



BARGE "IB 1089"

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	- 00-1/8	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'-03"

June 27, 2017

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

<http://www.pmacorp.net>



BARGE "IB 1089"

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	3,750.61	0	3,496.37	0	3,242.14	0	2,987.91	0	2,708.64	0	2,411.42	0	2,114.20	0	1,816.97
1/4		1/4		1/4	3,967.31	1/4	3,491.08	1/4	3,236.85	1/4	2,982.61	1/4	2,702.45	1/4	2,405.23	1/4	2,108.01	1/4	1,810.78
1/2		1/2		1/2	3,973.82	1/2	3,740.01	1/2	3,485.78	1/2	3,231.55	1/2	2,977.32	1/2	2,696.26	1/2	2,399.04	1/2	2,101.82
3/4		3/4		3/4	3,971.69	3/4	3,734.72	3/4	3,480.48	3/4	3,226.25	3/4	2,972.02	3/4	2,690.07	3/4	2,392.84	3/4	2,095.63
1	1	1	1	1	3,729.42	1	3,475.19	1	3,220.96	1	2,966.72	1	2,683.87	1	2,386.65	1	2,089.43	1	1,792.20
1/4		1/4		1/4	3,967.43	1/4	3,724.12	1/4	3,469.89	1/4	3,215.66	1/4	2,961.43	1/4	2,677.68	1/4	2,380.46	1/4	2,083.24
1/2		1/2		1/2	3,965.30	1/2	3,718.83	1/2	3,464.59	1/2	3,210.36	1/2	2,956.13	1/2	2,671.49	1/2	2,374.27	1/2	2,077.05
3/4		3/4		3/4	3,961.59	3/4	3,713.53	3/4	3,459.30	3/4	3,205.07	3/4	2,950.83	3/4	2,665.30	3/4	2,368.08	3/4	2,070.86
2	2	2	2	2	3,708.23	2	3,454.00	2	3,199.77	2	2,945.54	2	2,659.10	2	2,361.89	2	2,064.66	2	1,767.43
1/4		1/4		1/4	3,954.19	1/4	3,702.94	1/4	3,448.71	1/4	3,194.47	1/4	2,940.24	1/4	2,652.91	1/4	2,355.69	1/4	2,058.47
1/2		1/2		1/2	3,950.49	1/2	3,697.64	1/2	3,443.41	1/2	3,189.18	1/2	2,934.94	1/2	2,646.72	1/2	2,349.50	1/2	2,052.28
3/4		3/4		3/4	3,945.51	3/4	3,692.34	3/4	3,438.11	3/4	3,183.88	3/4	2,929.65	3/4	2,640.53	3/4	2,343.31	3/4	2,046.09
3	3	3	3	3	3,687.05	3	3,432.82	3	3,178.58	3	2,924.35	3	2,634.34	3	2,337.12	3	2,039.90	3	1,742.66
1/4		1/4		1/4	3,935.56	1/4	3,681.75	1/4	3,427.52	1/4	3,173.29	1/4	2,919.06	1/4	2,628.14	1/4	2,330.93	1/4	2,033.70
1/2		1/2		1/2	3,930.58	1/2	3,676.45	1/2	3,422.22	1/2	3,167.99	1/2	2,913.76	1/2	2,621.95	1/2	2,324.73	1/2	2,027.51
3/4		3/4		3/4	3,925.31	3/4	3,671.16	3/4	3,416.93	3/4	3,162.69	3/4	2,908.47	3/4	2,615.76	3/4	2,318.54	3/4	2,021.32
4	4	4	4	4	3,665.86	4	3,411.63	4	3,157.40	4	2,903.18	4	2,609.57	4	2,312.35	4	2,015.13	4	1,717.90
1/4		1/4		1/4	3,914.76	1/4	3,406.57	1/4	3,152.10	1/4	2,897.89	1/4	2,603.37	1/4	2,306.16	1/4	2,008.93	1/4	1,711.70
1/2		1/2		1/2	3,909.49	1/2	3,655.27	1/2	3,401.04	1/2	3,146.80	1/2	2,892.60	1/2	2,597.18	1/2	2,299.97	1/2	2,002.74
3/4		3/4		3/4	3,904.20	3/4	3,649.97	3/4	3,395.74	3/4	3,141.51	3/4	2,886.86	3/4	2,590.99	3/4	2,293.78	3/4	1,996.55
5	5	5	5	5	3,644.68	5	3,390.44	5	3,136.21	5	2,881.12	5	2,584.80	5	2,287.58	5	1,990.36	5	1,693.14
1/4		1/4		1/4	3,893.61	1/4	3,639.38	1/4	3,385.15	1/4	3,130.92	1/4	2,875.38	1/4	2,578.60	1/4	2,281.39	1/4	1,984.16
1/2		1/2		1/2	3,888.32	1/2	3,634.08	1/2	3,379.85	1/2	3,125.62	1/2	2,869.64	1/2	2,572.41	1/2	2,275.20	1/2	1,977.97
3/4		3/4		3/4	3,883.02	3/4	3,628.79	3/4	3,374.55	3/4	3,120.32	3/4	2,863.45	3/4	2,566.22	3/4	2,269.01	3/4	1,971.78
6	6	6	6	6	3,623.49	6	3,369.26	6	3,115.03	6	2,857.26	6	2,560.03	6	2,262.82	6	1,965.59	6	1,668.41
1/4		1/4		1/4	3,872.43	1/4	3,618.19	1/4	3,363.96	1/4	3,109.73	1/4	2,851.07	1/4	2,553.84	1/4	2,256.63	1/4	1,959.40
1/2		1/2		1/2	3,867.13	1/2	3,612.90	1/2	3,358.66	1/2	3,104.43	1/2	2,844.87	1/2	2,547.64	1/2	2,250.43	1/2	1,953.20
3/4		3/4		3/4	3,861.83	3/4	3,607.60	3/4	3,353.37	3/4	3,099.14	3/4	2,838.68	3/4	2,541.45	3/4	2,244.24	3/4	1,947.01
7	7	7	7	7	3,602.30	7	3,348.07	7	3,093.84	7	2,832.49	7	2,535.26	7	2,238.05	7	1,940.82	7	1,643.70
1/4		1/4		1/4	3,851.24	1/4	3,597.01	1/4	3,342.78	1/4	3,088.54	1/4	2,826.30	1/4	2,529.07	1/4	2,231.86	1/4	1,934.63
1/2		1/2		1/2	3,845.94	1/2	3,591.71	1/2	3,337.48	1/2	3,083.25	1/2	2,820.10	1/2	2,522.87	1/2	2,225.66	1/2	1,928.43
3/4		3/4		3/4	3,840.65	3/4	3,586.41	3/4	3,332.18	3/4	3,077.95	3/4	2,813.91	3/4	2,516.68	3/4	2,219.47	3/4	1,922.24
8	8	8	8	8	3,581.12	8	3,326.89	8	3,072.65	8	2,807.72	8	2,510.49	8	2,213.28	8	1,916.05	8	1,618.99
1/4		1/4		1/4	3,830.05	1/4	3,575.82	1/4	3,321.59	1/4	3,067.36	1/4	2,801.53	1/4	2,504.30	1/4	2,207.09	1/4	1,909.86
1/2		1/2		1/2	3,824.76	1/2	3,570.52	1/2	3,316.29	1/2	3,062.06	1/2	2,795.34	1/2	2,498.10	1/2	2,200.89	1/2	1,903.66
3/4		3/4		3/4	3,819.46	3/4	3,565.23	3/4	3,311.00	3/4	3,056.76	3/4	2,789.14	3/4	2,491.91	3/4	2,194.70	3/4	1,897.47
9	9	9	9	9	3,559.93	9	3,305.70	9	3,051.47	9	2,782.95	9	2,485.72	9	2,188.51	9	1,891.28	9	1,594.28
1/4		1/4		1/4	3,808.87	1/4	3,554.64	1/4	3,300.40	1/4	3,046.17	1/4	2,776.76	1/4	2,479.53	1/4	2,182.32	1/4	1,885.09
1/2		1/2		1/2	3,803.57	1/2	3,549.34	1/2	3,295.11	1/2	3,040.87	1/2	2,770.57	1/2	2,473.34	1/2	2,176.13	1/2	1,878.90
3/4		3/4		3/4	3,798.27	3/4	3,544.04	3/4	3,289.81	3/4	3,035.58	3/4	2,764.37	3/4	2,467.14	3/4	2,169.93	3/4	1,872.70
10	10	10	10	10	3,538.75	10	3,284.51	10	3,030.28	10	2,758.18	10	2,460.95	10	2,163.74	10	1,866.51	10	1,569.57
1/4		1/4		1/4	3,787.68	1/4	3,533.45	1/4	3,279.22	1/4	3,024.99	1/4	2,751.99	1/4	2,454.76	1/4	2,157.55	1/4	1,860.32
1/2		1/2		1/2	3,782.38	1/2	3,528.15	1/2	3,273.92	1/2	3,019.69	1/2	2,745.80	1/2	2,448.57	1/2	2,151.36	1/2	1,854.13
3/4		3/4		3/4	3,777.09	3/4	3,522.86	3/4	3,268.62	3/4	3,014.39	3/4	2,739.60	3/4	2,442.38	3/4	2,145.16	3/4	1,847.93
11	11	11	11	11	3,517.56	11	3,263.33	11	3,009.10	11	2,733.41	11	2,436.19	11	2,138.97	11	1,841.74	11	1,544.85
1/4		1/4		1/4	3,766.50	1/4	3,512.26	1/4	3,258.03	1/4	3,003.80	1/4	2,727.22	1/4	2,429.99	1/4	2,132.78	1/4	1,835.55
1/2		1/2		1/2	3,761.20	1/2	3,506.97	1/2	3,252.73	1/2	2,998.50	1/2	2,721.03	1/2	2,423.80	1/2	2,126.59	1/2	1,829.36
3/4		3/4		3/4	3,755.90	3/4	3,501.67	3/4	3,247.44	3/4	2,993.21	3/4	2,714.84	3/4	2,417.61	3/4	2,120.40	3/4	1,823.16

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
 Pearland, Texas 77588
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BARGE "IB 1089"

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	1,520.14	0	1,223.19	0	926.70	0	634.94	0	337.69	0	42.15	0		0		0		0	
1/4	1,513.96	1/4	1,217.00	1/4	920.66	1/4	628.74	1/4	331.50	1/4	36.53	1/4		1/4		1/4		1/4	
1/2	1,507.79	1/2	1,210.81	1/2	914.62	1/2	622.55	1/2	325.31	1/2	30.91	1/2		1/2		1/2		1/2	
3/4	1,501.61	3/4	1,204.63	3/4	908.58	3/4	616.36	3/4	319.12	3/4	26.78	3/4		3/4		3/4		3/4	
1	1,495.43	1	1,198.44	1	902.54	1	610.17	1	312.92	1	22.65	1		1		1		1	
1/4	1,489.25	1/4	1,192.25	1/4	896.50	1/4	603.97	1/4	306.73	1/4	18.52	1/4		1/4		1/4		1/4	
1/2	1,483.07	1/2	1,186.06	1/2	890.46	1/2	597.78	1/2	300.54	1/2	14.38	1/2		1/2		1/2		1/2	
3/4	1,476.90	3/4	1,179.87	3/4	884.42	3/4	591.59	3/4	294.35	3/4	12.32	3/4		3/4		3/4		3/4	
2	1,470.72	2	1,173.68	2	878.38	2	585.40	2	288.15	2	10.25	2		2		2		2	
1/4	1,464.54	1/4	1,167.49	1/4	872.34	1/4	579.20	1/4	281.96	1/4	8.18	1/4		1/4		1/4		1/4	
1/2	1,458.36	1/2	1,161.30	1/2	866.30	1/2	573.01	1/2	275.77	1/2	6.11	1/2		1/2		1/2		1/2	
3/4	1,452.18	3/4	1,155.11	3/4	860.26	3/4	566.82	3/4	269.57	3/4		3/4		3/4		3/4		3/4	
3	1,445.99	3	1,148.92	3	854.22	3	560.63	3	263.38	3		3		3		3		3	
1/4	1,439.81	1/4	1,142.73	1/4	848.18	1/4	554.43	1/4	257.19	1/4		1/4		1/4		1/4		1/4	
1/2	1,433.63	1/2	1,136.54	1/2	842.13	1/2	548.24	1/2	251.00	1/2		1/2		1/2		1/2		1/2	
3/4	1,427.44	3/4	1,130.36	3/4	836.09	3/4	542.05	3/4	244.80	3/4		3/4		3/4		3/4		3/4	
4	1,421.25	4	1,124.17	4	830.05	4	535.86	4	238.61	4		4		4		4		4	
1/4	1,415.06	1/4	1,117.98	1/4	824.01	1/4	529.66	1/4	232.41	1/4		1/4		1/4		1/4		1/4	
1/2	1,408.87	1/2	1,111.79	1/2	817.97	1/2	523.47	1/2	226.21	1/2		1/2		1/2		1/2		1/2	
3/4	1,402.68	3/4	1,105.60	3/4	811.93	3/4	517.28	3/4	220.01	3/4		3/4		3/4		3/4		3/4	
5	1,396.49	5	1,099.41	5	805.89	5	511.09	5	213.82	5		5		5		5		5	
1/4	1,390.30	1/4	1,093.22	1/4	799.85	1/4	504.89	1/4	207.62	1/4		1/4		1/4		1/4		1/4	
1/2	1,384.11	1/2	1,087.03	1/2	793.81	1/2	498.70	1/2	201.42	1/2		1/2		1/2		1/2		1/2	
3/4	1,377.92	3/4	1,080.84	3/4	787.77	3/4	492.51	3/4	195.22	3/4		3/4		3/4		3/4		3/4	
6	1,371.73	6	1,074.65	6	781.73	6	486.32	6	189.02	6		6		6		6		6	
1/4	1,365.54	1/4	1,068.46	1/4	775.69	1/4	480.12	1/4	182.83	1/4		1/4		1/4		1/4		1/4	
1/2	1,359.36	1/2	1,062.27	1/2	769.65	1/2	473.93	1/2	176.63	1/2		1/2		1/2		1/2		1/2	
3/4	1,353.17	3/4	1,056.08	3/4	763.61	3/4	467.74	3/4	170.44	3/4		3/4		3/4		3/4		3/4	
7	1,346.98	7	1,049.90	7	757.57	7	461.55	7	164.24	7		7		7		7		7	
1/4	1,340.79	1/4	1,043.71	1/4	751.53	1/4	455.35	1/4	158.05	1/4		1/4		1/4		1/4		1/4	
1/2	1,334.60	1/2	1,037.52	1/2	745.49	1/2	449.16	1/2	151.86	1/2		1/2		1/2		1/2		1/2	
3/4	1,328.41	3/4	1,031.33	3/4	739.45	3/4	442.97	3/4	145.67	3/4		3/4		3/4		3/4		3/4	
8	1,322.22	8	1,025.14	8	733.41	8	436.78	8	139.48	8		8		8		8		8	
1/4	1,316.03	1/4	1,018.95	1/4	727.37	1/4	430.58	1/4	133.29	1/4		1/4		1/4		1/4		1/4	
1/2	1,309.84	1/2	1,012.76	1/2	721.33	1/2	424.39	1/2	127.10	1/2		1/2		1/2		1/2		1/2	
3/4	1,303.65	3/4	1,006.57	3/4	715.21	3/4	418.20	3/4	120.92	3/4		3/4		3/4		3/4		3/4	
9	1,297.46	9	1,000.38	9	709.09	9	412.01	9	114.75	9		9		9		9		9	
1/4	1,291.27	1/4	994.19	1/4	702.98	1/4	405.81	1/4	108.57	1/4		1/4		1/4		1/4		1/4	
1/2	1,285.09	1/2	988.00	1/2	696.86	1/2	399.62	1/2	102.40	1/2		1/2		1/2		1/2		1/2	
3/4	1,278.90	3/4	981.81	3/4	690.67	3/4	393.43	3/4	96.25	3/4		3/4		3/4		3/4		3/4	
10	1,272.71	10	975.63	10	684.48	10	387.24	10	90.10	10		10		10		10		10	
1/4	1,266.52	1/4	969.44	1/4	678.28	1/4	381.04	1/4	83.95	1/4		1/4		1/4		1/4		1/4	
1/2	1,260.33	1/2	963.25	1/2	672.09	1/2	374.85	1/2	77.80	1/2		1/2		1/2		1/2		1/2	
3/4	1,254.14	3/4	957.13	3/4	665.90	3/4	368.66	3/4	71.70	3/4		3/4		3/4		3/4		3/4	
11	1,247.95	11	951.02	11	659.71	11	362.47	11	65.59	11		11		11		11		11	
1/4	1,241.76	1/4	944.90	1/4	653.51	1/4	356.27	1/4	59.49	1/4		1/4		1/4		1/4		1/4	
1/2	1,235.57	1/2	938.79	1/2	647.32	1/2	350.08	1/2	53.39	1/2		1/2		1/2		1/2		1/2	
3/4	1,229.38	3/4	932.74	3/4	641.13	3/4	343.89	3/4	47.77	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/26/2017 CL
CALCULATED: 06/27/2017 CL
PRINTED: 06/27/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2017

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



BARGE "IB 1089"

2 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	3,450.19	0	3,186.83	0	2,923.48	0	2,660.12	0	2,396.76	0	2,133.41	0	1,870.05	0	1,606.69		
1/4	1/4	1/4	3,444.70	1/4	3,181.35	1/4	2,917.99	1/4	2,654.63	1/4	2,391.28	1/4	2,127.92	1/4	1,864.56	1/4	1,601.21		
1/2	1/2	1/2	3,682.91	1/2	3,439.22	1/2	3,175.86	1/2	2,912.50	1/2	2,649.15	1/2	2,385.79	1/2	2,122.43	1/2	1,859.08	1/2	1,595.72
3/4	3/4	3/4	3,680.62	3/4	3,433.73	3/4	3,170.37	3/4	2,907.02	3/4	2,643.66	3/4	2,380.30	3/4	2,116.95	3/4	1,853.59	3/4	1,590.23
1	1	1	3,678.33	1	3,428.24	1	3,164.89	1	2,901.53	1	2,638.17	1	2,374.82	1	2,111.46	1	1,848.10	1	1,584.75
1/4	1/4	1/4	3,676.05	1/4	3,422.76	1/4	3,159.40	1/4	2,896.04	1/4	2,632.69	1/4	2,369.33	1/4	2,105.97	1/4	1,842.62	1/4	1,579.26
1/2	1/2	1/2	3,673.76	1/2	3,417.27	1/2	3,153.91	1/2	2,890.56	1/2	2,627.20	1/2	2,363.84	1/2	2,100.49	1/2	1,837.13	1/2	1,573.77
3/4	3/4	3/4	3,669.69	3/4	3,411.78	3/4	3,148.43	3/4	2,885.07	3/4	2,621.71	3/4	2,358.36	3/4	2,095.00	3/4	1,831.64	3/4	1,568.29
2	2	2	3,665.61	2	3,406.30	2	3,142.94	2	2,879.58	2	2,616.23	2	2,352.87	2	2,089.51	2	1,826.16	2	1,562.80
1/4	1/4	1/4	3,661.53	1/4	3,400.81	1/4	3,137.45	1/4	2,874.10	1/4	2,610.74	1/4	2,347.38	1/4	2,084.03	1/4	1,820.67	1/4	1,557.31
1/2	1/2	1/2	3,657.45	1/2	3,395.32	1/2	3,131.97	1/2	2,868.61	1/2	2,605.25	1/2	2,341.90	1/2	2,078.54	1/2	1,815.18	1/2	1,551.83
3/4	3/4	3/4	3,652.25	3/4	3,389.84	3/4	3,126.48	3/4	2,863.12	3/4	2,599.77	3/4	2,336.41	3/4	2,073.05	3/4	1,809.70	3/4	1,546.34
3	3	3	3,647.05	3	3,384.35	3	3,120.99	3	2,857.64	3	2,594.28	3	2,330.92	3	2,067.57	3	1,804.21	3	1,540.85
1/4	1/4	1/4	3,641.84	1/4	3,378.86	1/4	3,115.51	1/4	2,852.15	1/4	2,588.79	1/4	2,325.44	1/4	2,062.08	1/4	1,798.72	1/4	1,535.37
1/2	1/2	1/2	3,636.64	1/2	3,373.38	1/2	3,110.02	1/2	2,846.66	1/2	2,583.31	1/2	2,319.95	1/2	2,056.59	1/2	1,793.24	1/2	1,529.88
3/4	3/4	3/4	3,631.17	3/4	3,367.89	3/4	3,104.53	3/4	2,841.18	3/4	2,577.82	3/4	2,314.46	3/4	2,051.11	3/4	1,787.75	3/4	1,524.39
4	4	4	3,625.71	4	3,362.40	4	3,099.05	4	2,835.69	4	2,572.33	4	2,308.98	4	2,045.62	4	1,782.26	4	1,518.91
1/4	1/4	1/4	3,620.24	1/4	3,356.92	1/4	3,093.56	1/4	2,830.20	1/4	2,566.85	1/4	2,303.49	1/4	2,040.13	1/4	1,776.78	1/4	1,513.42
1/2	1/2	1/2	3,614.78	1/2	3,351.43	1/2	3,088.07	1/2	2,824.72	1/2	2,561.36	1/2	2,298.00	1/2	2,034.65	1/2	1,771.29	1/2	1,507.93
3/4	3/4	3/4	3,609.29	3/4	3,345.94	3/4	3,082.59	3/4	2,819.23	3/4	2,555.87	3/4	2,292.52	3/4	2,029.16	3/4	1,765.80	3/4	1,502.45
5	5	5	3,603.81	5	3,340.46	5	3,077.10	5	2,813.74	5	2,550.39	5	2,287.03	5	2,023.67	5	1,760.32	5	1,496.96
1/4	1/4	1/4	3,598.33	1/4	3,334.97	1/4	3,071.61	1/4	2,808.26	1/4	2,544.90	1/4	2,281.54	1/4	2,018.19	1/4	1,754.83	1/4	1,491.47
1/2	1/2	1/2	3,592.85	1/2	3,329.48	1/2	3,066.13	1/2	2,802.77	1/2	2,539.41	1/2	2,276.06	1/2	2,012.70	1/2	1,749.34	1/2	1,485.99
3/4	3/4	3/4	3,587.36	3/4	3,324.00	3/4	3,060.64	3/4	2,797.28	3/4	2,533.93	3/4	2,270.57	3/4	2,007.21	3/4	1,743.86	3/4	1,480.50
6	6	6	3,581.87	6	3,318.51	6	3,055.15	6	2,791.80	6	2,528.44	6	2,265.08	6	2,001.73	6	1,738.37	6	1,475.01
1/4	1/4	1/4	3,576.38	1/4	3,313.02	1/4	3,049.67	1/4	2,786.31	1/4	2,522.95	1/4	2,259.60	1/4	1,996.24	1/4	1,732.88	1/4	1,469.53
1/2	1/2	1/2	3,570.89	1/2	3,307.54	1/2	3,044.18	1/2	2,780.82	1/2	2,517.47	1/2	2,254.11	1/2	1,990.75	1/2	1,727.40	1/2	1,464.04
3/4	3/4	3/4	3,565.41	3/4	3,302.05	3/4	3,038.69	3/4	2,775.34	3/4	2,511.98	3/4	2,248.62	3/4	1,985.27	3/4	1,721.91	3/4	1,458.55
7	7	7	3,559.92	7	3,296.56	7	3,033.21	7	2,769.85	7	2,506.49	7	2,243.14	7	1,979.78	7	1,716.42	7	1,453.07
1/4	1/4	1/4	3,554.43	1/4	3,291.08	1/4	3,027.72	1/4	2,764.36	1/4	2,501.01	1/4	2,237.65	1/4	1,974.29	1/4	1,710.94	1/4	1,447.58
1/2	1/2	1/2	3,548.95	1/2	3,285.59	1/2	3,022.23	1/2	2,758.88	1/2	2,495.52	1/2	2,232.16	1/2	1,968.81	1/2	1,705.45	1/2	1,442.09
3/4	3/4	3/4	3,543.46	3/4	3,280.10	3/4	3,016.75	3/4	2,753.39	3/4	2,490.03	3/4	2,226.68	3/4	1,963.32	3/4	1,699.96	3/4	1,436.61
8	8	8	3,537.98	8	3,274.62	8	3,011.26	8	2,747.90	8	2,484.55	8	2,221.19	8	1,957.83	8	1,694.48	8	1,431.12
1/4	1/4	1/4	3,532.49	1/4	3,269.13	1/4	3,005.77	1/4	2,742.42	1/4	2,479.06	1/4	2,215.70	1/4	1,952.35	1/4	1,688.99	1/4	1,425.63
1/2	1/2	1/2	3,527.00	1/2	3,263.64	1/2	3,000.29	1/2	2,736.93	1/2	2,473.57	1/2	2,210.22	1/2	1,946.86	1/2	1,683.50	1/2	1,420.15
3/4	3/4	3/4	3,521.52	3/4	3,258.16	3/4	2,994.80	3/4	2,731.44	3/4	2,468.09	3/4	2,204.73	3/4	1,941.37	3/4	1,678.02	3/4	1,414.66
9	9	9	3,516.03	9	3,252.67	9	2,989.31	9	2,725.96	9	2,462.60	9	2,199.24	9	1,935.89	9	1,672.53	9	1,409.17
1/4	1/4	1/4	3,510.54	1/4	3,247.19	1/4	2,983.83	1/4	2,720.47	1/4	2,457.11	1/4	2,193.76	1/4	1,930.40	1/4	1,667.04	1/4	1,403.69
1/2	1/2	1/2	3,505.06	1/2	3,241.70	1/2	2,978.34	1/2	2,714.98	1/2	2,451.63	1/2	2,188.27	1/2	1,924.91	1/2	1,661.56	1/2	1,398.20
3/4	3/4	3/4	3,499.57	3/4	3,236.21	3/4	2,972.86	3/4	2,709.50	3/4	2,446.14	3/4	2,182.78	3/4	1,919.43	3/4	1,656.07	3/4	1,392.71
10	10	10	3,494.08	10	3,230.73	10	2,967.37	10	2,704.01	10	2,440.65	10	2,177.30	10	1,913.94	10	1,650.58	10	1,387.23
1/4	1/4	1/4	3,488.60	1/4	3,225.24	1/4	2,961.88	1/4	2,698.53	1/4	2,435.17	1/4	2,171.81	1/4	1,908.45	1/4	1,645.10	1/4	1,381.74
1/2	1/2	1/2	3,483.11	1/2	3,219.75	1/2	2,956.40	1/2	2,693.04	1/2	2,429.68	1/2	2,166.32	1/2	1,902.97	1/2	1,639.61	1/2	1,376.25
3/4	3/4	3/4	3,477.62	3/4	3,214.27	3/4	2,950.91	3/4	2,687.55	3/4	2,424.20	3/4	2,160.84	3/4	1,897.48	3/4	1,634.12	3/4	1,370.77
11	11	11	3,472.14	11	3,208.78	11	2,945.42	11	2,682.07	11	2,418.71	11	2,155.35	11	1,891.99	11	1,628.64	11	1,365.28
1/4	1/4	1/4	3,466.65	1/4	3,203.29	1/4	2,939.94	1/4	2,676.58	1/4	2,413.22	1/4	2,149.87	1/4	1,886.51	1/4	1,623.15	1/4	1,359.79
1/2	1/2	1/2	3,461.16	1/2	3,197.81	1/2	2,934.45	1/2	2,671.09	1/2	2,407.74	1/2	2,144.38	1/2	1,881.02	1/2	1,617.66	1/2	1,354.31
3/4	3/4	3/4	3,455.68	3/4	3,192.32	3/4	2,928.96	3/4	2,665.61	3/4	2,402.25	3/4	2,138.89	3/4	1,875.54	3/4	1,612.18	3/4	1,348.82

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 1089"

2 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	1,343.33	0	1,079.98	0	817.22	0	559.26	0	295.92	0	34.32	0		0				0	
1/4	1,337.85	1/4	1,074.49	1/4	811.88	1/4	553.78	1/4	290.43	1/4	29.35	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,332.36	1/2	1,069.00	1/2	806.54	1/2	548.29	1/2	284.94	1/2	24.38	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,326.88	3/4	1,063.52	3/4	801.20	3/4	542.80	3/4	279.46	3/4	20.73	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,321.39	1	1,058.03	1	795.87	1	537.32	1	273.97	1	17.08	1	1	1	1	1	1	1	1
1/4	1,315.90	1/4	1,052.55	1/4	790.53	1/4	531.83	1/4	268.48	1/4	13.42	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,310.42	1/2	1,047.06	1/2	785.19	1/2	526.35	1/2	263.00	1/2	9.77	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,304.93	3/4	1,041.57	3/4	779.86	3/4	520.86	3/4	257.51	3/4	7.94	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,299.44	2	1,036.09	2	774.52	2	515.37	2	252.03	2	6.11	2	2	2	2	2	2	2	2
1/4	1,293.96	1/4	1,030.60	1/4	769.18	1/4	509.89	1/4	246.54	1/4	4.28	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,288.47	1/2	1,025.11	1/2	763.85	1/2	504.40	1/2	241.05	1/2	2.45	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,282.98	3/4	1,019.63	3/4	758.51	3/4	498.91	3/4	235.57	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,277.50	3	1,014.14	3	753.17	3	493.43	3	230.08	3		3	3	3	3	3	3	3	3
1/4	1,272.01	1/4	1,008.65	1/4	747.84	1/4	487.94	1/4	224.59	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,266.52	1/2	1,003.17	1/2	742.50	1/2	482.45	1/2	219.11	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,261.04	3/4	997.68	3/4	737.16	3/4	476.97	3/4	213.62	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,255.55	4	992.19	4	731.83	4	471.48	4	208.13	4		4	4	4	4	4	4	4	4
1/4	1,250.06	1/4	986.71	1/4	726.49	1/4	465.99	1/4	202.65	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,244.58	1/2	981.22	1/2	721.16	1/2	460.51	1/2	197.16	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,239.09	3/4	975.73	3/4	715.82	3/4	455.02	3/4	191.68	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,233.60	5	970.25	5	710.48	5	449.54	5	186.19	5		5	5	5	5	5	5	5	5
1/4	1,228.12	1/4	964.76	1/4	705.15	1/4	444.05	1/4	180.70	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,222.63	1/2	959.27	1/2	699.81	1/2	438.56	1/2	175.22	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,217.14	3/4	953.79	3/4	694.47	3/4	433.08	3/4	169.73	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,211.66	6	948.30	6	689.14	6	427.59	6	164.25	6		6	6	6	6	6	6	6	6
1/4	1,206.17	1/4	942.81	1/4	683.80	1/4	422.10	1/4	158.76	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,200.68	1/2	937.33	1/2	678.46	1/2	416.62	1/2	153.27	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,195.20	3/4	931.84	3/4	673.13	3/4	411.13	3/4	147.79	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,189.71	7	926.35	7	667.79	7	405.64	7	142.31	7		7	7	7	7	7	7	7	7
1/4	1,184.22	1/4	920.87	1/4	662.46	1/4	400.16	1/4	136.83	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,178.74	1/2	915.38	1/2	657.12	1/2	394.67	1/2	131.34	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,173.25	3/4	909.89	3/4	651.78	3/4	389.19	3/4	125.87	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,167.76	8	904.41	8	646.45	8	383.70	8	120.39	8		8	8	8	8	8	8	8	8
1/4	1,162.28	1/4	898.92	1/4	641.11	1/4	378.21	1/4	114.92	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,156.79	1/2	893.43	1/2	635.77	1/2	372.73	1/2	109.44	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,151.30	3/4	887.95	3/4	630.36	3/4	367.24	3/4	103.98	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,145.82	9	882.46	9	624.95	9	361.75	9	98.52	9		9	9	9	9	9	9	9	9
1/4	1,140.33	1/4	876.97	1/4	619.54	1/4	356.27	1/4	93.06	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,134.84	1/2	871.49	1/2	614.13	1/2	350.78	1/2	87.60	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,129.36	3/4	866.00	3/4	608.64	3/4	345.29	3/4	82.16	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,123.87	10	860.51	10	603.15	10	339.81	10	76.72	10		10	10	10	10	10	10	10	10
1/4	1,118.38	1/4	855.03	1/4	597.67	1/4	334.32	1/4	71.29	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,112.90	1/2	849.54	1/2	592.18	1/2	328.83	1/2	65.85	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,107.41	3/4	844.13	3/4	586.70	3/4	323.35	3/4	60.45	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,101.92	11	838.72	11	581.21	11	317.86	11	55.05	11		11	11	11	11	11	11	11	11
1/4	1,096.44	1/4	833.30	1/4	575.72	1/4	312.38	1/4	49.66	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,090.95	1/2	827.89	1/2	570.24	1/2	306.89	1/2	44.26	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,085.46	3/4	822.55	3/4	564.75	3/4	301.40	3/4	39.29	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/26/2017 CL
CALCULATED: 06/27/2017 CL
PRINTED: 06/27/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2017

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



BARGE "IB 1089"

3 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	3,431.14	0	3,169.66	0	2,908.18	0	2,646.70	0	2,385.22	0	2,123.74	0	1,862.26	0	1,600.78		
1/4	1/4	1/4	3,425.69	1/4	3,164.21	1/4	2,902.73	1/4	2,641.25	1/4	2,379.77	1/4	2,118.29	1/4	1,856.81	1/4	1,595.33		
1/2	1/2	1/2	3,662.18	1/2	3,420.24	1/2	3,158.76	1/2	2,897.28	1/2	2,635.80	1/2	2,374.32	1/2	2,112.84	1/2	1,851.36	1/2	1,589.88
3/4	3/4	3/4	3,659.91	3/4	3,414.79	3/4	3,153.31	3/4	2,891.83	3/4	2,630.35	3/4	2,368.87	3/4	2,107.39	3/4	1,845.91	3/4	1,584.43
1	1	1	3,657.64	1	3,409.35	1	3,147.87	1	2,886.39	1	2,624.91	1	2,363.43	1	2,101.95	1	1,840.47	1	1,578.99
1/4	1/4	1/4	3,655.37	1/4	3,403.90	1/4	3,142.42	1/4	2,880.94	1/4	2,619.46	1/4	2,357.98	1/4	2,096.50	1/4	1,835.02	1/4	1,573.54
1/2	1/2	1/2	3,653.10	1/2	3,398.45	1/2	3,136.97	1/2	2,875.49	1/2	2,614.01	1/2	2,352.53	1/2	2,091.05	1/2	1,829.57	1/2	1,568.09
3/4	3/4	3/4	3,649.05	3/4	3,393.00	3/4	3,131.52	3/4	2,870.04	3/4	2,608.56	3/4	2,347.08	3/4	2,085.60	3/4	1,824.12	3/4	1,562.64
2	2	2	3,645.00	2	3,387.56	2	3,126.08	2	2,864.60	2	2,603.12	2	2,341.64	2	2,080.16	2	1,818.68	2	1,557.20
1/4	1/4	1/4	3,640.95	1/4	3,382.11	1/4	3,120.63	1/4	2,859.15	1/4	2,597.67	1/4	2,336.19	1/4	2,074.71	1/4	1,813.23	1/4	1,551.75
1/2	1/2	1/2	3,636.91	1/2	3,376.66	1/2	3,115.18	1/2	2,853.70	1/2	2,592.22	1/2	2,330.74	1/2	2,069.26	1/2	1,807.78	1/2	1,546.30
3/4	3/4	3/4	3,631.74	3/4	3,371.21	3/4	3,109.73	3/4	2,848.25	3/4	2,586.77	3/4	2,325.29	3/4	2,063.81	3/4	1,802.33	3/4	1,540.85
3	3	3	3,626.57	3	3,365.77	3	3,104.29	3	2,842.81	3	2,581.33	3	2,319.85	3	2,058.37	3	1,796.89	3	1,535.41
1/4	1/4	1/4	3,621.41	1/4	3,360.32	1/4	3,100.84	1/4	2,837.36	1/4	2,575.88	1/4	2,314.40	1/4	2,052.92	1/4	1,791.44	1/4	1,529.96
1/2	1/2	1/2	3,616.24	1/2	3,354.87	1/2	3,093.39	1/2	2,831.91	1/2	2,570.43	1/2	2,308.95	1/2	2,047.47	1/2	1,785.99	1/2	1,524.51
3/4	3/4	3/4	3,610.81	3/4	3,349.42	3/4	3,087.94	3/4	2,826.46	3/4	2,564.98	3/4	2,303.50	3/4	2,042.02	3/4	1,780.54	3/4	1,519.06
4	4	4	3,605.39	4	3,343.98	4	3,082.50	4	2,821.02	4	2,559.54	4	2,298.06	4	2,036.58	4	1,775.10	4	1,513.62
1/4	1/4	1/4	3,599.96	1/4	3,338.53	1/4	3,077.05	1/4	2,815.57	1/4	2,554.09	1/4	2,292.61	1/4	2,031.13	1/4	1,769.65	1/4	1,508.17
1/2	1/2	1/2	3,594.53	1/2	3,333.08	1/2	3,071.60	1/2	2,810.12	1/2	2,548.64	1/2	2,287.16	1/2	2,025.68	1/2	1,764.20	1/2	1,502.72
3/4	3/4	3/4	3,589.09	3/4	3,327.63	3/4	3,066.15	3/4	2,804.67	3/4	2,543.19	3/4	2,281.71	3/4	2,020.23	3/4	1,758.75	3/4	1,497.27
5	5	5	3,583.65	5	3,322.19	5	3,060.71	5	2,799.23	5	2,537.75	5	2,276.27	5	2,014.79	5	1,753.31	5	1,491.83
1/4	1/4	1/4	3,578.20	1/4	3,316.74	1/4	3,055.26	1/4	2,793.78	1/4	2,532.30	1/4	2,270.82	1/4	2,009.34	1/4	1,747.86	1/4	1,486.38
1/2	1/2	1/2	3,572.76	1/2	3,311.29	1/2	3,049.81	1/2	2,788.33	1/2	2,526.85	1/2	2,265.37	1/2	2,003.89	1/2	1,742.41	1/2	1,480.93
3/4	3/4	3/4	3,567.32	3/4	3,305.84	3/4	3,044.36	3/4	2,782.88	3/4	2,521.40	3/4	2,259.92	3/4	1,998.44	3/4	1,736.96	3/4	1,475.48
6	6	6	3,561.87	6	3,300.40	6	3,038.92	6	2,777.44	6	2,515.96	6	2,254.48	6	1,993.00	6	1,731.52	6	1,470.04
1/4	1/4	1/4	3,556.43	1/4	3,294.95	1/4	3,033.47	1/4	2,771.99	1/4	2,510.51	1/4	2,249.03	1/4	1,987.55	1/4	1,726.07	1/4	1,464.59
1/2	1/2	1/2	3,550.98	1/2	3,289.50	1/2	3,028.02	1/2	2,766.54	1/2	2,505.06	1/2	2,243.58	1/2	1,982.10	1/2	1,720.62	1/2	1,459.14
3/4	3/4	3/4	3,545.53	3/4	3,284.05	3/4	3,022.57	3/4	2,761.09	3/4	2,499.61	3/4	2,238.13	3/4	1,976.65	3/4	1,715.17	3/4	1,453.69
7	7	7	3,540.09	7	3,278.61	7	3,017.13	7	2,755.65	7	2,494.17	7	2,232.69	7	1,971.21	7	1,709.73	7	1,448.25
1/4	1/4	1/4	3,534.64	1/4	3,273.16	1/4	3,011.68	1/4	2,750.20	1/4	2,488.72	1/4	2,227.24	1/4	1,965.76	1/4	1,704.28	1/4	1,442.80
1/2	1/2	1/2	3,529.19	1/2	3,267.71	1/2	3,006.23	1/2	2,744.75	1/2	2,483.27	1/2	2,221.79	1/2	1,960.31	1/2	1,698.83	1/2	1,437.35
3/4	3/4	3/4	3,523.74	3/4	3,262.26	3/4	3,000.78	3/4	2,739.30	3/4	2,477.82	3/4	2,216.34	3/4	1,954.86	3/4	1,693.38	3/4	1,431.90
8	8	8	3,518.30	8	3,256.82	8	2,995.34	8	2,733.86	8	2,472.38	8	2,210.90	8	1,949.42	8	1,687.94	8	1,426.46
1/4	1/4	1/4	3,512.85	1/4	3,251.37	1/4	2,989.89	1/4	2,728.41	1/4	2,466.93	1/4	2,205.45	1/4	1,943.97	1/4	1,682.49	1/4	1,421.01
1/2	1/2	1/2	3,507.40	1/2	3,245.92	1/2	2,984.44	1/2	2,722.96	1/2	2,461.48	1/2	2,200.00	1/2	1,938.52	1/2	1,677.04	1/2	1,415.56
3/4	3/4	3/4	3,501.95	3/4	3,240.47	3/4	2,978.99	3/4	2,717.51	3/4	2,456.03	3/4	2,194.55	3/4	1,933.07	3/4	1,671.59	3/4	1,410.11
9	9	9	3,496.51	9	3,235.03	9	2,973.55	9	2,712.07	9	2,450.59	9	2,189.11	9	1,927.63	9	1,666.15	9	1,404.67
1/4	1/4	1/4	3,491.06	1/4	3,229.58	1/4	2,968.10	1/4	2,706.62	1/4	2,445.14	1/4	2,183.66	1/4	1,922.18	1/4	1,660.70	1/4	1,399.22
1/2	1/2	1/2	3,485.61	1/2	3,224.13	1/2	2,962.65	1/2	2,701.17	1/2	2,439.69	1/2	2,178.21	1/2	1,916.73	1/2	1,655.25	1/2	1,393.77
3/4	3/4	3/4	3,480.16	3/4	3,218.68	3/4	2,957.20	3/4	2,695.72	3/4	2,434.24	3/4	2,172.76	3/4	1,911.28	3/4	1,649.80	3/4	1,388.32
10	10	10	3,474.72	10	3,213.24	10	2,951.76	10	2,690.28	10	2,428.80	10	2,167.32	10	1,905.84	10	1,644.36	10	1,382.88
1/4	1/4	1/4	3,469.27	1/4	3,207.79	1/4	2,946.31	1/4	2,684.83	1/4	2,423.35	1/4	2,161.87	1/4	1,900.39	1/4	1,638.91	1/4	1,377.43
1/2	1/2	1/2	3,463.82	1/2	3,202.34	1/2	2,940.86	1/2	2,679.38	1/2	2,417.90	1/2	2,156.42	1/2	1,894.94	1/2	1,633.46	1/2	1,371.98
3/4	3/4	3/4	3,458.37	3/4	3,196.89	3/4	2,935.41	3/4	2,673.93	3/4	2,412.45	3/4	2,150.97	3/4	1,889.49	3/4	1,628.01	3/4	1,366.53
11	11	11	3,452.93	11	3,191.45	11	2,929.97	11	2,668.49	11	2,407.01	11	2,145.53	11	1,884.05	11	1,622.57	11	1,361.09
1/4	1/4	1/4	3,447.48	1/4	3,186.00	1/4	2,924.52	1/4	2,663.04	1/4	2,401.56	1/4	2,140.08	1/4	1,878.60	1/4	1,617.12	1/4	1,355.64
1/2	1/2	1/2	3,442.03	1/2	3,180.55	1/2	2,919.07	1/2	2,657.59	1/2	2,396.11	1/2	2,134.63	1/2	1,873.15	1/2	1,611.67	1/2	1,350.19
3/4	3/4	3/4	3,436.58	3/4	3,175.10	3/4	2,913.62	3/4	2,652.14	3/4	2,390.66	3/4	2,129.18	3/4	1,867.70	3/4	1,606.22	3/4	1,344.74

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 1089"

3 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	1,339.30	0	1,077.82	0	816.37	0	555.28	0	293.81	0	34.08	0		0		0		0	
1/4	1,333.85	1/4	1,072.37	1/4	810.93	1/4	549.84	1/4	288.36	1/4	29.15	1/4		1/4		1/4		1/4	
1/2	1,328.40	1/2	1,066.92	1/2	805.50	1/2	544.39	1/2	282.92	1/2	24.22	1/2		1/2		1/2		1/2	
3/4	1,322.95	3/4	1,061.47	3/4	800.06	3/4	538.94	3/4	277.47	3/4	20.59	3/4		3/4		3/4		3/4	
1	1,317.51	1	1,056.03	1	794.62	1	533.49	1	272.02	1	16.96	1		1		1		1	
1/4	1,312.06	1/4	1,050.58	1/4	789.19	1/4	528.05	1/4	266.58	1/4	13.33	1/4		1/4		1/4		1/4	
1/2	1,306.61	1/2	1,045.13	1/2	783.75	1/2	522.60	1/2	261.13	1/2	9.70	1/2		1/2		1/2		1/2	
3/4	1,301.16	3/4	1,039.68	3/4	778.31	3/4	517.15	3/4	255.68	3/4	7.89	3/4		3/4		3/4		3/4	
2	1,295.72	2	1,034.24	2	772.87	2	511.70	2	250.23	2	6.07	2		2		2		2	
1/4	1,290.27	1/4	1,028.79	1/4	767.44	1/4	506.26	1/4	244.79	1/4	4.26	1/4		1/4		1/4		1/4	
1/2	1,284.82	1/2	1,023.34	1/2	762.00	1/2	500.81	1/2	239.34	1/2	2.44	1/2		1/2		1/2		1/2	
3/4	1,279.37	3/4	1,017.89	3/4	756.56	3/4	495.36	3/4	233.89	3/4		3/4		3/4		3/4		3/4	
3	1,273.93	3	1,012.45	3	751.13	3	489.91	3	228.44	3		3		3		3		3	
1/4	1,268.48	1/4	1,007.00	1/4	745.69	1/4	484.47	1/4	223.00	1/4		1/4		1/4		1/4		1/4	
1/2	1,263.03	1/2	1,001.55	1/2	740.25	1/2	479.02	1/2	217.55	1/2		1/2		1/2		1/2		1/2	
3/4	1,257.58	3/4	996.10	3/4	734.82	3/4	473.57	3/4	212.10	3/4		3/4		3/4		3/4		3/4	
4	1,252.14	4	990.66	4	729.38	4	468.13	4	206.66	4		4		4		4		4	
1/4	1,246.69	1/4	985.21	1/4	723.94	1/4	462.68	1/4	201.21	1/4		1/4		1/4		1/4		1/4	
1/2	1,241.24	1/2	979.76	1/2	718.51	1/2	457.23	1/2	195.76	1/2		1/2		1/2		1/2		1/2	
3/4	1,235.79	3/4	974.31	3/4	713.07	3/4	451.78	3/4	190.31	3/4		3/4		3/4		3/4		3/4	
5	1,230.35	5	968.87	5	707.63	5	446.34	5	184.87	5		5		5		5		5	
1/4	1,224.90	1/4	963.42	1/4	702.20	1/4	440.89	1/4	179.42	1/4		1/4		1/4		1/4		1/4	
1/2	1,219.45	1/2	957.97	1/2	696.76	1/2	435.44	1/2	173.97	1/2		1/2		1/2		1/2		1/2	
3/4	1,214.00	3/4	952.52	3/4	691.32	3/4	429.99	3/4	168.53	3/4		3/4		3/4		3/4		3/4	
6	1,208.56	6	947.08	6	685.89	6	424.55	6	163.08	6		6		6		6		6	
1/4	1,203.11	1/4	941.63	1/4	680.45	1/4	419.10	1/4	157.63	1/4		1/4		1/4		1/4		1/4	
1/2	1,197.66	1/2	936.18	1/2	675.01	1/2	413.65	1/2	152.19	1/2		1/2		1/2		1/2		1/2	
3/4	1,192.21	3/4	930.73	3/4	669.58	3/4	408.21	3/4	146.74	3/4		3/4		3/4		3/4		3/4	
7	1,186.77	7	925.29	7	664.14	7	402.76	7	141.30	7		7		7		7		7	
1/4	1,181.32	1/4	919.84	1/4	658.70	1/4	397.31	1/4	135.86	1/4		1/4		1/4		1/4		1/4	
1/2	1,175.87	1/2	914.39	1/2	653.27	1/2	391.86	1/2	130.41	1/2		1/2		1/2		1/2		1/2	
3/4	1,170.42	3/4	908.94	3/4	647.83	3/4	386.42	3/4	124.98	3/4		3/4		3/4		3/4		3/4	
8	1,164.98	8	903.50	8	642.39	8	380.97	8	119.54	8		8		8		8		8	
1/4	1,159.53	1/4	898.05	1/4	636.96	1/4	375.52	1/4	114.10	1/4		1/4		1/4		1/4		1/4	
1/2	1,154.08	1/2	892.60	1/2	631.52	1/2	370.07	1/2	108.67	1/2		1/2		1/2		1/2		1/2	
3/4	1,148.63	3/4	887.15	3/4	626.08	3/4	364.63	3/4	103.25	3/4		3/4		3/4		3/4		3/4	
9	1,143.19	9	881.71	9	620.64	9	359.18	9	97.82	9		9		9		9		9	
1/4	1,137.74	1/4	876.26	1/4	615.20	1/4	353.73	1/4	92.40	1/4		1/4		1/4		1/4		1/4	
1/2	1,132.29	1/2	870.81	1/2	609.76	1/2	348.28	1/2	86.98	1/2		1/2		1/2		1/2		1/2	
3/4	1,126.84	3/4	865.36	3/4	604.31	3/4	342.84	3/4	81.58	3/4		3/4		3/4		3/4		3/4	
10	1,121.40	10	859.92	10	598.86	10	337.39	10	76.18	10		10		10		10		10	
1/4	1,115.95	1/4	854.47	1/4	593.41	1/4	331.94	1/4	70.78	1/4		1/4		1/4		1/4		1/4	
1/2	1,110.50	1/2	849.02	1/2	587.97	1/2	326.50	1/2	65.39	1/2		1/2		1/2		1/2		1/2	
3/4	1,105.05	3/4	843.58	3/4	582.52	3/4	321.05	3/4	60.03	3/4		3/4		3/4		3/4		3/4	
11	1,099.61	11	838.13	11	577.07	11	315.60	11	54.67	11		11		11		11		11	
1/4	1,094.16	1/4	832.69	1/4	571.62	1/4	310.15	1/4	49.31	1/4		1/4		1/4		1/4		1/4	
1/2	1,088.71	1/2	827.25	1/2	566.18	1/2	304.71	1/2	43.95	1/2		1/2		1/2		1/2		1/2	
3/4	1,083.26	3/4	821.81	3/4	560.73	3/4	299.26	3/4	39.01	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/26/2017 CL
CALCULATED: 06/27/2017 CL
PRINTED: 06/27/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2017

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