



BARGE "IB 1109"

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	00-0/8	- 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 ULLAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 3/8"

LENGTH BETWEEN DRAFT MARKS: 163'-00"

May 23, 2018

PRECISION MEASUREMENT
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 P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "IB 1109"

1 CENTER ULLAGE 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	0	0	0	0	3,750.71	0	3,496.47	0	3,242.23	0	2,987.99	0	2,708.71	0	2,411.48	0	2,114.26	0	1,817.02
1/4	1/4	1/4	1/4	1/4	3,745.41	1/4	3,491.17	1/4	3,236.93	1/4	2,982.69	1/4	2,702.52	1/4	2,405.29	1/4	2,108.07	1/4	1,810.83
1/2	1/2	1/2	1/2	1/2	3,973.92	1/2	3,740.12	1/2	3,485.88	1/2	3,231.63	1/2	2,977.39	1/2	2,696.33	1/2	2,399.10	1/2	2,101.87
3/4	3/4	3/4	3/4	3/4	3,971.79	3/4	3,734.82	3/4	3,480.58	3/4	3,226.34	3/4	2,972.10	3/4	2,690.14	3/4	2,392.90	3/4	2,095.68
1	1	1	1	1	3,969.66	1	3,729.52	1	3,475.28	1	3,221.04	1	2,966.80	1	2,683.94	1	2,386.71	1	2,089.49
1/4	1/4	1/4	1/4	1/4	3,967.53	1/4	3,724.23	1/4	3,469.99	1/4	3,215.74	1/4	2,961.50	1/4	2,677.75	1/4	2,380.52	1/4	2,083.30
1/2	1/2	1/2	1/2	1/2	3,965.40	1/2	3,718.93	1/2	3,464.69	1/2	3,210.45	1/2	2,956.21	1/2	2,671.56	1/2	2,374.33	1/2	2,077.10
3/4	3/4	3/4	3/4	3/4	3,961.69	3/4	3,713.63	3/4	3,459.39	3/4	3,205.15	3/4	2,950.91	3/4	2,665.37	3/4	2,368.14	3/4	2,070.91
2	2	2	2	2	3,957.99	2	3,708.34	2	3,454.10	2	3,199.85	2	2,945.61	2	2,659.17	2	2,361.94	2	2,064.72
1/4	1/4	1/4	1/4	1/4	3,954.29	1/4	3,703.04	1/4	3,448.80	1/4	3,194.56	1/4	2,940.32	1/4	2,652.98	1/4	2,355.75	1/4	2,058.53
1/2	1/2	1/2	1/2	1/2	3,950.59	1/2	3,697.74	1/2	3,443.50	1/2	3,189.26	1/2	2,935.02	1/2	2,646.79	1/2	2,349.56	1/2	2,052.33
3/4	3/4	3/4	3/4	3/4	3,945.61	3/4	3,692.45	3/4	3,438.21	3/4	3,183.96	3/4	2,929.72	3/4	2,640.60	3/4	2,343.37	3/4	2,046.14
3	3	3	3	3	3,940.63	3	3,687.15	3	3,432.91	3	3,178.67	3	2,924.43	3	2,634.40	3	2,337.18	3	2,039.95
1/4	1/4	1/4	1/4	1/4	3,935.66	1/4	3,681.85	1/4	3,427.61	1/4	3,173.37	1/4	2,919.13	1/4	2,628.21	1/4	2,330.99	1/4	2,033.76
1/2	1/2	1/2	1/2	1/2	3,930.68	1/2	3,676.56	1/2	3,422.32	1/2	3,168.07	1/2	2,913.83	1/2	2,622.02	1/2	2,324.79	1/2	2,027.56
3/4	3/4	3/4	3/4	3/4	3,925.41	3/4	3,671.26	3/4	3,417.02	3/4	3,162.78	3/4	2,908.54	3/4	2,615.83	3/4	2,318.60	3/4	2,021.37
4	4	4	4	4	3,920.13	4	3,665.96	4	3,411.72	4	3,157.48	4	2,903.25	4	2,609.63	4	2,312.41	4	2,015.18
1/4	1/4	1/4	1/4	1/4	3,914.86	1/4	3,660.67	1/4	3,406.43	1/4	3,152.18	1/4	2,897.96	1/4	2,603.44	1/4	2,306.22	1/4	2,008.99
1/2	1/2	1/2	1/2	1/2	3,909.59	1/2	3,655.37	1/2	3,401.13	1/2	3,146.89	1/2	2,892.67	1/2	2,597.25	1/2	2,300.03	1/2	2,002.79
3/4	3/4	3/4	3/4	3/4	3,904.29	3/4	3,650.07	3/4	3,395.83	3/4	3,141.59	3/4	2,886.93	3/4	2,591.06	3/4	2,293.83	3/4	1,996.60
5	5	5	5	5	3,899.00	5	3,644.78	5	3,390.54	5	3,136.29	5	2,881.19	5	2,584.86	5	2,287.64	5	1,990.41
1/4	1/4	1/4	1/4	1/4	3,893.71	1/4	3,639.48	1/4	3,385.24	1/4	3,131.00	1/4	2,875.46	1/4	2,578.67	1/4	2,281.45	1/4	1,984.22
1/2	1/2	1/2	1/2	1/2	3,888.42	1/2	3,634.18	1/2	3,379.94	1/2	3,125.70	1/2	2,869.72	1/2	2,572.48	1/2	2,275.26	1/2	1,978.02
3/4	3/4	3/4	3/4	3/4	3,883.12	3/4	3,628.89	3/4	3,374.65	3/4	3,120.40	3/4	2,863.53	3/4	2,566.29	3/4	2,269.07	3/4	1,971.83
6	6	6	6	6	3,877.83	6	3,623.59	6	3,369.35	6	3,115.11	6	2,857.33	6	2,560.09	6	2,262.88	6	1,965.64
1/4	1/4	1/4	1/4	1/4	3,872.53	1/4	3,618.29	1/4	3,364.05	1/4	3,109.81	1/4	2,851.14	1/4	2,553.90	1/4	2,256.69	1/4	1,959.45
1/2	1/2	1/2	1/2	1/2	3,867.24	1/2	3,613.00	1/2	3,358.76	1/2	3,104.51	1/2	2,844.95	1/2	2,547.71	1/2	2,250.49	1/2	1,953.25
3/4	3/4	3/4	3/4	3/4	3,861.94	3/4	3,607.70	3/4	3,353.46	3/4	3,099.22	3/4	2,838.76	3/4	2,541.52	3/4	2,244.30	3/4	1,947.06
7	7	7	7	7	3,856.65	7	3,602.40	7	3,348.16	7	3,093.92	7	2,832.56	7	2,535.32	7	2,238.11	7	1,940.87
1/4	1/4	1/4	1/4	1/4	3,851.35	1/4	3,597.11	1/4	3,342.87	1/4	3,088.62	1/4	2,826.37	1/4	2,529.13	1/4	2,231.92	1/4	1,934.68
1/2	1/2	1/2	1/2	1/2	3,846.05	1/2	3,591.81	1/2	3,337.57	1/2	3,083.33	1/2	2,820.18	1/2	2,522.94	1/2	2,225.72	1/2	1,928.48
3/4	3/4	3/4	3/4	3/4	3,840.76	3/4	3,586.51	3/4	3,332.27	3/4	3,078.03	3/4	2,813.99	3/4	2,516.75	3/4	2,219.53	3/4	1,922.29
8	8	8	8	8	3,835.46	8	3,581.22	8	3,326.98	8	3,072.73	8	2,807.79	8	2,510.55	8	2,213.34	8	1,916.10
1/4	1/4	1/4	1/4	1/4	3,830.16	1/4	3,575.92	1/4	3,321.68	1/4	3,067.44	1/4	2,801.60	1/4	2,504.36	1/4	2,207.15	1/4	1,909.91
1/2	1/2	1/2	1/2	1/2	3,824.87	1/2	3,570.62	1/2	3,316.38	1/2	3,062.14	1/2	2,795.41	1/2	2,498.17	1/2	2,200.95	1/2	1,903.71
3/4	3/4	3/4	3/4	3/4	3,819.57	3/4	3,565.33	3/4	3,311.09	3/4	3,056.84	3/4	2,789.22	3/4	2,491.98	3/4	2,194.76	3/4	1,897.52
9	9	9	9	9	3,814.27	9	3,560.03	9	3,305.79	9	3,051.55	9	2,783.02	9	2,485.78	9	2,188.57	9	1,891.33
1/4	1/4	1/4	1/4	1/4	3,808.97	1/4	3,554.73	1/4	3,300.49	1/4	3,046.25	1/4	2,776.83	1/4	2,479.59	1/4	2,182.38	1/4	1,885.14
1/2	1/2	1/2	1/2	1/2	3,803.68	1/2	3,549.44	1/2	3,295.20	1/2	3,040.95	1/2	2,770.64	1/2	2,473.40	1/2	2,176.18	1/2	1,878.94
3/4	3/4	3/4	3/4	3/4	3,798.38	3/4	3,544.14	3/4	3,289.90	3/4	3,035.66	3/4	2,764.45	3/4	2,467.21	3/4	2,169.99	3/4	1,872.75
10	10	10	10	10	3,793.08	10	3,538.84	10	3,284.60	10	3,030.36	10	2,758.25	10	2,461.01	10	2,163.80	10	1,866.56
1/4	1/4	1/4	1/4	1/4	3,787.79	1/4	3,533.55	1/4	3,279.30	1/4	3,025.06	1/4	2,752.06	1/4	2,454.82	1/4	2,157.61	1/4	1,860.37
1/2	1/2	1/2	1/2	1/2	3,782.49	1/2	3,528.25	1/2	3,274.01	1/2	3,019.77	1/2	2,745.87	1/2	2,448.63	1/2	2,151.41	1/2	1,854.17
3/4	3/4	3/4	3/4	3/4	3,777.19	3/4	3,522.95	3/4	3,268.71	3/4	3,014.47	3/4	2,739.68	3/4	2,442.44	3/4	2,145.22	3/4	1,847.98
11	11	11	11	11	3,771.90	11	3,517.66	11	3,263.41	11	3,009.17	11	2,733.48	11	2,436.25	11	2,139.03	11	1,841.79
1/4	1/4	1/4	1/4	1/4	3,766.60	1/4	3,512.36	1/4	3,258.12	1/4	3,003.88	1/4	2,727.29	1/4	2,430.05	1/4	2,132.84	1/4	1,835.60
1/2	1/2	1/2	1/2	1/2	3,761.30	1/2	3,507.06	1/2	3,252.82	1/2	2,998.58	1/2	2,721.10	1/2	2,423.86	1/2	2,126.64	1/2	1,829.40
3/4	3/4	3/4	3/4	3/4	3,756.01	3/4	3,501.77	3/4	3,247.52	3/4	2,993.28	3/4	2,714.91	3/4	2,417.67	3/4	2,120.45	3/4	1,823.21

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 30'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
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BARGE "IB 1109"

1 CENTER ULLAGE 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	1,520.18	0	1,223.23	0	926.73	0	634.95	0	337.70	0	42.15	0		0		0		0	
1/4	1,514.00	1/4	1,217.04	1/4	920.69	1/4	628.76	1/4	331.51	1/4	36.53	1/4		1/4		1/4		1/4	
1/2	1,507.82	1/2	1,210.85	1/2	914.64	1/2	622.57	1/2	325.32	1/2	30.91	1/2		1/2		1/2		1/2	
3/4	1,501.65	3/4	1,204.66	3/4	908.60	3/4	616.38	3/4	319.12	3/4	26.78	3/4		3/4		3/4		3/4	
1	1,495.47	1	1,198.47	1	902.56	1	610.18	1	312.93	1	22.65	1		1		1		1	
1/4	1,489.29	1/4	1,192.28	1/4	896.52	1/4	603.99	1/4	306.74	1/4	18.52	1/4		1/4		1/4		1/4	
1/2	1,483.11	1/2	1,186.09	1/2	890.48	1/2	597.80	1/2	300.55	1/2	14.38	1/2		1/2		1/2		1/2	
3/4	1,476.93	3/4	1,179.90	3/4	884.44	3/4	591.60	3/4	294.35	3/4	12.32	3/4		3/4		3/4		3/4	
2	1,470.76	2	1,173.71	2	878.40	2	585.41	2	288.16	2	10.25	2		2		2		2	
1/4	1,464.58	1/4	1,167.52	1/4	872.36	1/4	579.22	1/4	281.97	1/4	8.18	1/4		1/4		1/4		1/4	
1/2	1,458.40	1/2	1,161.33	1/2	866.32	1/2	573.03	1/2	275.77	1/2	6.11	1/2		1/2		1/2		1/2	
3/4	1,452.22	3/4	1,155.14	3/4	860.28	3/4	566.83	3/4	269.58	3/4		3/4		3/4		3/4		3/4	
3	1,446.03	3	1,148.95	3	854.24	3	560.64	3	263.39	3		3		3		3		3	
1/4	1,439.85	1/4	1,142.76	1/4	848.20	1/4	554.45	1/4	257.20	1/4		1/4		1/4		1/4		1/4	
1/2	1,433.67	1/2	1,136.57	1/2	842.16	1/2	548.26	1/2	251.00	1/2		1/2		1/2		1/2		1/2	
3/4	1,427.48	3/4	1,130.39	3/4	836.11	3/4	542.06	3/4	244.81	3/4		3/4		3/4		3/4		3/4	
4	1,421.29	4	1,124.20	4	830.07	4	535.87	4	238.61	4		4		4		4		4	
1/4	1,415.10	1/4	1,118.01	1/4	824.03	1/4	529.68	1/4	232.42	1/4		1/4		1/4		1/4		1/4	
1/2	1,408.91	1/2	1,111.82	1/2	817.99	1/2	523.48	1/2	226.22	1/2		1/2		1/2		1/2		1/2	
3/4	1,402.72	3/4	1,105.63	3/4	811.95	3/4	517.29	3/4	220.02	3/4		3/4		3/4		3/4		3/4	
5	1,396.53	5	1,099.44	5	805.91	5	511.10	5	213.82	5		5		5		5		5	
1/4	1,390.34	1/4	1,093.25	1/4	799.87	1/4	504.91	1/4	207.62	1/4		1/4		1/4		1/4		1/4	
1/2	1,384.15	1/2	1,087.06	1/2	793.83	1/2	498.71	1/2	201.42	1/2		1/2		1/2		1/2		1/2	
3/4	1,377.96	3/4	1,080.87	3/4	787.79	3/4	492.52	3/4	195.23	3/4		3/4		3/4		3/4		3/4	
6	1,371.77	6	1,074.68	6	781.75	6	486.33	6	189.03	6		6		6		6		6	
1/4	1,365.58	1/4	1,068.49	1/4	775.71	1/4	480.14	1/4	182.83	1/4		1/4		1/4		1/4		1/4	
1/2	1,359.39	1/2	1,062.30	1/2	769.67	1/2	473.94	1/2	176.64	1/2		1/2		1/2		1/2		1/2	
3/4	1,353.20	3/4	1,056.11	3/4	763.63	3/4	467.75	3/4	170.44	3/4		3/4		3/4		3/4		3/4	
7	1,347.01	7	1,049.92	7	757.59	7	461.56	7	164.25	7		7		7		7		7	
1/4	1,340.82	1/4	1,043.73	1/4	751.55	1/4	455.36	1/4	158.06	1/4		1/4		1/4		1/4		1/4	
1/2	1,334.64	1/2	1,037.54	1/2	745.51	1/2	449.17	1/2	151.86	1/2		1/2		1/2		1/2		1/2	
3/4	1,328.45	3/4	1,031.35	3/4	739.47	3/4	442.98	3/4	145.67	3/4		3/4		3/4		3/4		3/4	
8	1,322.26	8	1,025.17	8	733.43	8	436.79	8	139.48	8		8		8		8		8	
1/4	1,316.07	1/4	1,018.98	1/4	727.39	1/4	430.59	1/4	133.29	1/4		1/4		1/4		1/4		1/4	
1/2	1,309.88	1/2	1,012.79	1/2	721.35	1/2	424.40	1/2	127.10	1/2		1/2		1/2		1/2		1/2	
3/4	1,303.69	3/4	1,006.60	3/4	715.23	3/4	418.21	3/4	120.93	3/4		3/4		3/4		3/4		3/4	
9	1,297.50	9	1,000.41	9	709.11	9	412.02	9	114.75	9		9		9		9		9	
1/4	1,291.31	1/4	994.22	1/4	703.00	1/4	405.82	1/4	108.58	1/4		1/4		1/4		1/4		1/4	
1/2	1,285.12	1/2	988.03	1/2	696.88	1/2	399.63	1/2	102.40	1/2		1/2		1/2		1/2		1/2	
3/4	1,278.93	3/4	981.84	3/4	690.69	3/4	393.44	3/4	96.25	3/4		3/4		3/4		3/4		3/4	
10	1,272.74	10	975.65	10	684.49	10	387.25	10	90.10	10		10		10		10		10	
1/4	1,266.55	1/4	969.46	1/4	678.30	1/4	381.05	1/4	83.95	1/4		1/4		1/4		1/4		1/4	
1/2	1,260.36	1/2	963.27	1/2	672.11	1/2	374.86	1/2	77.81	1/2		1/2		1/2		1/2		1/2	
3/4	1,254.17	3/4	957.16	3/4	665.92	3/4	368.67	3/4	71.70	3/4		3/4		3/4		3/4		3/4	
11	1,247.98	11	951.04	11	659.72	11	362.47	11	65.60	11		11		11		11		11	
1/4	1,241.79	1/4	944.93	1/4	653.53	1/4	356.28	1/4	59.49	1/4		1/4		1/4		1/4		1/4	
1/2	1,235.61	1/2	938.81	1/2	647.34	1/2	350.09	1/2	53.39	1/2		1/2		1/2		1/2		1/2	
3/4	1,229.42	3/4	932.77	3/4	641.15	3/4	343.90	3/4	47.77	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.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "IB 1109"

2 CENTER ULLAGE 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	0	3,680.88	0	3,437.33	0	3,174.12	0	2,910.91	0	2,647.70	0	2,384.48	0	2,121.27	0	1,858.06	0	1,594.84	
1/4	1/4	3,678.60	1/4	3,431.85	1/4	3,168.64	1/4	2,905.42	1/4	2,642.21	1/4	2,379.00	1/4	2,115.79	1/4	1,852.57	1/4	1,589.36	
1/2	1/2	3,676.31	1/2	3,426.37	1/2	3,163.15	1/2	2,899.94	1/2	2,636.73	1/2	2,373.52	1/2	2,110.30	1/2	1,847.09	1/2	1,583.88	
3/4	3/4	3,674.03	3/4	3,420.88	3/4	3,157.67	3/4	2,894.46	3/4	2,631.24	3/4	2,368.03	3/4	2,104.82	3/4	1,841.61	3/4	1,578.39	
1	1	3,671.74	1	3,415.40	1	3,152.19	1	2,888.97	1	2,625.76	1	2,362.55	1	2,099.34	1	1,836.12	1	1,572.91	
1/4	1/4	3,667.67	1/4	3,409.92	1/4	3,146.70	1/4	2,883.49	1/4	2,620.28	1/4	2,357.06	1/4	2,093.85	1/4	1,830.64	1/4	1,567.43	
1/2	1/2	3,663.59	1/2	3,404.43	1/2	3,141.22	1/2	2,878.01	1/2	2,614.79	1/2	2,351.58	1/2	2,088.37	1/2	1,825.16	1/2	1,561.94	
3/4	3/4	3,659.52	3/4	3,398.95	3/4	3,135.74	3/4	2,872.52	3/4	2,609.31	3/4	2,346.10	3/4	2,082.88	3/4	1,819.67	3/4	1,556.46	
2	2	3,655.44	2	3,393.46	2	3,130.25	2	2,867.04	2	2,603.83	2	2,340.61	2	2,077.40	2	1,814.19	2	1,550.98	
1/4	1/4	3,650.24	1/4	3,387.98	1/4	3,124.77	1/4	2,861.56	1/4	2,598.34	1/4	2,335.13	1/4	2,071.92	1/4	1,808.70	1/4	1,545.49	
1/2	1/2	3,645.04	1/2	3,382.50	1/2	3,119.28	1/2	2,856.07	1/2	2,592.86	1/2	2,329.65	1/2	2,066.43	1/2	1,803.22	1/2	1,540.01	
3/4	3/4	3,639.84	3/4	3,377.01	3/4	3,113.80	3/4	2,850.59	3/4	2,587.38	3/4	2,324.16	3/4	2,060.95	3/4	1,797.74	3/4	1,534.52	
3	3	3,634.64	3	3,371.53	3	3,108.32	3	2,845.10	3	2,581.89	3	2,318.68	3	2,055.47	3	1,792.25	3	1,529.04	
1/4	1/4	3,629.18	1/4	3,366.05	1/4	3,102.83	1/4	2,839.62	1/4	2,576.41	1/4	2,313.20	1/4	2,049.98	1/4	1,786.77	1/4	1,523.56	
1/2	1/2	3,623.72	1/2	3,360.56	1/2	3,097.35	1/2	2,834.14	1/2	2,570.92	1/2	2,307.71	1/2	2,044.50	1/2	1,781.29	1/2	1,518.07	
3/4	3/4	3,618.25	3/4	3,355.08	3/4	3,091.87	3/4	2,828.65	3/4	2,565.44	3/4	2,302.23	3/4	2,039.02	3/4	1,775.80	3/4	1,512.59	
4	4	3,612.79	4	3,349.60	4	3,086.38	4	2,823.17	4	2,559.96	4	2,296.74	4	2,033.53	4	1,770.32	4	1,507.11	
1/4	1/4	3,607.31	1/4	3,344.11	1/4	3,080.90	1/4	2,817.69	1/4	2,554.47	1/4	2,291.26	1/4	2,028.05	1/4	1,764.84	1/4	1,501.62	
1/2	1/2	3,601.83	1/2	3,338.63	1/2	3,075.42	1/2	2,812.20	1/2	2,548.99	1/2	2,285.78	1/2	2,022.56	1/2	1,759.35	1/2	1,496.14	
3/4	3/4	3,596.35	3/4	3,333.15	3/4	3,069.93	3/4	2,806.72	3/4	2,543.51	3/4	2,280.29	3/4	2,017.08	3/4	1,753.87	3/4	1,490.66	
5	5	3,590.87	5	3,327.66	5	3,064.45	5	2,801.24	5	2,538.02	5	2,274.81	5	2,011.60	5	1,748.38	5	1,485.17	
1/4	1/4	3,585.39	1/4	3,322.18	1/4	3,058.97	1/4	2,795.75	1/4	2,532.54	1/4	2,269.33	1/4	2,006.11	1/4	1,742.90	1/4	1,479.69	
1/2	1/2	3,579.91	1/2	3,316.69	1/2	3,053.48	1/2	2,790.27	1/2	2,527.06	1/2	2,263.84	1/2	2,000.63	1/2	1,737.42	1/2	1,474.20	
3/4	3/4	3,574.42	3/4	3,311.21	3/4	3,048.00	3/4	2,784.79	3/4	2,521.57	3/4	2,258.36	3/4	1,995.15	3/4	1,731.93	3/4	1,468.72	
6	6	3,568.94	6	3,305.73	6	3,042.51	6	2,779.30	6	2,516.09	6	2,252.88	6	1,989.66	6	1,726.45	6	1,463.24	
1/4	1/4	3,563.46	1/4	3,300.24	1/4	3,037.03	1/4	2,773.82	1/4	2,510.61	1/4	2,247.39	1/4	1,984.18	1/4	1,720.97	1/4	1,457.75	
1/2	1/2	3,557.97	1/2	3,294.76	1/2	3,031.55	1/2	2,768.33	1/2	2,505.12	1/2	2,241.91	1/2	1,978.70	1/2	1,715.48	1/2	1,452.27	
3/4	3/4	3,552.49	3/4	3,289.28	3/4	3,026.06	3/4	2,762.85	3/4	2,499.64	3/4	2,236.43	3/4	1,973.21	3/4	1,710.00	3/4	1,446.79	
7	7	3,547.01	7	3,283.79	7	3,020.58	7	2,757.37	7	2,494.15	7	2,230.94	7	1,967.73	7	1,704.52	7	1,441.30	
1/4	1/4	3,541.52	1/4	3,278.31	1/4	3,015.10	1/4	2,751.88	1/4	2,488.67	1/4	2,225.46	1/4	1,962.25	1/4	1,699.03	1/4	1,435.82	
1/2	1/2	3,536.04	1/2	3,272.83	1/2	3,009.61	1/2	2,746.40	1/2	2,483.19	1/2	2,219.97	1/2	1,956.76	1/2	1,693.55	1/2	1,430.34	
3/4	3/4	3,530.55	3/4	3,267.34	3/4	3,004.13	3/4	2,740.92	3/4	2,477.70	3/4	2,214.49	3/4	1,951.28	3/4	1,688.07	3/4	1,424.85	
8	8	3,525.07	8	3,261.86	8	2,998.65	8	2,735.43	8	2,472.22	8	2,209.01	8	1,945.79	8	1,682.58	8	1,419.37	
1/4	1/4	3,519.59	1/4	3,256.37	1/4	2,993.16	1/4	2,729.95	1/4	2,466.74	1/4	2,203.52	1/4	1,940.31	1/4	1,677.10	1/4	1,413.89	
1/2	1/2	3,514.10	1/2	3,250.89	1/2	2,987.68	1/2	2,724.47	1/2	2,461.25	1/2	2,198.04	1/2	1,934.83	1/2	1,671.61	1/2	1,408.40	
3/4	3/4	3,508.62	3/4	3,245.41	3/4	2,982.19	3/4	2,718.98	3/4	2,455.77	3/4	2,192.56	3/4	1,929.34	3/4	1,666.13	3/4	1,402.92	
9	9	3,503.14	9	3,239.92	9	2,976.71	9	2,713.50	9	2,450.29	9	2,187.07	9	1,923.86	9	1,660.65	9	1,397.43	
1/4	1/4	3,497.65	1/4	3,234.44	1/4	2,971.23	1/4	2,708.01	1/4	2,444.80	1/4	2,181.59	1/4	1,918.38	1/4	1,655.16	1/4	1,391.95	
1/2	1/2	3,492.17	1/2	3,228.96	1/2	2,965.74	1/2	2,702.53	1/2	2,439.32	1/2	2,176.11	1/2	1,912.89	1/2	1,649.68	1/2	1,386.47	
3/4	3/4	3,486.69	3/4	3,223.47	3/4	2,960.26	3/4	2,697.05	3/4	2,433.83	3/4	2,170.62	3/4	1,907.41	3/4	1,644.20	3/4	1,380.98	
10	10	3,481.20	10	3,217.99	10	2,954.78	10	2,691.56	10	2,428.35	10	2,165.14	10	1,901.93	10	1,638.71	10	1,375.50	
1/4	1/4	3,475.72	1/4	3,212.51	1/4	2,949.29	1/4	2,686.08	1/4	2,422.87	1/4	2,159.65	1/4	1,896.44	1/4	1,633.23	1/4	1,370.02	
1/2	1/2	3,470.24	1/2	3,207.02	1/2	2,943.81	1/2	2,680.60	1/2	2,417.38	1/2	2,154.17	1/2	1,890.96	1/2	1,627.75	1/2	1,364.53	
3/4	3/4	3,464.75	3/4	3,201.54	3/4	2,938.33	3/4	2,675.11	3/4	2,411.90	3/4	2,148.69	3/4	1,885.47	3/4	1,622.26	3/4	1,359.05	
11	11	3,459.27	11	3,196.06	11	2,932.84	11	2,669.63	11	2,406.42	11	2,143.20	11	1,879.99	11	1,616.78	11	1,353.57	
1/4	1/4	3,453.78	1/4	3,190.57	1/4	2,927.36	1/4	2,664.15	1/4	2,400.93	1/4	2,137.72	1/4	1,874.51	1/4	1,611.29	1/4	1,348.08	
1/2	1/2	3,448.30	1/2	3,185.09	1/2	2,921.88	1/2	2,658.66	1/2	2,395.45	1/2	2,132.24	1/2	1,869.02	1/2	1,605.81	1/2	1,342.60	
3/4	3/4	3,442.82	3/4	3,179.60	3/4	2,916.39	3/4	2,653.18	3/4	2,389.97	3/4	2,126.75	3/4	1,863.54	3/4	1,600.33	3/4	1,337.11	

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'-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 ULLAGE 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	1,331.63	0	1,068.42	0	806.10	0	547.99	0	284.79	0	24.37	0		0		0		0	
1/4	1,326.15	1/4	1,062.93	1/4	800.76	1/4	542.51	1/4	279.30	1/4	20.72	1/4		1/4		1/4		1/4	
1/2	1,320.66	1/2	1,057.45	1/2	795.43	1/2	537.02	1/2	273.82	1/2	17.07	1/2		1/2		1/2		1/2	
3/4	1,315.18	3/4	1,051.97	3/4	790.09	3/4	531.54	3/4	268.34	3/4	13.42	3/4		3/4		3/4		3/4	
1	1,309.70	1	1,046.48	1	784.76	1	526.06	1	262.85	1	9.76	1		1		1		1	
1/4	1,304.21	1/4	1,041.00	1/4	779.43	1/4	520.57	1/4	257.37	1/4	7.94	1/4		1/4		1/4		1/4	
1/2	1,298.73	1/2	1,035.52	1/2	774.09	1/2	515.09	1/2	251.89	1/2	6.11	1/2		1/2		1/2		1/2	
3/4	1,293.25	3/4	1,030.03	3/4	768.76	3/4	509.61	3/4	246.40	3/4	4.28	3/4		3/4		3/4		3/4	
2	1,287.76	2	1,024.55	2	763.43	2	504.12	2	240.92	2	2.45	2		2		2		2	
1/4	1,282.28	1/4	1,019.07	1/4	758.09	1/4	498.64	1/4	235.44	1/4		1/4		1/4		1/4		1/4	
1/2	1,276.80	1/2	1,013.58	1/2	752.76	1/2	493.16	1/2	229.95	1/2		1/2		1/2		1/2		1/2	
3/4	1,271.31	3/4	1,008.10	3/4	747.43	3/4	487.67	3/4	224.47	3/4		3/4		3/4		3/4		3/4	
3	1,265.83	3	1,002.62	3	742.09	3	482.19	3	218.99	3		3		3		3		3	
1/4	1,260.34	1/4	997.13	1/4	736.76	1/4	476.71	1/4	213.50	1/4		1/4		1/4		1/4		1/4	
1/2	1,254.86	1/2	991.65	1/2	731.43	1/2	471.22	1/2	208.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,249.38	3/4	986.16	3/4	726.09	3/4	465.74	3/4	202.54	3/4		3/4		3/4		3/4		3/4	
4	1,243.89	4	980.68	4	720.76	4	460.26	4	197.05	4		4		4		4		4	
1/4	1,238.41	1/4	975.20	1/4	715.43	1/4	454.77	1/4	191.57	1/4		1/4		1/4		1/4		1/4	
1/2	1,232.93	1/2	969.71	1/2	710.09	1/2	449.29	1/2	186.09	1/2		1/2		1/2		1/2		1/2	
3/4	1,227.44	3/4	964.23	3/4	704.76	3/4	443.81	3/4	180.60	3/4		3/4		3/4		3/4		3/4	
5	1,221.96	5	958.75	5	699.43	5	438.32	5	175.12	5		5		5		5		5	
1/4	1,216.48	1/4	953.26	1/4	694.09	1/4	432.84	1/4	169.64	1/4		1/4		1/4		1/4		1/4	
1/2	1,210.99	1/2	947.78	1/2	688.76	1/2	427.36	1/2	164.15	1/2		1/2		1/2		1/2		1/2	
3/4	1,205.51	3/4	942.30	3/4	683.42	3/4	421.87	3/4	158.67	3/4		3/4		3/4		3/4		3/4	
6	1,200.02	6	936.81	6	678.09	6	416.39	6	153.19	6		6		6		6		6	
1/4	1,194.54	1/4	931.33	1/4	672.76	1/4	410.91	1/4	147.71	1/4		1/4		1/4		1/4		1/4	
1/2	1,189.06	1/2	925.84	1/2	667.42	1/2	405.42	1/2	142.23	1/2		1/2		1/2		1/2		1/2	
3/4	1,183.57	3/4	920.36	3/4	662.09	3/4	399.94	3/4	136.75	3/4		3/4		3/4		3/4		3/4	
7	1,178.09	7	914.88	7	656.76	7	394.46	7	131.27	7		7		7		7		7	
1/4	1,172.61	1/4	909.39	1/4	651.42	1/4	388.97	1/4	125.80	1/4		1/4		1/4		1/4		1/4	
1/2	1,167.12	1/2	903.91	1/2	646.09	1/2	383.49	1/2	120.33	1/2		1/2		1/2		1/2		1/2	
3/4	1,161.64	3/4	898.43	3/4	640.76	3/4	378.01	3/4	114.85	3/4		3/4		3/4		3/4		3/4	
8	1,156.16	8	892.94	8	635.42	8	372.52	8	109.38	8		8		8		8		8	
1/4	1,150.67	1/4	887.46	1/4	630.02	1/4	367.04	1/4	103.92	1/4		1/4		1/4		1/4		1/4	
1/2	1,145.19	1/2	881.98	1/2	624.61	1/2	361.56	1/2	98.47	1/2		1/2		1/2		1/2		1/2	
3/4	1,139.71	3/4	876.49	3/4	619.20	3/4	356.07	3/4	93.01	3/4		3/4		3/4		3/4		3/4	
9	1,134.22	9	871.01	9	613.79	9	350.59	9	87.55	9		9		9		9		9	
1/4	1,128.74	1/4	865.53	1/4	608.31	1/4	345.10	1/4	82.12	1/4		1/4		1/4		1/4		1/4	
1/2	1,123.25	1/2	860.04	1/2	602.82	1/2	339.62	1/2	76.68	1/2		1/2		1/2		1/2		1/2	
3/4	1,117.77	3/4	854.56	3/4	597.34	3/4	334.14	3/4	71.25	3/4		3/4		3/4		3/4		3/4	
10	1,112.29	10	849.07	10	591.86	10	328.65	10	65.81	10		10		10		10		10	
1/4	1,106.80	1/4	843.67	1/4	586.37	1/4	323.17	1/4	60.42	1/4		1/4		1/4		1/4		1/4	
1/2	1,101.32	1/2	838.26	1/2	580.89	1/2	317.69	1/2	55.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,095.84	3/4	832.85	3/4	575.41	3/4	312.20	3/4	49.63	3/4		3/4		3/4		3/4		3/4	
11	1,090.35	11	827.44	11	569.92	11	306.72	11	44.23	11		11		11		11		11	
1/4	1,084.87	1/4	822.10	1/4	564.44	1/4	301.24	1/4	39.27	1/4		1/4		1/4		1/4		1/4	
1/2	1,079.39	1/2	816.77	1/2	558.96	1/2	295.75	1/2	34.30	1/2		1/2		1/2		1/2		1/2	
3/4	1,073.90	3/4	811.43	3/4	553.47	3/4	290.27	3/4	29.34	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.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "IB 1109"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-03"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	3,434.95	0	3,174.01	0	2,913.06	0	2,652.12	0	2,391.18	0	2,130.24	0	1,869.29	0	1,608.35	0	1,608.35
1/4	1/4	1/4	3,429.51	1/4	3,168.57	1/4	2,907.63	1/4	2,646.68	1/4	2,385.74	1/4	2,124.80	1/4	1,863.86	1/4	1,602.92	1/4	1,602.92
1/2	1/2	1/2	3,424.08	1/2	3,163.13	1/2	2,902.19	1/2	2,641.25	1/2	2,380.31	1/2	2,119.36	1/2	1,858.42	1/2	1,597.48	1/2	1,597.48
3/4	3/4	3/4	3,418.64	3/4	3,157.70	3/4	2,896.75	3/4	2,635.81	3/4	2,374.87	3/4	2,113.93	3/4	1,852.99	3/4	1,592.04	3/4	1,592.04
1	1	1	3,654.63	1	3,413.20	1	3,152.26	1	2,891.32	1	2,630.38	1	2,369.43	1	2,108.49	1	1,847.55	1	1,586.61
1/4	1/4	1/4	3,652.36	1/4	3,407.77	1/4	3,146.82	1/4	2,885.88	1/4	2,624.94	1/4	2,364.00	1/4	2,103.05	1/4	1,842.11	1/4	1,581.17
1/2	1/2	1/2	3,650.10	1/2	3,402.33	1/2	3,141.39	1/2	2,880.45	1/2	2,619.50	1/2	2,358.56	1/2	2,097.62	1/2	1,836.68	1/2	1,575.73
3/4	3/4	3/4	3,647.83	3/4	3,396.89	3/4	3,135.95	3/4	2,875.01	3/4	2,614.07	3/4	2,353.12	3/4	2,092.18	3/4	1,831.24	3/4	1,570.30
2	2	2	3,645.57	2	3,391.46	2	3,130.52	2	2,869.57	2	2,608.63	2	2,347.69	2	2,086.75	2	1,825.80	2	1,564.86
1/4	1/4	1/4	3,641.53	1/4	3,386.02	1/4	3,125.08	1/4	2,864.14	1/4	2,603.19	1/4	2,342.25	1/4	2,081.31	1/4	1,820.37	1/4	1,559.42
1/2	1/2	1/2	3,637.49	1/2	3,380.59	1/2	3,119.64	1/2	2,858.70	1/2	2,597.76	1/2	2,336.82	1/2	2,075.87	1/2	1,814.93	1/2	1,553.99
3/4	3/4	3/4	3,633.45	3/4	3,375.15	3/4	3,114.21	3/4	2,853.26	3/4	2,592.32	3/4	2,331.38	3/4	2,070.44	3/4	1,809.49	3/4	1,548.55
3	3	3	3,629.41	3	3,369.71	3	3,108.77	3	2,847.83	3	2,586.89	3	2,325.94	3	2,065.00	3	1,804.06	3	1,543.12
1/4	1/4	1/4	3,624.25	1/4	3,364.28	1/4	3,103.33	1/4	2,842.39	1/4	2,581.45	1/4	2,320.51	1/4	2,059.56	1/4	1,798.62	1/4	1,537.68
1/2	1/2	1/2	3,619.10	1/2	3,358.84	1/2	3,097.90	1/2	2,836.96	1/2	2,576.01	1/2	2,315.07	1/2	2,054.13	1/2	1,793.19	1/2	1,532.24
3/4	3/4	3/4	3,613.94	3/4	3,353.40	3/4	3,092.46	3/4	2,831.52	3/4	2,570.58	3/4	2,309.63	3/4	2,048.69	3/4	1,787.75	3/4	1,526.81
4	4	4	3,608.78	4	3,347.97	4	3,087.03	4	2,826.08	4	2,565.14	4	2,304.20	4	2,043.26	4	1,782.31	4	1,521.37
1/4	1/4	1/4	3,603.37	1/4	3,342.53	1/4	3,081.59	1/4	2,820.65	1/4	2,559.70	1/4	2,298.76	1/4	2,037.82	1/4	1,776.88	1/4	1,515.93
1/2	1/2	1/2	3,597.95	1/2	3,337.10	1/2	3,076.15	1/2	2,815.21	1/2	2,554.27	1/2	2,293.33	1/2	2,032.38	1/2	1,771.44	1/2	1,510.50
3/4	3/4	3/4	3,592.54	3/4	3,331.66	3/4	3,070.72	3/4	2,809.77	3/4	2,548.83	3/4	2,287.89	3/4	2,026.95	3/4	1,766.00	3/4	1,505.06
5	5	5	3,587.12	5	3,326.22	5	3,065.28	5	2,804.34	5	2,543.40	5	2,282.45	5	2,021.51	5	1,760.57	5	1,499.63
1/4	1/4	1/4	3,581.69	1/4	3,320.79	1/4	3,059.84	1/4	2,798.90	1/4	2,537.96	1/4	2,277.02	1/4	2,016.07	1/4	1,755.13	1/4	1,494.19
1/2	1/2	1/2	3,576.26	1/2	3,315.35	1/2	3,054.41	1/2	2,793.47	1/2	2,532.52	1/2	2,271.58	1/2	2,010.64	1/2	1,749.70	1/2	1,488.75
3/4	3/4	3/4	3,570.83	3/4	3,309.91	3/4	3,048.97	3/4	2,788.03	3/4	2,527.09	3/4	2,266.14	3/4	2,005.20	3/4	1,744.26	3/4	1,483.32
6	6	6	3,565.40	6	3,304.48	6	3,043.53	6	2,782.59	6	2,521.65	6	2,260.71	6	1,999.77	6	1,738.82	6	1,477.88
1/4	1/4	1/4	3,559.97	1/4	3,299.04	1/4	3,038.10	1/4	2,777.16	1/4	2,516.21	1/4	2,255.27	1/4	1,994.33	1/4	1,733.39	1/4	1,472.44
1/2	1/2	1/2	3,554.53	1/2	3,293.60	1/2	3,032.66	1/2	2,771.72	1/2	2,510.78	1/2	2,249.84	1/2	1,988.89	1/2	1,727.95	1/2	1,467.01
3/4	3/4	3/4	3,549.10	3/4	3,288.17	3/4	3,027.23	3/4	2,766.28	3/4	2,505.34	3/4	2,244.40	3/4	1,983.46	3/4	1,722.51	3/4	1,461.57
7	7	7	3,543.67	7	3,282.73	7	3,021.79	7	2,760.85	7	2,499.90	7	2,238.96	7	1,978.02	7	1,717.08	7	1,456.14
1/4	1/4	1/4	3,538.24	1/4	3,277.30	1/4	3,016.35	1/4	2,755.41	1/4	2,494.47	1/4	2,233.53	1/4	1,972.58	1/4	1,711.64	1/4	1,450.70
1/2	1/2	1/2	3,532.80	1/2	3,271.86	1/2	3,010.92	1/2	2,749.97	1/2	2,489.03	1/2	2,228.09	1/2	1,967.15	1/2	1,706.21	1/2	1,445.26
3/4	3/4	3/4	3,527.37	3/4	3,266.42	3/4	3,005.48	3/4	2,744.54	3/4	2,483.60	3/4	2,222.65	3/4	1,961.71	3/4	1,700.77	3/4	1,439.83
8	8	8	3,521.93	8	3,260.99	8	3,000.04	8	2,739.10	8	2,478.16	8	2,217.22	8	1,956.27	8	1,695.33	8	1,434.39
1/4	1/4	1/4	3,516.49	1/4	3,255.55	1/4	2,994.61	1/4	2,733.67	1/4	2,472.72	1/4	2,211.78	1/4	1,950.84	1/4	1,689.90	1/4	1,428.95
1/2	1/2	1/2	3,511.06	1/2	3,250.11	1/2	2,989.17	1/2	2,728.23	1/2	2,467.29	1/2	2,206.34	1/2	1,945.40	1/2	1,684.46	1/2	1,423.52
3/4	3/4	3/4	3,505.62	3/4	3,244.68	3/4	2,983.74	3/4	2,722.79	3/4	2,461.85	3/4	2,200.91	3/4	1,939.97	3/4	1,679.02	3/4	1,418.08
9	9	9	3,500.18	9	3,239.24	9	2,978.30	9	2,717.36	9	2,456.41	9	2,195.47	9	1,934.53	9	1,673.59	9	1,412.64
1/4	1/4	1/4	3,494.75	1/4	3,233.81	1/4	2,972.86	1/4	2,711.92	1/4	2,450.98	1/4	2,190.04	1/4	1,929.09	1/4	1,668.15	1/4	1,407.21
1/2	1/2	1/2	3,489.31	1/2	3,228.37	1/2	2,967.43	1/2	2,706.48	1/2	2,445.54	1/2	2,184.60	1/2	1,923.66	1/2	1,662.71	1/2	1,401.77
3/4	3/4	3/4	3,483.88	3/4	3,222.93	3/4	2,961.99	3/4	2,701.05	3/4	2,440.11	3/4	2,179.16	3/4	1,918.22	3/4	1,657.28	3/4	1,396.34
10	10	10	3,478.44	10	3,217.50	10	2,956.55	10	2,695.61	10	2,434.67	10	2,173.73	10	1,912.78	10	1,651.84	10	1,390.90
1/4	1/4	1/4	3,473.00	1/4	3,212.06	1/4	2,951.12	1/4	2,690.18	1/4	2,429.23	1/4	2,168.29	1/4	1,907.35	1/4	1,646.41	1/4	1,385.46
1/2	1/2	1/2	3,467.57	1/2	3,206.62	1/2	2,945.68	1/2	2,684.74	1/2	2,423.80	1/2	2,162.85	1/2	1,901.91	1/2	1,640.97	1/2	1,380.03
3/4	3/4	3/4	3,462.13	3/4	3,201.19	3/4	2,940.25	3/4	2,679.30	3/4	2,418.36	3/4	2,157.42	3/4	1,896.48	3/4	1,635.53	3/4	1,374.59
11	11	11	3,456.69	11	3,195.75	11	2,934.81	11	2,673.87	11	2,412.92	11	2,151.98	11	1,891.04	11	1,630.10	11	1,369.15
1/4	1/4	1/4	3,451.26	1/4	3,190.31	1/4	2,929.37	1/4	2,668.43	1/4	2,407.49	1/4	2,146.55	1/4	1,885.60	1/4	1,624.66	1/4	1,363.72
1/2	1/2	1/2	3,445.82	1/2	3,184.88	1/2	2,923.94	1/2	2,662.99	1/2	2,402.05	1/2	2,141.11	1/2	1,880.17	1/2	1,619.22	1/2	1,358.28
3/4	3/4	3/4	3,440.38	3/4	3,179.44	3/4	2,918.50	3/4	2,657.56	3/4	2,396.62	3/4	2,135.67	3/4	1,874.73	3/4	1,613.79	3/4	1,352.85

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 1109"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-03"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,347.41	0	1,086.47	0	825.54	0	565.01	0	304.08	0	43.86	0		0		0		0	
1/4	1,341.97	1/4	1,081.03	1/4	820.12	1/4	559.57	1/4	298.64	1/4	38.93	1/4		1/4		1/4		1/4	
1/2	1,336.54	1/2	1,075.59	1/2	814.69	1/2	554.13	1/2	293.21	1/2	34.01	1/2		1/2		1/2		1/2	
3/4	1,331.10	3/4	1,070.16	3/4	809.26	3/4	548.70	3/4	287.77	3/4	29.09	3/4		3/4		3/4		3/4	
1	1,325.66	1	1,064.72	1	803.84	1	543.26	1	282.33	1	24.17	1		1		1		1	
1/4	1,320.23	1/4	1,059.29	1/4	798.41	1/4	537.83	1/4	276.90	1/4	20.55	1/4		1/4		1/4		1/4	
1/2	1,314.79	1/2	1,053.85	1/2	792.98	1/2	532.39	1/2	271.46	1/2	16.93	1/2		1/2		1/2		1/2	
3/4	1,309.36	3/4	1,048.41	3/4	787.56	3/4	526.95	3/4	266.03	3/4	13.31	3/4		3/4		3/4		3/4	
2	1,303.92	2	1,042.98	2	782.13	2	521.52	2	260.59	2	9.69	2		2		2		2	
1/4	1,298.48	1/4	1,037.54	1/4	776.70	1/4	516.08	1/4	255.15	1/4	7.87	1/4		1/4		1/4		1/4	
1/2	1,293.05	1/2	1,032.10	1/2	771.28	1/2	510.65	1/2	249.72	1/2	6.06	1/2		1/2		1/2		1/2	
3/4	1,287.61	3/4	1,026.67	3/4	765.85	3/4	505.21	3/4	244.28	3/4	4.25	3/4		3/4		3/4		3/4	
3	1,282.17	3	1,021.23	3	760.43	3	499.77	3	238.85	3	2.44	3		3		3		3	
1/4	1,276.74	1/4	1,015.79	1/4	755.00	1/4	494.34	1/4	233.41	1/4		1/4		1/4		1/4		1/4	
1/2	1,271.30	1/2	1,010.36	1/2	749.58	1/2	488.90	1/2	227.97	1/2		1/2		1/2		1/2		1/2	
3/4	1,265.86	3/4	1,004.92	3/4	744.15	3/4	483.47	3/4	222.54	3/4		3/4		3/4		3/4		3/4	
4	1,260.43	4	999.49	4	738.73	4	478.03	4	217.10	4		4		4		4		4	
1/4	1,254.99	1/4	994.05	1/4	733.30	1/4	472.59	1/4	211.67	1/4		1/4		1/4		1/4		1/4	
1/2	1,249.56	1/2	988.61	1/2	727.88	1/2	467.16	1/2	206.23	1/2		1/2		1/2		1/2		1/2	
3/4	1,244.12	3/4	983.18	3/4	722.45	3/4	461.72	3/4	200.79	3/4		3/4		3/4		3/4		3/4	
5	1,238.68	5	977.74	5	717.03	5	456.29	5	195.36	5		5		5		5		5	
1/4	1,233.25	1/4	972.30	1/4	711.60	1/4	450.85	1/4	189.92	1/4		1/4		1/4		1/4		1/4	
1/2	1,227.81	1/2	966.87	1/2	706.17	1/2	445.41	1/2	184.49	1/2		1/2		1/2		1/2		1/2	
3/4	1,222.37	3/4	961.43	3/4	700.75	3/4	439.98	3/4	179.05	3/4		3/4		3/4		3/4		3/4	
6	1,216.94	6	956.00	6	695.32	6	434.54	6	173.61	6		6		6		6		6	
1/4	1,211.50	1/4	950.56	1/4	689.90	1/4	429.11	1/4	168.18	1/4		1/4		1/4		1/4		1/4	
1/2	1,206.07	1/2	945.12	1/2	684.47	1/2	423.67	1/2	162.74	1/2		1/2		1/2		1/2		1/2	
3/4	1,200.63	3/4	939.69	3/4	679.05	3/4	418.23	3/4	157.31	3/4		3/4		3/4		3/4		3/4	
7	1,195.19	7	934.25	7	673.62	7	412.80	7	151.87	7		7		7		7		7	
1/4	1,189.76	1/4	928.81	1/4	668.20	1/4	407.36	1/4	146.44	1/4		1/4		1/4		1/4		1/4	
1/2	1,184.32	1/2	923.38	1/2	662.77	1/2	401.93	1/2	141.01	1/2		1/2		1/2		1/2		1/2	
3/4	1,178.88	3/4	917.94	3/4	657.35	3/4	396.49	3/4	135.57	3/4		3/4		3/4		3/4		3/4	
8	1,173.45	8	912.51	8	651.92	8	391.05	8	130.14	8		8		8		8		8	
1/4	1,168.01	1/4	907.07	1/4	646.50	1/4	385.62	1/4	124.72	1/4		1/4		1/4		1/4		1/4	
1/2	1,162.58	1/2	901.63	1/2	641.07	1/2	380.18	1/2	119.29	1/2		1/2		1/2		1/2		1/2	
3/4	1,157.14	3/4	896.20	3/4	635.64	3/4	374.75	3/4	113.87	3/4		3/4		3/4		3/4		3/4	
9	1,151.70	9	890.76	9	630.22	9	369.31	9	108.44	9		9		9		9		9	
1/4	1,146.27	1/4	885.32	1/4	624.79	1/4	363.87	1/4	103.03	1/4		1/4		1/4		1/4		1/4	
1/2	1,140.83	1/2	879.89	1/2	619.36	1/2	358.44	1/2	97.62	1/2		1/2		1/2		1/2		1/2	
3/4	1,135.39	3/4	874.45	3/4	613.92	3/4	353.00	3/4	92.21	3/4		3/4		3/4		3/4		3/4	
10	1,129.96	10	869.01	10	608.49	10	347.57	10	86.80	10		10		10		10		10	
1/4	1,124.52	1/4	863.58	1/4	603.06	1/4	342.13	1/4	81.41	1/4		1/4		1/4		1/4		1/4	
1/2	1,119.08	1/2	858.14	1/2	597.62	1/2	336.69	1/2	76.03	1/2		1/2		1/2		1/2		1/2	
3/4	1,113.65	3/4	852.71	3/4	592.19	3/4	331.26	3/4	70.64	3/4		3/4		3/4		3/4		3/4	
11	1,108.21	11	847.27	11	586.75	11	325.82	11	65.25	11		11		11		11		11	
1/4	1,102.78	1/4	841.84	1/4	581.31	1/4	320.39	1/4	59.90	1/4		1/4		1/4		1/4		1/4	
1/2	1,097.34	1/2	836.41	1/2	575.88	1/2	314.95	1/2	54.55	1/2		1/2		1/2		1/2		1/2	
3/4	1,091.90	3/4	830.98	3/4	570.44	3/4	309.51	3/4	49.21	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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