



BARGE "IB 1109"

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	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
2 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
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 3/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED INNAGE IS 3'-11 5/8"

LENGTH BETWEEN DRAFT MARKS: 163'-00"

May 23, 2018

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

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BARGE "IB 1109"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-02 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	6.11	0	275.77	0	573.03	0	866.32	0	1,161.33	0	1,458.40	0	1,755.09	0	2,052.33	0	2,349.56	0	2,646.79
1/4	8.18	1/4	281.97	1/4	579.22	1/4	872.36	1/4	1,167.52	1/4	1,464.58	1/4	1,761.29	1/4	2,058.53	1/4	2,355.75	1/4	2,652.98
1/2	10.25	1/2	288.16	1/2	585.41	1/2	878.40	1/2	1,173.71	1/2	1,470.76	1/2	1,767.48	1/2	2,064.72	1/2	2,361.94	1/2	2,659.17
3/4	12.32	3/4	294.35	3/4	591.60	3/4	884.44	3/4	1,179.90	3/4	1,476.93	3/4	1,773.67	3/4	2,070.91	3/4	2,368.14	3/4	2,665.37
1	14.38	1	300.55	1	597.80	1	890.48	1	1,186.09	1	1,483.11	1	1,779.86	1	2,077.10	1	2,374.33	1	2,671.56
1/4	18.52	1/4	306.74	1/4	603.99	1/4	896.52	1/4	1,192.28	1/4	1,489.29	1/4	1,786.06	1/4	2,083.30	1/4	2,380.52	1/4	2,677.75
1/2	22.65	1/2	312.93	1/2	610.18	1/2	902.56	1/2	1,198.47	1/2	1,495.47	1/2	1,792.25	1/2	2,089.49	1/2	2,386.71	1/2	2,683.94
3/4	26.78	3/4	319.12	3/4	616.38	3/4	908.60	3/4	1,204.66	3/4	1,501.65	3/4	1,798.44	3/4	2,095.68	3/4	2,392.90	3/4	2,690.14
2	30.91	2	325.32	2	622.57	2	914.64	2	1,210.85	2	1,507.82	2	1,804.63	2	2,101.87	2	2,399.10	2	2,696.33
1/4	36.53	1/4	331.51	1/4	628.76	1/4	920.69	1/4	1,217.04	1/4	1,514.00	1/4	1,810.83	1/4	2,108.07	1/4	2,405.29	1/4	2,702.52
1/2	42.15	1/2	337.70	1/2	634.95	1/2	926.73	1/2	1,223.23	1/2	1,520.18	1/2	1,817.02	1/2	2,114.26	1/2	2,411.48	1/2	2,708.71
3/4	47.77	3/4	343.90	3/4	641.15	3/4	932.77	3/4	1,229.42	3/4	1,526.36	3/4	1,823.21	3/4	2,120.45	3/4	2,417.67	3/4	2,714.91
3	53.39	3	350.09	3	647.34	3	938.81	3	1,235.61	3	1,532.54	3	1,829.40	3	2,126.64	3	2,423.86	3	2,721.10
1/4	59.49	1/4	356.28	1/4	653.53	1/4	944.93	1/4	1,241.79	1/4	1,538.72	1/4	1,835.60	1/4	2,132.84	1/4	2,430.05	1/4	2,727.29
1/2	65.60	1/2	362.47	1/2	659.72	1/2	951.04	1/2	1,247.98	1/2	1,544.89	1/2	1,841.79	1/2	2,139.03	1/2	2,436.25	1/2	2,733.48
3/4	71.70	3/4	368.67	3/4	665.92	3/4	957.16	3/4	1,254.17	3/4	1,551.07	3/4	1,847.98	3/4	2,145.22	3/4	2,442.44	3/4	2,739.68
4	77.81	4	374.86	4	672.11	4	963.27	4	1,260.36	4	1,557.25	4	1,854.17	4	2,151.41	4	2,448.63	4	2,745.87
1/4	83.95	1/4	381.05	1/4	678.30	1/4	969.46	1/4	1,266.55	1/4	1,563.43	1/4	1,860.37	1/4	2,157.61	1/4	2,454.82	1/4	2,752.06
1/2	90.10	1/2	387.25	1/2	684.49	1/2	975.65	1/2	1,272.74	1/2	1,569.61	1/2	1,866.56	1/2	2,163.80	1/2	2,461.01	1/2	2,758.25
3/4	96.25	3/4	393.44	3/4	690.69	3/4	981.84	3/4	1,278.93	3/4	1,575.78	3/4	1,872.75	3/4	2,169.99	3/4	2,467.21	3/4	2,764.45
5	102.40	5	399.63	5	696.88	5	988.03	5	1,285.12	5	1,581.96	5	1,878.94	5	2,176.18	5	2,473.40	5	2,770.64
1/4	108.58	1/4	405.82	1/4	703.00	1/4	994.22	1/4	1,291.31	1/4	1,588.14	1/4	1,885.14	1/4	2,182.38	1/4	2,479.59	1/4	2,776.83
1/2	114.75	1/2	412.02	1/2	709.11	1/2	1,000.41	1/2	1,297.50	1/2	1,594.32	1/2	1,891.33	1/2	2,188.57	1/2	2,485.78	1/2	2,783.02
3/4	120.93	3/4	418.21	3/4	715.23	3/4	1,006.60	3/4	1,303.69	3/4	1,600.50	3/4	1,897.52	3/4	2,194.76	3/4	2,491.98	3/4	2,789.22
6	127.10	6	424.40	6	721.35	6	1,012.79	6	1,309.88	6	1,606.67	6	1,903.71	6	2,200.95	6	2,498.17	6	2,795.41
1/4	133.29	1/4	430.59	1/4	727.39	1/4	1,018.98	1/4	1,316.07	1/4	1,612.85	1/4	1,909.91	1/4	2,207.15	1/4	2,504.36	1/4	2,801.60
1/2	139.48	1/2	436.79	1/2	733.43	1/2	1,025.17	1/2	1,322.26	1/2	1,619.03	1/2	1,916.10	1/2	2,213.34	1/2	2,510.55	1/2	2,807.79
3/4	145.67	3/4	442.98	3/4	739.47	3/4	1,031.35	3/4	1,328.45	3/4	1,625.21	3/4	1,922.29	3/4	2,219.53	3/4	2,516.75	3/4	2,813.99
7	151.86	7	449.17	7	745.51	7	1,037.54	7	1,334.64	7	1,631.39	7	1,928.48	7	2,225.72	7	2,522.94	7	2,820.18
1/4	158.06	1/4	455.36	1/4	751.55	1/4	1,043.73	1/4	1,340.82	1/4	1,637.56	1/4	1,934.68	1/4	2,231.92	1/4	2,529.13	1/4	2,826.37
1/2	164.25	1/2	461.56	1/2	757.59	1/2	1,049.92	1/2	1,347.01	1/2	1,643.74	1/2	1,940.87	1/2	2,238.11	1/2	2,535.32	1/2	2,832.56
3/4	170.44	3/4	467.75	3/4	763.63	3/4	1,056.11	3/4	1,353.20	3/4	1,649.92	3/4	1,947.06	3/4	2,244.30	3/4	2,541.52	3/4	2,838.76
8	176.64	8	473.94	8	769.67	8	1,062.30	8	1,359.39	8	1,656.10	8	1,953.25	8	2,250.49	8	2,547.71	8	2,844.95
1/4	182.83	1/4	480.14	1/4	775.71	1/4	1,068.49	1/4	1,365.58	1/4	1,662.28	1/4	1,959.45	1/4	2,256.69	1/4	2,553.90	1/4	2,851.14
1/2	189.03	1/2	486.33	1/2	781.75	1/2	1,074.68	1/2	1,371.77	1/2	1,668.46	1/2	1,965.64	1/2	2,262.88	1/2	2,560.09	1/2	2,857.33
3/4	195.23	3/4	492.52	3/4	787.79	3/4	1,080.87	3/4	1,377.96	3/4	1,674.63	3/4	1,971.83	3/4	2,269.07	3/4	2,566.29	3/4	2,863.53
9	201.42	9	498.71	9	793.83	9	1,087.06	9	1,384.15	9	1,680.81	9	1,978.02	9	2,275.26	9	2,572.48	9	2,869.72
1/4	207.62	1/4	504.91	1/4	799.87	1/4	1,093.25	1/4	1,390.34	1/4	1,687.00	1/4	1,984.22	1/4	2,281.45	1/4	2,578.67	1/4	2,875.91
1/2	213.82	1/2	511.10	1/2	805.91	1/2	1,099.44	1/2	1,396.53	1/2	1,693.18	1/2	1,990.41	1/2	2,287.64	1/2	2,584.86	1/2	2,881.19
3/4	220.02	3/4	517.29	3/4	811.95	3/4	1,105.63	3/4	1,402.72	3/4	1,699.37	3/4	1,996.60	3/4	2,293.83	3/4	2,591.06	3/4	2,886.93
10	226.22	10	523.48	10	817.99	10	1,111.82	10	1,408.91	10	1,705.55	10	2,002.79	10	2,300.03	10	2,597.25	10	2,892.67
1/4	232.42	1/4	529.68	1/4	824.03	1/4	1,118.01	1/4	1,415.10	1/4	1,711.75	1/4	2,008.99	1/4	2,306.22	1/4	2,603.44	1/4	2,897.96
1/2	238.61	1/2	535.87	1/2	830.07	1/2	1,124.20	1/2	1,421.29	1/2	1,717.94	1/2	2,015.18	1/2	2,312.41	1/2	2,609.63	1/2	2,903.25
3/4	244.81	3/4	542.06	3/4	836.11	3/4	1,130.39	3/4	1,427.48	3/4	1,724.13	3/4	2,021.37	3/4	2,318.60	3/4	2,615.83	3/4	2,908.54
11	251.00	11	548.26	11	842.16	11	1,136.57	11	1,433.67	11	1,730.32	11	2,027.56	11	2,324.79	11	2,622.02	11	2,913.83
1/4	257.20	1/4	554.45	1/4	848.20	1/4	1,142.76	1/4	1,439.85	1/4	1,736.52	1/4	2,033.76	1/4	2,330.99	1/4	2,628.21	1/4	2,919.13
1/2	263.39	1/2	560.64	1/2	854.24	1/2	1,148.95	1/2	1,446.03	1/2	1,742.71	1/2	2,039.95	1/2	2,337.18	1/2	2,634.40	1/2	2,924.43
3/4	269.58	3/4	566.83	3/4	860.28	3/4	1,155.14	3/4	1,452.22	3/4	1,748.90	3/4	2,046.14	3/4	2,343.37	3/4	2,640.60	3/4	2,929.72

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 30'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
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BARGE "IB 1109"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-02 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,935.02	0	3,189.26	0	3,443.50	0	3,697.74	0	3,950.59	0		0		0		0		0	
1/4	2,940.32	1/4	3,194.56	1/4	3,448.80	1/4	3,703.04	1/4	3,954.29	1/4		1/4		1/4		1/4		1/4	
1/2	2,945.61	1/2	3,199.85	1/2	3,454.10	1/2	3,708.34	1/2	3,957.99	1/2		1/2		1/2		1/2		1/2	
3/4	2,950.91	3/4	3,205.15	3/4	3,459.39	3/4	3,713.63	3/4	3,961.69	3/4		3/4		3/4		3/4		3/4	
1	2,956.21	1	3,210.45	1	3,464.69	1	3,718.93	1	3,965.40	1		1		1		1		1	
1/4	2,961.50	1/4	3,215.74	1/4	3,469.99	1/4	3,724.23	1/4	3,967.53	1/4		1/4		1/4		1/4		1/4	
1/2	2,966.80	1/2	3,221.04	1/2	3,475.28	1/2	3,729.52	1/2	3,969.66	1/2		1/2		1/2		1/2		1/2	
3/4	2,972.10	3/4	3,226.34	3/4	3,480.58	3/4	3,734.82	3/4	3,971.79	3/4		3/4		3/4		3/4		3/4	
2	2,977.39	2	3,231.63	2	3,485.88	2	3,740.12	2	3,973.92	2		2		2		2		2	
1/4	2,982.69	1/4	3,236.93	1/4	3,491.17	1/4	3,745.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,987.99	1/2	3,242.23	1/2	3,496.47	1/2	3,750.71	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,993.28	3/4	3,247.52	3/4	3,501.77	3/4	3,756.01	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,998.58	3	3,252.82	3	3,507.06	3	3,761.30	3		3		3		3		3		3	
1/4	3,003.88	1/4	3,258.12	1/4	3,512.36	1/4	3,766.60	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,009.17	1/2	3,263.41	1/2	3,517.66	1/2	3,771.90	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,014.47	3/4	3,268.71	3/4	3,522.95	3/4	3,777.19	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,019.77	4	3,274.01	4	3,528.25	4	3,782.49	4		4		4		4		4		4	
1/4	3,025.06	1/4	3,279.30	1/4	3,533.55	1/4	3,787.79	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,030.36	1/2	3,284.60	1/2	3,538.84	1/2	3,793.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,035.66	3/4	3,289.90	3/4	3,544.14	3/4	3,798.38	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,040.95	5	3,295.20	5	3,549.44	5	3,803.68	5		5		5		5		5		5	
1/4	3,046.25	1/4	3,300.49	1/4	3,554.73	1/4	3,808.97	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,051.55	1/2	3,305.79	1/2	3,560.03	1/2	3,814.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,056.84	3/4	3,311.09	3/4	3,565.33	3/4	3,819.57	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,062.14	6	3,316.38	6	3,570.62	6	3,824.87	6		6		6		6		6		6	
1/4	3,067.44	1/4	3,321.68	1/4	3,575.92	1/4	3,830.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,072.73	1/2	3,326.98	1/2	3,581.22	1/2	3,835.46	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,078.03	3/4	3,332.27	3/4	3,586.51	3/4	3,840.76	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,083.33	7	3,337.57	7	3,591.81	7	3,846.05	7		7		7		7		7		7	
1/4	3,088.62	1/4	3,342.87	1/4	3,597.11	1/4	3,851.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,093.92	1/2	3,348.16	1/2	3,602.40	1/2	3,856.65	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,099.22	3/4	3,353.46	3/4	3,607.70	3/4	3,861.94	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,104.51	8	3,358.76	8	3,613.00	8	3,867.24	8		8		8		8		8		8	
1/4	3,109.81	1/4	3,364.05	1/4	3,618.29	1/4	3,872.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,115.11	1/2	3,369.35	1/2	3,623.59	1/2	3,877.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,120.40	3/4	3,374.65	3/4	3,628.89	3/4	3,883.12	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,125.70	9	3,379.94	9	3,634.18	9	3,888.42	9		9		9		9		9		9	
1/4	3,131.00	1/4	3,385.24	1/4	3,639.48	1/4	3,893.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,136.29	1/2	3,390.54	1/2	3,644.78	1/2	3,899.00	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,141.59	3/4	3,395.83	3/4	3,650.07	3/4	3,904.29	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,146.89	10	3,401.13	10	3,655.37	10	3,909.59	10		10		10		10		10		10	
1/4	3,152.18	1/4	3,406.43	1/4	3,660.67	1/4	3,914.86	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,157.48	1/2	3,411.72	1/2	3,665.96	1/2	3,920.13	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,162.78	3/4	3,417.02	3/4	3,671.26	3/4	3,925.41	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,168.07	11	3,422.32	11	3,676.56	11	3,930.68	11		11		11		11		11		11	
1/4	3,173.37	1/4	3,427.61	1/4	3,681.85	1/4	3,935.66	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,178.67	1/2	3,432.91	1/2	3,687.15	1/2	3,940.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,183.96	3/4	3,438.21	3/4	3,692.45	3/4	3,945.61	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/22/2018 CL
CALCULATED: 05/23/2018 CL
PRINTED: 05/23/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2018

PRECISION MEASUREMENT
& ANALYSIS, INC.
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<http://www.pmacorp.net>



BARGE "IB 1109"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-02"

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	240.92	0	504.12	0	763.43	0	1,024.55	0	1,287.76	0	1,550.98	0	1,814.19	0	2,077.40	0	2,340.61
1/4	4.28	1/4	246.40	1/4	509.61	1/4	768.76	1/4	1,030.03	1/4	1,293.25	1/4	1,556.46	1/4	1,819.67	1/4	2,082.88	1/4	2,346.10
1/2	6.11	1/2	251.89	1/2	515.09	1/2	774.09	1/2	1,035.52	1/2	1,298.73	1/2	1,561.94	1/2	1,825.16	1/2	2,088.37	1/2	2,351.58
3/4	7.94	3/4	257.37	3/4	520.57	3/4	779.43	3/4	1,041.00	3/4	1,304.21	3/4	1,567.43	3/4	1,830.64	3/4	2,093.85	3/4	2,357.06
1	9.76	1	262.85	1	526.06	1	784.76	1	1,046.48	1	1,309.70	1	1,572.91	1	1,836.12	1	2,099.34	1	2,362.55
1/4	13.42	1/4	268.34	1/4	531.54	1/4	790.09	1/4	1,051.97	1/4	1,315.18	1/4	1,578.39	1/4	1,841.61	1/4	2,104.82	1/4	2,368.03
1/2	17.07	1/2	273.82	1/2	537.02	1/2	795.43	1/2	1,057.45	1/2	1,320.66	1/2	1,583.88	1/2	1,847.09	1/2	2,110.30	1/2	2,373.52
3/4	20.72	3/4	279.30	3/4	542.51	3/4	800.76	3/4	1,062.93	3/4	1,326.15	3/4	1,589.36	3/4	1,852.57	3/4	2,115.79	3/4	2,379.00
2	24.37	2	284.79	2	547.99	2	806.10	2	1,068.42	2	1,331.63	2	1,594.84	2	1,858.06	2	2,121.27	2	2,384.48
1/4	29.34	1/4	290.27	1/4	553.47	1/4	811.43	1/4	1,073.90	1/4	1,337.11	1/4	1,600.33	1/4	1,863.54	1/4	2,126.75	1/4	2,389.97
1/2	34.30	1/2	295.75	1/2	558.96	1/2	816.77	1/2	1,079.39	1/2	1,342.60	1/2	1,605.81	1/2	1,869.02	1/2	2,132.24	1/2	2,395.45
3/4	39.27	3/4	301.24	3/4	564.44	3/4	822.10	3/4	1,084.87	3/4	1,348.08	3/4	1,611.29	3/4	1,874.51	3/4	2,137.72	3/4	2,400.93
3	44.23	3	306.72	3	569.92	3	827.44	3	1,090.35	3	1,353.57	3	1,616.78	3	1,879.99	3	2,143.20	3	2,406.42
1/4	49.63	1/4	312.20	1/4	575.41	1/4	832.85	1/4	1,095.84	1/4	1,359.05	1/4	1,622.26	1/4	1,885.47	1/4	2,148.69	1/4	2,411.90
1/2	55.02	1/2	317.69	1/2	580.89	1/2	838.26	1/2	1,101.32	1/2	1,364.53	1/2	1,627.75	1/2	1,890.96	1/2	2,154.17	1/2	2,417.38
3/4	60.42	3/4	323.17	3/4	586.37	3/4	843.67	3/4	1,106.80	3/4	1,370.02	3/4	1,633.23	3/4	1,896.44	3/4	2,159.65	3/4	2,422.87
4	65.81	4	328.65	4	591.86	4	849.07	4	1,112.29	4	1,375.50	4	1,638.71	4	1,901.93	4	2,165.14	4	2,428.35
1/4	71.25	1/4	334.14	1/4	597.34	1/4	854.56	1/4	1,117.77	1/4	1,380.98	1/4	1,644.20	1/4	1,907.41	1/4	2,170.62	1/4	2,433.83
1/2	76.68	1/2	339.62	1/2	602.82	1/2	860.04	1/2	1,123.25	1/2	1,386.47	1/2	1,649.68	1/2	1,912.89	1/2	2,176.11	1/2	2,439.32
3/4	82.12	3/4	345.11	3/4	608.31	3/4	865.53	3/4	1,128.74	3/4	1,391.95	3/4	1,655.16	3/4	1,918.38	3/4	2,181.59	3/4	2,444.80
5	87.55	5	350.59	5	613.79	5	871.01	5	1,134.22	5	1,397.43	5	1,660.65	5	1,923.86	5	2,187.07	5	2,450.29
1/4	93.01	1/4	356.07	1/4	619.20	1/4	876.49	1/4	1,139.71	1/4	1,402.92	1/4	1,666.13	1/4	1,929.34	1/4	2,192.56	1/4	2,455.77
1/2	98.47	1/2	361.56	1/2	624.61	1/2	881.98	1/2	1,145.19	1/2	1,408.40	1/2	1,671.61	1/2	1,934.83	1/2	2,198.04	1/2	2,461.25
3/4	103.92	3/4	367.04	3/4	630.02	3/4	887.46	3/4	1,150.67	3/4	1,413.89	3/4	1,677.10	3/4	1,940.31	3/4	2,203.52	3/4	2,466.74
6	109.38	6	372.52	6	635.42	6	892.94	6	1,156.16	6	1,419.37	6	1,682.58	6	1,945.79	6	2,209.01	6	2,472.22
1/4	114.85	1/4	378.01	1/4	640.76	1/4	898.43	1/4	1,161.64	1/4	1,424.85	1/4	1,688.07	1/4	1,951.28	1/4	2,214.49	1/4	2,477.70
1/2	120.33	1/2	383.49	1/2	646.09	1/2	903.91	1/2	1,167.12	1/2	1,430.34	1/2	1,693.55	1/2	1,956.76	1/2	2,219.97	1/2	2,483.19
3/4	125.80	3/4	388.97	3/4	651.42	3/4	909.39	3/4	1,172.61	3/4	1,435.82	3/4	1,699.03	3/4	1,962.25	3/4	2,225.46	3/4	2,488.67
7	131.27	7	394.46	7	656.76	7	914.88	7	1,178.09	7	1,441.30	7	1,704.52	7	1,967.73	7	2,230.94	7	2,494.15
1/4	136.75	1/4	399.94	1/4	662.09	1/4	920.36	1/4	1,183.57	1/4	1,446.79	1/4	1,710.00	1/4	1,973.21	1/4	2,236.43	1/4	2,499.64
1/2	142.23	1/2	405.42	1/2	667.42	1/2	925.84	1/2	1,189.06	1/2	1,452.27	1/2	1,715.48	1/2	1,978.70	1/2	2,241.91	1/2	2,505.12
3/4	147.71	3/4	410.91	3/4	672.76	3/4	931.33	3/4	1,194.54	3/4	1,457.75	3/4	1,720.97	3/4	1,984.18	3/4	2,247.39	3/4	2,510.61
8	153.19	8	416.39	8	678.09	8	936.81	8	1,200.02	8	1,463.24	8	1,726.45	8	1,989.66	8	2,252.88	8	2,516.09
1/4	158.67	1/4	421.87	1/4	683.43	1/4	942.30	1/4	1,205.51	1/4	1,468.72	1/4	1,731.93	1/4	1,995.15	1/4	2,258.36	1/4	2,521.57
1/2	164.16	1/2	427.36	1/2	688.76	1/2	947.78	1/2	1,210.99	1/2	1,474.20	1/2	1,737.42	1/2	2,000.63	1/2	2,263.84	1/2	2,527.06
3/4	169.64	3/4	432.84	3/4	694.09	3/4	953.26	3/4	1,216.48	3/4	1,479.69	3/4	1,742.90	3/4	2,006.11	3/4	2,269.33	3/4	2,532.54
9	175.12	9	438.32	9	699.43	9	958.75	9	1,221.96	9	1,485.17	9	1,748.38	9	2,011.60	9	2,274.81	9	2,538.02
1/4	180.60	1/4	443.81	1/4	704.76	1/4	964.23	1/4	1,227.44	1/4	1,490.66	1/4	1,753.87	1/4	2,017.08	1/4	2,280.29	1/4	2,543.51
1/2	186.09	1/2	449.29	1/2	710.09	1/2	969.71	1/2	1,232.93	1/2	1,496.14	1/2	1,759.35	1/2	2,022.56	1/2	2,285.78	1/2	2,548.99
3/4	191.57	3/4	454.77	3/4	715.43	3/4	975.20	3/4	1,238.41	3/4	1,501.62	3/4	1,764.84	3/4	2,028.05	3/4	2,291.26	3/4	2,554.47
10	197.05	10	460.26	10	720.76	10	980.68	10	1,243.89	10	1,507.11	10	1,770.32	10	2,033.53	10	2,296.74	10	2,559.96
1/4	202.54	1/4	465.74	1/4	726.09	1/4	986.16	1/4	1,249.38	1/4	1,512.59	1/4	1,775.80	1/4	2,039.02	1/4	2,302.23	1/4	2,565.44
1/2	208.02	1/2	471.22	1/2	731.43	1/2	991.65	1/2	1,254.86	1/2	1,518.07	1/2	1,781.29	1/2	2,044.50	1/2	2,307.71	1/2	2,570.92
3/4	213.50	3/4	476.71	3/4	736.76	3/4	997.13	3/4	1,260.34	3/4	1,523.56	3/4	1,786.77	3/4	2,049.98	3/4	2,313.20	3/4	2,576.41
11	218.99	11	482.19	11	742.09	11	1,002.62	11	1,265.83	11	1,529.04	11	1,792.25	11	2,055.47	11	2,318.68	11	2,581.89
1/4	224.47	1/4	487.67	1/4	747.43	1/4	1,008.10	1/4	1,271.31	1/4	1,534.52	1/4	1,797.74	1/4	2,060.95	1/4	2,324.16	1/4	2,587.38
1/2	229.95	1/2	493.16	1/2	752.76	1/2	1,013.58	1/2	1,276.80	1/2	1,540.01	1/2	1,803.22	1/2	2,066.43	1/2	2,329.65	1/2	2,592.86
3/4	235.44	3/4	498.64	3/4	758.09	3/4	1,019.07	3/4	1,282.28	3/4	1,545.49	3/4	1,808.70	3/4	2,071.92	3/4	2,335.13	3/4	2,598.34

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'-03" FORWARD OF AFT BULKHEAD

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



BARGE "IB 1109"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-02"

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	2,603.83	0	2,867.04	0	3,130.25	0	3,393.46	0	3,655.44	0		0		0		0		0	
1/4	2,609.31	1/4	2,872.52	1/4	3,135.74	1/4	3,398.95	1/4	3,659.52	1/4		1/4		1/4		1/4		1/4	
1/2	2,614.79	1/2	2,878.01	1/2	3,141.22	1/2	3,404.43	1/2	3,663.59	1/2		1/2		1/2		1/2		1/2	
3/4	2,620.28	3/4	2,883.49	3/4	3,146.70	3/4	3,409.92	3/4	3,667.67	3/4		3/4		3/4		3/4		3/4	
1	2,625.76	1	2,888.97	1	3,152.19	1	3,415.40	1	3,671.74	1		1		1		1		1	
1/4	2,631.24	1/4	2,894.46	1/4	3,157.67	1/4	3,420.88	1/4	3,674.03	1/4		1/4		1/4		1/4		1/4	
1/2	2,636.73	1/2	2,899.94	1/2	3,163.15	1/2	3,426.37	1/2	3,676.31	1/2		1/2		1/2		1/2		1/2	
3/4	2,642.21	3/4	2,905.42	3/4	3,168.64	3/4	3,431.85	3/4	3,678.60	3/4		3/4		3/4		3/4		3/4	
2	2,647.70	2	2,910.91	2	3,174.12	2	3,437.33	2	3,680.88	2		2		2		2		2	
1/4	2,653.18	1/4	2,916.39	1/4	3,179.60	1/4	3,442.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,658.66	1/2	2,921.88	1/2	3,185.09	1/2	3,448.30	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,664.15	3/4	2,927.36	3/4	3,190.57	3/4	3,453.78	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,669.63	3	2,932.84	3	3,196.06	3	3,459.27	3		3		3		3		3		3	
1/4	2,675.11	1/4	2,938.33	1/4	3,201.54	1/4	3,464.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,680.60	1/2	2,943.81	1/2	3,207.02	1/2	3,470.24	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,686.08	3/4	2,949.29	3/4	3,212.51	3/4	3,475.72	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,691.56	4	2,954.78	4	3,217.99	4	3,481.20	4		4		4		4		4		4	
1/4	2,697.05	1/4	2,960.26	1/4	3,223.47	1/4	3,486.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,702.53	1/2	2,965.74	1/2	3,228.96	1/2	3,492.17	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,708.01	3/4	2,971.23	3/4	3,234.44	3/4	3,497.65	3/4		3/4		3/4		3/4		3/4		3/4	
5	2,713.50	5	2,976.71	5	3,239.92	5	3,503.14	5		5		5		5		5		5	
1/4	2,718.98	1/4	2,982.19	1/4	3,245.41	1/4	3,508.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,724.47	1/2	2,987.68	1/2	3,250.89	1/2	3,514.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,729.95	3/4	2,993.16	3/4	3,256.37	3/4	3,519.59	3/4		3/4		3/4		3/4		3/4		3/4	
6	2,735.43	6	2,998.65	6	3,261.86	6	3,525.07	6		6		6		6		6		6	
1/4	2,740.92	1/4	3,004.13	1/4	3,267.34	1/4	3,530.55	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,746.40	1/2	3,009.61	1/2	3,272.83	1/2	3,536.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,751.88	3/4	3,015.10	3/4	3,278.31	3/4	3,541.52	3/4		3/4		3/4		3/4		3/4		3/4	
7	2,757.37	7	3,020.58	7	3,283.79	7	3,547.01	7		7		7		7		7		7	
1/4	2,762.85	1/4	3,026.06	1/4	3,289.28	1/4	3,552.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,768.33	1/2	3,031.55	1/2	3,294.76	1/2	3,557.97	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,773.82	3/4	3,037.03	3/4	3,300.24	3/4	3,563.46	3/4		3/4		3/4		3/4		3/4		3/4	
8	2,779.30	8	3,042.51	8	3,305.73	8	3,568.94	8		8		8		8		8		8	
1/4	2,784.79	1/4	3,048.00	1/4	3,311.21	1/4	3,574.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,790.27	1/2	3,053.48	1/2	3,316.69	1/2	3,579.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,795.75	3/4	3,058.97	3/4	3,322.18	3/4	3,585.39	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,801.24	9	3,064.45	9	3,327.66	9	3,590.87	9		9		9		9		9		9	
1/4	2,806.72	1/4	3,069.93	1/4	3,333.15	1/4	3,596.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,812.20	1/2	3,075.42	1/2	3,338.63	1/2	3,601.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,817.69	3/4	3,080.90	3/4	3,344.11	3/4	3,607.31	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,823.17	10	3,086.38	10	3,349.60	10	3,612.79	10		10		10		10		10		10	
1/4	2,828.65	1/4	3,091.87	1/4	3,355.08	1/4	3,618.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,834.14	1/2	3,097.35	1/2	3,360.56	1/2	3,623.72	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,839.62	3/4	3,102.83	3/4	3,366.05	3/4	3,629.18	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,845.10	11	3,108.32	11	3,371.53	11	3,634.64	11		11		11		11		11		11	
1/4	2,850.59	1/4	3,113.80	1/4	3,377.01	1/4	3,639.84	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,856.07	1/2	3,119.28	1/2	3,382.50	1/2	3,645.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,861.56	3/4	3,124.77	3/4	3,387.98	3/4	3,650.24	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/22/2018 CL
CALCULATED: 05/23/2018 CL
PRINTED: 05/23/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2018

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "IB 1109"

3 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	2.44	0	238.85	0	499.77	0	760.43	0	1,021.23	0	1,282.17	0	1,543.12	0	1,804.06	0	2,065.00	0	2,325.94
1/4	4.25	1/4	244.28	1/4	505.21	1/4	765.85	1/4	1,026.67	1/4	1,287.61	1/4	1,548.55	1/4	1,809.49	1/4	2,070.44	1/4	2,331.38
1/2	6.06	1/2	249.72	1/2	510.65	1/2	771.28	1/2	1,032.10	1/2	1,293.05	1/2	1,553.99	1/2	1,814.93	1/2	2,075.87	1/2	2,336.82
3/4	7.87	3/4	255.15	3/4	516.08	3/4	776.70	3/4	1,037.54	3/4	1,298.48	3/4	1,559.42	3/4	1,820.37	3/4	2,081.31	3/4	2,342.25
1	9.69	1	260.59	1	521.52	1	782.13	1	1,042.98	1	1,303.92	1	1,564.86	1	1,825.80	1	2,086.75	1	2,347.69
1/4	13.31	1/4	266.03	1/4	526.95	1/4	787.56	1/4	1,048.41	1/4	1,309.36	1/4	1,570.30	1/4	1,831.24	1/4	2,092.18	1/4	2,353.12
1/2	16.93	1/2	271.46	1/2	532.39	1/2	792.98	1/2	1,053.85	1/2	1,314.79	1/2	1,575.73	1/2	1,836.68	1/2	2,097.62	1/2	2,358.56
3/4	20.55	3/4	276.90	3/4	537.83	3/4	798.41	3/4	1,059.29	3/4	1,320.23	3/4	1,581.17	3/4	1,842.11	3/4	2,103.05	3/4	2,364.00
2	24.17	2	282.33	2	543.26	2	803.84	2	1,064.72	2	1,325.66	2	1,586.61	2	1,847.55	2	2,108.49	2	2,369.43
1/4	29.09	1/4	287.77	1/4	548.70	1/4	809.26	1/4	1,070.16	1/4	1,331.10	1/4	1,592.04	1/4	1,852.99	1/4	2,113.93	1/4	2,374.87
1/2	34.01	1/2	293.21	1/2	554.13	1/2	814.69	1/2	1,075.59	1/2	1,336.54	1/2	1,597.48	1/2	1,858.42	1/2	2,119.36	1/2	2,380.31
3/4	38.93	3/4	298.64	3/4	559.57	3/4	820.12	3/4	1,081.03	3/4	1,341.97	3/4	1,602.92	3/4	1,863.86	3/4	2,124.80	3/4	2,385.74
3	43.86	3	304.08	3	565.01	3	825.54	3	1,086.47	3	1,347.41	3	1,608.35	3	1,869.29	3	2,130.24	3	2,391.18
1/4	49.21	1/4	309.51	1/4	570.44	1/4	830.98	1/4	1,091.90	1/4	1,352.85	1/4	1,613.79	1/4	1,874.73	1/4	2,135.67	1/4	2,396.62
1/2	54.55	1/2	314.95	1/2	575.88	1/2	836.41	1/2	1,097.34	1/2	1,358.28	1/2	1,619.22	1/2	1,880.17	1/2	2,141.11	1/2	2,402.05
3/4	59.90	3/4	320.39	3/4	581.31	3/4	841.84	3/4	1,102.78	3/4	1,363.72	3/4	1,624.66	3/4	1,885.60	3/4	2,146.55	3/4	2,407.49
4	65.25	4	325.82	4	586.75	4	847.27	4	1,108.21	4	1,369.15	4	1,630.10	4	1,891.04	4	2,151.98	4	2,412.92
1/4	70.64	1/4	331.26	1/4	592.19	1/4	852.71	1/4	1,113.65	1/4	1,374.59	1/4	1,635.53	1/4	1,896.48	1/4	2,157.42	1/4	2,418.36
1/2	76.03	1/2	336.69	1/2	597.62	1/2	858.14	1/2	1,119.08	1/2	1,380.03	1/2	1,640.97	1/2	1,901.91	1/2	2,162.85	1/2	2,423.80
3/4	81.41	3/4	342.13	3/4	603.06	3/4	863.58	3/4	1,124.52	3/4	1,385.46	3/4	1,646.41	3/4	1,907.35	3/4	2,168.29	3/4	2,429.23
5	86.80	5	347.57	5	608.49	5	869.01	5	1,129.96	5	1,390.90	5	1,651.84	5	1,912.78	5	2,173.73	5	2,434.67
1/4	92.21	1/4	353.00	1/4	613.92	1/4	874.45	1/4	1,135.39	1/4	1,396.34	1/4	1,657.28	1/4	1,918.22	1/4	2,179.16	1/4	2,440.11
1/2	97.62	1/2	358.44	1/2	619.36	1/2	879.89	1/2	1,140.83	1/2	1,401.77	1/2	1,662.71	1/2	1,923.66	1/2	2,184.60	1/2	2,445.54
3/4	103.03	3/4	363.87	3/4	624.79	3/4	885.32	3/4	1,146.27	3/4	1,407.21	3/4	1,668.15	3/4	1,929.09	3/4	2,190.04	3/4	2,450.98
6	108.44	6	369.31	6	630.22	6	890.76	6	1,151.70	6	1,412.64	6	1,673.59	6	1,934.53	6	2,195.47	6	2,456.41
1/4	113.87	1/4	374.75	1/4	635.64	1/4	896.20	1/4	1,157.14	1/4	1,418.08	1/4	1,679.02	1/4	1,939.97	1/4	2,200.91	1/4	2,461.85
1/2	119.29	1/2	380.18	1/2	641.07	1/2	901.63	1/2	1,162.58	1/2	1,423.52	1/2	1,684.46	1/2	1,945.40	1/2	2,206.34	1/2	2,467.29
3/4	124.72	3/4	385.62	3/4	646.50	3/4	907.07	3/4	1,168.01	3/4	1,428.95	3/4	1,689.90	3/4	1,950.84	3/4	2,211.78	3/4	2,472.72
7	130.14	7	391.05	7	651.92	7	912.51	7	1,173.45	7	1,434.39	7	1,695.33	7	1,956.27	7	2,217.22	7	2,478.16
1/4	135.57	1/4	396.49	1/4	657.35	1/4	917.94	1/4	1,178.88	1/4	1,439.83	1/4	1,700.77	1/4	1,961.71	1/4	2,222.65	1/4	2,483.60
1/2	141.01	1/2	401.93	1/2	662.77	1/2	923.38	1/2	1,184.32	1/2	1,445.26	1/2	1,706.21	1/2	1,967.15	1/2	2,228.09	1/2	2,489.03
3/4	146.44	3/4	407.36	3/4	668.20	3/4	928.81	3/4	1,189.76	3/4	1,450.70	3/4	1,711.64	3/4	1,972.58	3/4	2,233.53	3/4	2,494.47
8	151.87	8	412.80	8	673.62	8	934.25	8	1,195.19	8	1,456.14	8	1,717.08	8	1,978.02	8	2,238.96	8	2,499.90
1/4	157.31	1/4	418.23	1/4	679.05	1/4	939.69	1/4	1,200.63	1/4	1,461.57	1/4	1,722.51	1/4	1,983.46	1/4	2,244.40	1/4	2,505.34
1/2	162.74	1/2	423.67	1/2	684.47	1/2	945.12	1/2	1,206.07	1/2	1,467.01	1/2	1,727.95	1/2	1,988.89	1/2	2,249.84	1/2	2,510.78
3/4	168.18	3/4	429.11	3/4	689.90	3/4	950.56	3/4	1,211.50	3/4	1,472.44	3/4	1,733.39	3/4	1,994.33	3/4	2,255.27	3/4	2,516.21
9	173.61	9	434.54	9	695.32	9	956.00	9	1,216.94	9	1,477.88	9	1,738.82	9	1,999.77	9	2,260.71	9	2,521.65
1/4	179.05	1/4	439.98	1/4	700.75	1/4	961.43	1/4	1,222.37	1/4	1,483.32	1/4	1,744.26	1/4	2,005.20	1/4	2,266.14	1/4	2,527.09
1/2	184.49	1/2	445.41	1/2	706.17	1/2	966.87	1/2	1,227.81	1/2	1,488.75	1/2	1,749.70	1/2	2,010.64	1/2	2,271.58	1/2	2,532.52
3/4	189.92	3/4	450.85	3/4	711.60	3/4	972.30	3/4	1,233.25	3/4	1,494.19	3/4	1,755.13	3/4	2,016.07	3/4	2,277.02	3/4	2,537.96
10	195.36	10	456.29	10	717.03	10	977.74	10	1,238.68	10	1,499.63	10	1,760.57	10	2,021.51	10	2,282.45	10	2,543.40
1/4	200.79	1/4	461.72	1/4	722.45	1/4	983.18	1/4	1,244.12	1/4	1,505.06	1/4	1,766.00	1/4	2,026.95	1/4	2,287.89	1/4	2,548.83
1/2	206.23	1/2	467.16	1/2	727.88	1/2	988.61	1/2	1,249.56	1/2	1,510.50	1/2	1,771.44	1/2	2,032.38	1/2	2,293.33	1/2	2,554.27
3/4	211.67	3/4	472.59	3/4	733.30	3/4	994.05	3/4	1,254.99	3/4	1,515.93	3/4	1,776.88	3/4	2,037.82	3/4	2,298.76	3/4	2,559.70
11	217.10	11	478.03	11	738.73	11	999.49	11	1,260.43	11	1,521.37	11	1,782.31	11	2,043.26	11	2,304.20	11	2,565.14
1/4	222.54	1/4	483.47	1/4	744.15	1/4	1,004.92	1/4	1,265.86	1/4	1,526.81	1/4	1,787.75	1/4	2,048.69	1/4	2,309.63	1/4	2,570.58
1/2	227.97	1/2	488.90	1/2	749.58	1/2	1,010.36	1/2	1,271.30	1/2	1,532.24	1/2	1,793.19	1/2	2,054.13	1/2	2,315.07	1/2	2,576.01
3/4	233.41	3/4	494.34	3/4	755.00	3/4	1,015.79	3/4	1,276.74	3/4	1,537.68	3/4	1,798.62	3/4	2,059.56	3/4	2,320.51	3/4	2,581.45

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 1109"

3 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	2,586.89	0	2,847.83	0	3,108.77	0	3,369.71	0	3,629.41	0		0		0		0		0	
1/4	2,592.32	1/4	2,853.26	1/4	3,114.21	1/4	3,375.15	1/4	3,633.45	1/4		1/4		1/4		1/4		1/4	
1/2	2,597.76	1/2	2,858.70	1/2	3,119.64	1/2	3,380.59	1/2	3,637.49	1/2		1/2		1/2		1/2		1/2	
3/4	2,603.19	3/4	2,864.14	3/4	3,125.08	3/4	3,386.02	3/4	3,641.53	3/4		3/4		3/4		3/4		3/4	
1	2,608.63	1	2,869.57	1	3,130.52	1	3,391.46	1	3,645.57	1		1		1		1		1	
1/4	2,614.07	1/4	2,875.01	1/4	3,135.95	1/4	3,396.89	1/4	3,647.83	1/4		1/4		1/4		1/4		1/4	
1/2	2,619.50	1/2	2,880.45	1/2	3,141.39	1/2	3,402.33	1/2	3,650.10	1/2		1/2		1/2		1/2		1/2	
3/4	2,624.94	3/4	2,885.88	3/4	3,146.82	3/4	3,407.77	3/4	3,652.36	3/4		3/4		3/4		3/4		3/4	
2	2,630.38	2	2,891.32	2	3,152.26	2	3,413.20	2	3,654.63	2		2		2		2		2	
1/4	2,635.81	1/4	2,896.75	1/4	3,157.70	1/4	3,418.64	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,641.25	1/2	2,902.19	1/2	3,163.13	1/2	3,424.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,646.68	3/4	2,907.63	3/4	3,168.57	3/4	3,429.51	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,652.12	3	2,913.06	3	3,174.01	3	3,434.95	3		3		3		3		3		3	
1/4	2,657.56	1/4	2,918.50	1/4	3,179.44	1/4	3,440.38	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,662.99	1/2	2,923.94	1/2	3,184.88	1/2	3,445.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,668.43	3/4	2,929.37	3/4	3,190.31	3/4	3,451.26	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,673.87	4	2,934.81	4	3,195.75	4	3,456.69	4		4		4		4		4		4	
1/4	2,679.30	1/4	2,940.25	1/4	3,201.19	1/4	3,462.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,684.74	1/2	2,945.68	1/2	3,206.62	1/2	3,467.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,690.18	3/4	2,951.12	3/4	3,212.06	3/4	3,473.00	3/4		3/4		3/4		3/4		3/4		3/4	
5	2,695.61	5	2,956.55	5	3,217.50	5	3,478.44	5		5		5		5		5		5	
1/4	2,701.05	1/4	2,961.99	1/4	3,222.93	1/4	3,483.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,706.48	1/2	2,967.43	1/2	3,228.37	1/2	3,489.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,711.92	3/4	2,972.86	3/4	3,233.81	3/4	3,494.75	3/4		3/4		3/4		3/4		3/4		3/4	
6	2,717.36	6	2,978.30	6	3,239.24	6	3,500.18	6		6		6		6		6		6	
1/4	2,722.79	1/4	2,983.74	1/4	3,244.68	1/4	3,505.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,728.23	1/2	2,989.17	1/2	3,250.11	1/2	3,511.06	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,733.67	3/4	2,994.61	3/4	3,255.55	3/4	3,516.49	3/4		3/4		3/4		3/4		3/4		3/4	
7	2,739.10	7	3,000.04	7	3,260.99	7	3,521.93	7		7		7		7		7		7	
1/4	2,744.54	1/4	3,005.48	1/4	3,266.42	1/4	3,527.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,749.97	1/2	3,010.92	1/2	3,271.86	1/2	3,532.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,755.41	3/4	3,016.35	3/4	3,277.30	3/4	3,538.24	3/4		3/4		3/4		3/4		3/4		3/4	
8	2,760.85	8	3,021.79	8	3,282.73	8	3,543.67	8		8		8		8		8		8	
1/4	2,766.28	1/4	3,027.23	1/4	3,288.17	1/4	3,549.10	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,771.72	1/2	3,032.66	1/2	3,293.60	1/2	3,554.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,777.16	3/4	3,038.10	3/4	3,299.04	3/4	3,559.96	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,782.59	9	3,043.53	9	3,304.48	9	3,565.40	9		9		9		9		9		9	
1/4	2,788.03	1/4	3,048.97	1/4	3,309.91	1/4	3,570.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,793.46	1/2	3,054.41	1/2	3,315.35	1/2	3,576.26	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,798.90	3/4	3,059.84	3/4	3,320.79	3/4	3,581.69	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,804.34	10	3,065.28	10	3,326.22	10	3,587.12	10		10		10		10		10		10	
1/4	2,809.77	1/4	3,070.72	1/4	3,331.66	1/4	3,592.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,815.21	1/2	3,076.15	1/2	3,337.09	1/2	3,597.95	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,820.65	3/4	3,081.59	3/4	3,342.53	3/4	3,603.37	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,826.08	11	3,087.03	11	3,347.97	11	3,608.78	11		11		11		11		11		11	
1/4	2,831.52	1/4	3,092.46	1/4	3,353.40	1/4	3,613.94	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,836.96	1/2	3,097.90	1/2	3,358.84	1/2	3,619.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,842.39	3/4	3,103.33	3/4	3,364.28	3/4	3,624.25	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/22/2018 CL
CALCULATED: 05/23/2018 CL
PRINTED: 05/23/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2018

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