



# BARGE "IB 1209"

## ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8
2 CENTER	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 00-7/8	00-7/8
3 CENTER	- 00-1/8	00-1/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-0/8	01-0/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 CENTER IS 00-1/4"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 1/4"

LENGTH BETWEEN DRAFT MARKS: 163'-00"

February 22, 2018

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

<http://www.pmacorp.net>



# BARGE "IB 1209"

# 1 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	3,706.59	0	3,505.72	0	3,270.10	0	3,034.47	0	2,785.41	0	2,509.86	0	2,234.51	0	1,959.18	0	1,683.82
1/4		1/4	3,706.47	1/4	3,500.81	1/4	3,265.19	1/4	3,029.56	1/4	2,779.66	1/4	2,504.13	1/4	2,228.78	1/4	1,953.44	1/4	1,678.08
1/2		1/2	3,706.35	1/2	3,495.90	1/2	3,260.28	1/2	3,024.65	1/2	2,773.91	1/2	2,498.39	1/2	2,223.04	1/2	1,947.70	1/2	1,672.35
3/4		3/4	3,706.24	3/4	3,491.00	3/4	3,255.37	3/4	3,019.74	3/4	2,768.16	3/4	2,492.65	3/4	2,217.31	3/4	1,941.97	3/4	1,666.61
1		1	3,706.12	1	3,486.09	1	3,250.46	1	3,014.83	1	2,762.42	1	2,486.92	1	2,211.57	1	1,936.23	1	1,660.87
1/4		1/4	3,704.08	1/4	3,481.18	1/4	3,245.55	1/4	3,009.92	1/4	2,756.67	1/4	2,481.18	1/4	2,205.84	1/4	1,930.49	1/4	1,655.14
1/2		1/2	3,702.05	1/2	3,476.27	1/2	3,240.64	1/2	3,005.01	1/2	2,750.92	1/2	2,475.44	1/2	2,200.10	1/2	1,924.76	1/2	1,649.40
3/4		3/4	3,700.01	3/4	3,471.36	3/4	3,235.73	3/4	3,000.11	3/4	2,745.17	3/4	2,469.71	3/4	2,194.36	3/4	1,919.02	3/4	1,643.66
2		2	3,697.98	2	3,466.45	2	3,230.82	2	2,995.20	2	2,739.42	2	2,463.97	2	2,188.63	2	1,913.28	2	1,637.93
1/4		1/4	3,694.03	1/4	3,461.54	1/4	3,225.92	1/4	2,990.29	1/4	2,733.67	1/4	2,458.24	1/4	2,182.89	1/4	1,907.55	1/4	1,632.19
1/2		1/2	3,690.08	1/2	3,456.63	1/2	3,221.01	1/2	2,985.38	1/2	2,727.92	1/2	2,452.50	1/2	2,177.16	1/2	1,901.81	1/2	1,626.45
3/4		3/4	3,686.13	3/4	3,451.72	3/4	3,216.10	3/4	2,980.47	3/4	2,722.18	3/4	2,446.76	3/4	2,171.42	3/4	1,896.07	3/4	1,620.72
3		3	3,682.18	3	3,446.82	3	3,211.19	3	2,975.56	3	2,716.43	3	2,441.03	3	2,165.68	3	1,890.34	3	1,614.98
1/4		1/4	3,677.33	1/4	3,441.91	1/4	3,206.28	1/4	2,970.65	1/4	2,710.68	1/4	2,435.29	1/4	2,159.95	1/4	1,884.60	1/4	1,609.24
1/2		1/2	3,672.47	1/2	3,437.00	1/2	3,201.37	1/2	2,965.74	1/2	2,704.93	1/2	2,429.55	1/2	2,154.21	1/2	1,878.86	1/2	1,603.51
3/4		3/4	3,667.61	3/4	3,432.09	3/4	3,196.46	3/4	2,960.83	3/4	2,699.18	3/4	2,423.82	3/4	2,148.48	3/4	1,873.13	3/4	1,597.77
4		4	3,662.75	4	3,427.18	4	3,191.55	4	2,955.93	4	2,693.44	4	2,418.08	4	2,142.74	4	1,867.39	4	1,592.03
1/4		1/4	3,657.85	1/4	3,422.27	1/4	3,186.64	1/4	2,951.02	1/4	2,687.70	1/4	2,412.34	1/4	2,137.01	1/4	1,861.65	1/4	1,586.30
1/2		1/2	3,652.96	1/2	3,417.36	1/2	3,181.74	1/2	2,946.11	1/2	2,681.96	1/2	2,406.61	1/2	2,131.27	1/2	1,855.92	1/2	1,580.56
3/4		3/4	3,648.06	3/4	3,412.45	3/4	3,176.83	3/4	2,941.20	3/4	2,676.23	3/4	2,400.87	3/4	2,125.53	3/4	1,850.18	3/4	1,574.82
5		5	3,643.17	5	3,407.54	5	3,171.92	5	2,936.29	5	2,670.49	5	2,395.13	5	2,119.80	5	1,844.44	5	1,569.09
1/4		1/4	3,638.26	1/4	3,402.64	1/4	3,167.01	1/4	2,931.38	1/4	2,664.75	1/4	2,389.40	1/4	2,114.06	1/4	1,838.71	1/4	1,563.37
1/2		1/2	3,633.35	1/2	3,397.73	1/2	3,162.10	1/2	2,926.47	1/2	2,659.02	1/2	2,383.66	1/2	2,108.33	1/2	1,832.97	1/2	1,557.64
3/4		3/4	3,628.44	3/4	3,392.82	3/4	3,157.19	3/4	2,921.56	3/4	2,653.28	3/4	2,377.92	3/4	2,102.59	3/4	1,827.23	3/4	1,551.92
6		6	3,623.54	6	3,387.91	6	3,152.28	6	2,916.65	6	2,647.54	6	2,372.19	6	2,096.85	6	1,821.50	6	1,546.20
1/4		1/4	3,618.63	1/4	3,383.00	1/4	3,147.37	1/4	2,911.75	1/4	2,641.81	1/4	2,366.45	1/4	2,091.12	1/4	1,815.76	1/4	1,540.48
1/2		1/2	3,613.72	1/2	3,378.09	1/2	3,142.46	1/2	2,906.84	1/2	2,636.07	1/2	2,360.71	1/2	2,085.38	1/2	1,810.02	1/2	1,534.75
3/4		3/4	3,608.81	3/4	3,373.18	3/4	3,137.55	3/4	2,901.93	3/4	2,630.33	3/4	2,354.98	3/4	2,079.65	3/4	1,804.29	3/4	1,529.03
7		7	3,603.90	7	3,368.27	7	3,132.65	7	2,897.02	7	2,624.60	7	2,349.24	7	2,073.91	7	1,798.55	7	1,523.31
1/4		1/4	3,598.99	1/4	3,363.36	1/4	3,127.74	1/4	2,892.11	1/4	2,618.86	1/4	2,343.50	1/4	2,068.17	1/4	1,792.82	1/4	1,517.59
1/2		1/2	3,594.08	1/2	3,358.46	1/2	3,122.83	1/2	2,887.20	1/2	2,613.12	1/2	2,337.77	1/2	2,062.44	1/2	1,787.08	1/2	1,511.86
3/4		3/4	3,589.17	3/4	3,353.55	3/4	3,117.92	3/4	2,882.29	3/4	2,607.39	3/4	2,332.03	3/4	2,056.70	3/4	1,781.34	3/4	1,506.14
8		8	3,584.26	8	3,348.64	8	3,113.01	8	2,877.38	8	2,601.65	8	2,326.29	8	2,050.96	8	1,775.61	8	1,500.42
1/4		1/4	3,579.36	1/4	3,343.73	1/4	3,108.10	1/4	2,871.63	1/4	2,595.91	1/4	2,320.56	1/4	2,045.23	1/4	1,769.87	1/4	1,494.70
1/2		1/2	3,574.45	1/2	3,338.82	1/2	3,103.19	1/2	2,865.89	1/2	2,590.18	1/2	2,314.82	1/2	2,039.49	1/2	1,764.13	1/2	1,488.98
3/4		3/4	3,569.54	3/4	3,333.91	3/4	3,098.28	3/4	2,860.14	3/4	2,584.44	3/4	2,309.08	3/4	2,033.75	3/4	1,758.40	3/4	1,483.25
9		9	3,564.63	9	3,329.00	9	3,093.37	9	2,854.39	9	2,578.70	9	2,303.35	9	2,028.02	9	1,752.66	9	1,477.53
1/4		1/4	3,559.72	1/4	3,324.09	1/4	3,088.47	1/4	2,848.64	1/4	2,572.97	1/4	2,297.61	1/4	2,022.28	1/4	1,746.92	1/4	1,471.81
1/2		1/2	3,554.81	1/2	3,319.18	1/2	3,083.56	1/2	2,842.89	1/2	2,567.23	1/2	2,291.87	1/2	2,016.54	1/2	1,741.19	1/2	1,466.09
3/4		3/4	3,549.90	3/4	3,314.28	3/4	3,078.65	3/4	2,837.14	3/4	2,561.49	3/4	2,286.14	3/4	2,010.81	3/4	1,735.45	3/4	1,460.36
10		10	3,544.99	10	3,309.37	10	3,073.74	10	2,831.40	10	2,555.76	10	2,280.40	10	2,005.07	10	1,729.71	10	1,454.64
1/4		1/4	3,540.08	1/4	3,304.46	1/4	3,068.83	1/4	2,825.65	1/4	2,550.02	1/4	2,274.66	1/4	1,999.33	1/4	1,723.98	1/4	1,448.92
1/2		1/2	3,535.18	1/2	3,299.55	1/2	3,063.92	1/2	2,819.90	1/2	2,544.28	1/2	2,268.93	1/2	1,993.60	1/2	1,718.24	1/2	1,443.20
3/4		3/4	3,530.27	3/4	3,294.64	3/4	3,059.01	3/4	2,814.15	3/4	2,538.55	3/4	2,263.19	3/4	1,987.86	3/4	1,712.50	3/4	1,437.47
11		11	3,525.36	11	3,289.73	11	3,054.10	11	2,808.40	11	2,532.81	11	2,257.46	11	1,982.12	11	1,706.77	11	1,431.75
1/4		1/4	3,520.45	1/4	3,284.82	1/4	3,049.19	1/4	2,802.65	1/4	2,527.07	1/4	2,251.72	1/4	1,976.39	1/4	1,701.03	1/4	1,426.03
1/2		1/2	3,515.54	1/2	3,279.91	1/2	3,044.29	1/2	2,796.91	1/2	2,521.34	1/2	2,245.99	1/2	1,970.65	1/2	1,695.29	1/2	1,420.31
3/4		3/4	3,510.63	3/4	3,275.00	3/4	3,039.38	3/4	2,791.16	3/4	2,515.60	3/4	2,240.25	3/4	1,964.91	3/4	1,689.56	3/4	1,414.59

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-03" FORWARD OF AFT BULKHEAD.

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



# BARGE "IB 1209"

## 1 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	1,408.86	0	1,133.79	0	859.17	0	589.27	0	313.90	0	38.52	0		0		0		0	
1/4	1,403.14	1/4	1,128.06	1/4	853.59	1/4	583.53	1/4	308.17	1/4	33.73	1/4		1/4		1/4		1/4	
1/2	1,397.42	1/2	1,122.32	1/2	848.00	1/2	577.80	1/2	302.43	1/2	28.94	1/2		1/2		1/2		1/2	
3/4	1,391.70	3/4	1,116.59	3/4	842.42	3/4	572.06	3/4	296.69	3/4	24.16	3/4		3/4		3/4		3/4	
1	1,385.97	1	1,110.86	1	836.83	1	566.32	1	290.95	1	19.37	1		1		1		1	
1/4	1,380.25	1/4	1,105.12	1/4	831.25	1/4	560.59	1/4	285.22	1/4	16.49	1/4		1/4		1/4		1/4	
1/2	1,374.53	1/2	1,099.39	1/2	825.66	1/2	554.85	1/2	279.48	1/2	13.62	1/2		1/2		1/2		1/2	
3/4	1,368.81	3/4	1,093.66	3/4	820.08	3/4	549.11	3/4	273.74	3/4	10.74	3/4		3/4		3/4		3/4	
2	1,363.08	2	1,087.92	2	814.49	2	543.37	2	268.01	2	7.87	2		2		2		2	
1/4	1,357.36	1/4	1,082.19	1/4	808.91	1/4	537.64	1/4	262.27	1/4	6.91	1/4		1/4		1/4		1/4	
1/2	1,351.64	1/2	1,076.45	1/2	803.32	1/2	531.90	1/2	256.53	1/2	5.95	1/2		1/2		1/2		1/2	
3/4	1,345.92	3/4	1,070.72	3/4	797.74	3/4	526.16	3/4	250.80	3/4	5.00	3/4		3/4		3/4		3/4	
3	1,340.20	3	1,064.99	3	792.15	3	520.43	3	245.06	3	4.03	3		3		3		3	
1/4	1,334.46	1/4	1,059.25	1/4	786.57	1/4	514.69	1/4	239.32	1/4		1/4		1/4		1/4		1/4	
1/2	1,328.73	1/2	1,053.52	1/2	780.98	1/2	508.95	1/2	233.58	1/2		1/2		1/2		1/2		1/2	
3/4	1,323.00	3/4	1,047.79	3/4	775.40	3/4	503.22	3/4	227.85	3/4		3/4		3/4		3/4		3/4	
4	1,317.26	4	1,042.05	4	769.81	4	497.48	4	222.11	4		4		4		4		4	
1/4	1,311.53	1/4	1,036.32	1/4	764.23	1/4	491.74	1/4	216.37	1/4		1/4		1/4		1/4		1/4	
1/2	1,305.79	1/2	1,030.59	1/2	758.64	1/2	486.01	1/2	210.63	1/2		1/2		1/2		1/2		1/2	
3/4	1,300.06	3/4	1,024.85	3/4	753.06	3/4	480.27	3/4	204.88	3/4		3/4		3/4		3/4		3/4	
5	1,294.33	5	1,019.12	5	747.47	5	474.53	5	199.14	5		5		5		5		5	
1/4	1,288.59	1/4	1,013.39	1/4	741.89	1/4	468.80	1/4	193.40	1/4		1/4		1/4		1/4		1/4	
1/2	1,282.86	1/2	1,007.65	1/2	736.30	1/2	463.06	1/2	187.65	1/2		1/2		1/2		1/2		1/2	
3/4	1,277.13	3/4	1,001.92	3/4	730.72	3/4	457.32	3/4	181.91	3/4		3/4		3/4		3/4		3/4	
6	1,271.39	6	996.19	6	725.13	6	451.59	6	176.16	6		6		6		6		6	
1/4	1,265.66	1/4	990.45	1/4	719.55	1/4	445.85	1/4	170.43	1/4		1/4		1/4		1/4		1/4	
1/2	1,259.93	1/2	984.72	1/2	713.96	1/2	440.11	1/2	164.69	1/2		1/2		1/2		1/2		1/2	
3/4	1,254.19	3/4	978.99	3/4	708.38	3/4	434.38	3/4	158.95	3/4		3/4		3/4		3/4		3/4	
7	1,248.46	7	973.25	7	702.79	7	428.64	7	153.21	7		7		7		7		7	
1/4	1,242.73	1/4	967.52	1/4	697.21	1/4	422.90	1/4	147.47	1/4		1/4		1/4		1/4		1/4	
1/2	1,236.99	1/2	961.78	1/2	691.62	1/2	417.17	1/2	141.72	1/2		1/2		1/2		1/2		1/2	
3/4	1,231.26	3/4	956.05	3/4	686.04	3/4	411.43	3/4	135.98	3/4		3/4		3/4		3/4		3/4	
8	1,225.53	8	950.32	8	680.45	8	405.69	8	130.23	8		8		8		8		8	
1/4	1,219.79	1/4	944.58	1/4	674.87	1/4	399.95	1/4	124.49	1/4		1/4		1/4		1/4		1/4	
1/2	1,214.06	1/2	938.85	1/2	669.28	1/2	394.22	1/2	118.74	1/2		1/2		1/2		1/2		1/2	
3/4	1,208.33	3/4	933.12	3/4	663.70	3/4	388.48	3/4	112.99	3/4		3/4		3/4		3/4		3/4	
9	1,202.59	9	927.38	9	658.11	9	382.74	9	107.24	9		9		9		9		9	
1/4	1,196.86	1/4	921.65	1/4	652.37	1/4	377.01	1/4	101.49	1/4		1/4		1/4		1/4		1/4	
1/2	1,191.12	1/2	915.92	1/2	646.64	1/2	371.27	1/2	95.75	1/2		1/2		1/2		1/2		1/2	
3/4	1,185.39	3/4	910.18	3/4	640.90	3/4	365.53	3/4	90.00	3/4		3/4		3/4		3/4		3/4	
10	1,179.66	10	904.45	10	635.16	10	359.80	10	84.25	10		10		10		10		10	
1/4	1,173.92	1/4	898.72	1/4	629.43	1/4	354.06	1/4	78.52	1/4		1/4		1/4		1/4		1/4	
1/2	1,168.19	1/2	892.98	1/2	623.69	1/2	348.32	1/2	72.78	1/2		1/2		1/2		1/2		1/2	
3/4	1,162.46	3/4	887.25	3/4	617.95	3/4	342.59	3/4	67.05	3/4		3/4		3/4		3/4		3/4	
11	1,156.72	11	881.52	11	612.22	11	336.85	11	61.32	11		11		11		11		11	
1/4	1,150.99	1/4	875.93	1/4	606.48	1/4	331.11	1/4	55.62	1/4		1/4		1/4		1/4		1/4	
1/2	1,145.26	1/2	870.34	1/2	600.74	1/2	325.38	1/2	49.92	1/2		1/2		1/2		1/2		1/2	
3/4	1,139.52	3/4	864.76	3/4	595.01	3/4	319.64	3/4	44.22	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/22/2018 CL  
CALCULATED: 02/22/2018 CL  
PRINTED: 02/23/2018 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2018

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



# BARGE "IB 1209"

## 2 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	3,407.52	0	3,194.44	0	2,950.62	0	2,706.81	0	2,462.99	0	2,219.18	0	1,975.36	0	1,731.54	0	1,487.73
1/4		1/4	3,406.67	1/4	3,189.36	1/4	2,945.54	1/4	2,701.73	1/4	2,457.91	1/4	2,214.10	1/4	1,970.28	1/4	1,726.46	1/4	1,482.65
1/2		1/2	3,405.83	1/2	3,184.28	1/2	2,940.46	1/2	2,696.65	1/2	2,452.83	1/2	2,209.02	1/2	1,965.20	1/2	1,721.38	1/2	1,477.57
3/4		3/4	3,404.98	3/4	3,179.20	3/4	2,935.38	3/4	2,691.57	3/4	2,447.75	3/4	2,203.94	3/4	1,960.12	3/4	1,716.30	3/4	1,472.49
1		1	3,404.13	1	3,174.12	1	2,930.31	1	2,686.49	1	2,442.67	1	2,198.86	1	1,955.04	1	1,711.23	1	1,467.41
1/4		1/4	3,401.59	1/4	3,169.04	1/4	2,925.23	1/4	2,681.41	1/4	2,437.59	1/4	2,193.78	1/4	1,949.96	1/4	1,706.15	1/4	1,462.33
1/2		1/2	3,399.05	1/2	3,163.96	1/2	2,920.15	1/2	2,676.33	1/2	2,432.51	1/2	2,188.70	1/2	1,944.88	1/2	1,701.07	1/2	1,457.25
3/4		3/4	3,396.51	3/4	3,158.88	3/4	2,915.07	3/4	2,671.25	3/4	2,427.43	3/4	2,183.62	3/4	1,939.80	3/4	1,695.99	3/4	1,452.17
2		2	3,393.97	2	3,153.80	2	2,909.99	2	2,666.17	2	2,422.36	2	2,178.54	2	1,934.72	2	1,690.91	2	1,447.09
1/4		1/4	3,389.74	1/4	3,148.72	1/4	2,904.91	1/4	2,661.09	1/4	2,417.28	1/4	2,173.46	1/4	1,929.64	1/4	1,685.83	1/4	1,442.01
1/2		1/2	3,385.51	1/2	3,143.64	1/2	2,899.83	1/2	2,656.01	1/2	2,412.20	1/2	2,168.38	1/2	1,924.56	1/2	1,680.75	1/2	1,436.93
3/4		3/4	3,381.28	3/4	3,138.56	3/4	2,894.75	3/4	2,650.93	3/4	2,407.12	3/4	2,163.30	3/4	1,919.48	3/4	1,675.67	3/4	1,431.85
3		3	3,377.05	3	3,133.49	3	2,889.67	3	2,645.85	3	2,402.04	3	2,158.22	3	1,914.41	3	1,670.59	3	1,426.77
1/4		1/4	3,372.02	1/4	3,128.41	1/4	2,884.59	1/4	2,640.77	1/4	2,396.96	1/4	2,153.14	1/4	1,909.33	1/4	1,665.51	1/4	1,421.69
1/2		1/2	3,366.98	1/2	3,123.33	1/2	2,879.51	1/2	2,635.69	1/2	2,391.88	1/2	2,148.06	1/2	1,904.25	1/2	1,660.43	1/2	1,416.61
3/4		3/4	3,361.95	3/4	3,118.25	3/4	2,874.43	3/4	2,630.61	3/4	2,386.80	3/4	2,142.98	3/4	1,899.17	3/4	1,655.35	3/4	1,411.53
4		4	3,356.91	4	3,113.17	4	2,869.35	4	2,625.54	4	2,381.72	4	2,137.90	4	1,894.09	4	1,650.27	4	1,406.46
1/4		1/4	3,351.84	1/4	3,108.09	1/4	2,864.27	1/4	2,620.46	1/4	2,376.64	1/4	2,132.82	1/4	1,889.01	1/4	1,645.19	1/4	1,401.38
1/2		1/2	3,346.78	1/2	3,103.01	1/2	2,859.19	1/2	2,615.38	1/2	2,371.56	1/2	2,127.74	1/2	1,883.93	1/2	1,640.11	1/2	1,396.30
3/4		3/4	3,341.71	3/4	3,097.93	3/4	2,854.11	3/4	2,610.30	3/4	2,366.48	3/4	2,122.66	3/4	1,878.85	3/4	1,635.03	3/4	1,391.22
5		5	3,336.64	5	3,092.85	5	2,849.03	5	2,605.22	5	2,361.40	5	2,117.59	5	1,873.77	5	1,629.95	5	1,386.14
1/4		1/4	3,331.57	1/4	3,087.77	1/4	2,843.95	1/4	2,600.14	1/4	2,356.32	1/4	2,112.51	1/4	1,868.69	1/4	1,624.87	1/4	1,381.06
1/2		1/2	3,326.50	1/2	3,082.69	1/2	2,838.87	1/2	2,595.06	1/2	2,351.24	1/2	2,107.43	1/2	1,863.61	1/2	1,619.79	1/2	1,375.98
3/4		3/4	3,321.42	3/4	3,077.61	3/4	2,833.79	3/4	2,589.98	3/4	2,346.16	3/4	2,102.35	3/4	1,858.53	3/4	1,614.71	3/4	1,370.90
6		6	3,316.35	6	3,072.53	6	2,828.72	6	2,584.90	6	2,341.08	6	2,097.27	6	1,853.45	6	1,609.64	6	1,365.82
1/4		1/4	3,311.27	1/4	3,067.45	1/4	2,823.64	1/4	2,579.82	1/4	2,336.00	1/4	2,092.19	1/4	1,848.37	1/4	1,604.56	1/4	1,360.74
1/2		1/2	3,306.19	1/2	3,062.37	1/2	2,818.56	1/2	2,574.74	1/2	2,330.92	1/2	2,087.11	1/2	1,843.29	1/2	1,599.48	1/2	1,355.66
3/4		3/4	3,301.11	3/4	3,057.29	3/4	2,813.48	3/4	2,569.66	3/4	2,325.84	3/4	2,082.03	3/4	1,838.21	3/4	1,594.40	3/4	1,350.58
7		7	3,296.03	7	3,052.21	7	2,808.40	7	2,564.58	7	2,320.77	7	2,076.95	7	1,833.13	7	1,589.32	7	1,345.50
1/4		1/4	3,290.95	1/4	3,047.13	1/4	2,803.32	1/4	2,559.50	1/4	2,315.69	1/4	2,071.87	1/4	1,828.05	1/4	1,584.24	1/4	1,340.42
1/2		1/2	3,285.87	1/2	3,042.05	1/2	2,798.24	1/2	2,554.42	1/2	2,310.61	1/2	2,066.79	1/2	1,822.97	1/2	1,579.16	1/2	1,335.34
3/4		3/4	3,280.79	3/4	3,036.97	3/4	2,793.16	3/4	2,549.34	3/4	2,305.53	3/4	2,061.71	3/4	1,817.89	3/4	1,574.08	3/4	1,330.26
8		8	3,275.71	8	3,031.90	8	2,788.08	8	2,544.26	8	2,300.45	8	2,056.63	8	1,812.82	8	1,569.00	8	1,325.18
1/4		1/4	3,270.63	1/4	3,026.82	1/4	2,783.00	1/4	2,539.18	1/4	2,295.37	1/4	2,051.55	1/4	1,807.74	1/4	1,563.92	1/4	1,320.10
1/2		1/2	3,265.55	1/2	3,021.74	1/2	2,777.92	1/2	2,534.10	1/2	2,290.29	1/2	2,046.47	1/2	1,802.66	1/2	1,558.84	1/2	1,315.02
3/4		3/4	3,260.47	3/4	3,016.66	3/4	2,772.84	3/4	2,529.02	3/4	2,285.21	3/4	2,041.39	3/4	1,797.58	3/4	1,553.76	3/4	1,309.94
9		9	3,255.39	9	3,011.58	9	2,767.76	9	2,523.95	9	2,280.13	9	2,036.31	9	1,792.50	9	1,548.68	9	1,304.87
1/4		1/4	3,250.31	1/4	3,006.50	1/4	2,762.68	1/4	2,518.87	1/4	2,275.05	1/4	2,031.23	1/4	1,787.42	1/4	1,543.60	1/4	1,299.79
1/2		1/2	3,245.23	1/2	3,001.42	1/2	2,757.60	1/2	2,513.79	1/2	2,269.97	1/2	2,026.15	1/2	1,782.34	1/2	1,538.52	1/2	1,294.71
3/4		3/4	3,240.15	3/4	2,996.34	3/4	2,752.52	3/4	2,508.71	3/4	2,264.89	3/4	2,021.07	3/4	1,777.26	3/4	1,533.44	3/4	1,289.63
10		10	3,235.08	10	2,991.26	10	2,747.44	10	2,503.63	10	2,259.81	10	2,016.00	10	1,772.18	10	1,528.36	10	1,284.55
1/4		1/4	3,230.00	1/4	2,986.18	1/4	2,742.36	1/4	2,498.55	1/4	2,254.73	1/4	2,010.92	1/4	1,767.10	1/4	1,523.28	1/4	1,279.47
1/2		1/2	3,224.92	1/2	2,981.10	1/2	2,737.28	1/2	2,493.47	1/2	2,249.65	1/2	2,005.84	1/2	1,762.02	1/2	1,518.20	1/2	1,274.39
3/4		3/4	3,219.84	3/4	2,976.02	3/4	2,732.20	3/4	2,488.39	3/4	2,244.57	3/4	2,000.76	3/4	1,756.94	3/4	1,513.12	3/4	1,269.31
11		11	3,214.76	11	2,970.94	11	2,727.13	11	2,483.31	11	2,239.49	11	1,995.68	11	1,751.86	11	1,508.05	11	1,264.23
1/4		1/4	3,209.68	1/4	2,965.86	1/4	2,722.05	1/4	2,478.23	1/4	2,234.41	1/4	1,990.60	1/4	1,746.78	1/4	1,502.97	1/4	1,259.15
1/2		1/2	3,204.60	1/2	2,960.78	1/2	2,716.97	1/2	2,473.15	1/2	2,229.33	1/2	1,985.52	1/2	1,741.70	1/2	1,497.89	1/2	1,254.07
3/4		3/4	3,199.52	3/4	2,955.70	3/4	2,711.89	3/4	2,468.07	3/4	2,224.25	3/4	1,980.44	3/4	1,736.62	3/4	1,492.81	3/4	1,248.99

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "IB 1209"

## 2 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	1,243.91	0	1,000.10	0	756.88	0	518.47	0	274.66	0	31.10	0		0		0		0	
1/4	1,238.83	1/4	995.02	1/4	751.94	1/4	513.39	1/4	269.58	1/4	26.87	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,233.75	1/2	989.94	1/2	747.01	1/2	508.31	1/2	264.51	1/2	22.64	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,228.67	3/4	984.86	3/4	742.08	3/4	503.23	3/4	259.43	3/4	18.40	3/4		3/4	3/4	3/4		3/4	3/4
1	1,223.59	1	979.78	1	737.15	1	498.15	1	254.35	1	14.17	1		1		1		1	
1/4	1,218.51	1/4	974.70	1/4	732.22	1/4	493.07	1/4	249.27	1/4	11.63	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,213.43	1/2	969.62	1/2	727.30	1/2	487.99	1/2	244.19	1/2	9.10	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,208.35	3/4	964.54	3/4	722.37	3/4	482.92	3/4	239.11	3/4	6.56	3/4		3/4	3/4	3/4		3/4	3/4
2	1,203.28	2	959.46	2	717.44	2	477.84	2	234.03	2	4.02	2		2		2		2	
1/4	1,198.20	1/4	954.38	1/4	712.51	1/4	472.76	1/4	228.95	1/4	3.17	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,193.12	1/2	949.30	1/2	707.58	1/2	467.68	1/2	223.87	1/2	2.32	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,188.04	3/4	944.22	3/4	702.65	3/4	462.60	3/4	218.79	3/4	1.48	3/4		3/4	3/4	3/4		3/4	3/4
3	1,182.96	3	939.14	3	697.72	3	457.52	3	213.71	3	0.63	3		3		3		3	
1/4	1,177.88	1/4	934.06	1/4	692.79	1/4	452.44	1/4	208.63	1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,172.80	1/2	928.98	1/2	687.86	1/2	447.36	1/2	203.55	1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,167.72	3/4	923.90	3/4	682.93	3/4	442.28	3/4	198.47	3/4		3/4		3/4	3/4	3/4		3/4	3/4
4	1,162.64	4	918.82	4	678.00	4	437.20	4	193.40	4		4		4		4		4	
1/4	1,157.56	1/4	913.74	1/4	673.07	1/4	432.12	1/4	188.32	1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,152.48	1/2	908.66	1/2	668.15	1/2	427.04	1/2	183.24	1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,147.40	3/4	903.58	3/4	663.22	3/4	421.96	3/4	178.16	3/4		3/4		3/4	3/4	3/4		3/4	3/4
5	1,142.32	5	898.51	5	658.29	5	416.88	5	173.08	5		5		5		5		5	
1/4	1,137.24	1/4	893.43	1/4	653.36	1/4	411.81	1/4	168.00	1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,132.16	1/2	888.35	1/2	648.43	1/2	406.73	1/2	162.92	1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,127.08	3/4	883.27	3/4	643.50	3/4	401.65	3/4	157.84	3/4		3/4		3/4	3/4	3/4		3/4	3/4
6	1,122.00	6	878.19	6	638.57	6	396.57	6	152.76	6		6		6		6		6	
1/4	1,116.92	1/4	873.11	1/4	633.64	1/4	391.49	1/4	147.68	1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,111.84	1/2	868.03	1/2	628.71	1/2	386.41	1/2	142.61	1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,106.76	3/4	862.95	3/4	623.78	3/4	381.33	3/4	137.53	3/4		3/4		3/4	3/4	3/4		3/4	3/4
7	1,101.69	7	857.87	7	618.85	7	376.25	7	132.45	7		7		7		7		7	
1/4	1,096.61	1/4	852.79	1/4	613.93	1/4	371.17	1/4	127.37	1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,091.53	1/2	847.71	1/2	609.00	1/2	366.09	1/2	122.29	1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,086.45	3/4	842.63	3/4	604.07	3/4	361.01	3/4	117.21	3/4		3/4		3/4	3/4	3/4		3/4	3/4
8	1,081.37	8	837.55	8	599.14	8	355.93	8	112.13	8		8		8		8		8	
1/4	1,076.29	1/4	832.47	1/4	594.21	1/4	350.85	1/4	107.05	1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,071.21	1/2	827.39	1/2	589.28	1/2	345.77	1/2	101.97	1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,066.13	3/4	822.31	3/4	584.35	3/4	340.69	3/4	96.89	3/4		3/4		3/4	3/4	3/4		3/4	3/4
9	1,061.05	9	817.23	9	579.42	9	335.62	9	91.81	9		9		9		9		9	
1/4	1,055.97	1/4	812.15	1/4	574.34	1/4	330.54	1/4	86.74	1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,050.89	1/2	807.07	1/2	569.26	1/2	325.46	1/2	81.66	1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,045.81	3/4	801.99	3/4	564.18	3/4	320.38	3/4	76.58	3/4		3/4		3/4	3/4	3/4		3/4	3/4
10	1,040.73	10	796.92	10	559.10	10	315.30	10	71.50	10		10		10		10		10	
1/4	1,035.65	1/4	791.84	1/4	554.03	1/4	310.22	1/4	66.44	1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,030.57	1/2	786.76	1/2	548.95	1/2	305.14	1/2	61.37	1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,025.49	3/4	781.68	3/4	543.87	3/4	300.06	3/4	56.30	3/4		3/4		3/4	3/4	3/4		3/4	3/4
11	1,020.41	11	776.60	11	538.79	11	294.98	11	51.24	11		11		11		11		11	
1/4	1,015.33	1/4	771.67	1/4	533.71	1/4	289.90	1/4	46.20	1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,010.25	1/2	766.74	1/2	528.63	1/2	284.82	1/2	41.17	1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,005.17	3/4	761.81	3/4	523.55	3/4	279.74	3/4	36.13	3/4		3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/22/2018 CL  
CALCULATED: 02/22/2018 CL  
PRINTED: 02/23/2018 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2018

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



# BARGE "IB 1209"

## 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	3,385.57	0	3,174.19	0	2,932.35	0	2,690.50	0	2,448.65	0	2,206.80	0	1,964.95	0	1,723.11	0	1,481.26
1/4		1/4	3,384.73	1/4	3,169.16	1/4	2,927.31	1/4	2,685.46	1/4	2,443.61	1/4	2,201.76	1/4	1,959.92	1/4	1,718.07	1/4	1,476.22
1/2		1/2	3,383.89	1/2	3,164.12	1/2	2,922.27	1/2	2,680.42	1/2	2,438.57	1/2	2,196.73	1/2	1,954.88	1/2	1,713.03	1/2	1,471.18
3/4		3/4	3,383.05	3/4	3,159.08	3/4	2,917.23	3/4	2,675.38	3/4	2,433.53	3/4	2,191.69	3/4	1,949.84	3/4	1,707.99	3/4	1,466.14
1		1	3,382.21	1	3,154.04	1	2,912.19	1	2,670.34	1	2,428.50	1	2,186.65	1	1,944.80	1	1,702.95	1	1,461.10
1/4		1/4	3,379.69	1/4	3,149.00	1/4	2,907.15	1/4	2,665.31	1/4	2,423.46	1/4	2,181.61	1/4	1,939.76	1/4	1,697.91	1/4	1,456.07
1/2		1/2	3,377.17	1/2	3,143.96	1/2	2,902.12	1/2	2,660.27	1/2	2,418.42	1/2	2,176.57	1/2	1,934.72	1/2	1,692.88	1/2	1,451.03
3/4		3/4	3,374.65	3/4	3,138.92	3/4	2,897.08	3/4	2,655.23	3/4	2,413.38	3/4	2,171.53	3/4	1,929.68	3/4	1,687.84	3/4	1,445.99
2		2	3,372.13	2	3,133.89	2	2,892.04	2	2,650.19	2	2,408.34	2	2,166.49	2	1,924.65	2	1,682.80	2	1,440.95
1/4		1/4	3,367.94	1/4	3,128.85	1/4	2,887.00	1/4	2,645.15	1/4	2,403.30	1/4	2,161.46	1/4	1,919.61	1/4	1,677.76	1/4	1,435.91
1/2		1/2	3,363.74	1/2	3,123.81	1/2	2,881.96	1/2	2,640.11	1/2	2,398.27	1/2	2,156.42	1/2	1,914.57	1/2	1,672.72	1/2	1,430.87
3/4		3/4	3,359.54	3/4	3,118.77	3/4	2,876.92	3/4	2,635.07	3/4	2,393.23	3/4	2,151.38	3/4	1,909.53	3/4	1,667.68	3/4	1,425.83
3		3	3,355.35	3	3,113.73	3	2,871.88	3	2,630.04	3	2,388.19	3	2,146.34	3	1,904.49	3	1,662.64	3	1,420.80
1/4		1/4	3,350.35	1/4	3,108.69	1/4	2,866.85	1/4	2,625.00	1/4	2,383.15	1/4	2,141.30	1/4	1,899.45	1/4	1,657.61	1/4	1,415.76
1/2		1/2	3,345.36	1/2	3,103.66	1/2	2,861.81	1/2	2,619.96	1/2	2,378.11	1/2	2,136.26	1/2	1,894.42	1/2	1,652.57	1/2	1,410.72
3/4		3/4	3,340.36	3/4	3,098.62	3/4	2,856.77	3/4	2,614.92	3/4	2,373.07	3/4	2,131.22	3/4	1,889.38	3/4	1,647.53	3/4	1,405.68
4		4	3,335.37	4	3,093.58	4	2,851.73	4	2,609.88	4	2,368.03	4	2,126.19	4	1,884.34	4	1,642.49	4	1,400.64
1/4		1/4	3,330.34	1/4	3,088.54	1/4	2,846.69	1/4	2,604.84	1/4	2,363.00	1/4	2,121.15	1/4	1,879.30	1/4	1,637.45	1/4	1,395.60
1/2		1/2	3,325.32	1/2	3,083.50	1/2	2,841.65	1/2	2,599.81	1/2	2,357.96	1/2	2,116.11	1/2	1,874.26	1/2	1,632.41	1/2	1,390.57
3/4		3/4	3,320.29	3/4	3,078.46	3/4	2,836.61	3/4	2,594.77	3/4	2,352.92	3/4	2,111.07	3/4	1,869.22	3/4	1,627.37	3/4	1,385.53
5		5	3,315.26	5	3,073.42	5	2,831.58	5	2,589.73	5	2,347.88	5	2,106.03	5	1,864.18	5	1,622.34	5	1,380.49
1/4		1/4	3,310.23	1/4	3,068.39	1/4	2,826.54	1/4	2,584.69	1/4	2,342.84	1/4	2,100.99	1/4	1,859.15	1/4	1,617.30	1/4	1,375.45
1/2		1/2	3,305.19	1/2	3,063.35	1/2	2,821.50	1/2	2,579.65	1/2	2,337.80	1/2	2,095.96	1/2	1,854.11	1/2	1,612.26	1/2	1,370.41
3/4		3/4	3,300.16	3/4	3,058.31	3/4	2,816.46	3/4	2,574.61	3/4	2,332.76	3/4	2,090.92	3/4	1,849.07	3/4	1,607.22	3/4	1,365.37
6		6	3,295.12	6	3,053.27	6	2,811.42	6	2,569.57	6	2,327.73	6	2,085.88	6	1,844.03	6	1,602.18	6	1,360.33
1/4		1/4	3,290.08	1/4	3,048.23	1/4	2,806.38	1/4	2,564.54	1/4	2,322.69	1/4	2,080.84	1/4	1,838.99	1/4	1,597.14	1/4	1,355.30
1/2		1/2	3,285.04	1/2	3,043.19	1/2	2,801.35	1/2	2,559.50	1/2	2,317.65	1/2	2,075.80	1/2	1,833.95	1/2	1,592.11	1/2	1,350.26
3/4		3/4	3,280.00	3/4	3,038.15	3/4	2,796.31	3/4	2,554.46	3/4	2,312.61	3/4	2,070.76	3/4	1,828.91	3/4	1,587.07	3/4	1,345.22
7		7	3,274.96	7	3,033.12	7	2,791.27	7	2,549.42	7	2,307.57	7	2,065.72	7	1,823.88	7	1,582.03	7	1,340.18
1/4		1/4	3,269.93	1/4	3,028.08	1/4	2,786.23	1/4	2,544.38	1/4	2,302.53	1/4	2,060.69	1/4	1,818.84	1/4	1,576.99	1/4	1,335.14
1/2		1/2	3,264.89	1/2	3,023.04	1/2	2,781.19	1/2	2,539.34	1/2	2,297.50	1/2	2,055.65	1/2	1,813.80	1/2	1,571.95	1/2	1,330.10
3/4		3/4	3,259.85	3/4	3,018.00	3/4	2,776.15	3/4	2,534.30	3/4	2,292.46	3/4	2,050.61	3/4	1,808.76	3/4	1,566.91	3/4	1,325.06
8		8	3,254.81	8	3,012.96	8	2,771.11	8	2,529.27	8	2,287.42	8	2,045.57	8	1,803.72	8	1,561.87	8	1,320.03
1/4		1/4	3,249.77	1/4	3,007.92	1/4	2,766.08	1/4	2,524.23	1/4	2,282.38	1/4	2,040.53	1/4	1,798.68	1/4	1,556.84	1/4	1,314.99
1/2		1/2	3,244.73	1/2	3,002.89	1/2	2,761.04	1/2	2,519.19	1/2	2,277.34	1/2	2,035.49	1/2	1,793.65	1/2	1,551.80	1/2	1,309.95
3/4		3/4	3,239.69	3/4	2,997.85	3/4	2,756.00	3/4	2,514.15	3/4	2,272.30	3/4	2,030.45	3/4	1,788.61	3/4	1,546.76	3/4	1,304.91
9		9	3,234.66	9	2,992.81	9	2,750.96	9	2,509.11	9	2,267.26	9	2,025.42	9	1,783.57	9	1,541.72	9	1,299.87
1/4		1/4	3,229.62	1/4	2,987.77	1/4	2,745.92	1/4	2,504.07	1/4	2,262.23	1/4	2,020.38	1/4	1,778.53	1/4	1,536.68	1/4	1,294.83
1/2		1/2	3,224.58	1/2	2,982.73	1/2	2,740.88	1/2	2,499.04	1/2	2,257.19	1/2	2,015.34	1/2	1,773.49	1/2	1,531.64	1/2	1,289.80
3/4		3/4	3,219.54	3/4	2,977.69	3/4	2,735.84	3/4	2,494.00	3/4	2,252.15	3/4	2,010.30	3/4	1,768.45	3/4	1,526.60	3/4	1,284.76
10		10	3,214.50	10	2,972.65	10	2,730.81	10	2,488.96	10	2,247.11	10	2,005.26	10	1,763.41	10	1,521.57	10	1,279.72
1/4		1/4	3,209.46	1/4	2,967.62	1/4	2,725.77	1/4	2,483.92	1/4	2,242.07	1/4	2,000.22	1/4	1,758.38	1/4	1,516.53	1/4	1,274.68
1/2		1/2	3,204.43	1/2	2,962.58	1/2	2,720.73	1/2	2,478.88	1/2	2,237.03	1/2	1,995.19	1/2	1,753.34	1/2	1,511.49	1/2	1,269.64
3/4		3/4	3,199.39	3/4	2,957.54	3/4	2,715.69	3/4	2,473.84	3/4	2,231.99	3/4	1,990.15	3/4	1,748.30	3/4	1,506.45	3/4	1,264.60
11		11	3,194.35	11	2,952.50	11	2,710.65	11	2,468.80	11	2,226.96	11	1,985.11	11	1,743.26	11	1,501.41	11	1,259.56
1/4		1/4	3,189.31	1/4	2,947.46	1/4	2,705.61	1/4	2,463.77	1/4	2,221.92	1/4	1,980.07	1/4	1,738.22	1/4	1,496.37	1/4	1,254.53
1/2		1/2	3,184.27	1/2	2,942.42	1/2	2,700.58	1/2	2,458.73	1/2	2,216.88	1/2	1,975.03	1/2	1,733.18	1/2	1,491.34	1/2	1,249.49
3/4		3/4	3,179.23	3/4	2,937.38	3/4	2,695.54	3/4	2,453.69	3/4	2,211.84	3/4	1,969.99	3/4	1,728.14	3/4	1,486.30	3/4	1,244.45

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 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 1209"

## 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	1,239.41	0	997.56	0	755.75	0	514.29	0	272.45	0	30.85	0		0		0		0	
1/4	1,234.37	1/4	992.52	1/4	750.72	1/4	509.25	1/4	267.42	1/4	26.65	1/4		1/4		1/4		1/4	
1/2	1,229.33	1/2	987.49	1/2	745.69	1/2	504.22	1/2	262.38	1/2	22.46	1/2		1/2		1/2		1/2	
3/4	1,224.29	3/4	982.45	3/4	740.66	3/4	499.18	3/4	257.34	3/4	18.26	3/4		3/4		3/4		3/4	
1	1,219.26	1	977.41	1	735.63	1	494.14	1	252.30	1	14.07	1		1		1		1	
1/4	1,214.22	1/4	972.37	1/4	730.61	1/4	489.10	1/4	247.26	1/4	11.55	1/4		1/4		1/4		1/4	
1/2	1,209.18	1/2	967.33	1/2	725.58	1/2	484.06	1/2	242.22	1/2	9.03	1/2		1/2		1/2		1/2	
3/4	1,204.14	3/4	962.29	3/4	720.55	3/4	479.02	3/4	237.19	3/4	6.51	3/4		3/4		3/4		3/4	
2	1,199.10	2	957.25	2	715.52	2	473.99	2	232.15	2	3.99	2		2		2		2	
1/4	1,194.06	1/4	952.22	1/4	710.50	1/4	468.95	1/4	227.11	1/4	3.15	1/4		1/4		1/4		1/4	
1/2	1,189.03	1/2	947.18	1/2	705.47	1/2	463.91	1/2	222.07	1/2	2.31	1/2		1/2		1/2		1/2	
3/4	1,183.99	3/4	942.14	3/4	700.44	3/4	458.87	3/4	217.03	3/4	1.47	3/4		3/4		3/4		3/4	
3	1,178.95	3	937.10	3	695.41	3	453.83	3	211.99	3	0.63	3		3		3		3	
1/4	1,173.91	1/4	932.06	1/4	690.39	1/4	448.79	1/4	206.96	1/4		1/4		1/4		1/4		1/4	
1/2	1,168.87	1/2	927.02	1/2	685.36	1/2	443.76	1/2	201.92	1/2		1/2		1/2		1/2		1/2	
3/4	1,163.83	3/4	921.98	3/4	680.33	3/4	438.72	3/4	196.88	3/4		3/4		3/4		3/4		3/4	
4	1,158.79	4	916.95	4	675.30	4	433.68	4	191.84	4		4		4		4		4	
1/4	1,153.76	1/4	911.91	1/4	670.28	1/4	428.64	1/4	186.80	1/4		1/4		1/4		1/4		1/4	
1/2	1,148.72	1/2	906.87	1/2	665.25	1/2	423.60	1/2	181.76	1/2		1/2		1/2		1/2		1/2	
3/4	1,143.68	3/4	901.83	3/4	660.22	3/4	418.56	3/4	176.73	3/4		3/4		3/4		3/4		3/4	
5	1,138.64	5	896.79	5	655.19	5	413.53	5	171.69	5		5		5		5		5	
1/4	1,133.60	1/4	891.75	1/4	650.17	1/4	408.49	1/4	166.65	1/4		1/4		1/4		1/4		1/4	
1/2	1,128.56	1/2	886.72	1/2	645.14	1/2	403.45	1/2	161.61	1/2		1/2		1/2		1/2		1/2	
3/4	1,123.52	3/4	881.68	3/4	640.11	3/4	398.41	3/4	156.57	3/4		3/4		3/4		3/4		3/4	
6	1,118.49	6	876.64	6	635.08	6	393.37	6	151.54	6		6		6		6		6	
1/4	1,113.45	1/4	871.60	1/4	630.06	1/4	388.33	1/4	146.50	1/4		1/4		1/4		1/4		1/4	
1/2	1,108.41	1/2	866.56	1/2	625.03	1/2	383.30	1/2	141.46	1/2		1/2		1/2		1/2		1/2	
3/4	1,103.37	3/4	861.52	3/4	620.00	3/4	378.26	3/4	136.42	3/4		3/4		3/4		3/4		3/4	
7	1,098.33	7	856.48	7	614.97	7	373.22	7	131.38	7		7		7		7		7	
1/4	1,093.29	1/4	851.45	1/4	609.94	1/4	368.18	1/4	126.35	1/4		1/4		1/4		1/4		1/4	
1/2	1,088.26	1/2	846.41	1/2	604.92	1/2	363.14	1/2	121.31	1/2		1/2		1/2		1/2		1/2	
3/4	1,083.22	3/4	841.37	3/4	599.89	3/4	358.10	3/4	116.27	3/4		3/4		3/4		3/4		3/4	
8	1,078.18	8	836.33	8	594.86	8	353.07	8	111.23	8		8		8		8		8	
1/4	1,073.14	1/4	831.29	1/4	589.83	1/4	348.03	1/4	106.19	1/4		1/4		1/4		1/4		1/4	
1/2	1,068.10	1/2	826.25	1/2	584.81	1/2	342.99	1/2	101.16	1/2		1/2		1/2		1/2		1/2	
3/4	1,063.06	3/4	821.21	3/4	579.78	3/4	337.95	3/4	96.12	3/4		3/4		3/4		3/4		3/4	
9	1,058.02	9	816.18	9	574.75	9	332.91	9	91.08	9		9		9		9		9	
1/4	1,052.99	1/4	811.14	1/4	569.71	1/4	327.87	1/4	86.04	1/4		1/4		1/4		1/4		1/4	
1/2	1,047.95	1/2	806.10	1/2	564.67	1/2	322.84	1/2	81.01	1/2		1/2		1/2		1/2		1/2	
3/4	1,042.91	3/4	801.06	3/4	559.64	3/4	317.80	3/4	75.97	3/4		3/4		3/4		3/4		3/4	
10	1,037.87	10	796.02	10	554.60	10	312.76	10	70.93	10		10		10		10		10	
1/4	1,032.83	1/4	790.98	1/4	549.56	1/4	307.72	1/4	65.91	1/4		1/4		1/4		1/4		1/4	
1/2	1,027.79	1/2	785.95	1/2	544.52	1/2	302.68	1/2	60.88	1/2		1/2		1/2		1/2		1/2	
3/4	1,022.75	3/4	780.91	3/4	539.48	3/4	297.65	3/4	55.86	3/4		3/4		3/4		3/4		3/4	
11	1,017.72	11	775.87	11	534.45	11	292.61	11	50.83	11		11		11		11		11	
1/4	1,012.68	1/4	770.84	1/4	529.41	1/4	287.57	1/4	45.83	1/4		1/4		1/4		1/4		1/4	
1/2	1,007.64	1/2	765.81	1/2	524.37	1/2	282.53	1/2	40.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,002.60	3/4	760.78	3/4	519.33	3/4	277.49	3/4	35.85	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/22/2018 CL  
CALCULATED: 02/22/2018 CL  
PRINTED: 02/23/2018 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2018

PRECISION MEASUREMENT  
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