



# BARGE "IB 1093"

## 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'-00"

July 19, 2017

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

<http://www.pmacorp.net>



# BARGE "IB 1093"

# 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-03"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	3,765.32	0	3,510.80	0	3,256.29	0	3,001.78	0	2,724.01	0	2,426.45	0	2,128.92	0	1,831.36
1/4	1/4		1/4		3,760.01	1/4	3,505.50	1/4	3,250.99	1/4	2,996.48	1/4	2,717.81	1/4	2,420.25	1/4	2,122.72	1/4	1,825.16
1/2	1/2		1/2		3,754.71	1/2	3,500.20	1/2	3,245.69	1/2	2,991.18	1/2	2,711.61	1/2	2,414.06	1/2	2,116.52	1/2	1,818.96
3/4	3/4		3/4		3,749.41	3/4	3,494.90	3/4	3,240.39	3/4	2,985.88	3/4	2,705.41	3/4	2,407.86	3/4	2,110.32	3/4	1,812.76
1		1		1	3,978.17	1	3,744.11	1	3,489.60	1	3,235.09	1	2,980.57	1	2,699.21	1	2,401.66	1	2,104.12
1/4	1/4		1/4		3,976.04	1/4	3,738.80	1/4	3,484.29	1/4	3,229.78	1/4	2,975.27	1/4	2,693.01	1/4	2,395.46	1/4	2,097.92
1/2	1/2		1/2		3,973.90	1/2	3,733.50	1/2	3,478.99	1/2	3,224.48	1/2	2,969.97	1/2	2,686.81	1/2	2,389.26	1/2	2,091.72
3/4	3/4		3/4		3,971.77	3/4	3,728.20	3/4	3,473.69	3/4	3,219.18	3/4	2,964.67	3/4	2,680.61	3/4	2,383.06	3/4	2,085.52
2		2		2	3,969.64	2	3,722.90	2	3,468.39	2	3,213.88	2	2,959.37	2	2,674.41	2	2,376.87	2	2,079.32
1/4	1/4		1/4		3,965.93	1/4	3,717.59	1/4	3,463.08	1/4	3,208.57	1/4	2,954.06	1/4	2,668.21	1/4	2,370.67	1/4	2,073.12
1/2	1/2		1/2		3,962.22	1/2	3,712.29	1/2	3,457.78	1/2	3,203.27	1/2	2,948.76	1/2	2,662.02	1/2	2,364.47	1/2	2,066.92
3/4	3/4		3/4		3,958.52	3/4	3,706.99	3/4	3,452.48	3/4	3,197.97	3/4	2,943.46	3/4	2,655.82	3/4	2,358.27	3/4	2,060.73
3		3		3	3,954.81	3	3,701.69	3	3,447.18	3	3,192.67	3	2,938.16	3	2,649.62	3	2,352.07	3	2,054.53
1/4	1/4		1/4		3,949.83	1/4	3,696.39	1/4	3,441.87	1/4	3,187.36	1/4	2,932.85	1/4	2,643.42	1/4	2,345.87	1/4	2,048.33
1/2	1/2		1/2		3,944.84	1/2	3,691.08	1/2	3,436.57	1/2	3,182.06	1/2	2,927.55	1/2	2,637.22	1/2	2,339.68	1/2	2,042.14
3/4	3/4		3/4		3,939.86	3/4	3,685.78	3/4	3,431.27	3/4	3,176.76	3/4	2,922.25	3/4	2,631.02	3/4	2,333.48	3/4	2,035.93
4		4		4	3,934.88	4	3,680.48	4	3,425.97	4	3,171.46	4	2,916.95	4	2,624.82	4	2,327.28	4	2,029.73
1/4	1/4		1/4		3,929.60	1/4	3,675.18	1/4	3,420.67	1/4	3,166.16	1/4	2,911.65	1/4	2,618.62	1/4	2,321.08	1/4	2,023.53
1/2	1/2		1/2		3,924.32	1/2	3,669.87	1/2	3,415.36	1/2	3,160.85	1/2	2,906.36	1/2	2,612.42	1/2	2,314.88	1/2	2,017.33
3/4	3/4		3/4		3,919.04	3/4	3,664.57	3/4	3,410.06	3/4	3,155.55	3/4	2,901.06	3/4	2,606.22	3/4	2,308.68	3/4	2,011.13
5		5		5	3,913.77	5	3,659.27	5	3,404.76	5	3,150.25	5	2,895.76	5	2,600.02	5	2,302.48	5	2,004.93
1/4	1/4		1/4		3,908.47	1/4	3,653.97	1/4	3,399.46	1/4	3,144.95	1/4	2,890.02	1/4	2,593.82	1/4	2,296.29	1/4	1,998.73
1/2	1/2		1/2		3,903.17	1/2	3,648.66	1/2	3,394.15	1/2	3,139.64	1/2	2,884.27	1/2	2,587.63	1/2	2,290.09	1/2	1,992.54
3/4	3/4		3/4		3,897.87	3/4	3,643.36	3/4	3,388.85	3/4	3,134.34	3/4	2,878.53	3/4	2,581.43	3/4	2,283.89	3/4	1,986.34
6		6		6	3,892.58	6	3,638.06	6	3,383.55	6	3,129.04	6	2,872.78	6	2,575.23	6	2,277.69	6	1,980.14
1/4	1/4		1/4		3,887.27	1/4	3,632.76	1/4	3,378.25	1/4	3,123.74	1/4	2,866.59	1/4	2,569.03	1/4	2,271.49	1/4	1,973.94
1/2	1/2		1/2		3,881.97	1/2	3,627.46	1/2	3,372.95	1/2	3,118.43	1/2	2,860.39	1/2	2,562.83	1/2	2,265.29	1/2	1,967.74
3/4	3/4		3/4		3,876.67	3/4	3,622.15	3/4	3,367.64	3/4	3,113.13	3/4	2,854.19	3/4	2,556.63	3/4	2,259.10	3/4	1,961.54
7		7		7	3,871.36	7	3,616.85	7	3,362.34	7	3,107.83	7	2,847.99	7	2,550.43	7	2,252.90	7	1,955.34
1/4	1/4		1/4		3,866.06	1/4	3,611.55	1/4	3,357.04	1/4	3,102.53	1/4	2,841.79	1/4	2,544.23	1/4	2,246.70	1/4	1,949.14
1/2	1/2		1/2		3,860.76	1/2	3,606.25	1/2	3,351.74	1/2	3,097.23	1/2	2,835.59	1/2	2,538.03	1/2	2,240.50	1/2	1,942.94
3/4	3/4		3/4		3,855.45	3/4	3,600.94	3/4	3,346.43	3/4	3,091.92	3/4	2,829.39	3/4	2,531.83	3/4	2,234.30	3/4	1,936.74
8		8		8	3,850.15	8	3,595.64	8	3,341.13	8	3,086.62	8	2,823.19	8	2,525.63	8	2,228.10	8	1,930.54
1/4	1/4		1/4		3,844.85	1/4	3,590.34	1/4	3,335.83	1/4	3,081.32	1/4	2,816.99	1/4	2,519.44	1/4	2,221.90	1/4	1,924.35
1/2	1/2		1/2		3,839.55	1/2	3,585.04	1/2	3,330.53	1/2	3,076.02	1/2	2,810.79	1/2	2,513.24	1/2	2,215.70	1/2	1,918.15
3/4	3/4		3/4		3,834.25	3/4	3,579.73	3/4	3,325.22	3/4	3,070.71	3/4	2,804.59	3/4	2,507.04	3/4	2,209.50	3/4	1,911.95
9		9		9	3,828.94	9	3,574.43	9	3,319.92	9	3,065.41	9	2,798.40	9	2,500.84	9	2,203.30	9	1,905.75
1/4	1/4		1/4		3,823.64	1/4	3,569.13	1/4	3,314.62	1/4	3,060.11	1/4	2,792.20	1/4	2,494.64	1/4	2,197.11	1/4	1,899.55
1/2	1/2		1/2		3,818.34	1/2	3,563.83	1/2	3,309.32	1/2	3,054.81	1/2	2,786.00	1/2	2,488.44	1/2	2,190.91	1/2	1,893.35
3/4	3/4		3/4		3,813.04	3/4	3,558.53	3/4	3,304.02	3/4	3,049.50	3/4	2,779.80	3/4	2,482.24	3/4	2,184.71	3/4	1,887.15
10		10		10	3,807.73	10	3,553.22	10	3,298.71	10	3,044.20	10	2,773.60	10	2,476.04	10	2,178.51	10	1,880.95
1/4	1/4		1/4		3,802.43	1/4	3,547.92	1/4	3,293.41	1/4	3,038.90	1/4	2,767.40	1/4	2,469.84	1/4	2,172.31	1/4	1,874.75
1/2	1/2		1/2		3,797.13	1/2	3,542.62	1/2	3,288.11	1/2	3,033.60	1/2	2,761.20	1/2	2,463.64	1/2	2,166.11	1/2	1,868.55
3/4	3/4		3/4		3,791.83	3/4	3,537.32	3/4	3,282.81	3/4	3,028.30	3/4	2,755.00	3/4	2,457.45	3/4	2,159.91	3/4	1,862.35
11		11		11	3,786.52	11	3,532.01	11	3,277.50	11	3,022.99	11	2,748.80	11	2,451.25	11	2,153.71	11	1,856.16
1/4	1/4		1/4		3,781.22	1/4	3,526.71	1/4	3,272.20	1/4	3,017.69	1/4	2,742.60	1/4	2,445.05	1/4	2,147.51	1/4	1,849.96
1/2	1/2		1/2		3,775.92	1/2	3,521.41	1/2	3,266.90	1/2	3,012.39	1/2	2,736.40	1/2	2,438.85	1/2	2,141.31	1/2	1,843.76
3/4	3/4		3/4		3,770.62	3/4	3,516.11	3/4	3,261.60	3/4	3,007.09	3/4	2,730.21	3/4	2,432.65	3/4	2,135.11	3/4	1,837.56

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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<http://www.pmacorp.net>



# BARGE "IB 1093"

## 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	1,534.18	0	1,236.92	0	939.81	0	648.03	0	350.46	0	53.44	0		0		0		0	
1/4	1,527.99	1/4	1,230.73	1/4	933.76	1/4	641.83	1/4	344.26	1/4	47.82	1/4		1/4		1/4		1/4	
1/2	1,521.81	1/2	1,224.53	1/2	927.72	1/2	635.63	1/2	338.06	1/2	42.19	1/2		1/2		1/2		1/2	
3/4	1,515.62	3/4	1,218.34	3/4	921.67	3/4	629.43	3/4	331.86	3/4	36.57	3/4		3/4		3/4		3/4	
1	1,509.44	1	1,212.14	1	915.62	1	623.23	1	325.66	1	30.94	1		1		1		1	
1/4	1,503.25	1/4	1,205.94	1/4	909.57	1/4	617.03	1/4	319.46	1/4	26.81	1/4		1/4		1/4		1/4	
1/2	1,497.07	1/2	1,199.75	1/2	903.53	1/2	610.83	1/2	313.27	1/2	22.67	1/2		1/2		1/2		1/2	
3/4	1,490.88	3/4	1,193.55	3/4	897.48	3/4	604.63	3/4	307.07	3/4	18.53	3/4		3/4		3/4		3/4	
2	1,484.70	2	1,187.36	2	891.43	2	598.43	2	300.87	2	14.40	2		2		2		2	
1/4	1,478.51	1/4	1,181.16	1/4	885.38	1/4	592.24	1/4	294.67	1/4	12.33	1/4		1/4		1/4		1/4	
1/2	1,472.33	1/2	1,174.96	1/2	879.34	1/2	586.04	1/2	288.47	1/2	10.26	1/2		1/2		1/2		1/2	
3/4	1,466.14	3/4	1,168.77	3/4	873.29	3/4	579.84	3/4	282.27	3/4	8.19	3/4		3/4		3/4		3/4	
3	1,459.96	3	1,162.57	3	867.24	3	573.64	3	276.07	3	6.12	3		3		3		3	
1/4	1,453.77	1/4	1,156.38	1/4	861.20	1/4	567.44	1/4	269.87	1/4		1/4		1/4		1/4		1/4	
1/2	1,447.58	1/2	1,150.18	1/2	855.15	1/2	561.24	1/2	263.67	1/2		1/2		1/2		1/2		1/2	
3/4	1,441.39	3/4	1,143.98	3/4	849.10	3/4	555.04	3/4	257.47	3/4		3/4		3/4		3/4		3/4	
4	1,435.20	4	1,137.79	4	843.06	4	548.84	4	251.27	4		4		4		4		4	
1/4	1,429.00	1/4	1,131.59	1/4	837.01	1/4	542.64	1/4	245.07	1/4		1/4		1/4		1/4		1/4	
1/2	1,422.80	1/2	1,125.40	1/2	830.96	1/2	536.44	1/2	238.87	1/2		1/2		1/2		1/2		1/2	
3/4	1,416.61	3/4	1,119.20	3/4	824.91	3/4	530.24	3/4	232.66	3/4		3/4		3/4		3/4		3/4	
5	1,410.41	5	1,113.00	5	818.87	5	524.04	5	226.46	5		5		5		5		5	
1/4	1,404.22	1/4	1,106.81	1/4	812.82	1/4	517.84	1/4	220.26	1/4		1/4		1/4		1/4		1/4	
1/2	1,398.02	1/2	1,100.61	1/2	806.77	1/2	511.64	1/2	214.05	1/2		1/2		1/2		1/2		1/2	
3/4	1,391.82	3/4	1,094.42	3/4	800.73	3/4	505.44	3/4	207.84	3/4		3/4		3/4		3/4		3/4	
6	1,385.63	6	1,088.22	6	794.68	6	499.25	6	201.64	6		6		6		6		6	
1/4	1,379.43	1/4	1,082.02	1/4	788.63	1/4	493.05	1/4	195.43	1/4		1/4		1/4		1/4		1/4	
1/2	1,373.24	1/2	1,075.83	1/2	782.59	1/2	486.85	1/2	189.23	1/2		1/2		1/2		1/2		1/2	
3/4	1,367.04	3/4	1,069.63	3/4	776.54	3/4	480.65	3/4	183.03	3/4		3/4		3/4		3/4		3/4	
7	1,360.84	7	1,063.44	7	770.49	7	474.45	7	176.82	7		7		7		7		7	
1/4	1,354.65	1/4	1,057.24	1/4	764.44	1/4	468.25	1/4	170.62	1/4		1/4		1/4		1/4		1/4	
1/2	1,348.45	1/2	1,051.04	1/2	758.40	1/2	462.05	1/2	164.42	1/2		1/2		1/2		1/2		1/2	
3/4	1,342.26	3/4	1,044.85	3/4	752.35	3/4	455.85	3/4	158.22	3/4		3/4		3/4		3/4		3/4	
8	1,336.06	8	1,038.65	8	746.30	8	449.65	8	152.02	8		8		8		8		8	
1/4	1,329.86	1/4	1,032.46	1/4	740.26	1/4	443.45	1/4	145.83	1/4		1/4		1/4		1/4		1/4	
1/2	1,323.67	1/2	1,026.26	1/2	734.21	1/2	437.25	1/2	139.63	1/2		1/2		1/2		1/2		1/2	
3/4	1,317.47	3/4	1,020.06	3/4	728.16	3/4	431.05	3/4	133.43	3/4		3/4		3/4		3/4		3/4	
9	1,311.28	9	1,013.87	9	722.12	9	424.85	9	127.24	9		9		9		9		9	
1/4	1,305.08	1/4	1,007.67	1/4	715.99	1/4	418.65	1/4	121.06	1/4		1/4		1/4		1/4		1/4	
1/2	1,298.88	1/2	1,001.48	1/2	709.87	1/2	412.46	1/2	114.87	1/2		1/2		1/2		1/2		1/2	
3/4	1,292.69	3/4	995.28	3/4	703.75	3/4	406.26	3/4	108.69	3/4		3/4		3/4		3/4		3/4	
10	1,286.49	10	989.08	10	697.62	10	400.06	10	102.51	10		10		10		10		10	
1/4	1,280.30	1/4	982.89	1/4	691.42	1/4	393.86	1/4	96.35	1/4		1/4		1/4		1/4		1/4	
1/2	1,274.10	1/2	976.69	1/2	685.22	1/2	387.66	1/2	90.20	1/2		1/2		1/2		1/2		1/2	
3/4	1,267.90	3/4	970.50	3/4	679.03	3/4	381.46	3/4	84.04	3/4		3/4		3/4		3/4		3/4	
11	1,261.71	11	964.30	11	672.83	11	375.26	11	77.89	11		11		11		11		11	
1/4	1,255.51	1/4	958.18	1/4	666.63	1/4	369.06	1/4	71.78	1/4		1/4		1/4		1/4		1/4	
1/2	1,249.32	1/2	952.06	1/2	660.43	1/2	362.86	1/2	65.67	1/2		1/2		1/2		1/2		1/2	
3/4	1,243.12	3/4	945.93	3/4	654.23	3/4	356.66	3/4	59.55	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/19/2017 CL  
CALCULATED: 07/20/2017 CL  
PRINTED: 07/20/2017 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2017

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



# BARGE "IB 1093"

## 2 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	3,467.97	0	3,204.51	0	2,941.05	0	2,677.59	0	2,414.14	0	2,150.68	0	1,887.22	0	1,623.76
1/4	1/4		1/4		3,462.48	1/4	3,199.02	1/4	2,935.56	1/4	2,672.11	1/4	2,408.65	1/4	2,145.19	1/4	1,881.73	1/4	1,618.28
1/2	1/2		1/2		3,456.99	1/2	3,193.53	1/2	2,930.07	1/2	2,666.62	1/2	2,403.16	1/2	2,139.70	1/2	1,876.24	1/2	1,612.79
3/4	3/4		3/4		3,451.50	3/4	3,188.04	3/4	2,924.59	3/4	2,661.13	3/4	2,397.67	3/4	2,134.21	3/4	1,870.76	3/4	1,607.30
1		1		1	3,446.01	1	3,182.56	1	2,919.10	1	2,655.64	1	2,392.18	1	2,128.72	1	1,865.27	1	1,601.81
1/4	1/4		1/4		3,684.28	1/4	3,440.52	1/4	3,177.07	1/4	2,913.61	1/4	2,650.15	1/4	2,386.69	1/4	2,123.24	1/4	1,859.78
1/2	1/2		1/2		3,681.99	1/2	3,435.04	1/2	3,171.58	1/2	2,908.12	1/2	2,644.66	1/2	2,381.20	1/2	2,117.75	1/2	1,854.29
3/4	3/4		3/4		3,679.71	3/4	3,429.55	3/4	3,166.09	3/4	2,902.63	3/4	2,639.17	3/4	2,375.72	3/4	2,112.26	3/4	1,848.80
2		2		2	3,677.42	2	3,424.06	2	3,160.60	2	2,897.14	2	2,633.69	2	2,370.23	2	2,106.77	2	1,843.31
1/4	1/4		1/4		3,675.13	1/4	3,418.57	1/4	3,155.11	1/4	2,891.65	1/4	2,628.20	1/4	2,364.74	1/4	2,101.28	1/4	1,837.82
1/2	1/2		1/2		3,671.05	1/2	3,413.08	1/2	3,149.62	1/2	2,886.17	1/2	2,622.71	1/2	2,359.25	1/2	2,095.79	1/2	1,832.33
3/4	3/4		3/4		3,666.98	3/4	3,407.59	3/4	3,144.13	3/4	2,880.68	3/4	2,617.22	3/4	2,353.76	3/4	2,090.30	3/4	1,826.85
3		3		3	3,662.90	3	3,402.10	3	3,138.65	3	2,875.19	3	2,611.73	3	2,348.27	3	2,084.82	3	1,821.36
1/4	1/4		1/4		3,658.82	1/4	3,396.61	1/4	3,133.16	1/4	2,869.70	1/4	2,606.24	1/4	2,342.78	1/4	2,079.33	1/4	1,815.87
1/2	1/2		1/2		3,653.61	1/2	3,391.13	1/2	3,127.67	1/2	2,864.21	1/2	2,600.75	1/2	2,337.30	1/2	2,073.84	1/2	1,810.38
3/4	3/4		3/4		3,648.41	3/4	3,385.64	3/4	3,122.18	3/4	2,858.72	3/4	2,595.26	3/4	2,331.81	3/4	2,068.35	3/4	1,804.89
4		4		4	3,643.20	4	3,380.15	4	3,116.69	4	2,853.23	4	2,589.78	4	2,326.32	4	2,062.86	4	1,799.40
1/4	1/4		1/4		3,637.99	1/4	3,374.66	1/4	3,111.20	1/4	2,847.74	1/4	2,584.29	1/4	2,320.83	1/4	2,057.37	1/4	1,793.91
1/2	1/2		1/2		3,632.53	1/2	3,369.17	1/2	3,105.71	1/2	2,842.26	1/2	2,578.80	1/2	2,315.34	1/2	2,051.88	1/2	1,788.43
3/4	3/4		3/4		3,627.06	3/4	3,363.68	3/4	3,100.22	3/4	2,836.77	3/4	2,573.31	3/4	2,309.85	3/4	2,046.39	3/4	1,782.94
5		5		5	3,621.59	5	3,358.19	5	3,094.74	5	2,831.28	5	2,567.82	5	2,304.36	5	2,040.91	5	1,777.45
1/4	1/4		1/4		3,616.12	1/4	3,352.70	1/4	3,089.25	1/4	2,825.79	1/4	2,562.33	1/4	2,298.87	1/4	2,035.42	1/4	1,771.96
1/2	1/2		1/2		3,610.64	1/2	3,347.22	1/2	3,083.76	1/2	2,820.30	1/2	2,556.84	1/2	2,293.39	1/2	2,029.93	1/2	1,766.47
3/4	3/4		3/4		3,605.16	3/4	3,341.73	3/4	3,078.27	3/4	2,814.81	3/4	2,551.35	3/4	2,287.90	3/4	2,024.44	3/4	1,760.98
6		6		6	3,599.67	6	3,336.24	6	3,072.78	6	2,809.32	6	2,545.87	6	2,282.41	6	2,018.95	6	1,755.49
1/4	1/4		1/4		3,594.19	1/4	3,330.75	1/4	3,067.29	1/4	2,803.83	1/4	2,540.38	1/4	2,276.92	1/4	2,013.46	1/4	1,750.00
1/2	1/2		1/2		3,588.70	1/2	3,325.26	1/2	3,061.80	1/2	2,798.35	1/2	2,534.89	1/2	2,271.43	1/2	2,007.97	1/2	1,744.52
3/4	3/4		3/4		3,583.22	3/4	3,319.77	3/4	3,056.32	3/4	2,792.86	3/4	2,529.40	3/4	2,265.94	3/4	2,002.48	3/4	1,739.03
7		7		7	3,577.74	7	3,314.28	7	3,050.83	7	2,787.37	7	2,523.91	7	2,260.45	7	1,997.00	7	1,733.54
1/4	1/4		1/4		3,572.25	1/4	3,308.80	1/4	3,045.34	1/4	2,781.88	1/4	2,518.42	1/4	2,254.96	1/4	1,991.51	1/4	1,728.05
1/2	1/2		1/2		3,566.76	1/2	3,303.31	1/2	3,039.85	1/2	2,776.39	1/2	2,512.93	1/2	2,249.48	1/2	1,986.02	1/2	1,722.56
3/4	3/4		3/4		3,561.28	3/4	3,297.82	3/4	3,034.36	3/4	2,770.90	3/4	2,507.45	3/4	2,243.99	3/4	1,980.53	3/4	1,717.07
8		8		8	3,555.79	8	3,292.33	8	3,028.87	8	2,765.41	8	2,501.96	8	2,238.50	8	1,975.04	8	1,711.58
1/4	1/4		1/4		3,550.30	1/4	3,286.84	1/4	3,023.38	1/4	2,759.93	1/4	2,496.47	1/4	2,233.01	1/4	1,969.55	1/4	1,706.09
1/2	1/2		1/2		3,544.81	1/2	3,281.35	1/2	3,017.89	1/2	2,754.44	1/2	2,490.98	1/2	2,227.52	1/2	1,964.06	1/2	1,700.61
3/4	3/4		3/4		3,539.32	3/4	3,275.86	3/4	3,012.41	3/4	2,748.95	3/4	2,485.49	3/4	2,222.03	3/4	1,958.58	3/4	1,695.12
9		9		9	3,533.83	9	3,270.37	9	3,006.92	9	2,743.46	9	2,480.00	9	2,216.54	9	1,953.09	9	1,689.63
1/4	1/4		1/4		3,528.34	1/4	3,264.89	1/4	3,001.43	1/4	2,737.97	1/4	2,474.51	1/4	2,211.06	1/4	1,947.60	1/4	1,684.14
1/2	1/2		1/2		3,522.85	1/2	3,259.40	1/2	2,995.94	1/2	2,732.48	1/2	2,469.02	1/2	2,205.57	1/2	1,942.11	1/2	1,678.65
3/4	3/4		3/4		3,517.37	3/4	3,253.91	3/4	2,990.45	3/4	2,726.99	3/4	2,463.54	3/4	2,200.08	3/4	1,936.62	3/4	1,673.16
10		10		10	3,511.88	10	3,248.42	10	2,984.96	10	2,721.50	10	2,458.05	10	2,194.59	10	1,931.13	10	1,667.67
1/4	1/4		1/4		3,506.39	1/4	3,242.93	1/4	2,979.47	1/4	2,716.02	1/4	2,452.56	1/4	2,189.10	1/4	1,925.64	1/4	1,662.19
1/2	1/2		1/2		3,500.90	1/2	3,237.44	1/2	2,973.98	1/2	2,710.53	1/2	2,447.07	1/2	2,183.61	1/2	1,920.15	1/2	1,656.70
3/4	3/4		3/4		3,495.41	3/4	3,231.95	3/4	2,968.50	3/4	2,705.04	3/4	2,441.58	3/4	2,178.12	3/4	1,914.67	3/4	1,651.21
11		11		11	3,489.92	11	3,226.46	11	2,963.01	11	2,699.55	11	2,436.09	11	2,172.63	11	1,909.18	11	1,645.72
1/4	1/4		1/4		3,484.43	1/4	3,220.98	1/4	2,957.52	1/4	2,694.06	1/4	2,430.60	1/4	2,167.15	1/4	1,903.69	1/4	1,640.23
1/2	1/2		1/2		3,478.94	1/2	3,215.49	1/2	2,952.03	1/2	2,688.57	1/2	2,425.11	1/2	2,161.66	1/2	1,898.20	1/2	1,634.74
3/4	3/4		3/4		3,473.46	3/4	3,210.00	3/4	2,946.54	3/4	2,683.08	3/4	2,419.63	3/4	2,156.17	3/4	1,892.71	3/4	1,629.25

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 1093"

## 2 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	1,360.31	0	1,096.85	0	833.61	0	575.93	0	312.49	0	49.67	0		0		0		0	
1/4	1,354.82	1/4	1,091.36	1/4	828.20	1/4	570.45	1/4	307.00	1/4	44.27	1/4		1/4		1/4		1/4	
1/2	1,349.33	1/2	1,085.87	1/2	822.86	1/2	564.96	1/2	301.51	1/2	39.30	1/2		1/2		1/2		1/2	
3/4	1,343.84	3/4	1,080.38	3/4	817.52	3/4	559.47	3/4	296.03	3/4	34.33	3/4		3/4		3/4		3/4	
1	1,338.35	1	1,074.89	1	812.18	1	553.98	1	290.54	1	29.36	1		1		1		1	
1/4	1,332.86	1/4	1,069.41	1/4	806.84	1/4	548.49	1/4	285.05	1/4	24.39	1/4		1/4		1/4		1/4	
1/2	1,327.37	1/2	1,063.92	1/2	801.50	1/2	543.00	1/2	279.56	1/2	20.74	1/2		1/2		1/2		1/2	
3/4	1,321.89	3/4	1,058.43	3/4	796.16	3/4	537.52	3/4	274.07	3/4	17.08	3/4		3/4		3/4		3/4	
2	1,316.40	2	1,052.94	2	790.82	2	532.03	2	268.58	2	13.43	2		2		2		2	
1/4	1,310.91	1/4	1,047.45	1/4	785.49	1/4	526.54	1/4	263.10	1/4	9.77	1/4		1/4		1/4		1/4	
1/2	1,305.42	1/2	1,041.96	1/2	780.15	1/2	521.05	1/2	257.61	1/2	7.94	1/2		1/2		1/2		1/2	
3/4	1,299.93	3/4	1,036.47	3/4	774.81	3/4	515.56	3/4	252.12	3/4	6.11	3/4		3/4		3/4		3/4	
3	1,294.44	3	1,030.98	3	769.47	3	510.07	3	246.63	3	4.28	3		3		3		3	
1/4	1,288.95	1/4	1,025.50	1/4	764.13	1/4	504.59	1/4	241.14	1/4	2.46	1/4		1/4		1/4		1/4	
1/2	1,283.46	1/2	1,020.01	1/2	758.79	1/2	499.10	1/2	235.65	1/2		1/2		1/2		1/2		1/2	
3/4	1,277.98	3/4	1,014.52	3/4	753.46	3/4	493.61	3/4	230.17	3/4		3/4		3/4		3/4		3/4	
4	1,272.49	4	1,009.03	4	748.12	4	488.12	4	224.68	4		4		4		4		4	
1/4	1,267.00	1/4	1,003.54	1/4	742.78	1/4	482.63	1/4	219.19	1/4		1/4		1/4		1/4		1/4	
1/2	1,261.51	1/2	998.05	1/2	737.44	1/2	477.14	1/2	213.70	1/2		1/2		1/2		1/2		1/2	
3/4	1,256.02	3/4	992.56	3/4	732.10	3/4	471.65	3/4	208.21	3/4		3/4		3/4		3/4		3/4	
5	1,250.53	5	987.08	5	726.76	5	466.17	5	202.72	5		5		5		5		5	
1/4	1,245.04	1/4	981.59	1/4	721.42	1/4	460.68	1/4	197.23	1/4		1/4		1/4		1/4		1/4	
1/2	1,239.56	1/2	976.10	1/2	716.09	1/2	455.19	1/2	191.75	1/2		1/2		1/2		1/2		1/2	
3/4	1,234.07	3/4	970.61	3/4	710.75	3/4	449.70	3/4	186.26	3/4		3/4		3/4		3/4		3/4	
6	1,228.58	6	965.12	6	705.41	6	444.21	6	180.77	6		6		6		6		6	
1/4	1,223.09	1/4	959.63	1/4	700.07	1/4	438.72	1/4	175.28	1/4		1/4		1/4		1/4		1/4	
1/2	1,217.60	1/2	954.14	1/2	694.73	1/2	433.24	1/2	169.79	1/2		1/2		1/2		1/2		1/2	
3/4	1,212.11	3/4	948.65	3/4	689.39	3/4	427.75	3/4	164.31	3/4		3/4		3/4		3/4		3/4	
7	1,206.62	7	943.17	7	684.06	7	422.26	7	158.82	7		7		7		7		7	
1/4	1,201.13	1/4	937.68	1/4	678.72	1/4	416.77	1/4	153.33	1/4		1/4		1/4		1/4		1/4	
1/2	1,195.65	1/2	932.19	1/2	673.38	1/2	411.28	1/2	147.85	1/2		1/2		1/2		1/2		1/2	
3/4	1,190.16	3/4	926.70	3/4	668.04	3/4	405.79	3/4	142.36	3/4		3/4		3/4		3/4		3/4	
8	1,184.67	8	921.21	8	662.70	8	400.31	8	136.88	8		8		8		8		8	
1/4	1,179.18	1/4	915.72	1/4	657.36	1/4	394.82	1/4	131.39	1/4		1/4		1/4		1/4		1/4	
1/2	1,173.69	1/2	910.23	1/2	652.03	1/2	389.33	1/2	125.91	1/2		1/2		1/2		1/2		1/2	
3/4	1,168.20	3/4	904.74	3/4	646.69	3/4	383.84	3/4	120.44	3/4		3/4		3/4		3/4		3/4	
9	1,162.71	9	899.26	9	641.35	9	378.35	9	114.96	9		9		9		9		9	
1/4	1,157.22	1/4	893.77	1/4	636.01	1/4	372.86	1/4	109.48	1/4		1/4		1/4		1/4		1/4	
1/2	1,151.74	1/2	888.28	1/2	630.60	1/2	367.38	1/2	104.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,146.25	3/4	882.79	3/4	625.18	3/4	361.89	3/4	98.56	3/4		3/4		3/4		3/4		3/4	
10	1,140.76	10	877.30	10	619.77	10	356.40	10	93.09	10		10		10		10		10	
1/4	1,135.27	1/4	871.81	1/4	614.35	1/4	350.91	1/4	87.63	1/4		1/4		1/4		1/4		1/4	
1/2	1,129.78	1/2	866.32	1/2	608.86	1/2	345.42	1/2	82.19	1/2		1/2		1/2		1/2		1/2	
3/4	1,124.29	3/4	860.84	3/4	603.38	3/4	339.93	3/4	76.75	3/4		3/4		3/4		3/4		3/4	
11	1,118.80	11	855.35	11	597.89	11	334.44	11	71.31	11		11		11		11		11	
1/4	1,113.32	1/4	849.86	1/4	592.40	1/4	328.96	1/4	65.87	1/4		1/4		1/4		1/4		1/4	
1/2	1,107.83	1/2	844.44	1/2	586.91	1/2	323.47	1/2	60.47	1/2		1/2		1/2		1/2		1/2	
3/4	1,102.34	3/4	839.03	3/4	581.42	3/4	317.98	3/4	55.07	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/19/2017 CL  
CALCULATED: 07/20/2017 CL  
PRINTED: 07/20/2017 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 1093"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-03"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	3,436.65	0	3,175.58	0	2,914.51	0	2,653.44	0	2,392.36	0	2,131.29	0	1,870.22	0	1,609.15
1/4	1/4		1/4		3,431.21	1/4	3,170.14	1/4	2,909.07	1/4	2,648.00	1/4	2,386.93	1/4	2,125.85	1/4	1,864.78	1/4	1,603.71
1/2	1/2		1/2		3,425.77	1/2	3,164.70	1/2	2,903.63	1/2	2,642.56	1/2	2,381.49	1/2	2,120.41	1/2	1,859.34	1/2	1,598.27
3/4	3/4		3/4		3,420.34	3/4	3,159.26	3/4	2,898.19	3/4	2,637.12	3/4	2,376.05	3/4	2,114.98	3/4	1,853.90	3/4	1,592.83
1		1		1	3,656.45	1	3,414.90	1	2,892.75	1	2,631.68	1	2,370.61	1	2,109.54	1	1,848.46	1	1,587.39
1/4	1/4		1/4		3,654.18	1/4	3,409.46	1/4	2,887.31	1/4	2,626.24	1/4	2,365.17	1/4	2,104.10	1/4	1,843.03	1/4	1,581.95
1/2	1/2		1/2		3,651.92	1/2	3,404.02	1/2	2,881.87	1/2	2,620.80	1/2	2,359.73	1/2	2,098.66	1/2	1,837.59	1/2	1,576.51
3/4	3/4		3/4		3,649.65	3/4	3,398.58	3/4	2,876.44	3/4	2,615.36	3/4	2,354.29	3/4	2,093.22	3/4	1,832.15	3/4	1,571.08
2		2		2	3,647.39	2	3,393.14	2	2,871.00	2	2,609.92	2	2,348.85	2	2,087.78	2	1,826.71	2	1,565.64
1/4	1/4		1/4		3,643.34	1/4	3,387.70	1/4	2,865.56	1/4	2,604.49	1/4	2,343.41	1/4	2,082.34	1/4	1,821.27	1/4	1,560.20
1/2	1/2		1/2		3,639.30	1/2	3,382.26	1/2	2,860.12	1/2	2,599.05	1/2	2,337.97	1/2	2,076.90	1/2	1,815.83	1/2	1,554.76
3/4	3/4		3/4		3,635.26	3/4	3,376.82	3/4	2,854.68	3/4	2,593.61	3/4	2,332.54	3/4	2,071.46	3/4	1,810.39	3/4	1,549.32
3		3		3	3,631.22	3	3,371.38	3	2,849.24	3	2,588.17	3	2,327.10	3	2,066.02	3	1,804.95	3	1,543.88
1/4	1/4		1/4		3,626.06	1/4	3,365.95	1/4	2,843.80	1/4	2,582.73	1/4	2,321.66	1/4	2,060.59	1/4	1,799.51	1/4	1,538.44
1/2	1/2		1/2		3,620.90	1/2	3,360.43	1/2	2,838.36	1/2	2,577.29	1/2	2,316.22	1/2	2,055.15	1/2	1,794.07	1/2	1,533.00
3/4	3/4		3/4		3,615.74	3/4	3,355.07	3/4	2,832.92	3/4	2,571.85	3/4	2,310.78	3/4	2,049.71	3/4	1,788.64	3/4	1,527.56
4		4		4	3,610.58	4	3,349.63	4	2,827.48	4	2,566.41	4	2,305.34	4	2,044.27	4	1,783.20	4	1,522.12
1/4	1/4		1/4		3,605.17	1/4	3,344.19	1/4	2,822.05	1/4	2,560.97	1/4	2,299.90	1/4	2,038.83	1/4	1,777.76	1/4	1,516.69
1/2	1/2		1/2		3,599.75	1/2	3,338.75	1/2	2,816.61	1/2	2,555.53	1/2	2,294.46	1/2	2,033.39	1/2	1,772.32	1/2	1,511.25
3/4	3/4		3/4		3,594.33	3/4	3,333.31	3/4	2,811.17	3/4	2,550.10	3/4	2,289.02	3/4	2,027.95	3/4	1,766.88	3/4	1,505.81
5		5		5	3,588.91	5	3,327.87	5	2,805.73	5	2,544.66	5	2,283.58	5	2,022.51	5	1,761.44	5	1,500.37
1/4	1/4		1/4		3,583.48	1/4	3,322.43	1/4	2,800.29	1/4	2,539.22	1/4	2,278.15	1/4	2,017.07	1/4	1,756.00	1/4	1,494.93
1/2	1/2		1/2		3,578.04	1/2	3,316.99	1/2	2,794.85	1/2	2,533.78	1/2	2,272.71	1/2	2,011.63	1/2	1,750.56	1/2	1,489.49
3/4	3/4		3/4		3,572.61	3/4	3,311.56	3/4	2,789.41	3/4	2,528.34	3/4	2,267.27	3/4	2,006.20	3/4	1,745.12	3/4	1,484.05
6		6		6	3,567.17	6	3,306.12	6	2,783.97	6	2,522.90	6	2,261.83	6	2,000.76	6	1,739.68	6	1,478.61
1/4	1/4		1/4		3,561.74	1/4	3,300.68	1/4	2,778.53	1/4	2,517.46	1/4	2,256.39	1/4	1,995.32	1/4	1,734.25	1/4	1,473.17
1/2	1/2		1/2		3,556.30	1/2	3,295.24	1/2	2,773.09	1/2	2,512.02	1/2	2,250.95	1/2	1,989.88	1/2	1,728.81	1/2	1,467.73
3/4	3/4		3/4		3,550.87	3/4	3,289.80	3/4	2,767.66	3/4	2,506.58	3/4	2,245.51	3/4	1,984.44	3/4	1,723.37	3/4	1,462.30
7		7		7	3,545.43	7	3,284.36	7	2,762.22	7	2,501.14	7	2,240.07	7	1,979.00	7	1,717.93	7	1,456.86
1/4	1/4		1/4		3,539.99	1/4	3,278.92	1/4	2,756.78	1/4	2,495.71	1/4	2,234.63	1/4	1,973.56	1/4	1,712.49	1/4	1,451.42
1/2	1/2		1/2		3,534.55	1/2	3,273.48	1/2	2,751.34	1/2	2,490.27	1/2	2,229.19	1/2	1,968.12	1/2	1,707.05	1/2	1,445.98
3/4	3/4		3/4		3,529.12	3/4	3,268.04	3/4	2,745.90	3/4	2,484.83	3/4	2,223.76	3/4	1,962.68	3/4	1,701.61	3/4	1,440.54
8		8		8	3,523.68	8	3,262.60	8	2,740.46	8	2,479.39	8	2,218.32	8	1,957.24	8	1,696.17	8	1,435.10
1/4	1/4		1/4		3,518.24	1/4	3,257.17	1/4	2,735.02	1/4	2,473.95	1/4	2,212.88	1/4	1,951.81	1/4	1,690.73	1/4	1,429.66
1/2	1/2		1/2		3,512.80	1/2	3,251.73	1/2	2,729.58	1/2	2,468.51	1/2	2,207.44	1/2	1,946.37	1/2	1,685.29	1/2	1,424.22
3/4	3/4		3/4		3,507.36	3/4	3,246.29	3/4	2,724.14	3/4	2,463.07	3/4	2,202.00	3/4	1,940.93	3/4	1,679.86	3/4	1,418.78
9		9		9	3,501.92	9	3,240.85	9	2,718.70	9	2,457.63	9	2,196.56	9	1,935.49	9	1,674.42	9	1,413.34
1/4	1/4		1/4		3,496.48	1/4	3,235.41	1/4	2,713.27	1/4	2,452.19	1/4	2,191.12	1/4	1,930.05	1/4	1,668.98	1/4	1,407.91
1/2	1/2		1/2		3,491.04	1/2	3,229.97	1/2	2,707.83	1/2	2,446.75	1/2	2,185.68	1/2	1,924.61	1/2	1,663.54	1/2	1,402.47
3/4	3/4		3/4		3,485.60	3/4	3,224.53	3/4	2,702.39	3/4	2,441.32	3/4	2,180.24	3/4	1,919.17	3/4	1,658.10	3/4	1,397.03
10		10		10	3,480.16	10	3,219.09	10	2,695.02	10	2,435.88	10	2,174.80	10	1,913.73	10	1,652.66	10	1,391.59
1/4	1/4		1/4		3,474.73	1/4	3,213.65	1/4	2,691.51	1/4	2,430.44	1/4	2,169.37	1/4	1,908.29	1/4	1,647.22	1/4	1,386.15
1/2	1/2		1/2		3,469.29	1/2	3,208.21	1/2	2,686.07	1/2	2,425.00	1/2	2,163.93	1/2	1,902.85	1/2	1,641.78	1/2	1,380.71
3/4	3/4		3/4		3,463.85	3/4	3,202.78	3/4	2,680.63	3/4	2,419.56	3/4	2,158.49	3/4	1,897.42	3/4	1,636.34	3/4	1,375.27
11		11		11	3,458.41	11	3,197.34	11	2,675.19	11	2,414.12	11	2,153.05	11	1,891.98	11	1,630.90	11	1,369.83
1/4	1/4		1/4		3,452.97	1/4	3,191.90	1/4	2,670.75	1/4	2,408.68	1/4	2,147.61	1/4	1,886.54	1/4	1,625.47	1/4	1,364.39
1/2	1/2		1/2		3,447.53	1/2	3,186.46	1/2	2,664.31	1/2	2,403.24	1/2	2,142.17	1/2	1,881.10	1/2	1,620.03	1/2	1,358.95
3/4	3/4		3/4		3,442.09	3/4	3,181.02	3/4	2,658.88	3/4	2,397.80	3/4	2,136.73	3/4	1,875.66	3/4	1,614.59	3/4	1,353.52

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.

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# BARGE "IB 1093"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-03"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,348.08	0	1,087.00	0	825.95	0	565.29	0	304.23	0	43.87	0		0		0		0	
1/4	1,342.64	1/4	1,081.57	1/4	820.52	1/4	559.85	1/4	298.79	1/4	38.95	1/4		1/4		1/4		1/4	
1/2	1,337.20	1/2	1,076.13	1/2	815.09	1/2	554.41	1/2	293.35	1/2	34.02	1/2		1/2		1/2		1/2	
3/4	1,331.76	3/4	1,070.69	3/4	809.66	3/4	548.97	3/4	287.91	3/4	29.10	3/4		3/4		3/4		3/4	
1	1,326.32	1	1,065.25	1	804.23	1	543.53	1	282.47	1	24.17	1		1		1		1	
1/4	1,320.88	1/4	1,059.81	1/4	798.80	1/4	538.09	1/4	277.03	1/4	20.55	1/4		1/4		1/4		1/4	
1/2	1,315.44	1/2	1,054.37	1/2	793.37	1/2	532.66	1/2	271.59	1/2	16.93	1/2		1/2		1/2		1/2	
3/4	1,310.00	3/4	1,048.93	3/4	787.95	3/4	527.22	3/4	266.15	3/4	13.31	3/4		3/4		3/4		3/4	
2	1,304.56	2	1,043.49	2	782.52	2	521.78	2	260.72	2	9.69	2		2		2		2	
1/4	1,299.13	1/4	1,038.05	1/4	777.09	1/4	516.34	1/4	255.28	1/4	7.87	1/4		1/4		1/4		1/4	
1/2	1,293.69	1/2	1,032.61	1/2	771.66	1/2	510.90	1/2	249.84	1/2	6.06	1/2		1/2		1/2		1/2	
3/4	1,288.25	3/4	1,027.18	3/4	766.23	3/4	505.46	3/4	244.40	3/4	4.25	3/4		3/4		3/4		3/4	
3	1,282.81	3	1,021.74	3	760.80	3	500.02	3	238.96	3	2.44	3		3		3		3	
1/4	1,277.37	1/4	1,016.30	1/4	755.38	1/4	494.58	1/4	233.52	1/4		1/4		1/4		1/4		1/4	
1/2	1,271.93	1/2	1,010.86	1/2	749.95	1/2	489.15	1/2	228.08	1/2		1/2		1/2		1/2		1/2	
3/4	1,266.49	3/4	1,005.42	3/4	744.52	3/4	483.71	3/4	222.64	3/4		3/4		3/4		3/4		3/4	
4	1,261.05	4	999.98	4	739.09	4	478.27	4	217.21	4		4		4		4		4	
1/4	1,255.61	1/4	994.54	1/4	733.66	1/4	472.83	1/4	211.77	1/4		1/4		1/4		1/4		1/4	
1/2	1,250.17	1/2	989.10	1/2	728.24	1/2	467.39	1/2	206.33	1/2		1/2		1/2		1/2		1/2	
3/4	1,244.74	3/4	983.66	3/4	722.81	3/4	461.95	3/4	200.89	3/4		3/4		3/4		3/4		3/4	
5	1,239.30	5	978.22	5	717.38	5	456.51	5	195.45	5		5		5		5		5	
1/4	1,233.86	1/4	972.79	1/4	711.95	1/4	451.07	1/4	190.01	1/4		1/4		1/4		1/4		1/4	
1/2	1,228.42	1/2	967.35	1/2	706.52	1/2	445.63	1/2	184.57	1/2		1/2		1/2		1/2		1/2	
3/4	1,222.98	3/4	961.91	3/4	701.09	3/4	440.20	3/4	179.13	3/4		3/4		3/4		3/4		3/4	
6	1,217.54	6	956.47	6	695.67	6	434.76	6	173.70	6		6		6		6		6	
1/4	1,212.10	1/4	951.03	1/4	690.24	1/4	429.32	1/4	168.26	1/4		1/4		1/4		1/4		1/4	
1/2	1,206.66	1/2	945.59	1/2	684.81	1/2	423.88	1/2	162.82	1/2		1/2		1/2		1/2		1/2	
3/4	1,201.22	3/4	940.15	3/4	679.38	3/4	418.44	3/4	157.38	3/4		3/4		3/4		3/4		3/4	
7	1,195.78	7	934.71	7	673.95	7	413.00	7	151.94	7		7		7		7		7	
1/4	1,190.35	1/4	929.27	1/4	668.53	1/4	407.56	1/4	146.51	1/4		1/4		1/4		1/4		1/4	
1/2	1,184.91	1/2	923.83	1/2	663.10	1/2	402.12	1/2	141.07	1/2		1/2		1/2		1/2		1/2	
3/4	1,179.47	3/4	918.40	3/4	657.67	3/4	396.69	3/4	135.64	3/4		3/4		3/4		3/4		3/4	
8	1,174.03	8	912.96	8	652.24	8	391.25	8	130.20	8		8		8		8		8	
1/4	1,168.59	1/4	907.52	1/4	646.81	1/4	385.81	1/4	124.78	1/4		1/4		1/4		1/4		1/4	
1/2	1,163.15	1/2	902.08	1/2	641.39	1/2	380.37	1/2	119.35	1/2		1/2		1/2		1/2		1/2	
3/4	1,157.71	3/4	896.64	3/4	635.96	3/4	374.93	3/4	113.92	3/4		3/4		3/4		3/4		3/4	
9	1,152.27	9	891.20	9	630.53	9	369.49	9	108.49	9		9		9		9		9	
1/4	1,146.83	1/4	885.76	1/4	625.10	1/4	364.05	1/4	103.08	1/4		1/4		1/4		1/4		1/4	
1/2	1,141.39	1/2	880.32	1/2	619.66	1/2	358.61	1/2	97.67	1/2		1/2		1/2		1/2		1/2	
3/4	1,135.96	3/4	874.88	3/4	614.23	3/4	353.18	3/4	92.25	3/4		3/4		3/4		3/4		3/4	
10	1,130.52	10	869.44	10	608.80	10	347.74	10	86.84	10		10		10		10		10	
1/4	1,125.08	1/4	864.01	1/4	603.36	1/4	342.30	1/4	81.45	1/4		1/4		1/4		1/4		1/4	
1/2	1,119.64	1/2	858.57	1/2	597.92	1/2	336.86	1/2	76.06	1/2		1/2		1/2		1/2		1/2	
3/4	1,114.20	3/4	853.13	3/4	592.48	3/4	331.42	3/4	70.67	3/4		3/4		3/4		3/4		3/4	
11	1,108.76	11	847.69	11	587.04	11	325.98	11	65.28	11		11		11		11		11	
1/4	1,103.32	1/4	842.25	1/4	581.60	1/4	320.54	1/4	59.93	1/4		1/4		1/4		1/4		1/4	
1/2	1,097.88	1/2	836.82	1/2	576.17	1/2	315.10	1/2	54.58	1/2		1/2		1/2		1/2		1/2	
3/4	1,092.44	3/4	831.39	3/4	570.73	3/4	309.66	3/4	49.23	3/4		3/4		3/4		3/4		3/4	

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