,124.46	9	3,378.60	9	3,632.74	9	3,886.87	9		9		9		9		9		9	
1/4	3,129.75	1/4	3,383.89	1/4	3,638.03	1/4	3,892.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,135.04	1/2	3,389.19	1/2	3,643.33	1/2	3,897.45	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,140.34	3/4	3,394.48	3/4	3,648.62	3/4	3,902.74	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,145.63	10	3,399.77	10	3,653.92	10	3,908.03	10		10		10		10		10		10	
1/4	3,150.93	1/4	3,405.07	1/4	3,659.21	1/4	3,913.30	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,156.22	1/2	3,410.36	1/2	3,664.50	1/2	3,918.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,161.52	3/4	3,415.66	3/4	3,669.80	3/4	3,923.84	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,166.81	11	3,420.95	11	3,675.09	11	3,929.11	11		11		11		11		11		11	
1/4	3,172.11	1/4	3,426.25	1/4	3,680.39	1/4	3,934.09	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,177.40	1/2	3,431.54	1/2	3,685.68	1/2	3,939.06	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,182.70	3/4	3,436.84	3/4	3,690.98	3/4	3,944.04	3/4		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 1099"

2 CENTER INNAGE 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	2.45	0	240.83	0	503.93	0	763.14	0	1,024.17	0	1,287.29	0	1,550.40	0	1,813.52	0	2,076.64	0	2,339.75
1/4	4.28	1/4	246.31	1/4	509.41	1/4	768.47	1/4	1,029.65	1/4	1,292.77	1/4	1,555.88	1/4	1,819.00	1/4	2,082.12	1/4	2,345.23
1/2	6.11	1/2	251.79	1/2	514.89	1/2	773.81	1/2	1,035.13	1/2	1,298.25	1/2	1,561.37	1/2	1,824.48	1/2	2,087.60	1/2	2,350.72
3/4	7.93	3/4	257.27	3/4	520.38	3/4	779.14	3/4	1,040.61	3/4	1,303.73	3/4	1,566.85	3/4	1,829.96	3/4	2,093.08	3/4	2,356.20
1	9.76	1	262.76	1	525.86	1	784.47	1	1,046.10	1	1,309.21	1	1,572.33	1	1,835.45	1	2,098.56	1	2,361.68
1/4	13.41	1/4	268.24	1/4	531.34	1/4	789.80	1/4	1,051.58	1/4	1,314.69	1/4	1,577.81	1/4	1,840.93	1/4	2,104.04	1/4	2,367.16
1/2	17.06	1/2	273.72	1/2	536.82	1/2	795.13	1/2	1,057.06	1/2	1,320.18	1/2	1,583.29	1/2	1,846.41	1/2	2,109.53	1/2	2,372.64
3/4	20.71	3/4	279.20	3/4	542.30	3/4	800.46	3/4	1,062.54	3/4	1,325.66	3/4	1,588.77	3/4	1,851.89	3/4	2,115.01	3/4	2,378.12
2	24.36	2	284.68	2	547.78	2	805.80	2	1,068.02	2	1,331.14	2	1,594.26	2	1,857.37	2	2,120.49	2	2,383.61
1/4	29.33	1/4	290.16	1/4	553.26	1/4	811.13	1/4	1,073.50	1/4	1,336.62	1/4	1,599.74	1/4	1,862.85	1/4	2,125.97	1/4	2,389.09
1/2	34.29	1/2	295.64	1/2	558.75	1/2	816.46	1/2	1,078.98	1/2	1,342.10	1/2	1,605.22	1/2	1,868.34	1/2	2,131.45	1/2	2,394.57
3/4	39.25	3/4	301.12	3/4	564.23	3/4	821.80	3/4	1,084.47	3/4	1,347.58	3/4	1,610.70	3/4	1,873.82	3/4	2,136.93	3/4	2,400.05
3	44.22	3	306.61	3	569.71	3	827.13	3	1,089.95	3	1,353.06	3	1,616.18	3	1,879.30	3	2,142.42	3	2,405.53
1/4	49.61	1/4	312.09	1/4	575.19	1/4	832.54	1/4	1,095.43	1/4	1,358.55	1/4	1,621.66	1/4	1,884.78	1/4	2,147.90	1/4	2,411.01
1/2	55.00	1/2	317.57	1/2	580.67	1/2	837.94	1/2	1,100.91	1/2	1,364.03	1/2	1,627.14	1/2	1,890.26	1/2	2,153.38	1/2	2,416.50
3/4	60.40	3/4	323.05	3/4	586.15	3/4	843.35	3/4	1,106.39	3/4	1,369.51	3/4	1,632.63	3/4	1,895.74	3/4	2,158.86	3/4	2,421.98
4	65.79	4	328.53	4	591.63	4	848.76	4	1,111.87	4	1,374.99	4	1,638.11	4	1,901.22	4	2,164.34	4	2,427.46
1/4	71.22	1/4	334.01	1/4	597.11	1/4	854.24	1/4	1,117.36	1/4	1,380.47	1/4	1,643.59	1/4	1,906.71	1/4	2,169.82	1/4	2,432.94
1/2	76.65	1/2	339.49	1/2	602.60	1/2	859.72	1/2	1,122.84	1/2	1,385.95	1/2	1,649.07	1/2	1,912.19	1/2	2,175.30	1/2	2,438.42
3/4	82.09	3/4	344.97	3/4	608.08	3/4	865.20	3/4	1,128.32	3/4	1,391.44	3/4	1,654.55	3/4	1,917.67	3/4	2,180.79	3/4	2,443.90
5	87.52	5	350.46	5	613.56	5	870.68	5	1,133.80	5	1,396.92	5	1,660.03	5	1,923.15	5	2,186.27	5	2,449.38
1/4	92.97	1/4	355.94	1/4	618.97	1/4	876.17	1/4	1,139.28	1/4	1,402.40	1/4	1,665.52	1/4	1,928.63	1/4	2,191.75	1/4	2,454.87
1/2	98.43	1/2	361.42	1/2	624.37	1/2	881.65	1/2	1,144.76	1/2	1,407.88	1/2	1,671.00	1/2	1,934.11	1/2	2,197.23	1/2	2,460.35
3/4	103.89	3/4	366.90	3/4	629.78	3/4	887.13	3/4	1,150.25	3/4	1,413.36	3/4	1,676.48	3/4	1,939.60	3/4	2,202.71	3/4	2,465.83
6	109.34	6	372.38	6	635.19	6	892.61	6	1,155.73	6	1,418.84	6	1,681.96	6	1,945.08	6	2,208.19	6	2,471.31
1/4	114.81	1/4	377.86	1/4	640.52	1/4	898.09	1/4	1,161.21	1/4	1,424.33	1/4	1,687.44	1/4	1,950.56	1/4	2,213.68	1/4	2,476.79
1/2	120.28	1/2	383.34	1/2	645.85	1/2	903.57	1/2	1,166.69	1/2	1,429.81	1/2	1,692.92	1/2	1,956.04	1/2	2,219.16	1/2	2,482.27
3/4	125.75	3/4	388.83	3/4	651.18	3/4	909.06	3/4	1,172.17	3/4	1,435.29	3/4	1,698.41	3/4	1,961.52	3/4	2,224.64	3/4	2,487.76
7	131.22	7	394.31	7	656.51	7	914.54	7	1,177.65	7	1,440.77	7	1,703.89	7	1,967.00	7	2,230.12	7	2,493.24
1/4	136.70	1/4	399.79	1/4	661.84	1/4	920.02	1/4	1,183.14	1/4	1,446.25	1/4	1,709.37	1/4	1,972.49	1/4	2,235.60	1/4	2,498.72
1/2	142.18	1/2	405.27	1/2	667.18	1/2	925.50	1/2	1,188.62	1/2	1,451.73	1/2	1,714.85	1/2	1,977.97	1/2	2,241.08	1/2	2,504.20
3/4	147.65	3/4	410.75	3/4	672.51	3/4	930.98	3/4	1,194.10	3/4	1,457.22	3/4	1,720.33	3/4	1,983.45	3/4	2,246.57	3/4	2,509.68
8	153.13	8	416.23	8	677.84	8	936.46	8	1,199.58	8	1,462.70	8	1,725.81	8	1,988.93	8	2,252.05	8	2,515.16
1/4	158.61	1/4	421.71	1/4	683.17	1/4	941.94	1/4	1,205.06	1/4	1,468.18	1/4	1,731.30	1/4	1,994.41	1/4	2,257.53	1/4	2,520.65
1/2	164.09	1/2	427.19	1/2	688.50	1/2	947.43	1/2	1,210.54	1/2	1,473.66	1/2	1,736.78	1/2	1,999.89	1/2	2,263.01	1/2	2,526.13
3/4	169.57	3/4	432.68	3/4	693.83	3/4	952.91	3/4	1,216.02	3/4	1,479.14	3/4	1,742.26	3/4	2,005.38	3/4	2,268.49	3/4	2,531.61
9	175.06	9	438.16	9	699.17	9	958.39	9	1,221.51	9	1,484.62	9	1,747.74	9	2,010.86	9	2,273.97	9	2,537.09
1/4	180.54	1/4	443.64	1/4	704.50	1/4	963.87	1/4	1,226.99	1/4	1,490.10	1/4	1,753.22	1/4	2,016.34	1/4	2,279.46	1/4	2,542.57
1/2	186.02	1/2	449.12	1/2	709.83	1/2	969.35	1/2	1,232.47	1/2	1,495.59	1/2	1,758.70	1/2	2,021.82	1/2	2,284.94	1/2	2,548.05
3/4	191.50	3/4	454.60	3/4	715.16	3/4	974.83	3/4	1,237.95	3/4	1,501.07	3/4	1,764.18	3/4	2,027.30	3/4	2,290.42	3/4	2,553.54
10	196.98	10	460.08	10	720.49	10	980.32	10	1,243.43	10	1,506.55	10	1,769.67	10	2,032.78	10	2,295.90	10	2,559.02
1/4	202.46	1/4	465.56	1/4	725.82	1/4	985.80	1/4	1,248.91	1/4	1,512.03	1/4	1,775.15	1/4	2,038.26	1/4	2,301.38	1/4	2,564.50
1/2	207.94	1/2	471.04	1/2	731.15	1/2	991.28	1/2	1,254.40	1/2	1,517.51	1/2	1,780.63	1/2	2,043.75	1/2	2,306.86	1/2	2,569.98
3/4	213.42	3/4	476.53	3/4	736.49	3/4	996.76	3/4	1,259.88	3/4	1,522.99	3/4	1,786.11	3/4	2,049.23	3/4	2,312.34	3/4	2,575.46
11	218.90	11	482.01	11	741.82	11	1,002.24	11	1,265.36	11	1,528.48	11	1,791.59	11	2,054.71	11	2,317.83	11	2,580.94
1/4	224.39	1/4	487.49	1/4	747.15	1/4	1,007.72	1/4	1,270.84	1/4	1,533.96	1/4	1,797.07	1/4	2,060.19	1/4	2,323.31	1/4	2,586.42
1/2	229.87	1/2	492.97	1/2	752.48	1/2	1,013.21	1/2	1,276.32	1/2	1,539.44	1/2	1,802.56	1/2	2,065.67	1/2	2,328.79	1/2	2,591.91
3/4	235.35	3/4	498.45	3/4	757.81	3/4	1,018.69	3/4	1,281.80	3/4	1,544.92	3/4	1,808.04	3/4	2,071.15	3/4	2,334.27	3/4	2,597.39

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 INNAGE 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 1099"

2 CENTER INNAGE 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	2,602.87	0	2,865.99	0	3,129.10	0	3,392.22	0	3,654.08	0		0		0		0		0	
1/4	2,608.35	1/4	2,871.47	1/4	3,134.58	1/4	3,397.70	1/4	3,658.15	1/4		1/4		1/4		1/4		1/4	
1/2	2,613.83	1/2	2,876.95	1/2	3,140.07	1/2	3,403.18	1/2	3,662.23	1/2		1/2		1/2		1/2		1/2	
3/4	2,619.31	3/4	2,882.43	3/4	3,145.55	3/4	3,408.66	3/4	3,666.30	3/4		3/4		3/4		3/4		3/4	
1	2,624.80	1	2,887.91	1	3,151.03	1	3,414.15	1	3,670.37	1		1		1		1		1	
1/4	2,630.28	1/4	2,893.39	1/4	3,156.51	1/4	3,419.63	1/4	3,672.66	1/4		1/4		1/4		1/4		1/4	
1/2	2,635.76	1/2	2,898.88	1/2	3,161.99	1/2	3,425.11	1/2	3,674.94	1/2		1/2		1/2		1/2		1/2	
3/4	2,641.24	3/4	2,904.36	3/4	3,167.47	3/4	3,430.59	3/4	3,677.23	3/4		3/4		3/4		3/4		3/4	
2	2,646.72	2	2,909.84	2	3,172.96	2	3,436.07	2	3,679.51	2		2		2		2		2	
1/4	2,652.20	1/4	2,915.32	1/4	3,178.44	1/4	3,441.55	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,657.69	1/2	2,920.80	1/2	3,183.92	1/2	3,447.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,663.17	3/4	2,926.28	3/4	3,189.40	3/4	3,452.52	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,668.65	3	2,931.77	3	3,194.88	3	3,458.00	3		3		3		3		3		3	
1/4	2,674.13	1/4	2,937.25	1/4	3,200.36	1/4	3,463.48	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,679.61	1/2	2,942.73	1/2	3,205.85	1/2	3,468.96	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,685.09	3/4	2,948.21	3/4	3,211.33	3/4	3,474.44	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,690.58	4	2,953.69	4	3,216.81	4	3,479.93	4		4		4		4		4		4	
1/4	2,696.06	1/4	2,959.17	1/4	3,222.29	1/4	3,485.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,701.54	1/2	2,964.66	1/2	3,227.77	1/2	3,490.89	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,707.02	3/4	2,970.14	3/4	3,233.25	3/4	3,496.37	3/4		3/4		3/4		3/4		3/4		3/4	
5	2,712.50	5	2,975.62	5	3,238.74	5	3,501.85	5		5		5		5		5		5	
1/4	2,717.98	1/4	2,981.10	1/4	3,244.22	1/4	3,507.33	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,723.46	1/2	2,986.58	1/2	3,249.70	1/2	3,512.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,728.95	3/4	2,992.06	3/4	3,255.18	3/4	3,518.30	3/4		3/4		3/4		3/4		3/4		3/4	
6	2,734.43	6	2,997.54	6	3,260.66	6	3,523.78	6		6		6		6		6		6	
1/4	2,739.91	1/4	3,003.03	1/4	3,266.14	1/4	3,529.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,745.39	1/2	3,008.51	1/2	3,271.62	1/2	3,534.74	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,750.87	3/4	3,013.99	3/4	3,277.11	3/4	3,540.22	3/4		3/4		3/4		3/4		3/4		3/4	
7	2,756.35	7	3,019.47	7	3,282.59	7	3,545.70	7		7		7		7		7		7	
1/4	2,761.84	1/4	3,024.95	1/4	3,288.07	1/4	3,551.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,767.32	1/2	3,030.43	1/2	3,293.55	1/2	3,556.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,772.80	3/4	3,035.92	3/4	3,299.03	3/4	3,562.15	3/4		3/4		3/4		3/4		3/4		3/4	
8	2,778.28	8	3,041.40	8	3,304.51	8	3,567.63	8		8		8		8		8		8	
1/4	2,783.76	1/4	3,046.88	1/4	3,310.00	1/4	3,573.11	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,789.24	1/2	3,052.36	1/2	3,315.48	1/2	3,578.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,794.73	3/4	3,057.84	3/4	3,320.96	3/4	3,584.06	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,800.21	9	3,063.32	9	3,326.44	9	3,589.53	9		9		9		9		9		9	
1/4	2,805.69	1/4	3,068.81	1/4	3,331.92	1/4	3,595.01	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,811.17	1/2	3,074.29	1/2	3,337.40	1/2	3,600.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,816.65	3/4	3,079.77	3/4	3,342.89	3/4	3,605.96	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,822.13	10	3,085.25	10	3,348.37	10	3,611.44	10		10		10		10		10		10	
1/4	2,827.62	1/4	3,090.73	1/4	3,353.85	1/4	3,616.90	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,833.10	1/2	3,096.21	1/2	3,359.33	1/2	3,622.36	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,838.58	3/4	3,101.70	3/4	3,364.81	3/4	3,627.82	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,844.06	11	3,107.18	11	3,370.29	11	3,633.28	11		11		11		11		11		11	
1/4	2,849.54	1/4	3,112.66	1/4	3,375.78	1/4	3,638.48	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,855.02	1/2	3,118.14	1/2	3,381.26	1/2	3,643.68	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,860.50	3/4	3,123.62	3/4	3,386.74	3/4	3,648.88	3/4		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 1099"

3 CENTER INNAGE 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	2.43	0	237.65	0	497.28	0	756.63	0	1,016.13	0	1,275.76	0	1,535.40	0	1,795.04	0	2,054.67	0	2,314.31
1/4	4.23	1/4	243.06	1/4	502.69	1/4	762.03	1/4	1,021.54	1/4	1,281.17	1/4	1,540.81	1/4	1,800.45	1/4	2,060.08	1/4	2,319.72
1/2	6.03	1/2	248.47	1/2	508.10	1/2	767.42	1/2	1,026.94	1/2	1,286.58	1/2	1,546.22	1/2	1,805.85	1/2	2,065.49	1/2	2,325.13
3/4	7.83	3/4	253.88	3/4	513.51	3/4	772.82	3/4	1,032.35	3/4	1,291.99	3/4	1,551.63	3/4	1,811.26	3/4	2,070.90	3/4	2,330.54
1	9.64	1	259.29	1	518.91	1	778.22	1	1,037.76	1	1,297.40	1	1,557.04	1	1,816.67	1	2,076.31	1	2,335.95
1/4	13.24	1/4	264.70	1/4	524.32	1/4	783.62	1/4	1,043.17	1/4	1,302.81	1/4	1,562.45	1/4	1,822.08	1/4	2,081.72	1/4	2,341.36
1/2	16.84	1/2	270.11	1/2	529.73	1/2	789.02	1/2	1,048.58	1/2	1,308.22	1/2	1,567.85	1/2	1,827.49	1/2	2,087.13	1/2	2,346.76
3/4	20.44	3/4	275.51	3/4	535.14	3/4	794.42	3/4	1,053.99	3/4	1,313.63	3/4	1,573.26	3/4	1,832.90	3/4	2,092.54	3/4	2,352.17
2	24.04	2	280.92	2	540.55	2	799.82	2	1,059.40	2	1,319.04	2	1,578.67	2	1,838.31	2	2,097.95	2	2,357.58
1/4	28.94	1/4	286.33	1/4	545.96	1/4	805.22	1/4	1,064.81	1/4	1,324.44	1/4	1,584.08	1/4	1,843.72	1/4	2,103.36	1/4	2,362.99
1/2	33.84	1/2	291.74	1/2	551.37	1/2	810.62	1/2	1,070.22	1/2	1,329.85	1/2	1,589.49	1/2	1,849.13	1/2	2,108.76	1/2	2,368.40
3/4	38.74	3/4	297.15	3/4	556.78	3/4	816.02	3/4	1,075.63	3/4	1,335.26	3/4	1,594.90	3/4	1,854.54	3/4	2,114.17	3/4	2,373.81
3	43.64	3	302.56	3	562.19	3	821.42	3	1,081.04	3	1,340.67	3	1,600.31	3	1,859.95	3	2,119.58	3	2,379.22
1/4	48.96	1/4	307.97	1/4	567.59	1/4	826.82	1/4	1,086.44	1/4	1,346.08	1/4	1,605.72	1/4	1,865.35	1/4	2,124.99	1/4	2,384.63
1/2	54.28	1/2	313.38	1/2	573.00	1/2	832.23	1/2	1,091.85	1/2	1,351.49	1/2	1,611.13	1/2	1,870.76	1/2	2,130.40	1/2	2,390.04
3/4	59.60	3/4	318.79	3/4	578.41	3/4	837.63	3/4	1,097.26	3/4	1,356.90	3/4	1,616.54	3/4	1,876.17	3/4	2,135.81	3/4	2,395.45
4	64.92	4	324.19	4	583.82	4	843.04	4	1,102.67	4	1,362.31	4	1,621.95	4	1,881.58	4	2,141.22	4	2,400.86
1/4	70.29	1/4	329.60	1/4	589.23	1/4	848.44	1/4	1,108.08	1/4	1,367.72	1/4	1,627.35	1/4	1,886.99	1/4	2,146.63	1/4	2,406.26
1/2	75.65	1/2	335.01	1/2	594.64	1/2	853.85	1/2	1,113.49	1/2	1,373.13	1/2	1,632.76	1/2	1,892.40	1/2	2,152.04	1/2	2,411.67
3/4	81.01	3/4	340.42	3/4	600.05	3/4	859.26	3/4	1,118.90	3/4	1,378.54	3/4	1,638.17	3/4	1,897.81	3/4	2,157.45	3/4	2,417.08
5	86.37	5	345.83	5	605.46	5	864.67	5	1,124.31	5	1,383.95	5	1,643.58	5	1,903.22	5	2,162.86	5	2,422.49
1/4	91.75	1/4	351.24	1/4	610.86	1/4	870.08	1/4	1,129.72	1/4	1,389.35	1/4	1,648.99	1/4	1,908.63	1/4	2,168.26	1/4	2,427.90
1/2	97.13	1/2	356.65	1/2	616.26	1/2	875.49	1/2	1,135.13	1/2	1,394.76	1/2	1,654.40	1/2	1,914.04	1/2	2,173.67	1/2	2,433.31
3/4	102.52	3/4	362.06	3/4	621.67	3/4	880.90	3/4	1,140.54	3/4	1,400.17	3/4	1,659.81	3/4	1,919.45	3/4	2,179.08	3/4	2,438.72
6	107.90	6	367.47	6	627.07	6	886.31	6	1,145.94	6	1,405.58	6	1,665.22	6	1,924.86	6	2,184.49	6	2,444.13
1/4	113.30	1/4	372.87	1/4	632.47	1/4	891.72	1/4	1,151.35	1/4	1,410.99	1/4	1,670.63	1/4	1,930.26	1/4	2,189.90	1/4	2,449.54
1/2	118.70	1/2	378.28	1/2	637.87	1/2	897.13	1/2	1,156.76	1/2	1,416.40	1/2	1,676.04	1/2	1,935.67	1/2	2,195.31	1/2	2,454.95
3/4	124.09	3/4	383.69	3/4	643.26	3/4	902.54	3/4	1,162.17	3/4	1,421.81	3/4	1,681.45	3/4	1,941.08	3/4	2,200.72	3/4	2,460.36
7	129.49	7	389.10	7	648.66	7	907.94	7	1,167.58	7	1,427.22	7	1,686.85	7	1,946.49	7	2,206.13	7	2,465.77
1/4	134.90	1/4	394.51	1/4	654.06	1/4	913.35	1/4	1,172.99	1/4	1,432.63	1/4	1,692.26	1/4	1,951.90	1/4	2,211.54	1/4	2,471.17
1/2	140.30	1/2	399.92	1/2	659.46	1/2	918.76	1/2	1,178.40	1/2	1,438.04	1/2	1,697.67	1/2	1,957.31	1/2	2,216.95	1/2	2,476.58
3/4	145.71	3/4	405.33	3/4	664.86	3/4	924.17	3/4	1,183.81	3/4	1,443.45	3/4	1,703.08	3/4	1,962.72	3/4	2,222.36	3/4	2,481.99
8	151.11	8	410.74	8	670.26	8	929.58	8	1,189.22	8	1,448.85	8	1,708.49	8	1,968.13	8	2,227.76	8	2,487.40
1/4	156.52	1/4	416.15	1/4	675.65	1/4	934.99	1/4	1,194.63	1/4	1,454.26	1/4	1,713.90	1/4	1,973.54	1/4	2,233.17	1/4	2,492.81
1/2	161.93	1/2	421.55	1/2	681.05	1/2	940.40	1/2	1,200.04	1/2	1,459.67	1/2	1,719.31	1/2	1,978.95	1/2	2,238.58	1/2	2,498.22
3/4	167.34	3/4	426.96	3/4	686.45	3/4	945.81	3/4	1,205.44	3/4	1,465.08	3/4	1,724.72	3/4	1,984.36	3/4	2,243.99	3/4	2,503.63
9	172.75	9	432.37	9	691.85	9	951.22	9	1,210.85	9	1,470.49	9	1,730.13	9	1,989.76	9	2,249.40	9	2,509.04
1/4	178.15	1/4	437.78	1/4	697.25	1/4	956.63	1/4	1,216.26	1/4	1,475.90	1/4	1,735.54	1/4	1,995.17	1/4	2,254.81	1/4	2,514.45
1/2	183.56	1/2	443.19	1/2	702.65	1/2	962.04	1/2	1,221.67	1/2	1,481.31	1/2	1,740.95	1/2	2,000.58	1/2	2,260.22	1/2	2,519.86
3/4	188.97	3/4	448.60	3/4	708.04	3/4	967.44	3/4	1,227.08	3/4	1,486.72	3/4	1,746.35	3/4	2,005.99	3/4	2,265.63	3/4	2,525.27
10	194.38	10	454.01	10	713.44	10	972.85	10	1,232.49	10	1,492.13	10	1,751.76	10	2,011.40	10	2,271.04	10	2,530.67
1/4	199.79	1/4	459.42	1/4	718.84	1/4	978.26	1/4	1,237.90	1/4	1,497.54	1/4	1,757.17	1/4	2,016.81	1/4	2,276.45	1/4	2,536.08
1/2	205.20	1/2	464.83	1/2	724.24	1/2	983.67	1/2	1,243.31	1/2	1,502.95	1/2	1,762.58	1/2	2,022.22	1/2	2,281.86	1/2	2,541.49
3/4	210.61	3/4	470.23	3/4	729.64	3/4	989.08	3/4	1,248.72	3/4	1,508.35	3/4	1,767.99	3/4	2,027.63	3/4	2,287.26	3/4	2,546.90
11	216.02	11	475.64	11	735.04	11	994.49	11	1,254.13	11	1,513.76	11	1,773.40	11	2,033.04	11	2,292.67	11	2,552.31
1/4	221.43	1/4	481.05	1/4	740.43	1/4	999.90	1/4	1,259.54	1/4	1,519.17	1/4	1,778.81	1/4	2,038.45	1/4	2,298.08	1/4	2,557.72
1/2	226.83	1/2	486.46	1/2	745.83	1/2	1,005.31	1/2	1,264.94	1/2	1,524.58	1/2	1,784.22	1/2	2,043.86	1/2	2,303.49	1/2	2,563.13
3/4	232.24	3/4	491.87	3/4	751.23	3/4	1,010.72	3/4	1,270.35	3/4	1,529.99	3/4	1,789.63	3/4	2,049.26	3/4	2,308.90	3/4	2,568.54

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 INNAGE 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 1099"

3 CENTER INNAGE 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	2,573.95	0	2,833.58	0	3,093.22	0	3,352.86	0	3,611.27	0		0		0		0		0	
1/4	2,579.36	1/4	2,838.99	1/4	3,098.63	1/4	3,358.27	1/4	3,615.29	1/4		1/4		1/4		1/4		1/4	
1/2	2,584.77	1/2	2,844.40	1/2	3,104.04	1/2	3,363.68	1/2	3,619.31	1/2		1/2		1/2		1/2		1/2	
3/4	2,590.17	3/4	2,849.81	3/4	3,109.45	3/4	3,369.08	3/4	3,623.33	3/4		3/4		3/4		3/4		3/4	
1	2,595.58	1	2,855.22	1	3,114.86	1	3,374.49	1	3,627.35	1		1		1		1		1	
1/4	2,600.99	1/4	2,860.63	1/4	3,120.27	1/4	3,379.90	1/4	3,629.60	1/4		1/4		1/4		1/4		1/4	
1/2	2,606.40	1/2	2,866.04	1/2	3,125.68	1/2	3,385.31	1/2	3,631.85	1/2		1/2		1/2		1/2		1/2	
3/4	2,611.81	3/4	2,871.45	3/4	3,131.08	3/4	3,390.72	3/4	3,634.11	3/4		3/4		3/4		3/4		3/4	
2	2,617.22	2	2,876.86	2	3,136.49	2	3,396.13	2	3,636.36	2		2		2		2		2	
1/4	2,622.63	1/4	2,882.27	1/4	3,141.90	1/4	3,401.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,628.04	1/2	2,887.67	1/2	3,147.31	1/2	3,406.95	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,633.45	3/4	2,893.08	3/4	3,152.72	3/4	3,412.36	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,638.86	3	2,898.49	3	3,158.13	3	3,417.77	3		3		3		3		3		3	
1/4	2,644.27	1/4	2,903.90	1/4	3,163.54	1/4	3,423.18	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,649.67	1/2	2,909.31	1/2	3,168.95	1/2	3,428.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,655.08	3/4	2,914.72	3/4	3,174.36	3/4	3,433.99	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,660.49	4	2,920.13	4	3,179.77	4	3,439.40	4		4		4		4		4		4	
1/4	2,665.90	1/4	2,925.54	1/4	3,185.18	1/4	3,444.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,671.31	1/2	2,930.95	1/2	3,190.58	1/2	3,450.22	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,676.72	3/4	2,936.36	3/4	3,195.99	3/4	3,455.63	3/4		3/4		3/4		3/4		3/4		3/4	
5	2,682.13	5	2,941.77	5	3,201.40	5	3,461.04	5		5		5		5		5		5	
1/4	2,687.54	1/4	2,947.17	1/4	3,206.81	1/4	3,466.45	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,692.95	1/2	2,952.58	1/2	3,212.22	1/2	3,471.86	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,698.36	3/4	2,957.99	3/4	3,217.63	3/4	3,477.27	3/4		3/4		3/4		3/4		3/4		3/4	
6	2,703.77	6	2,963.40	6	3,223.04	6	3,482.68	6		6		6		6		6		6	
1/4	2,709.17	1/4	2,968.81	1/4	3,228.45	1/4	3,488.08	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,714.58	1/2	2,974.22	1/2	3,233.86	1/2	3,493.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,719.99	3/4	2,979.63	3/4	3,239.27	3/4	3,498.90	3/4		3/4		3/4		3/4		3/4		3/4	
7	2,725.40	7	2,985.04	7	3,244.68	7	3,504.31	7		7		7		7		7		7	
1/4	2,730.81	1/4	2,990.45	1/4	3,250.08	1/4	3,509.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,736.22	1/2	2,995.86	1/2	3,255.49	1/2	3,515.13	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,741.63	3/4	3,001.27	3/4	3,260.90	3/4	3,520.54	3/4		3/4		3/4		3/4		3/4		3/4	
8	2,747.04	8	3,006.67	8	3,266.31	8	3,525.95	8		8		8		8		8		8	
1/4	2,752.45	1/4	3,012.08	1/4	3,271.72	1/4	3,531.36	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,757.86	1/2	3,017.49	1/2	3,277.13	1/2	3,536.76	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,763.27	3/4	3,022.90	3/4	3,282.54	3/4	3,542.17	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,768.67	9	3,028.31	9	3,287.95	9	3,547.57	9		9		9		9		9		9	
1/4	2,774.08	1/4	3,033.72	1/4	3,293.36	1/4	3,552.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,779.49	1/2	3,039.13	1/2	3,298.77	1/2	3,558.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,784.90	3/4	3,044.54	3/4	3,304.18	3/4	3,563.79	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,790.31	10	3,049.95	10	3,309.58	10	3,569.19	10		10		10		10		10		10	
1/4	2,795.72	1/4	3,055.36	1/4	3,314.99	1/4	3,574.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,801.13	1/2	3,060.77	1/2	3,320.40	1/2	3,579.97	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,806.54	3/4	3,066.18	3/4	3,325.81	3/4	3,585.36	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,811.95	11	3,071.58	11	3,331.22	11	3,590.75	11		11		11		11		11		11	
1/4	2,817.36	1/4	3,076.99	1/4	3,336.63	1/4	3,595.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,822.77	1/2	3,082.40	1/2	3,342.04	1/2	3,601.01	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,828.17	3/4	3,087.81	3/4	3,347.45	3/4	3,606.14	3/4		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>