



BARGE "IB 1090"

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

(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"

July 10, 2017

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

<http://www.pmacorp.net>



BARGE "IB 1090"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-03"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0	3,761.30	0	3,507.06	0	3,252.82	0	2,998.58	0	2,721.10	0	2,423.86	0	2,126.64	0	1,829.40
1/4		1/4		1/4	3,756.01	1/4	3,501.76	1/4	3,247.52	1/4	2,993.28	1/4	2,714.90	1/4	2,417.67	1/4	2,120.45	1/4	1,823.21
1/2		1/2		1/2	3,750.71	1/2	3,496.47	1/2	3,242.23	1/2	2,987.98	1/2	2,708.71	1/2	2,411.48	1/2	2,114.26	1/2	1,817.02
3/4		3/4		3/4	3,745.41	3/4	3,491.17	3/4	3,236.93	3/4	2,982.69	3/4	2,702.52	3/4	2,405.28	3/4	2,108.06	3/4	1,810.82
1		1	3,973.92	1	3,740.12	1	3,485.87	1	3,231.63	1	2,977.39	1	2,696.33	1	2,399.09	1	2,101.87	1	1,804.63
1/4		1/4	3,971.79	1/4	3,734.82	1/4	3,480.58	1/4	3,226.34	1/4	2,972.09	1/4	2,690.13	1/4	2,392.90	1/4	2,095.68	1/4	1,798.44
1/2		1/2	3,969.66	1/2	3,729.52	1/2	3,475.28	1/2	3,221.04	1/2	2,966.80	1/2	2,683.94	1/2	2,386.71	1/2	2,089.49	1/2	1,792.25
3/4		3/4	3,967.53	3/4	3,724.23	3/4	3,469.98	3/4	3,215.74	3/4	2,961.50	3/4	2,677.75	3/4	2,380.52	3/4	2,083.29	3/4	1,786.05
2		2	3,965.40	2	3,718.93	2	3,464.69	2	3,210.45	2	2,956.20	2	2,671.56	2	2,374.33	2	2,077.10	2	1,779.86
1/4		1/4	3,961.69	1/4	3,713.63	1/4	3,459.39	1/4	3,205.15	1/4	2,950.91	1/4	2,665.36	1/4	2,368.13	1/4	2,070.91	1/4	1,773.67
1/2		1/2	3,957.99	1/2	3,708.34	1/2	3,454.09	1/2	3,199.85	1/2	2,945.61	1/2	2,659.17	1/2	2,361.94	1/2	2,064.72	1/2	1,767.48
3/4		3/4	3,954.29	3/4	3,703.04	3/4	3,448.80	3/4	3,194.56	3/4	2,940.31	3/4	2,652.98	3/4	2,355.75	3/4	2,058.52	3/4	1,761.28
3		3	3,950.58	3	3,697.74	3	3,443.50	3	3,189.26	3	2,935.02	3	2,646.79	3	2,349.56	3	2,052.33	3	1,755.09
1/4		1/4	3,945.61	1/4	3,692.45	1/4	3,438.20	1/4	3,183.96	1/4	2,929.72	1/4	2,640.59	1/4	2,343.37	1/4	2,046.14	1/4	1,748.90
1/2		1/2	3,940.63	1/2	3,687.15	1/2	3,432.91	1/2	3,178.67	1/2	2,924.42	1/2	2,634.40	1/2	2,337.17	1/2	2,039.95	1/2	1,742.71
3/4		3/4	3,935.65	3/4	3,681.85	3/4	3,427.61	3/4	3,173.37	3/4	2,919.13	3/4	2,628.21	3/4	2,330.98	3/4	2,033.75	3/4	1,736.51
4		4	3,930.68	4	3,676.56	4	3,422.31	4	3,168.07	4	2,913.83	4	2,622.02	4	2,324.79	4	2,027.56	4	1,730.32
1/4		1/4	3,925.40	1/4	3,671.26	1/4	3,417.02	1/4	3,162.78	1/4	2,908.54	1/4	2,615.82	1/4	2,318.60	1/4	2,021.37	1/4	1,724.13
1/2		1/2	3,920.13	1/2	3,665.96	1/2	3,411.72	1/2	3,157.48	1/2	2,903.25	1/2	2,609.63	1/2	2,312.41	1/2	2,015.18	1/2	1,717.94
3/4		3/4	3,914.86	3/4	3,660.67	3/4	3,406.42	3/4	3,152.18	3/4	2,897.96	3/4	2,603.44	3/4	2,306.22	3/4	2,008.98	3/4	1,711.74
5		5	3,909.58	5	3,655.37	5	3,401.13	5	3,146.89	5	2,892.67	5	2,597.25	5	2,300.02	5	2,002.79	5	1,705.55
1/4		1/4	3,904.29	1/4	3,650.07	1/4	3,395.83	1/4	3,141.59	1/4	2,886.93	1/4	2,591.05	1/4	2,293.83	1/4	1,996.60	1/4	1,699.37
1/2		1/2	3,899.00	1/2	3,644.78	1/2	3,390.53	1/2	3,136.29	1/2	2,881.19	1/2	2,584.86	1/2	2,287.64	1/2	1,990.41	1/2	1,693.18
3/4		3/4	3,893.71	3/4	3,639.48	3/4	3,385.24	3/4	3,131.00	3/4	2,875.45	3/4	2,578.67	3/4	2,281.45	3/4	1,984.21	3/4	1,686.99
6		6	3,888.42	6	3,634.18	6	3,379.94	6	3,125.70	6	2,869.72	6	2,572.48	6	2,275.26	6	1,978.02	6	1,680.81
1/4		1/4	3,883.12	1/4	3,628.88	1/4	3,374.64	1/4	3,120.40	1/4	2,863.52	1/4	2,566.28	1/4	2,269.07	1/4	1,971.83	1/4	1,674.63
1/2		1/2	3,877.83	1/2	3,623.59	1/2	3,369.35	1/2	3,115.11	1/2	2,857.33	1/2	2,560.09	1/2	2,262.87	1/2	1,965.64	1/2	1,668.45
3/4		3/4	3,872.53	3/4	3,618.29	3/4	3,364.05	3/4	3,109.81	3/4	2,851.14	3/4	2,553.90	3/4	2,256.68	3/4	1,959.44	3/4	1,662.27
7		7	3,867.24	7	3,612.99	7	3,358.75	7	3,104.51	7	2,844.95	7	2,547.71	7	2,250.49	7	1,953.25	7	1,656.10
1/4		1/4	3,861.94	1/4	3,607.70	1/4	3,353.46	1/4	3,099.21	1/4	2,838.75	1/4	2,541.51	1/4	2,244.30	1/4	1,947.06	1/4	1,649.92
1/2		1/2	3,856.64	1/2	3,602.40	1/2	3,348.16	1/2	3,093.92	1/2	2,832.56	1/2	2,535.32	1/2	2,238.11	1/2	1,940.87	1/2	1,643.74
3/4		3/4	3,851.35	3/4	3,597.10	3/4	3,342.86	3/4	3,088.62	3/4	2,826.37	3/4	2,529.13	3/4	2,231.91	3/4	1,934.67	3/4	1,637.56
8		8	3,846.05	8	3,591.81	8	3,337.57	8	3,083.32	8	2,820.18	8	2,522.94	8	2,225.72	8	1,928.48	8	1,631.38
1/4		1/4	3,840.75	1/4	3,586.51	1/4	3,332.27	1/4	3,078.03	1/4	2,813.98	1/4	2,516.74	1/4	2,219.53	1/4	1,922.29	1/4	1,625.21
1/2		1/2	3,835.46	1/2	3,581.21	1/2	3,326.97	1/2	3,072.73	1/2	2,807.79	1/2	2,510.55	1/2	2,213.34	1/2	1,916.10	1/2	1,619.03
3/4		3/4	3,830.16	3/4	3,575.92	3/4	3,321.68	3/4	3,067.43	3/4	2,801.60	3/4	2,504.36	3/4	2,207.14	3/4	1,909.90	3/4	1,612.85
9		9	3,824.86	9	3,570.62	9	3,316.38	9	3,062.14	9	2,795.41	9	2,498.17	9	2,200.95	9	1,903.71	9	1,606.67
1/4		1/4	3,819.57	1/4	3,565.32	1/4	3,311.08	1/4	3,056.84	1/4	2,789.21	1/4	2,491.97	1/4	2,194.76	1/4	1,897.52	1/4	1,600.49
1/2		1/2	3,814.27	1/2	3,560.03	1/2	3,305.79	1/2	3,051.54	1/2	2,783.02	1/2	2,485.78	1/2	2,188.57	1/2	1,891.33	1/2	1,594.32
3/4		3/4	3,808.97	3/4	3,554.73	3/4	3,300.49	3/4	3,046.25	3/4	2,776.83	3/4	2,479.59	3/4	2,182.37	3/4	1,885.13	3/4	1,588.14
10		10	3,803.68	10	3,549.43	10	3,295.19	10	3,040.95	10	2,770.64	10	2,473.40	10	2,176.18	10	1,878.94	10	1,581.96
1/4		1/4	3,798.38	1/4	3,544.14	1/4	3,289.90	1/4	3,035.65	1/4	2,764.44	1/4	2,467.20	1/4	2,169.99	1/4	1,872.75	1/4	1,575.78
1/2		1/2	3,793.08	1/2	3,538.84	1/2	3,284.60	1/2	3,030.36	1/2	2,758.25	1/2	2,461.01	1/2	2,163.80	1/2	1,866.56	1/2	1,569.60
3/4		3/4	3,787.79	3/4	3,533.54	3/4	3,279.30	3/4	3,025.06	3/4	2,752.06	3/4	2,454.82	3/4	2,157.60	3/4	1,860.36	3/4	1,563.43
11		11	3,782.49	11	3,528.25	11	3,274.01	11	3,019.76	11	2,745.87	11	2,448.63	11	2,151.41	11	1,854.17	11	1,557.25
1/4		1/4	3,777.19	1/4	3,522.95	1/4	3,268.71	1/4	3,014.47	1/4	2,739.67	1/4	2,442.44	1/4	2,145.22	1/4	1,847.98	1/4	1,551.07
1/2		1/2	3,771.90	1/2	3,517.65	1/2	3,263.41	1/2	3,009.17	1/2	2,733.48	1/2	2,436.24	1/2	2,139.03	1/2	1,841.79	1/2	1,544.89
3/4		3/4	3,766.60	3/4	3,512.36	3/4	3,258.12	3/4	3,003.87	3/4	2,727.29	3/4	2,430.05	3/4	2,132.83	3/4	1,835.59	3/4	1,538.71

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
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BARGE "IB 1090"

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	1,532.53	0	1,235.60	0	938.81	0	647.34	0	350.09	0	53.38	0		0		0		0	
1/4	1,526.36	1/4	1,229.41	1/4	932.77	1/4	641.14	1/4	343.89	1/4	47.77	1/4		1/4		1/4		1/4	
1/2	1,520.18	1/2	1,223.22	1/2	926.72	1/2	634.95	1/2	337.70	1/2	42.15	1/2		1/2		1/2		1/2	
3/4	1,514.00	3/4	1,217.03	3/4	920.68	3/4	628.76	3/4	331.51	3/4	36.53	3/4		3/4		3/4		3/4	
1	1,507.82	1	1,210.85	1	914.64	1	622.57	1	325.32	1	30.91	1		1		1		1	
1/4	1,501.64	1/4	1,204.66	1/4	908.60	1/4	616.37	1/4	319.12	1/4	26.78	1/4		1/4		1/4		1/4	
1/2	1,495.47	1/2	1,198.47	1/2	902.56	1/2	610.18	1/2	312.93	1/2	22.65	1/2		1/2		1/2		1/2	
3/4	1,489.29	3/4	1,192.28	3/4	896.52	3/4	603.99	3/4	306.74	3/4	18.51	3/4		3/4		3/4		3/4	
2	1,483.11	2	1,186.09	2	890.48	2	597.79	2	300.54	2	14.38	2		2		2		2	
1/4	1,476.93	1/4	1,179.90	1/4	884.44	1/4	591.60	1/4	294.35	1/4	12.31	1/4		1/4		1/4		1/4	
1/2	1,470.75	1/2	1,173.71	1/2	878.40	1/2	585.41	1/2	288.16	1/2	10.25	1/2		1/2		1/2		1/2	
3/4	1,464.58	3/4	1,167.52	3/4	872.36	3/4	579.22	3/4	281.97	3/4	8.18	3/4		3/4		3/4		3/4	
3	1,458.40	3	1,161.33	3	866.32	3	573.02	3	275.77	3	6.11	3		3		3		3	
1/4	1,452.21	1/4	1,155.14	1/4	860.27	1/4	566.83	1/4	269.58	1/4		1/4		1/4		1/4		1/4	
1/2	1,446.03	1/2	1,148.95	1/2	854.23	1/2	560.64	1/2	263.39	1/2		1/2		1/2		1/2		1/2	
3/4	1,439.85	3/4	1,142.76	3/4	848.19	3/4	554.45	3/4	257.19	3/4		3/4		3/4		3/4		3/4	
4	1,433.66	4	1,136.57	4	842.15	4	548.25	4	251.00	4		4		4		4		4	
1/4	1,427.47	1/4	1,130.38	1/4	836.11	1/4	542.06	1/4	244.80	1/4		1/4		1/4		1/4		1/4	
1/2	1,421.28	1/2	1,124.19	1/2	830.07	1/2	535.87	1/2	238.61	1/2		1/2		1/2		1/2		1/2	
3/4	1,415.10	3/4	1,118.00	3/4	824.03	3/4	529.68	3/4	232.41	3/4		3/4		3/4		3/4		3/4	
5	1,408.91	5	1,111.81	5	817.99	5	523.48	5	226.22	5		5		5		5		5	
1/4	1,402.72	1/4	1,105.63	1/4	811.95	1/4	517.29	1/4	220.02	1/4		1/4		1/4		1/4		1/4	
1/2	1,396.53	1/2	1,099.44	1/2	805.91	1/2	511.10	1/2	213.82	1/2		1/2		1/2		1/2		1/2	
3/4	1,390.34	3/4	1,093.25	3/4	799.87	3/4	504.90	3/4	207.62	3/4		3/4		3/4		3/4		3/4	
6	1,384.15	6	1,087.06	6	793.83	6	498.71	6	201.42	6		6		6		6		6	
1/4	1,377.96	1/4	1,080.87	1/4	787.79	1/4	492.52	1/4	195.22	1/4		1/4		1/4		1/4		1/4	
1/2	1,371.77	1/2	1,074.68	1/2	781.75	1/2	486.33	1/2	189.03	1/2		1/2		1/2		1/2		1/2	
3/4	1,365.58	3/4	1,068.49	3/4	775.71	3/4	480.13	3/4	182.83	3/4		3/4		3/4		3/4		3/4	
7	1,359.39	7	1,062.30	7	769.67	7	473.94	7	176.63	7		7		7		7		7	
1/4	1,353.20	1/4	1,056.11	1/4	763.63	1/4	467.75	1/4	170.44	1/4		1/4		1/4		1/4		1/4	
1/2	1,347.01	1/2	1,049.92	1/2	757.59	1/2	461.56	1/2	164.25	1/2		1/2		1/2		1/2		1/2	
3/4	1,340.82	3/4	1,043.73	3/4	751.55	3/4	455.36	3/4	158.05	3/4		3/4		3/4		3/4		3/4	
8	1,334.63	8	1,037.54	8	745.51	8	449.17	8	151.86	8		8		8		8		8	
1/4	1,328.44	1/4	1,031.35	1/4	739.46	1/4	442.98	1/4	145.67	1/4		1/4		1/4		1/4		1/4	
1/2	1,322.25	1/2	1,025.16	1/2	733.42	1/2	436.78	1/2	139.48	1/2		1/2		1/2		1/2		1/2	
3/4	1,316.07	3/4	1,018.97	3/4	727.38	3/4	430.59	3/4	133.29	3/4		3/4		3/4		3/4		3/4	
9	1,309.88	9	1,012.78	9	721.34	9	424.40	9	127.10	9		9		9		9		9	
1/4	1,303.69	1/4	1,006.60	1/4	715.23	1/4	418.21	1/4	120.93	1/4		1/4		1/4		1/4		1/4	
1/2	1,297.50	1/2	1,000.41	1/2	709.11	1/2	412.01	1/2	114.75	1/2		1/2		1/2		1/2		1/2	
3/4	1,291.31	3/4	994.22	3/4	702.99	3/4	405.82	3/4	108.57	3/4		3/4		3/4		3/4		3/4	
10	1,285.12	10	988.03	10	696.88	10	399.63	10	102.40	10		10		10		10		10	
1/4	1,278.93	1/4	981.84	1/4	690.69	1/4	393.44	1/4	96.25	1/4		1/4		1/4		1/4		1/4	
1/2	1,272.74	1/2	975.65	1/2	684.49	1/2	387.24	1/2	90.10	1/2		1/2		1/2		1/2		1/2	
3/4	1,266.55	3/4	969.46	3/4	678.30	3/4	381.05	3/4	83.95	3/4		3/4		3/4		3/4		3/4	
11	1,260.36	11	963.27	11	672.11	11	374.86	11	77.80	11		11		11		11		11	
1/4	1,254.17	1/4	957.15	1/4	665.91	1/4	368.66	1/4	71.70	1/4		1/4		1/4		1/4		1/4	
1/2	1,247.98	1/2	951.04	1/2	659.72	1/2	362.47	1/2	65.59	1/2		1/2		1/2		1/2		1/2	
3/4	1,241.79	3/4	944.92	3/4	653.53	3/4	356.28	3/4	59.49	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/10/2017 SW
CALCULATED: 07/10/2017 CL
PRINTED: 07/11/2017 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2017

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



BARGE "IB 1090"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-03"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	3,461.92	0	3,198.51	0	2,935.09	0	2,671.68	0	2,408.26	0	2,144.85	0	1,881.44	0	1,618.02
1/4		1/4		1/4	3,456.43	1/4	3,193.02	1/4	2,929.61	1/4	2,666.19	1/4	2,402.78	1/4	2,139.36	1/4	1,875.95	1/4	1,612.53
1/2		1/2		1/2	3,450.95	1/2	3,187.53	1/2	2,924.12	1/2	2,660.70	1/2	2,397.29	1/2	2,133.87	1/2	1,870.46	1/2	1,607.05
3/4		3/4		3/4	3,445.46	3/4	3,182.04	3/4	2,918.63	3/4	2,655.22	3/4	2,391.80	3/4	2,128.39	3/4	1,864.97	3/4	1,601.56
1		1	3,683.71	1	3,439.97	1	3,176.56	1	2,913.14	1	2,649.73	1	2,386.31	1	2,122.90	1	1,859.48	1	1,596.07
1/4		1/4	3,681.42	1/4	3,434.48	1/4	3,171.07	1/4	2,907.65	1/4	2,644.24	1/4	2,380.83	1/4	2,117.41	1/4	1,854.00	1/4	1,590.58
1/2		1/2	3,679.14	1/2	3,428.99	1/2	3,165.58	1/2	2,902.17	1/2	2,638.75	1/2	2,375.34	1/2	2,111.92	1/2	1,848.51	1/2	1,585.09
3/4		3/4	3,676.85	3/4	3,423.51	3/4	3,160.09	3/4	2,896.68	3/4	2,633.26	3/4	2,369.85	3/4	2,106.44	3/4	1,843.02	3/4	1,579.61
2		2	3,674.56	2	3,418.02	2	3,154.60	2	2,891.19	2	2,627.78	2	2,364.36	2	2,100.95	2	1,837.53	2	1,574.12
1/4		1/4	3,670.49	1/4	3,412.53	1/4	3,149.12	1/4	2,885.70	1/4	2,622.29	1/4	2,358.87	1/4	2,095.46	1/4	1,832.05	1/4	1,568.63
1/2		1/2	3,666.41	1/2	3,407.04	1/2	3,143.63	1/2	2,880.21	1/2	2,616.80	1/2	2,353.39	1/2	2,089.97	1/2	1,826.56	1/2	1,563.14
3/4		3/4	3,662.33	3/4	3,401.56	3/4	3,138.14	3/4	2,874.73	3/4	2,611.31	3/4	2,347.90	3/4	2,084.48	3/4	1,821.07	3/4	1,557.66
3		3	3,658.25	3	3,396.07	3	3,132.65	3	2,869.24	3	2,605.82	3	2,342.41	3	2,079.00	3	1,815.58	3	1,552.17
1/4		1/4	3,653.05	1/4	3,390.58	1/4	3,127.17	1/4	2,863.75	1/4	2,600.34	1/4	2,336.92	1/4	2,073.51	1/4	1,810.09	1/4	1,546.68
1/2		1/2	3,647.84	1/2	3,385.09	1/2	3,121.68	1/2	2,858.26	1/2	2,594.85	1/2	2,331.43	1/2	2,068.02	1/2	1,804.61	1/2	1,541.19
3/4		3/4	3,642.64	3/4	3,379.60	3/4	3,116.19	3/4	2,852.78	3/4	2,589.36	3/4	2,325.95	3/4	2,062.53	3/4	1,799.12	3/4	1,535.70
4		4	3,637.43	4	3,374.12	4	3,110.70	4	2,847.29	4	2,583.87	4	2,320.46	4	2,057.04	4	1,793.63	4	1,530.22
1/4		1/4	3,631.96	1/4	3,368.63	1/4	3,105.21	1/4	2,841.80	1/4	2,578.39	1/4	2,314.97	1/4	2,051.56	1/4	1,788.14	1/4	1,524.73
1/2		1/2	3,626.50	1/2	3,363.14	1/2	3,099.73	1/2	2,836.31	1/2	2,572.90	1/2	2,309.48	1/2	2,046.07	1/2	1,782.65	1/2	1,519.24
3/4		3/4	3,621.03	3/4	3,357.65	3/4	3,094.24	3/4	2,830.82	3/4	2,567.41	3/4	2,304.00	3/4	2,040.58	3/4	1,777.17	3/4	1,513.75
5		5	3,615.56	5	3,352.17	5	3,088.75	5	2,825.34	5	2,561.92	5	2,298.51	5	2,035.09	5	1,771.68	5	1,508.26
1/4		1/4	3,610.08	1/4	3,346.68	1/4	3,083.26	1/4	2,819.85	1/4	2,556.43	1/4	2,293.02	1/4	2,029.61	1/4	1,766.19	1/4	1,502.78
1/2		1/2	3,604.60	1/2	3,341.19	1/2	3,077.78	1/2	2,814.36	1/2	2,550.95	1/2	2,287.53	1/2	2,024.12	1/2	1,760.70	1/2	1,497.29
3/4		3/4	3,599.11	3/4	3,335.70	3/4	3,072.29	3/4	2,808.87	3/4	2,545.46	3/4	2,282.04	3/4	2,018.63	3/4	1,755.22	3/4	1,491.80
6		6	3,593.63	6	3,330.21	6	3,066.80	6	2,803.39	6	2,539.97	6	2,276.56	6	2,013.14	6	1,749.73	6	1,486.31
1/4		1/4	3,588.14	1/4	3,324.73	1/4	3,061.31	1/4	2,797.90	1/4	2,534.48	1/4	2,271.07	1/4	2,007.65	1/4	1,744.24	1/4	1,480.83
1/2		1/2	3,582.65	1/2	3,319.24	1/2	3,055.82	1/2	2,792.41	1/2	2,529.00	1/2	2,265.58	1/2	2,002.17	1/2	1,738.75	1/2	1,475.34
3/4		3/4	3,577.17	3/4	3,313.75	3/4	3,050.34	3/4	2,786.92	3/4	2,523.51	3/4	2,260.09	3/4	1,996.68	3/4	1,733.26	3/4	1,469.85
7		7	3,571.68	7	3,308.26	7	3,044.85	7	2,781.43	7	2,518.02	7	2,254.61	7	1,991.19	7	1,727.78	7	1,464.36
1/4		1/4	3,566.19	1/4	3,302.78	1/4	3,039.36	1/4	2,775.95	1/4	2,512.53	1/4	2,249.12	1/4	1,985.70	1/4	1,722.29	1/4	1,458.87
1/2		1/2	3,560.70	1/2	3,297.29	1/2	3,033.87	1/2	2,770.46	1/2	2,507.04	1/2	2,243.63	1/2	1,980.22	1/2	1,716.80	1/2	1,453.39
3/4		3/4	3,555.21	3/4	3,291.80	3/4	3,028.39	3/4	2,764.97	3/4	2,501.56	3/4	2,238.14	3/4	1,974.73	3/4	1,711.31	3/4	1,447.90
8		8	3,549.73	8	3,286.31	8	3,022.90	8	2,759.48	8	2,496.07	8	2,232.65	8	1,969.24	8	1,705.83	8	1,442.41
1/4		1/4	3,544.24	1/4	3,280.82	1/4	3,017.41	1/4	2,754.00	1/4	2,490.58	1/4	2,227.17	1/4	1,963.75	1/4	1,700.34	1/4	1,436.92
1/2		1/2	3,538.75	1/2	3,275.34	1/2	3,011.92	1/2	2,748.51	1/2	2,485.09	1/2	2,221.68	1/2	1,958.26	1/2	1,694.85	1/2	1,431.44
3/4		3/4	3,533.26	3/4	3,269.85	3/4	3,006.43	3/4	2,743.02	3/4	2,479.61	3/4	2,216.19	3/4	1,952.78	3/4	1,689.36	3/4	1,425.95
9		9	3,527.78	9	3,264.36	9	3,000.95	9	2,737.53	9	2,474.12	9	2,210.70	9	1,947.29	9	1,683.87	9	1,420.46
1/4		1/4	3,522.29	1/4	3,258.87	1/4	2,995.46	1/4	2,732.04	1/4	2,468.63	1/4	2,205.22	1/4	1,941.80	1/4	1,678.39	1/4	1,414.97
1/2		1/2	3,516.80	1/2	3,253.39	1/2	2,989.97	1/2	2,726.56	1/2	2,463.14	1/2	2,199.73	1/2	1,936.31	1/2	1,672.90	1/2	1,409.48
3/4		3/4	3,511.31	3/4	3,247.90	3/4	2,984.48	3/4	2,721.07	3/4	2,457.65	3/4	2,194.24	3/4	1,930.83	3/4	1,667.41	3/4	1,404.00
10		10	3,505.82	10	3,242.41	10	2,979.00	10	2,715.58	10	2,452.17	10	2,188.75	10	1,925.34	10	1,661.92	10	1,398.51
1/4		1/4	3,500.34	1/4	3,236.92	1/4	2,973.51	1/4	2,710.09	1/4	2,446.68	1/4	2,183.26	1/4	1,919.85	1/4	1,656.44	1/4	1,393.02
1/2		1/2	3,494.85	1/2	3,231.43	1/2	2,968.02	1/2	2,704.61	1/2	2,441.19	1/2	2,177.78	1/2	1,914.36	1/2	1,650.95	1/2	1,387.53
3/4		3/4	3,489.36	3/4	3,225.95	3/4	2,962.53	3/4	2,699.12	3/4	2,435.70	3/4	2,172.29	3/4	1,908.87	3/4	1,645.46	3/4	1,382.05
11		11	3,483.87	11	3,220.46	11	2,957.04	11	2,693.63	11	2,430.22	11	2,166.80	11	1,903.39	11	1,639.97	11	1,376.56
1/4		1/4	3,478.39	1/4	3,214.97	1/4	2,951.56	1/4	2,688.14	1/4	2,424.73	1/4	2,161.31	1/4	1,897.90	1/4	1,634.48	1/4	1,371.07
1/2		1/2	3,472.90	1/2	3,209.48	1/2	2,946.07	1/2	2,682.65	1/2	2,419.24	1/2	2,155.83	1/2	1,892.41	1/2	1,629.00	1/2	1,365.58
3/4		3/4	3,467.41	3/4	3,204.00	3/4	2,940.58	3/4	2,677.17	3/4	2,413.75	3/4	2,150.34	3/4	1,886.92	3/4	1,623.51	3/4	1,360.09

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 25'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "IB 1090"

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	1,354.61	0	1,091.19	0	828.08	0	570.36	0	306.96	0	44.27	0		0		0		0	
1/4	1,349.12	1/4	1,085.70	1/4	822.74	1/4	564.88	1/4	301.47	1/4	39.30	1/4		1/4		1/4		1/4	
1/2	1,343.63	1/2	1,080.22	1/2	817.40	1/2	559.39	1/2	295.98	1/2	34.33	1/2		1/2		1/2		1/2	
3/4	1,338.14	3/4	1,074.73	3/4	812.06	3/4	553.90	3/4	290.50	3/4	29.36	3/4		3/4		3/4		3/4	
1	1,332.66	1	1,069.24	1	806.72	1	548.41	1	285.01	1	24.39	1		1		1		1	
1/4	1,327.17	1/4	1,063.75	1/4	801.38	1/4	542.93	1/4	279.52	1/4	20.74	1/4		1/4		1/4		1/4	
1/2	1,321.68	1/2	1,058.27	1/2	796.04	1/2	537.44	1/2	274.03	1/2	17.08	1/2		1/2		1/2		1/2	
3/4	1,316.19	3/4	1,052.78	3/4	790.70	3/4	531.95	3/4	268.55	3/4	13.43	3/4		3/4		3/4		3/4	
2	1,310.70	2	1,047.29	2	785.36	2	526.46	2	263.06	2	9.77	2		2		2		2	
1/4	1,305.22	1/4	1,041.80	1/4	780.03	1/4	520.98	1/4	257.57	1/4	7.95	1/4		1/4		1/4		1/4	
1/2	1,299.73	1/2	1,036.31	1/2	774.69	1/2	515.49	1/2	252.08	1/2	6.12	1/2		1/2		1/2		1/2	
3/4	1,294.24	3/4	1,030.83	3/4	769.35	3/4	510.00	3/4	246.60	3/4	4.29	3/4		3/4		3/4		3/4	
3	1,288.75	3	1,025.34	3	764.01	3	504.51	3	241.11	3	2.46	3		3		3		3	
1/4	1,283.27	1/4	1,019.85	1/4	758.68	1/4	499.03	1/4	235.62	1/4		1/4		1/4		1/4		1/4	
1/2	1,277.78	1/2	1,014.36	1/2	753.34	1/2	493.54	1/2	230.13	1/2		1/2		1/2		1/2		1/2	
3/4	1,272.29	3/4	1,008.88	3/4	748.00	3/4	488.05	3/4	224.65	3/4		3/4		3/4		3/4		3/4	
4	1,266.80	4	1,003.39	4	742.66	4	482.56	4	219.16	4		4		4		4		4	
1/4	1,261.31	1/4	997.90	1/4	737.33	1/4	477.08	1/4	213.67	1/4		1/4		1/4		1/4		1/4	
1/2	1,255.83	1/2	992.41	1/2	731.99	1/2	471.59	1/2	208.18	1/2		1/2		1/2		1/2		1/2	
3/4	1,250.34	3/4	986.92	3/4	726.65	3/4	466.10	3/4	202.70	3/4		3/4		3/4		3/4		3/4	
5	1,244.85	5	981.44	5	721.31	5	460.61	5	197.21	5		5		5		5		5	
1/4	1,239.36	1/4	975.95	1/4	715.98	1/4	455.12	1/4	191.72	1/4		1/4		1/4		1/4		1/4	
1/2	1,233.87	1/2	970.46	1/2	710.64	1/2	449.64	1/2	186.23	1/2		1/2		1/2		1/2		1/2	
3/4	1,228.39	3/4	964.97	3/4	705.30	3/4	444.15	3/4	180.75	3/4		3/4		3/4		3/4		3/4	
6	1,222.90	6	959.48	6	699.96	6	438.66	6	175.26	6		6		6		6		6	
1/4	1,217.41	1/4	954.00	1/4	694.63	1/4	433.17	1/4	169.77	1/4		1/4		1/4		1/4		1/4	
1/2	1,211.92	1/2	948.51	1/2	689.29	1/2	427.69	1/2	164.28	1/2		1/2		1/2		1/2		1/2	
3/4	1,206.44	3/4	943.02	3/4	683.95	3/4	422.20	3/4	158.80	3/4		3/4		3/4		3/4		3/4	
7	1,200.95	7	937.53	7	678.61	7	416.71	7	153.31	7		7		7		7		7	
1/4	1,195.46	1/4	932.05	1/4	673.28	1/4	411.22	1/4	147.83	1/4		1/4		1/4		1/4		1/4	
1/2	1,189.97	1/2	926.56	1/2	667.94	1/2	405.74	1/2	142.34	1/2		1/2		1/2		1/2		1/2	
3/4	1,184.48	3/4	921.07	3/4	662.60	3/4	400.25	3/4	136.86	3/4		3/4		3/4		3/4		3/4	
8	1,179.00	8	915.58	8	657.26	8	394.76	8	131.37	8		8		8		8		8	
1/4	1,173.51	1/4	910.09	1/4	651.93	1/4	389.27	1/4	125.90	1/4		1/4		1/4		1/4		1/4	
1/2	1,168.02	1/2	904.61	1/2	646.59	1/2	383.79	1/2	120.42	1/2		1/2		1/2		1/2		1/2	
3/4	1,162.53	3/4	899.12	3/4	641.25	3/4	378.30	3/4	114.95	3/4		3/4		3/4		3/4		3/4	
9	1,157.05	9	893.63	9	635.91	9	372.81	9	109.47	9		9		9		9		9	
1/4	1,151.56	1/4	888.14	1/4	630.50	1/4	367.32	1/4	104.01	1/4		1/4		1/4		1/4		1/4	
1/2	1,146.07	1/2	882.66	1/2	625.09	1/2	361.84	1/2	98.55	1/2		1/2		1/2		1/2		1/2	
3/4	1,140.58	3/4	877.17	3/4	619.68	3/4	356.35	3/4	93.08	3/4		3/4		3/4		3/4		3/4	
10	1,135.09	10	871.68	10	614.27	10	350.86	10	87.62	10		10		10		10		10	
1/4	1,129.61	1/4	866.19	1/4	608.78	1/4	345.37	1/4	82.18	1/4		1/4		1/4		1/4		1/4	
1/2	1,124.12	1/2	860.70	1/2	603.29	1/2	339.89	1/2	76.74	1/2		1/2		1/2		1/2		1/2	
3/4	1,118.63	3/4	855.22	3/4	597.80	3/4	334.40	3/4	71.31	3/4		3/4		3/4		3/4		3/4	
11	1,113.14	11	849.73	11	592.31	11	328.91	11	65.87	11		11		11		11		11	
1/4	1,107.66	1/4	844.32	1/4	586.83	1/4	323.42	1/4	60.47	1/4		1/4		1/4		1/4		1/4	
1/2	1,102.17	1/2	838.90	1/2	581.34	1/2	317.93	1/2	55.07	1/2		1/2		1/2		1/2		1/2	
3/4	1,096.68	3/4	833.49	3/4	575.85	3/4	312.45	3/4	49.67	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/10/2017 SW
CALCULATED: 07/10/2017 CL
PRINTED: 07/11/2017 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2017

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



BARGE "IB 1090"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-02 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0	3,435.82	0	3,174.40	0	2,912.98	0	2,651.55	0	2,390.13	0	2,128.71	0	1,867.29	0	1,605.87		
1/4		1/4		1/4	3,430.38	1/4	3,168.95	1/4	2,907.53	1/4	2,646.11	1/4	2,384.69	1/4	2,123.26	1/4	1,861.84	1/4	1,600.42		
1/2		1/2		1/2	3,424.93	1/2	3,163.51	1/2	2,902.08	1/2	2,640.66	1/2	2,379.24	1/2	2,117.82	1/2	1,856.40	1/2	1,594.97		
3/4		3/4	3,661.36	3/4	3,419.48	3/4	3,158.06	3/4	2,896.64	3/4	2,635.22	3/4	2,373.79	3/4	2,112.37	3/4	1,850.95	3/4	1,589.53		
1		1	3,659.09	1	3,414.04	1	3,152.61	1	2,891.19	1	2,629.77	1	2,368.35	1	2,106.92	1	1,845.50	1	1,584.08		
1/4		1/4	3,656.82	1/4	3,408.59	1/4	3,147.17	1/4	2,885.75	1/4	2,624.32	1/4	2,362.90	1/4	2,101.48	1/4	1,840.06	1/4	1,578.63		
1/2		1/2	3,654.55	1/2	3,403.14	1/2	3,141.72	1/2	2,880.30	1/2	2,618.88	1/2	2,357.45	1/2	2,096.03	1/2	1,834.61	1/2	1,573.19		
3/4		3/4	3,652.28	3/4	3,397.70	3/4	3,136.28	3/4	2,874.85	3/4	2,613.43	3/4	2,352.01	3/4	2,090.59	3/4	1,829.16	3/4	1,567.74		
2		2	3,648.24	2	3,392.25	2	3,130.83	2	2,869.41	2	2,607.98	2	2,346.56	2	2,085.14	2	1,823.72	2	1,562.29		
1/4		1/4	3,644.19	1/4	3,386.81	1/4	3,125.38	1/4	2,863.96	1/4	2,602.54	1/4	2,341.12	1/4	2,079.69	1/4	1,818.27	1/4	1,556.85		
1/2		1/2	3,640.14	1/2	3,381.36	1/2	3,119.94	1/2	2,858.51	1/2	2,597.09	1/2	2,335.67	1/2	2,074.25	1/2	1,812.82	1/2	1,551.40		
3/4		3/4	3,636.09	3/4	3,375.91	3/4	3,114.49	3/4	2,853.07	3/4	2,591.65	3/4	2,330.22	3/4	2,068.80	3/4	1,807.38	3/4	1,545.96		
3		3	3,630.93	3	3,370.47	3	3,109.04	3	2,847.62	3	2,586.20	3	2,324.78	3	2,063.35	3	1,801.93	3	1,540.51		
1/4		1/4	3,625.76	1/4	3,365.02	1/4	3,103.60	1/4	2,842.18	1/4	2,580.75	1/4	2,319.33	1/4	2,057.91	1/4	1,796.49	1/4	1,535.06		
1/2		1/2	3,620.60	1/2	3,359.57	1/2	3,098.15	1/2	2,836.73	1/2	2,575.31	1/2	2,313.88	1/2	2,052.46	1/2	1,791.04	1/2	1,529.62		
3/4		3/4	3,615.43	3/4	3,354.13	3/4	3,092.71	3/4	2,831.28	3/4	2,569.86	3/4	2,308.44	3/4	2,047.02	3/4	1,785.59	3/4	1,524.17		
4		4	3,610.01	4	3,348.68	4	3,087.26	4	2,825.84	4	2,564.41	4	2,302.99	4	2,041.57	4	1,780.15	4	1,518.72		
1/4		1/4	3,604.58	1/4	3,343.24	1/4	3,081.81	1/4	2,820.39	1/4	2,558.97	1/4	2,297.55	1/4	2,036.12	1/4	1,774.70	1/4	1,513.28		
1/2		1/2	3,599.16	1/2	3,337.79	1/2	3,076.37	1/2	2,814.94	1/2	2,553.52	1/2	2,292.10	1/2	2,030.68	1/2	1,769.25	1/2	1,507.83		
3/4		3/4	3,593.73	3/4	3,332.34	3/4	3,070.92	3/4	2,809.50	3/4	2,548.08	3/4	2,286.65	3/4	2,025.23	3/4	1,763.81	3/4	1,502.39		
5		5	3,588.29	5	3,326.90	5	3,065.47	5	2,804.05	5	2,542.63	5	2,281.21	5	2,019.78	5	1,758.36	5	1,496.94		
1/4		1/4	3,582.85	1/4	3,321.45	1/4	3,060.03	1/4	2,798.60	1/4	2,537.18	1/4	2,275.76	1/4	2,014.34	1/4	1,752.92	1/4	1,491.49		
1/2		1/2	3,577.40	1/2	3,316.00	1/2	3,054.58	1/2	2,793.16	1/2	2,531.74	1/2	2,270.31	1/2	2,008.89	1/2	1,747.47	1/2	1,486.05		
3/4		3/4	3,571.96	3/4	3,310.56	3/4	3,049.13	3/4	2,787.71	3/4	2,526.29	3/4	2,264.87	3/4	2,003.45	3/4	1,742.02	3/4	1,480.60		
6		6	3,566.52	6	3,305.11	6	3,043.69	6	2,782.27	6	2,520.84	6	2,259.42	6	1,998.00	6	1,736.58	6	1,475.15		
1/4		1/4	3,561.08	1/4	3,299.66	1/4	3,038.24	1/4	2,776.82	1/4	2,515.40	1/4	2,253.97	1/4	1,992.55	1/4	1,731.13	1/4	1,469.71		
1/2		1/2	3,555.64	1/2	3,294.22	1/2	3,032.80	1/2	2,771.37	1/2	2,509.95	1/2	2,248.53	1/2	1,987.11	1/2	1,725.68	1/2	1,464.26		
3/4		3/4	3,550.19	3/4	3,288.77	3/4	3,027.35	3/4	2,765.93	3/4	2,504.50	3/4	2,243.08	3/4	1,981.66	3/4	1,720.24	3/4	1,458.82		
7		7	3,544.75	7	3,283.33	7	3,021.90	7	2,760.48	7	2,499.06	7	2,237.64	7	1,976.21	7	1,714.79	7	1,453.37		
1/4		1/4	3,539.30	1/4	3,277.88	1/4	3,016.46	1/4	2,755.03	1/4	2,493.61	1/4	2,232.19	1/4	1,970.77	1/4	1,709.34	1/4	1,447.92		
1/2		1/2	3,533.86	1/2	3,272.43	1/2	3,011.01	1/2	2,749.59	1/2	2,488.17	1/2	2,226.74	1/2	1,965.32	1/2	1,703.90	1/2	1,442.48		
3/4		3/4	3,528.41	3/4	3,266.99	3/4	3,005.56	3/4	2,744.14	3/4	2,482.72	3/4	2,221.30	3/4	1,959.87	3/4	1,698.45	3/4	1,437.03		
8		8	3,522.96	8	3,261.54	8	3,000.12	8	2,738.70	8	2,477.27	8	2,215.85	8	1,954.43	8	1,693.01	8	1,431.58		
1/4		1/4	3,517.52	1/4	3,256.09	1/4	2,994.67	1/4	2,733.25	1/4	2,471.83	1/4	2,210.40	1/4	1,948.98	1/4	1,687.56	1/4	1,426.14		
1/2		1/2	3,512.07	1/2	3,250.65	1/2	2,989.23	1/2	2,727.80	1/2	2,466.38	1/2	2,204.96	1/2	1,943.54	1/2	1,682.11	1/2	1,420.69		
3/4		3/4	3,506.62	3/4	3,245.20	3/4	2,983.78	3/4	2,722.36	3/4	2,460.93	3/4	2,199.51	3/4	1,938.09	3/4	1,676.67	3/4	1,415.24		
9		9	3,501.18	9	3,239.76	9	2,978.33	9	2,716.91	9	2,455.49	9	2,194.07	9	1,932.64	9	1,671.22	9	1,409.80		
1/4		1/4	3,495.73	1/4	3,234.31	1/4	2,972.89	1/4	2,711.46	1/4	2,450.04	1/4	2,188.62	1/4	1,927.20	1/4	1,665.77	1/4	1,404.35		
1/2		1/2	3,490.29	1/2	3,228.86	1/2	2,967.44	1/2	2,706.02	1/2	2,444.60	1/2	2,183.17	1/2	1,921.75	1/2	1,660.33	1/2	1,398.91		
3/4		3/4	3,484.84	3/4	3,223.42	3/4	2,961.99	3/4	2,700.57	3/4	2,439.15	3/4	2,177.73	3/4	1,916.30	3/4	1,654.88	3/4	1,393.46		
10		10	3,479.39	10	3,217.97	10	2,956.55	10	2,695.13	10	2,433.70	10	2,172.28	10	1,910.86	10	1,649.44	10	1,388.01		
1/4		1/4	3,473.95	1/4	3,212.52	1/4	2,951.10	1/4	2,689.68	1/4	2,428.26	1/4	2,166.83	1/4	1,905.41	1/4	1,643.99	1/4	1,382.57		
1/2		1/2	3,468.50	1/2	3,207.08	1/2	2,945.66	1/2	2,684.23	1/2	2,422.81	1/2	2,161.39	1/2	1,899.97	1/2	1,638.54	1/2	1,377.12		
3/4		3/4	3,463.05	3/4	3,201.63	3/4	2,940.21	3/4	2,678.79	3/4	2,417.36	3/4	2,155.94	3/4	1,894.52	3/4	1,633.10	3/4	1,371.67		
11		11	3,457.61	11	3,196.18	11	2,934.76	11	2,673.34	11	2,411.92	11	2,150.50	11	1,889.07	11	1,627.65	11	1,366.23		
1/4		1/4	3,452.16	1/4	3,190.74	1/4	2,929.32	1/4	2,667.89	1/4	2,406.47	1/4	2,145.05	1/4	1,883.63	1/4	1,622.20	1/4	1,360.78		
1/2		1/2	3,446.71	1/2	3,185.29	1/2	2,923.87	1/2	2,662.45	1/2	2,401.03	1/2	2,139.60	1/2	1,878.18	1/2	1,616.76	1/2	1,355.34		
3/4		3/4	3,441.27	3/4	3,179.85	3/4	2,918.42	3/4	2,657.00	3/4	2,395.58	3/4	2,134.16	3/4	1,872.73	3/4	1,611.31	3/4	1,349.89		

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 23'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "IB 1090"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-02 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	1,339.00	1/4	1,077.57	1/4	816.19	1/4	555.16	1/4	293.75	1/4	34.07	1/4		1/4		1/4		1/4		1/4	
1/2	1,333.55	1/2	1,072.13	1/2	810.75	1/2	549.71	1/2	288.30	1/2	29.14	1/2		1/2		1/2		1/2		1/2	
3/4	1,328.10	3/4	1,066.68	3/4	805.32	3/4	544.27	3/4	282.85	3/4	24.21	3/4		3/4		3/4		3/4		3/4	
1	1,322.66	1	1,061.24	1	799.88	1	538.82	1	277.41	1	20.58	1		1		1		1		1	
1/4	1,317.21	1/4	1,055.79	1/4	794.44	1/4	533.37	1/4	271.96	1/4	16.95	1/4		1/4		1/4		1/4		1/4	
1/2	1,311.77	1/2	1,050.34	1/2	789.01	1/2	527.93	1/2	266.52	1/2	13.33	1/2		1/2		1/2		1/2		1/2	
3/4	1,306.32	3/4	1,044.90	3/4	783.57	3/4	522.48	3/4	261.07	3/4	9.70	3/4		3/4		3/4		3/4		3/4	
2	1,300.87	2	1,039.45	2	778.13	2	517.04	2	255.62	2	7.89	2		2		2		2		2	
1/4	1,295.43	1/4	1,034.00	1/4	772.70	1/4	511.59	1/4	250.18	1/4	6.07	1/4		1/4		1/4		1/4		1/4	
1/2	1,289.98	1/2	1,028.56	1/2	767.26	1/2	506.14	1/2	244.73	1/2	4.26	1/2		1/2		1/2		1/2		1/2	
3/4	1,284.53	3/4	1,023.11	3/4	761.83	3/4	500.70	3/4	239.28	3/4	2.44	3/4		3/4		3/4		3/4		3/4	
3	1,279.09	3	1,017.66	3	756.39	3	495.25	3	233.84	3		3		3		3		3		3	
1/4	1,273.64	1/4	1,012.22	1/4	750.96	1/4	489.81	1/4	228.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,268.19	1/2	1,006.77	1/2	745.52	1/2	484.36	1/2	222.95	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,262.75	3/4	1,001.33	3/4	740.09	3/4	478.91	3/4	217.50	3/4		3/4		3/4		3/4		3/4		3/4	
4	1,257.30	4	995.88	4	734.65	4	473.47	4	212.05	4		4		4		4		4		4	
1/4	1,251.86	1/4	990.43	1/4	729.22	1/4	468.02	1/4	206.61	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,246.41	1/2	984.99	1/2	723.78	1/2	462.57	1/2	201.16	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,240.96	3/4	979.54	3/4	718.35	3/4	457.13	3/4	195.72	3/4		3/4		3/4		3/4		3/4		3/4	
5	1,235.52	5	974.09	5	712.91	5	451.68	5	190.27	5		5		5		5		5		5	
1/4	1,230.07	1/4	968.65	1/4	707.47	1/4	446.24	1/4	184.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,224.62	1/2	963.20	1/2	702.04	1/2	440.79	1/2	179.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,219.18	3/4	957.76	3/4	696.60	3/4	435.34	3/4	173.93	3/4		3/4		3/4		3/4		3/4		3/4	
6	1,213.73	6	952.31	6	691.17	6	429.90	6	168.49	6		6		6		6		6		6	
1/4	1,208.29	1/4	946.86	1/4	685.73	1/4	424.45	1/4	163.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,202.84	1/2	941.42	1/2	680.30	1/2	419.01	1/2	157.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,197.39	3/4	935.97	3/4	674.86	3/4	413.56	3/4	152.15	3/4		3/4		3/4		3/4		3/4		3/4	
7	1,191.95	7	930.52	7	669.43	7	408.11	7	146.71	7		7		7		7		7		7	
1/4	1,186.50	1/4	925.08	1/4	663.99	1/4	402.67	1/4	141.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,181.05	1/2	919.63	1/2	658.56	1/2	397.22	1/2	135.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,175.61	3/4	914.19	3/4	653.12	3/4	391.78	3/4	130.38	3/4		3/4		3/4		3/4		3/4		3/4	
8	1,170.16	8	908.74	8	647.68	8	386.33	8	124.95	8		8		8		8		8		8	
1/4	1,164.71	1/4	903.29	1/4	642.25	1/4	380.88	1/4	119.51	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,159.27	1/2	897.85	1/2	636.81	1/2	375.44	1/2	114.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,153.82	3/4	892.40	3/4	631.38	3/4	369.99	3/4	108.64	3/4		3/4		3/4		3/4		3/4		3/4	
9	1,148.38	9	886.95	9	625.94	9	364.55	9	103.22	9		9		9		9		9		9	
1/4	1,142.93	1/4	881.51	1/4	620.50	1/4	359.10	1/4	97.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,137.48	1/2	876.06	1/2	615.06	1/2	353.65	1/2	92.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,132.04	3/4	870.61	3/4	609.62	3/4	348.21	3/4	86.96	3/4		3/4		3/4		3/4		3/4		3/4	
10	1,126.59	10	865.17	10	604.17	10	342.76	10	81.56	10		10		10		10		10		10	
1/4	1,121.14	1/4	859.72	1/4	598.73	1/4	337.31	1/4	76.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,115.70	1/2	854.28	1/2	593.28	1/2	331.87	1/2	70.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,110.25	3/4	848.83	3/4	587.84	3/4	326.42	3/4	65.37	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,104.81	11	843.39	11	582.39	11	320.98	11	60.01	11		11		11		11		11		11	
1/4	1,099.36	1/4	837.95	1/4	576.94	1/4	315.53	1/4	54.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,093.91	1/2	832.50	1/2	571.50	1/2	310.08	1/2	49.29	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,088.47	3/4	827.06	3/4	566.05	3/4	304.64	3/4	43.94	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/10/2017 SW
CALCULATED: 07/10/2017 CL
PRINTED: 07/11/2017 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2017

PRECISION MEASUREMENT
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