



BARGE "IB 1097"

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"

November 17, 2017

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

<http://www.pmacorp.net>



BARGE "IB 1097"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-02 3/4"

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	3,750.58	0	3,496.71	0	3,242.84	0	2,988.97	0	2,710.99	0	2,414.19	0	2,117.39	0	2,117.39	0	1,820.58
1/4	1/4	1/4	3,745.29	1/4	3,491.42	1/4	3,237.55	1/4	2,983.68	1/4	2,704.81	1/4	2,408.00	1/4	2,111.21	1/4	2,111.21	1/4	1,814.40
1/2	1/2	1/2	3,740.00	1/2	3,486.13	1/2	3,232.26	1/2	2,978.39	1/2	2,698.62	1/2	2,401.82	1/2	2,105.02	1/2	2,105.02	1/2	1,808.21
3/4	3/4	3/4	3,968.19	3/4	3,734.72	3/4	3,480.84	3/4	3,226.97	3/4	2,973.10	3/4	2,692.44	3/4	2,395.64	3/4	2,098.84	3/4	1,802.03
1	1	1	3,966.06	1	3,729.43	1	3,475.55	1	3,221.68	1	2,967.81	1	2,686.26	1	2,389.45	1	2,092.66	1	1,795.85
1/4	1/4	1/4	3,963.94	1/4	3,724.14	1/4	3,470.27	1/4	3,216.39	1/4	2,962.52	1/4	2,680.07	1/4	2,383.27	1/4	2,086.47	1/4	1,789.66
1/2	1/2	1/2	3,961.81	1/2	3,718.85	1/2	3,464.98	1/2	3,211.10	1/2	2,957.23	1/2	2,673.89	1/2	2,377.09	1/2	2,080.29	1/2	1,783.48
3/4	3/4	3/4	3,959.68	3/4	3,713.56	3/4	3,459.69	3/4	3,205.82	3/4	2,951.94	3/4	2,667.70	3/4	2,370.91	3/4	2,074.10	3/4	1,777.30
2	2	2	3,955.98	2	3,708.27	2	3,454.40	2	3,200.53	2	2,946.65	2	2,661.52	2	2,364.72	2	2,067.92	2	1,771.11
1/4	1/4	1/4	3,952.29	1/4	3,702.98	1/4	3,449.11	1/4	3,195.24	1/4	2,941.37	1/4	2,655.34	1/4	2,358.54	1/4	2,061.74	1/4	1,764.93
1/2	1/2	1/2	3,948.59	1/2	3,697.69	1/2	3,443.82	1/2	3,189.95	1/2	2,936.08	1/2	2,649.15	1/2	2,352.36	1/2	2,055.55	1/2	1,758.75
3/4	3/4	3/4	3,944.89	3/4	3,692.40	3/4	3,438.53	3/4	3,184.66	3/4	2,930.79	3/4	2,642.97	3/4	2,346.17	3/4	2,049.37	3/4	1,752.56
3	3	3	3,939.92	3	3,687.11	3	3,433.24	3	3,179.37	3	2,925.50	3	2,636.79	3	2,339.99	3	2,043.19	3	1,746.38
1/4	1/4	1/4	3,934.95	1/4	3,681.83	1/4	3,427.95	1/4	3,174.08	1/4	2,920.21	1/4	2,630.60	1/4	2,333.81	1/4	2,037.00	1/4	1,740.20
1/2	1/2	1/2	3,929.98	1/2	3,676.54	1/2	3,422.66	1/2	3,168.79	1/2	2,914.92	1/2	2,624.42	1/2	2,327.63	1/2	2,030.82	1/2	1,734.01
3/4	3/4	3/4	3,925.01	3/4	3,671.25	3/4	3,417.38	3/4	3,163.50	3/4	2,909.63	3/4	2,618.24	3/4	2,321.44	3/4	2,024.64	3/4	1,727.83
4	4	4	3,919.75	4	3,665.96	4	3,412.09	4	3,158.21	4	2,904.35	4	2,612.05	4	2,315.26	4	2,018.45	4	1,721.65
1/4	1/4	1/4	3,914.48	1/4	3,660.67	1/4	3,406.80	1/4	3,152.93	1/4	2,899.07	1/4	2,605.87	1/4	2,309.08	1/4	2,012.27	1/4	1,715.46
1/2	1/2	1/2	3,909.22	1/2	3,655.38	1/2	3,401.51	1/2	3,147.64	1/2	2,893.78	1/2	2,599.69	1/2	2,302.89	1/2	2,006.09	1/2	1,709.28
3/4	3/4	3/4	3,903.95	3/4	3,650.09	3/4	3,396.22	3/4	3,142.35	3/4	2,888.50	3/4	2,593.50	3/4	2,296.71	3/4	1,999.90	3/4	1,703.09
5	5	5	3,898.67	5	3,644.80	5	3,390.93	5	3,137.06	5	2,882.77	5	2,587.32	5	2,290.53	5	1,993.72	5	1,696.92
1/4	1/4	1/4	3,893.38	1/4	3,639.51	1/4	3,385.64	1/4	3,131.77	1/4	2,877.04	1/4	2,581.14	1/4	2,284.34	1/4	1,987.54	1/4	1,690.74
1/2	1/2	1/2	3,888.10	1/2	3,634.22	1/2	3,380.35	1/2	3,126.48	1/2	2,871.31	1/2	2,574.95	1/2	2,278.16	1/2	1,981.35	1/2	1,684.56
3/4	3/4	3/4	3,882.81	3/4	3,628.94	3/4	3,375.06	3/4	3,121.19	3/4	2,865.58	3/4	2,568.77	3/4	2,271.98	3/4	1,975.17	3/4	1,678.39
6	6	6	3,877.52	6	3,623.65	6	3,369.77	6	3,115.90	6	2,859.39	6	2,562.59	6	2,265.79	6	1,968.99	6	1,672.22
1/4	1/4	1/4	3,872.23	1/4	3,618.36	1/4	3,364.49	1/4	3,110.61	1/4	2,853.21	1/4	2,556.40	1/4	2,259.61	1/4	1,962.80	1/4	1,666.05
1/2	1/2	1/2	3,866.94	1/2	3,613.07	1/2	3,359.20	1/2	3,105.32	1/2	2,847.03	1/2	2,550.22	1/2	2,253.43	1/2	1,956.62	1/2	1,659.88
3/4	3/4	3/4	3,861.65	3/4	3,607.78	3/4	3,353.91	3/4	3,100.04	3/4	2,840.84	3/4	2,544.03	3/4	2,247.24	3/4	1,950.43	3/4	1,653.71
7	7	7	3,856.36	7	3,602.49	7	3,348.62	7	3,094.75	7	2,834.66	7	2,537.85	7	2,241.06	7	1,944.25	7	1,647.54
1/4	1/4	1/4	3,851.07	1/4	3,597.20	1/4	3,343.33	1/4	3,089.46	1/4	2,828.48	1/4	2,531.67	1/4	2,234.88	1/4	1,938.07	1/4	1,641.37
1/2	1/2	1/2	3,845.78	1/2	3,591.91	1/2	3,338.04	1/2	3,084.17	1/2	2,822.29	1/2	2,525.48	1/2	2,228.69	1/2	1,931.88	1/2	1,635.20
3/4	3/4	3/4	3,840.50	3/4	3,586.62	3/4	3,332.75	3/4	3,078.88	3/4	2,816.11	3/4	2,519.30	3/4	2,222.51	3/4	1,925.70	3/4	1,629.03
8	8	8	3,835.21	8	3,581.33	8	3,327.46	8	3,073.59	8	2,809.93	8	2,513.12	8	2,216.33	8	1,919.52	8	1,622.87
1/4	1/4	1/4	3,829.92	1/4	3,576.05	1/4	3,322.17	1/4	3,068.30	1/4	2,803.74	1/4	2,506.93	1/4	2,210.14	1/4	1,913.33	1/4	1,616.70
1/2	1/2	1/2	3,824.63	1/2	3,570.76	1/2	3,316.88	1/2	3,063.01	1/2	2,797.56	1/2	2,500.75	1/2	2,203.96	1/2	1,907.15	1/2	1,610.53
3/4	3/4	3/4	3,819.34	3/4	3,565.47	3/4	3,311.60	3/4	3,057.72	3/4	2,791.37	3/4	2,494.57	3/4	2,197.77	3/4	1,900.97	3/4	1,604.36
9	9	9	3,814.05	9	3,560.18	9	3,306.31	9	3,052.43	9	2,785.19	9	2,488.38	9	2,191.59	9	1,894.78	9	1,598.19
1/4	1/4	1/4	3,808.76	1/4	3,554.89	1/4	3,301.02	1/4	3,047.15	1/4	2,779.01	1/4	2,482.20	1/4	2,185.41	1/4	1,888.60	1/4	1,592.02
1/2	1/2	1/2	3,803.47	1/2	3,549.60	1/2	3,295.73	1/2	3,041.86	1/2	2,772.82	1/2	2,476.02	1/2	2,179.22	1/2	1,882.42	1/2	1,585.85
3/4	3/4	3/4	3,798.18	3/4	3,544.31	3/4	3,290.44	3/4	3,036.57	3/4	2,766.64	3/4	2,469.83	3/4	2,173.04	3/4	1,876.23	3/4	1,579.68
10	10	10	3,792.89	10	3,539.02	10	3,285.15	10	3,031.28	10	2,760.46	10	2,463.65	10	2,166.86	10	1,870.05	10	1,573.51
1/4	1/4	1/4	3,787.61	1/4	3,533.73	1/4	3,279.86	1/4	3,025.99	1/4	2,754.27	1/4	2,457.47	1/4	2,160.67	1/4	1,863.87	1/4	1,567.34
1/2	1/2	1/2	3,782.32	1/2	3,528.44	1/2	3,274.57	1/2	3,020.70	1/2	2,748.09	1/2	2,451.28	1/2	2,154.49	1/2	1,857.68	1/2	1,561.17
3/4	3/4	3/4	3,777.03	3/4	3,523.16	3/4	3,269.28	3/4	3,015.41	3/4	2,741.91	3/4	2,445.10	3/4	2,148.31	3/4	1,851.50	3/4	1,555.00
11	11	11	3,771.74	11	3,517.87	11	3,263.99	11	3,010.12	11	2,735.72	11	2,438.92	11	2,142.12	11	1,845.32	11	1,548.83
1/4	1/4	1/4	3,766.45	1/4	3,512.58	1/4	3,258.71	1/4	3,004.83	1/4	2,729.54	1/4	2,432.73	1/4	2,135.94	1/4	1,839.13	1/4	1,542.67
1/2	1/2	1/2	3,761.16	1/2	3,507.29	1/2	3,253.42	1/2	2,999.54	1/2	2,723.36	1/2	2,426.55	1/2	2,129.76	1/2	1,832.95	1/2	1,536.50
3/4	3/4	3/4	3,755.87	3/4	3,502.00	3/4	3,248.13	3/4	2,994.26	3/4	2,717.17	3/4	2,420.37	3/4	2,123.57	3/4	1,826.76	3/4	1,530.33

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
<http://www.pmacorp.net>



BARGE "IB 1097"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-02 3/4"

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	1,524.16	0	1,227.64	0	931.42	0	640.22	0	343.40	0	47.70	0		0		0		0	
1/4	1,517.99	1/4	1,221.46	1/4	925.39	1/4	634.03	1/4	337.22	1/4	42.09	1/4		1/4		1/4		1/4	
1/2	1,511.82	1/2	1,215.28	1/2	919.36	1/2	627.85	1/2	331.03	1/2	36.48	1/2		1/2		1/2		1/2	
3/4	1,505.65	3/4	1,209.10	3/4	913.33	3/4	621.67	3/4	324.85	3/4	30.87	3/4		3/4		3/4		3/4	
1	1,499.48	1	1,202.92	1	907.29	1	615.48	1	318.66	1	26.74	1		1		1		1	
1/4	1,493.31	1/4	1,196.74	1/4	901.26	1/4	609.30	1/4	312.48	1/4	22.61	1/4		1/4		1/4		1/4	
1/2	1,487.14	1/2	1,190.56	1/2	895.23	1/2	603.12	1/2	306.30	1/2	18.49	1/2		1/2		1/2		1/2	
3/4	1,480.97	3/4	1,184.38	3/4	889.20	3/4	596.93	3/4	300.11	3/4	14.36	3/4		3/4		3/4		3/4	
2	1,474.80	2	1,178.20	2	883.16	2	590.75	2	293.93	2	12.30	2		2		2		2	
1/4	1,468.64	1/4	1,172.02	1/4	877.13	1/4	584.56	1/4	287.74	1/4	10.23	1/4		1/4		1/4		1/4	
1/2	1,462.47	1/2	1,165.84	1/2	871.10	1/2	578.38	1/2	281.56	1/2	8.17	1/2		1/2		1/2		1/2	
3/4	1,456.30	3/4	1,159.66	3/4	865.07	3/4	572.20	3/4	275.38	3/4	6.10	3/4		3/4		3/4		3/4	
3	1,450.12	3	1,153.48	3	859.04	3	566.01	3	269.19	3		3		3		3		3	
1/4	1,443.95	1/4	1,147.30	1/4	853.00	1/4	559.83	1/4	263.01	1/4		1/4		1/4		1/4		1/4	
1/2	1,437.77	1/2	1,141.12	1/2	846.97	1/2	553.65	1/2	256.82	1/2		1/2		1/2		1/2		1/2	
3/4	1,431.60	3/4	1,134.94	3/4	840.94	3/4	547.46	3/4	250.64	3/4		3/4		3/4		3/4		3/4	
4	1,425.42	4	1,128.76	4	834.91	4	541.28	4	244.45	4		4		4		4		4	
1/4	1,419.24	1/4	1,122.58	1/4	828.88	1/4	535.10	1/4	238.27	1/4		1/4		1/4		1/4		1/4	
1/2	1,413.06	1/2	1,116.40	1/2	822.85	1/2	528.91	1/2	232.08	1/2		1/2		1/2		1/2		1/2	
3/4	1,406.88	3/4	1,110.21	3/4	816.81	3/4	522.73	3/4	225.89	3/4		3/4		3/4		3/4		3/4	
5	1,400.70	5	1,104.03	5	810.78	5	516.54	5	219.70	5		5		5		5		5	
1/4	1,394.52	1/4	1,097.85	1/4	804.75	1/4	510.36	1/4	213.51	1/4		1/4		1/4		1/4		1/4	
1/2	1,388.34	1/2	1,091.67	1/2	798.72	1/2	504.18	1/2	207.32	1/2		1/2		1/2		1/2		1/2	
3/4	1,382.16	3/4	1,085.49	3/4	792.69	3/4	497.99	3/4	201.13	3/4		3/4		3/4		3/4		3/4	
6	1,375.98	6	1,079.31	6	786.66	6	491.81	6	194.94	6		6		6		6		6	
1/4	1,369.80	1/4	1,073.13	1/4	780.62	1/4	485.63	1/4	188.76	1/4		1/4		1/4		1/4		1/4	
1/2	1,363.62	1/2	1,066.95	1/2	774.59	1/2	479.44	1/2	182.57	1/2		1/2		1/2		1/2		1/2	
3/4	1,357.43	3/4	1,060.77	3/4	768.56	3/4	473.26	3/4	176.38	3/4		3/4		3/4		3/4		3/4	
7	1,351.25	7	1,054.59	7	762.53	7	467.07	7	170.20	7		7		7		7		7	
1/4	1,345.07	1/4	1,048.41	1/4	756.50	1/4	460.89	1/4	164.01	1/4		1/4		1/4		1/4		1/4	
1/2	1,338.89	1/2	1,042.23	1/2	750.46	1/2	454.71	1/2	157.83	1/2		1/2		1/2		1/2		1/2	
3/4	1,332.71	3/4	1,036.05	3/4	744.43	3/4	448.52	3/4	151.64	3/4		3/4		3/4		3/4		3/4	
8	1,326.53	8	1,029.87	8	738.40	8	442.34	8	145.46	8		8		8		8		8	
1/4	1,320.35	1/4	1,023.69	1/4	732.37	1/4	436.16	1/4	139.28	1/4		1/4		1/4		1/4		1/4	
1/2	1,314.17	1/2	1,017.51	1/2	726.34	1/2	429.97	1/2	133.10	1/2		1/2		1/2		1/2		1/2	
3/4	1,307.99	3/4	1,011.33	3/4	720.31	3/4	423.79	3/4	126.92	3/4		3/4		3/4		3/4		3/4	
9	1,301.81	9	1,005.15	9	714.20	9	417.60	9	120.75	9		9		9		9		9	
1/4	1,295.63	1/4	998.97	1/4	708.09	1/4	411.42	1/4	114.59	1/4		1/4		1/4		1/4		1/4	
1/2	1,289.45	1/2	992.79	1/2	701.98	1/2	405.24	1/2	108.42	1/2		1/2		1/2		1/2		1/2	
3/4	1,283.27	3/4	986.60	3/4	695.87	3/4	399.05	3/4	102.25	3/4		3/4		3/4		3/4		3/4	
10	1,277.09	10	980.42	10	689.69	10	392.87	10	96.11	10		10		10		10		10	
1/4	1,270.91	1/4	974.24	1/4	683.50	1/4	386.69	1/4	89.97	1/4		1/4		1/4		1/4		1/4	
1/2	1,264.73	1/2	968.06	1/2	677.32	1/2	380.50	1/2	83.83	1/2		1/2		1/2		1/2		1/2	
3/4	1,258.55	3/4	961.88	3/4	671.14	3/4	374.32	3/4	77.69	3/4		3/4		3/4		3/4		3/4	
11	1,252.37	11	955.78	11	664.95	11	368.14	11	71.60	11		11		11		11		11	
1/4	1,246.19	1/4	949.67	1/4	658.77	1/4	361.95	1/4	65.50	1/4		1/4		1/4		1/4		1/4	
1/2	1,240.01	1/2	943.56	1/2	652.59	1/2	355.77	1/2	59.41	1/2		1/2		1/2		1/2		1/2	
3/4	1,233.82	3/4	937.46	3/4	646.40	3/4	349.58	3/4	53.31	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/16/2017 SW
CALCULATED: 11/17/2017 CL
PRINTED: 11/17/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2017

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



BARGE "IB 1097"

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	3,443.08	0	3,180.27	0	2,917.45	0	2,654.64	0	2,391.82	0	2,129.01	0	1,866.20	0	1,603.38		
1/4	1/4	1/4	3,437.61	1/4	3,174.79	1/4	2,911.98	1/4	2,649.16	1/4	2,386.35	1/4	2,123.53	1/4	1,860.72	1/4	1,597.91		
1/2	1/2	1/2	3,675.32	1/2	3,432.13	1/2	3,169.32	1/2	2,906.50	1/2	2,643.69	1/2	2,380.87	1/2	2,118.06	1/2	1,855.25	1/2	1,592.43
3/4	3/4	3/4	3,673.03	3/4	3,426.66	3/4	3,163.84	3/4	2,901.03	3/4	2,638.21	3/4	2,375.40	3/4	2,112.58	3/4	1,849.77	3/4	1,586.96
1	1	1	3,670.75	1	3,421.18	1	3,158.37	1	2,895.55	1	2,632.74	1	2,369.92	1	2,107.11	1	1,844.29	1	1,581.48
1/4	1/4	1/4	3,668.47	1/4	3,415.71	1/4	3,152.89	1/4	2,890.08	1/4	2,627.26	1/4	2,364.45	1/4	2,101.63	1/4	1,838.82	1/4	1,576.00
1/2	1/2	1/2	3,666.19	1/2	3,410.23	1/2	3,147.42	1/2	2,884.60	1/2	2,621.79	1/2	2,358.97	1/2	2,096.16	1/2	1,833.34	1/2	1,570.53
3/4	3/4	3/4	3,662.12	3/4	3,404.76	3/4	3,141.94	3/4	2,879.13	3/4	2,616.31	3/4	2,353.50	3/4	2,090.68	3/4	1,827.87	3/4	1,565.05
2	2	2	3,658.05	2	3,399.28	2	3,136.47	2	2,873.65	2	2,610.84	2	2,348.02	2	2,085.21	2	1,822.39	2	1,559.58
1/4	1/4	1/4	3,653.98	1/4	3,393.80	1/4	3,130.99	1/4	2,868.18	1/4	2,605.36	1/4	2,342.55	1/4	2,079.73	1/4	1,816.92	1/4	1,554.10
1/2	1/2	1/2	3,649.92	1/2	3,388.33	1/2	3,125.51	1/2	2,862.70	1/2	2,599.89	1/2	2,337.07	1/2	2,074.26	1/2	1,811.44	1/2	1,548.63
3/4	3/4	3/4	3,644.72	3/4	3,382.85	3/4	3,120.04	3/4	2,857.22	3/4	2,594.41	3/4	2,331.60	3/4	2,068.78	3/4	1,805.97	3/4	1,543.15
3	3	3	3,639.53	3	3,377.38	3	3,114.56	3	2,851.75	3	2,588.94	3	2,326.12	3	2,063.31	3	1,800.49	3	1,537.68
1/4	1/4	1/4	3,634.34	1/4	3,371.90	1/4	3,109.09	1/4	2,846.27	1/4	2,583.46	1/4	2,320.65	1/4	2,057.83	1/4	1,795.02	1/4	1,532.20
1/2	1/2	1/2	3,629.14	1/2	3,366.43	1/2	3,103.61	1/2	2,840.80	1/2	2,577.98	1/2	2,315.17	1/2	2,052.36	1/2	1,789.54	1/2	1,526.73
3/4	3/4	3/4	3,623.69	3/4	3,360.95	3/4	3,098.14	3/4	2,835.32	3/4	2,572.51	3/4	2,309.69	3/4	2,046.88	3/4	1,784.07	3/4	1,521.25
4	4	4	3,618.23	4	3,355.48	4	3,092.66	4	2,829.85	4	2,567.03	4	2,304.22	4	2,041.41	4	1,778.59	4	1,515.78
1/4	1/4	1/4	3,612.78	1/4	3,350.00	1/4	3,087.19	1/4	2,824.37	1/4	2,561.56	1/4	2,298.74	1/4	2,035.93	1/4	1,773.12	1/4	1,510.30
1/2	1/2	1/2	3,607.32	1/2	3,344.53	1/2	3,081.71	1/2	2,818.90	1/2	2,556.08	1/2	2,293.27	1/2	2,030.45	1/2	1,767.64	1/2	1,504.83
3/4	3/4	3/4	3,601.85	3/4	3,339.05	3/4	3,076.24	3/4	2,813.42	3/4	2,550.61	3/4	2,287.79	3/4	2,024.98	3/4	1,762.16	3/4	1,499.35
5	5	5	3,596.38	5	3,333.58	5	3,070.76	5	2,807.95	5	2,545.13	5	2,282.32	5	2,019.50	5	1,756.69	5	1,493.88
1/4	1/4	1/4	3,590.91	1/4	3,328.10	1/4	3,065.29	1/4	2,802.47	1/4	2,539.66	1/4	2,276.84	1/4	2,014.03	1/4	1,751.21	1/4	1,488.40
1/2	1/2	1/2	3,585.44	1/2	3,322.63	1/2	3,059.81	1/2	2,797.00	1/2	2,534.18	1/2	2,271.37	1/2	2,008.55	1/2	1,745.74	1/2	1,482.92
3/4	3/4	3/4	3,579.97	3/4	3,317.15	3/4	3,054.34	3/4	2,791.52	3/4	2,528.71	3/4	2,265.89	3/4	2,003.08	3/4	1,740.26	3/4	1,477.45
6	6	6	3,574.49	6	3,311.67	6	3,048.86	6	2,786.05	6	2,523.23	6	2,260.42	6	1,997.60	6	1,734.79	6	1,471.97
1/4	1/4	1/4	3,569.01	1/4	3,306.20	1/4	3,043.39	1/4	2,780.57	1/4	2,517.76	1/4	2,254.94	1/4	1,992.13	1/4	1,729.31	1/4	1,466.50
1/2	1/2	1/2	3,563.54	1/2	3,300.72	1/2	3,037.91	1/2	2,775.10	1/2	2,512.28	1/2	2,249.47	1/2	1,986.65	1/2	1,723.84	1/2	1,461.02
3/4	3/4	3/4	3,558.06	3/4	3,295.25	3/4	3,032.43	3/4	2,769.62	3/4	2,506.81	3/4	2,243.99	3/4	1,981.18	3/4	1,718.36	3/4	1,455.55
7	7	7	3,552.59	7	3,289.77	7	3,026.96	7	2,764.14	7	2,501.33	7	2,238.52	7	1,975.70	7	1,712.89	7	1,450.07
1/4	1/4	1/4	3,547.11	1/4	3,284.30	1/4	3,021.48	1/4	2,758.67	1/4	2,495.86	1/4	2,233.04	1/4	1,970.23	1/4	1,707.41	1/4	1,444.60
1/2	1/2	1/2	3,541.64	1/2	3,278.82	1/2	3,016.01	1/2	2,753.19	1/2	2,490.38	1/2	2,227.57	1/2	1,964.75	1/2	1,701.94	1/2	1,439.12
3/4	3/4	3/4	3,536.16	3/4	3,273.35	3/4	3,010.53	3/4	2,747.72	3/4	2,484.90	3/4	2,222.09	3/4	1,959.28	3/4	1,696.46	3/4	1,433.65
8	8	8	3,530.69	8	3,267.87	8	3,005.06	8	2,742.24	8	2,479.43	8	2,216.61	8	1,953.80	8	1,690.99	8	1,428.17
1/4	1/4	1/4	3,525.21	1/4	3,262.40	1/4	2,999.58	1/4	2,736.77	1/4	2,473.95	1/4	2,211.14	1/4	1,948.33	1/4	1,685.51	1/4	1,422.70
1/2	1/2	1/2	3,519.74	1/2	3,256.92	1/2	2,994.11	1/2	2,731.29	1/2	2,468.48	1/2	2,205.66	1/2	1,942.85	1/2	1,680.04	1/2	1,417.22
3/4	3/4	3/4	3,514.26	3/4	3,251.45	3/4	2,988.63	3/4	2,725.82	3/4	2,463.00	3/4	2,200.19	3/4	1,937.37	3/4	1,674.56	3/4	1,411.75
9	9	9	3,508.79	9	3,245.97	9	2,983.16	9	2,720.34	9	2,457.53	9	2,194.71	9	1,931.90	9	1,669.08	9	1,406.27
1/4	1/4	1/4	3,503.31	1/4	3,240.50	1/4	2,977.68	1/4	2,714.87	1/4	2,452.05	1/4	2,189.24	1/4	1,926.42	1/4	1,663.61	1/4	1,400.80
1/2	1/2	1/2	3,497.84	1/2	3,235.02	1/2	2,972.21	1/2	2,709.39	1/2	2,446.58	1/2	2,183.76	1/2	1,920.95	1/2	1,658.13	1/2	1,395.32
3/4	3/4	3/4	3,492.36	3/4	3,229.55	3/4	2,966.73	3/4	2,703.92	3/4	2,441.10	3/4	2,178.29	3/4	1,915.47	3/4	1,652.66	3/4	1,389.84
10	10	10	3,486.88	10	3,224.07	10	2,961.26	10	2,698.44	10	2,435.63	10	2,172.81	10	1,910.00	10	1,647.18	10	1,384.37
1/4	1/4	1/4	3,481.41	1/4	3,218.59	1/4	2,955.78	1/4	2,692.97	1/4	2,430.15	1/4	2,167.34	1/4	1,904.52	1/4	1,641.71	1/4	1,378.89
1/2	1/2	1/2	3,475.93	1/2	3,213.12	1/2	2,950.31	1/2	2,687.49	1/2	2,424.68	1/2	2,161.86	1/2	1,899.05	1/2	1,636.23	1/2	1,373.42
3/4	3/4	3/4	3,470.46	3/4	3,207.64	3/4	2,944.83	3/4	2,682.02	3/4	2,419.20	3/4	2,156.39	3/4	1,893.57	3/4	1,630.76	3/4	1,367.94
11	11	11	3,464.98	11	3,202.17	11	2,939.35	11	2,676.54	11	2,413.73	11	2,150.91	11	1,888.10	11	1,625.28	11	1,362.47
1/4	1/4	1/4	3,459.51	1/4	3,196.69	1/4	2,933.88	1/4	2,671.06	1/4	2,408.25	1/4	2,145.44	1/4	1,882.62	1/4	1,619.81	1/4	1,356.99
1/2	1/2	1/2	3,454.03	1/2	3,191.22	1/2	2,928.40	1/2	2,665.59	1/2	2,402.78	1/2	2,139.96	1/2	1,877.15	1/2	1,614.33	1/2	1,351.52
3/4	3/4	3/4	3,448.56	3/4	3,185.74	3/4	2,922.93	3/4	2,660.11	3/4	2,397.30	3/4	2,134.49	3/4	1,871.67	3/4	1,608.86	3/4	1,346.04

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 1097"

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	1,340.57	0	1,077.75	0	815.53	0	558.11	0	295.31	0	34.25	0		0		0		0	
1/4	1,335.09	1/4	1,072.28	1/4	810.21	1/4	552.64	1/4	289.83	1/4	29.29	1/4		1/4		1/4		1/4	
1/2	1,329.62	1/2	1,066.80	1/2	804.88	1/2	547.16	1/2	284.36	1/2	24.33	1/2		1/2		1/2		1/2	
3/4	1,324.14	3/4	1,061.33	3/4	799.55	3/4	541.69	3/4	278.88	3/4	20.69	3/4		3/4		3/4		3/4	
1	1,318.67	1	1,055.85	1	794.23	1	536.21	1	273.41	1	17.04	1		1		1		1	
1/4	1,313.19	1/4	1,050.38	1/4	788.90	1/4	530.74	1/4	267.93	1/4	13.40	1/4		1/4		1/4		1/4	
1/2	1,307.72	1/2	1,044.90	1/2	783.57	1/2	525.26	1/2	262.46	1/2	9.75	1/2		1/2		1/2		1/2	
3/4	1,302.24	3/4	1,039.43	3/4	778.25	3/4	519.79	3/4	256.98	3/4	7.92	3/4		3/4		3/4		3/4	
2	1,296.76	2	1,033.95	2	772.92	2	514.31	2	251.51	2	6.10	2		2		2		2	
1/4	1,291.29	1/4	1,028.47	1/4	767.60	1/4	508.84	1/4	246.03	1/4	4.27	1/4		1/4		1/4		1/4	
1/2	1,285.81	1/2	1,023.00	1/2	762.27	1/2	503.36	1/2	240.56	1/2	2.45	1/2		1/2		1/2		1/2	
3/4	1,280.34	3/4	1,017.52	3/4	756.95	3/4	497.89	3/4	235.08	3/4		3/4		3/4		3/4		3/4	
3	1,274.86	3	1,012.05	3	751.62	3	492.41	3	229.61	3		3		3		3		3	
1/4	1,269.39	1/4	1,006.57	1/4	746.30	1/4	486.94	1/4	224.13	1/4		1/4		1/4		1/4		1/4	
1/2	1,263.91	1/2	1,001.10	1/2	740.97	1/2	481.46	1/2	218.66	1/2		1/2		1/2		1/2		1/2	
3/4	1,258.44	3/4	995.62	3/4	735.65	3/4	475.99	3/4	213.18	3/4		3/4		3/4		3/4		3/4	
4	1,252.96	4	990.15	4	730.32	4	470.51	4	207.71	4		4		4		4		4	
1/4	1,247.49	1/4	984.67	1/4	724.99	1/4	465.03	1/4	202.23	1/4		1/4		1/4		1/4		1/4	
1/2	1,242.01	1/2	979.20	1/2	719.67	1/2	459.56	1/2	196.76	1/2		1/2		1/2		1/2		1/2	
3/4	1,236.54	3/4	973.72	3/4	714.34	3/4	454.08	3/4	191.28	3/4		3/4		3/4		3/4		3/4	
5	1,231.06	5	968.25	5	709.02	5	448.61	5	185.81	5		5		5		5		5	
1/4	1,225.59	1/4	962.77	1/4	703.69	1/4	443.13	1/4	180.33	1/4		1/4		1/4		1/4		1/4	
1/2	1,220.11	1/2	957.30	1/2	698.37	1/2	437.66	1/2	174.86	1/2		1/2		1/2		1/2		1/2	
3/4	1,214.63	3/4	951.82	3/4	693.04	3/4	432.18	3/4	169.38	3/4		3/4		3/4		3/4		3/4	
6	1,209.16	6	946.35	6	687.72	6	426.71	6	163.91	6		6		6		6		6	
1/4	1,203.68	1/4	940.87	1/4	682.39	1/4	421.23	1/4	158.43	1/4		1/4		1/4		1/4		1/4	
1/2	1,198.21	1/2	935.39	1/2	677.07	1/2	415.76	1/2	152.96	1/2		1/2		1/2		1/2		1/2	
3/4	1,192.73	3/4	929.92	3/4	671.74	3/4	410.28	3/4	147.49	3/4		3/4		3/4		3/4		3/4	
7	1,187.26	7	924.44	7	666.42	7	404.81	7	142.01	7		7		7		7		7	
1/4	1,181.78	1/4	918.97	1/4	661.09	1/4	399.33	1/4	136.54	1/4		1/4		1/4		1/4		1/4	
1/2	1,176.31	1/2	913.49	1/2	655.76	1/2	393.86	1/2	131.07	1/2		1/2		1/2		1/2		1/2	
3/4	1,170.83	3/4	908.02	3/4	650.44	3/4	388.38	3/4	125.61	3/4		3/4		3/4		3/4		3/4	
8	1,165.36	8	902.54	8	645.11	8	382.91	8	120.14	8		8		8		8		8	
1/4	1,159.88	1/4	897.07	1/4	639.79	1/4	377.43	1/4	114.68	1/4		1/4		1/4		1/4		1/4	
1/2	1,154.41	1/2	891.59	1/2	634.46	1/2	371.96	1/2	109.22	1/2		1/2		1/2		1/2		1/2	
3/4	1,148.93	3/4	886.12	3/4	629.06	3/4	366.48	3/4	103.77	3/4		3/4		3/4		3/4		3/4	
9	1,143.46	9	880.64	9	623.66	9	361.01	9	98.32	9		9		9		9		9	
1/4	1,137.98	1/4	875.17	1/4	618.26	1/4	355.53	1/4	92.87	1/4		1/4		1/4		1/4		1/4	
1/2	1,132.51	1/2	869.69	1/2	612.86	1/2	350.06	1/2	87.42	1/2		1/2		1/2		1/2		1/2	
3/4	1,127.03	3/4	864.22	3/4	607.39	3/4	344.58	3/4	81.99	3/4		3/4		3/4		3/4		3/4	
10	1,121.55	10	858.74	10	601.91	10	339.11	10	76.57	10		10		10		10		10	
1/4	1,116.08	1/4	853.27	1/4	596.44	1/4	333.63	1/4	71.14	1/4		1/4		1/4		1/4		1/4	
1/2	1,110.60	1/2	847.79	1/2	590.96	1/2	328.16	1/2	65.71	1/2		1/2		1/2		1/2		1/2	
3/4	1,105.13	3/4	842.39	3/4	585.49	3/4	322.68	3/4	60.33	3/4		3/4		3/4		3/4		3/4	
11	1,099.65	11	836.99	11	580.01	11	317.21	11	54.94	11		11		11		11		11	
1/4	1,094.18	1/4	831.59	1/4	574.54	1/4	311.73	1/4	49.55	1/4		1/4		1/4		1/4		1/4	
1/2	1,088.70	1/2	826.19	1/2	569.06	1/2	306.26	1/2	44.17	1/2		1/2		1/2		1/2		1/2	
3/4	1,083.23	3/4	820.86	3/4	563.59	3/4	300.78	3/4	39.21	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/16/2017 SW
CALCULATED: 11/17/2017 CL
PRINTED: 11/17/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2017

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



BARGE "IB 1097"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-03 1/4"

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	3,437.73	0	3,176.99	0	2,916.25	0	2,655.51	0	2,394.77	0	2,134.03	0	1,873.28	0	1,612.54		
1/4	1/4	1/4	3,432.30	1/4	3,171.56	1/4	2,910.82	1/4	2,650.07	1/4	2,389.33	1/4	2,128.59	1/4	1,867.85	1/4	1,607.11		
1/2	1/2	1/2	3,426.86	1/2	3,166.12	1/2	2,905.38	1/2	2,644.64	1/2	2,383.90	1/2	2,123.16	1/2	1,862.42	1/2	1,601.68		
3/4	3/4	3/4	3,421.43	3/4	3,160.69	3/4	2,899.95	3/4	2,639.21	3/4	2,378.47	3/4	2,117.73	3/4	1,856.99	3/4	1,596.25		
1	1	1	3,416.00	1	3,155.26	1	2,894.52	1	2,633.78	1	2,373.04	1	2,112.30	1	1,851.56	1	1,590.82		
1/4	1/4	1/4	3,651.81	1/4	3,410.57	1/4	2,889.09	1/4	2,628.35	1/4	2,367.61	1/4	2,106.86	1/4	1,846.12	1/4	1,585.38		
1/2	1/2	1/2	3,649.55	1/2	3,405.14	1/2	3,144.40	1/2	2,883.65	1/2	2,622.91	1/2	2,362.17	1/2	2,101.43	1/2	1,840.69	1/2	1,579.95
3/4	3/4	3/4	3,647.29	3/4	3,399.70	3/4	3,138.96	3/4	2,878.22	3/4	2,617.48	3/4	2,356.74	3/4	2,096.00	3/4	1,835.26	3/4	1,574.52
2	2	2	3,645.02	2	3,394.27	2	3,133.53	2	2,872.79	2	2,612.05	2	2,351.31	2	2,090.57	2	1,829.83	2	1,569.09
1/4	1/4	1/4	3,642.76	1/4	3,388.84	1/4	3,128.10	1/4	2,867.36	1/4	2,606.62	1/4	2,345.88	1/4	2,085.14	1/4	1,824.40	1/4	1,563.65
1/2	1/2	1/2	3,638.72	1/2	3,383.41	1/2	3,122.67	1/2	2,861.93	1/2	2,601.19	1/2	2,340.44	1/2	2,079.70	1/2	1,818.96	1/2	1,558.22
3/4	3/4	3/4	3,634.69	3/4	3,377.98	3/4	3,117.24	3/4	2,856.49	3/4	2,595.75	3/4	2,335.01	3/4	2,074.27	3/4	1,813.53	3/4	1,552.79
3	3	3	3,630.65	3	3,372.54	3	3,111.80	3	2,851.06	3	2,590.32	3	2,329.58	3	2,068.84	3	1,808.10	3	1,547.36
1/4	1/4	1/4	3,626.61	1/4	3,367.11	1/4	3,106.37	1/4	2,845.63	1/4	2,584.89	1/4	2,324.15	1/4	2,063.41	1/4	1,802.67	1/4	1,541.93
1/2	1/2	1/2	3,621.46	1/2	3,361.68	1/2	3,100.94	1/2	2,840.20	1/2	2,579.46	1/2	2,318.72	1/2	2,057.98	1/2	1,797.23	1/2	1,536.49
3/4	3/4	3/4	3,616.31	3/4	3,356.25	3/4	3,095.51	3/4	2,834.77	3/4	2,574.03	3/4	2,313.28	3/4	2,052.54	3/4	1,791.80	3/4	1,531.06
4	4	4	3,611.16	4	3,350.82	4	3,090.07	4	2,829.33	4	2,568.59	4	2,307.85	4	2,047.11	4	1,786.37	4	1,525.63
1/4	1/4	1/4	3,606.01	1/4	3,345.38	1/4	3,084.64	1/4	2,823.90	1/4	2,563.16	1/4	2,302.42	1/4	2,041.68	1/4	1,780.94	1/4	1,520.20
1/2	1/2	1/2	3,600.59	1/2	3,339.95	1/2	3,079.21	1/2	2,818.47	1/2	2,557.73	1/2	2,296.99	1/2	2,036.25	1/2	1,775.51	1/2	1,514.77
3/4	3/4	3/4	3,595.18	3/4	3,334.52	3/4	3,073.78	3/4	2,813.04	3/4	2,552.30	3/4	2,291.56	3/4	2,030.82	3/4	1,770.07	3/4	1,509.33
5	5	5	3,589.77	5	3,329.09	5	3,068.35	5	2,807.61	5	2,546.86	5	2,286.12	5	2,025.38	5	1,764.64	5	1,503.90
1/4	1/4	1/4	3,584.36	1/4	3,323.65	1/4	3,062.91	1/4	2,802.17	1/4	2,541.43	1/4	2,280.69	1/4	2,019.95	1/4	1,759.21	1/4	1,498.47
1/2	1/2	1/2	3,578.93	1/2	3,318.22	1/2	3,057.48	1/2	2,796.74	1/2	2,536.00	1/2	2,275.26	1/2	2,014.52	1/2	1,753.78	1/2	1,493.04
3/4	3/4	3/4	3,573.50	3/4	3,312.79	3/4	3,052.05	3/4	2,791.31	3/4	2,530.57	3/4	2,269.83	3/4	2,009.09	3/4	1,748.35	3/4	1,487.61
6	6	6	3,568.08	6	3,307.36	6	3,046.62	6	2,785.88	6	2,525.14	6	2,264.40	6	2,003.65	6	1,742.91	6	1,482.17
1/4	1/4	1/4	3,562.65	1/4	3,301.93	1/4	3,041.19	1/4	2,780.44	1/4	2,519.70	1/4	2,258.96	1/4	1,998.22	1/4	1,737.48	1/4	1,476.74
1/2	1/2	1/2	3,557.22	1/2	3,296.49	1/2	3,035.75	1/2	2,775.01	1/2	2,514.27	1/2	2,253.53	1/2	1,992.79	1/2	1,732.05	1/2	1,471.31
3/4	3/4	3/4	3,551.79	3/4	3,291.06	3/4	3,030.32	3/4	2,769.58	3/4	2,508.84	3/4	2,248.10	3/4	1,987.36	3/4	1,726.62	3/4	1,465.88
7	7	7	3,546.37	7	3,285.63	7	3,024.89	7	2,764.15	7	2,503.41	7	2,242.67	7	1,981.93	7	1,721.19	7	1,460.44
1/4	1/4	1/4	3,540.94	1/4	3,280.20	1/4	3,019.46	1/4	2,758.72	1/4	2,497.98	1/4	2,237.23	1/4	1,976.49	1/4	1,715.75	1/4	1,455.01
1/2	1/2	1/2	3,535.51	1/2	3,274.77	1/2	3,014.03	1/2	2,753.28	1/2	2,492.54	1/2	2,231.80	1/2	1,971.06	1/2	1,710.32	1/2	1,449.58
3/4	3/4	3/4	3,530.07	3/4	3,269.33	3/4	3,008.59	3/4	2,747.85	3/4	2,487.11	3/4	2,226.37	3/4	1,965.63	3/4	1,704.89	3/4	1,444.15
8	8	8	3,524.64	8	3,263.90	8	3,003.16	8	2,742.42	8	2,481.68	8	2,220.94	8	1,960.20	8	1,699.46	8	1,438.72
1/4	1/4	1/4	3,519.21	1/4	3,258.47	1/4	2,997.73	1/4	2,736.99	1/4	2,476.25	1/4	2,215.51	1/4	1,954.77	1/4	1,694.02	1/4	1,433.28
1/2	1/2	1/2	3,513.78	1/2	3,253.04	1/2	2,992.30	1/2	2,731.56	1/2	2,470.82	1/2	2,210.07	1/2	1,949.33	1/2	1,688.59	1/2	1,427.85
3/4	3/4	3/4	3,508.35	3/4	3,247.61	3/4	2,986.86	3/4	2,726.12	3/4	2,465.38	3/4	2,204.64	3/4	1,943.90	3/4	1,683.16	3/4	1,422.42
9	9	9	3,502.91	9	3,242.17	9	2,981.43	9	2,720.69	9	2,459.95	9	2,199.21	9	1,938.47	9	1,677.73	9	1,416.99
1/4	1/4	1/4	3,497.48	1/4	3,236.74	1/4	2,976.00	1/4	2,715.26	1/4	2,454.52	1/4	2,193.78	1/4	1,933.04	1/4	1,672.30	1/4	1,411.56
1/2	1/2	1/2	3,492.05	1/2	3,231.31	1/2	2,970.57	1/2	2,709.83	1/2	2,449.09	1/2	2,188.35	1/2	1,927.61	1/2	1,666.86	1/2	1,406.12
3/4	3/4	3/4	3,486.62	3/4	3,225.88	3/4	2,965.14	3/4	2,704.40	3/4	2,443.65	3/4	2,182.91	3/4	1,922.17	3/4	1,661.43	3/4	1,400.69
10	10	10	3,481.19	10	3,220.45	10	2,959.70	10	2,698.96	10	2,438.22	10	2,177.48	10	1,916.74	10	1,656.00	10	1,395.26
1/4	1/4	1/4	3,475.75	1/4	3,215.01	1/4	2,954.27	1/4	2,693.53	1/4	2,432.79	1/4	2,172.05	1/4	1,911.31	1/4	1,650.57	1/4	1,389.83
1/2	1/2	1/2	3,470.32	1/2	3,209.58	1/2	2,948.84	1/2	2,688.10	1/2	2,427.36	1/2	2,166.62	1/2	1,905.88	1/2	1,645.14	1/2	1,384.40
3/4	3/4	3/4	3,464.89	3/4	3,204.15	3/4	2,943.41	3/4	2,682.67	3/4	2,421.93	3/4	2,161.19	3/4	1,900.44	3/4	1,639.70	3/4	1,378.96
11	11	11	3,459.46	11	3,198.72	11	2,937.98	11	2,677.24	11	2,416.49	11	2,155.75	11	1,895.01	11	1,634.27	11	1,373.53
1/4	1/4	1/4	3,454.03	1/4	3,193.28	1/4	2,932.54	1/4	2,671.80	1/4	2,411.06	1/4	2,150.32	1/4	1,889.58	1/4	1,628.84	1/4	1,368.10
1/2	1/2	1/2	3,448.59	1/2	3,187.85	1/2	2,927.11	1/2	2,666.37	1/2	2,405.63	1/2	2,144.89	1/2	1,884.15	1/2	1,623.41	1/2	1,362.67
3/4	3/4	3/4	3,443.16	3/4	3,182.42	3/4	2,921.68	3/4	2,660.94	3/4	2,400.20	3/4	2,139.46	3/4	1,878.72	3/4	1,617.98	3/4	1,357.23

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 1097"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-03 1/4"

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	1,351.80	0	1,091.06	0	830.34	0	570.00	0	309.27	0	49.17	0		0		0		0	
1/4	1,346.37	1/4	1,085.63	1/4	824.91	1/4	564.57	1/4	303.84	1/4	43.82	1/4		1/4		1/4		1/4	
1/2	1,340.94	1/2	1,080.20	1/2	819.49	1/2	559.14	1/2	298.41	1/2	38.90	1/2		1/2		1/2		1/2	
3/4	1,335.51	3/4	1,074.77	3/4	814.06	3/4	553.71	3/4	292.98	3/4	33.99	3/4		3/4		3/4		3/4	
1	1,330.07	1	1,069.33	1	808.64	1	548.27	1	287.55	1	29.07	1		1		1		1	
1/4	1,324.64	1/4	1,063.90	1/4	803.22	1/4	542.84	1/4	282.12	1/4	24.15	1/4		1/4		1/4		1/4	
1/2	1,319.21	1/2	1,058.47	1/2	797.80	1/2	537.41	1/2	276.68	1/2	20.53	1/2		1/2		1/2		1/2	
3/4	1,313.78	3/4	1,053.04	3/4	792.37	3/4	531.98	3/4	271.25	3/4	16.91	3/4		3/4		3/4		3/4	
2	1,308.35	2	1,047.61	2	786.95	2	526.55	2	265.82	2	13.30	2		2		2		2	
1/4	1,302.91	1/4	1,042.17	1/4	781.53	1/4	521.11	1/4	260.39	1/4	9.68	1/4		1/4		1/4		1/4	
1/2	1,297.48	1/2	1,036.74	1/2	776.11	1/2	515.68	1/2	254.96	1/2	7.87	1/2		1/2		1/2		1/2	
3/4	1,292.05	3/4	1,031.31	3/4	770.69	3/4	510.25	3/4	249.52	3/4	6.06	3/4		3/4		3/4		3/4	
3	1,286.62	3	1,025.88	3	765.27	3	504.82	3	244.09	3	4.25	3		3		3		3	
1/4	1,281.19	1/4	1,020.44	1/4	759.84	1/4	499.39	1/4	238.66	1/4	2.44	1/4		1/4		1/4		1/4	
1/2	1,275.75	1/2	1,015.01	1/2	754.42	1/2	493.96	1/2	233.23	1/2		1/2		1/2		1/2		1/2	
3/4	1,270.32	3/4	1,009.58	3/4	749.00	3/4	488.52	3/4	227.80	3/4		3/4		3/4		3/4		3/4	
4	1,264.89	4	1,004.15	4	743.58	4	483.09	4	222.37	4		4		4		4		4	
1/4	1,259.46	1/4	998.72	1/4	738.16	1/4	477.66	1/4	216.93	1/4		1/4		1/4		1/4		1/4	
1/2	1,254.02	1/2	993.28	1/2	732.74	1/2	472.23	1/2	211.50	1/2		1/2		1/2		1/2		1/2	
3/4	1,248.59	3/4	987.85	3/4	727.32	3/4	466.80	3/4	206.07	3/4		3/4		3/4		3/4		3/4	
5	1,243.16	5	982.42	5	721.90	5	461.37	5	200.64	5		5		5		5		5	
1/4	1,237.73	1/4	976.99	1/4	716.47	1/4	455.93	1/4	195.21	1/4		1/4		1/4		1/4		1/4	
1/2	1,232.30	1/2	971.56	1/2	711.05	1/2	450.50	1/2	189.78	1/2		1/2		1/2		1/2		1/2	
3/4	1,226.86	3/4	966.12	3/4	705.63	3/4	445.07	3/4	184.34	3/4		3/4		3/4		3/4		3/4	
6	1,221.43	6	960.69	6	700.21	6	439.64	6	178.91	6		6		6		6		6	
1/4	1,216.00	1/4	955.26	1/4	694.79	1/4	434.21	1/4	173.48	1/4		1/4		1/4		1/4		1/4	
1/2	1,210.57	1/2	949.83	1/2	689.37	1/2	428.77	1/2	168.05	1/2		1/2		1/2		1/2		1/2	
3/4	1,205.14	3/4	944.40	3/4	683.95	3/4	423.34	3/4	162.62	3/4		3/4		3/4		3/4		3/4	
7	1,199.70	7	938.96	7	678.53	7	417.91	7	157.19	7		7		7		7		7	
1/4	1,194.27	1/4	933.53	1/4	673.10	1/4	412.48	1/4	151.76	1/4		1/4		1/4		1/4		1/4	
1/2	1,188.84	1/2	928.10	1/2	667.68	1/2	407.05	1/2	146.33	1/2		1/2		1/2		1/2		1/2	
3/4	1,183.41	3/4	922.67	3/4	662.26	3/4	401.62	3/4	140.90	3/4		3/4		3/4		3/4		3/4	
8	1,177.98	8	917.23	8	656.84	8	396.18	8	135.47	8		8		8		8		8	
1/4	1,172.54	1/4	911.80	1/4	651.42	1/4	390.75	1/4	130.04	1/4		1/4		1/4		1/4		1/4	
1/2	1,167.11	1/2	906.37	1/2	646.00	1/2	385.32	1/2	124.62	1/2		1/2		1/2		1/2		1/2	
3/4	1,161.68	3/4	900.94	3/4	640.58	3/4	379.89	3/4	119.20	3/4		3/4		3/4		3/4		3/4	
9	1,156.25	9	895.51	9	635.16	9	374.46	9	113.78	9		9		9		9		9	
1/4	1,150.81	1/4	890.07	1/4	629.73	1/4	369.02	1/4	108.36	1/4		1/4		1/4		1/4		1/4	
1/2	1,145.38	1/2	884.64	1/2	624.31	1/2	363.59	1/2	102.95	1/2		1/2		1/2		1/2		1/2	
3/4	1,139.95	3/4	879.21	3/4	618.88	3/4	358.16	3/4	97.55	3/4		3/4		3/4		3/4		3/4	
10	1,134.52	10	873.78	10	613.45	10	352.73	10	92.14	10		10		10		10		10	
1/4	1,129.09	1/4	868.35	1/4	608.02	1/4	347.30	1/4	86.73	1/4		1/4		1/4		1/4		1/4	
1/2	1,123.65	1/2	862.91	1/2	602.59	1/2	341.87	1/2	81.35	1/2		1/2		1/2		1/2		1/2	
3/4	1,118.22	3/4	857.48	3/4	597.16	3/4	336.43	3/4	75.97	3/4		3/4		3/4		3/4		3/4	
11	1,112.79	11	852.05	11	591.73	11	331.00	11	70.58	11		11		11		11		11	
1/4	1,107.36	1/4	846.62	1/4	586.30	1/4	325.57	1/4	65.20	1/4		1/4		1/4		1/4		1/4	
1/2	1,101.93	1/2	841.19	1/2	580.86	1/2	320.14	1/2	59.86	1/2		1/2		1/2		1/2		1/2	
3/4	1,096.49	3/4	835.76	3/4	575.43	3/4	314.71	3/4	54.51	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/16/2017 SW
CALCULATED: 11/17/2017 CL
PRINTED: 11/17/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2017

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