



BARGE "IB 1091"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 163'-00"

July 10, 2017

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

<http://www.pmacorp.net>



BARGE "IB 1091"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-02 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	3,760.12	0	3,505.60	0	3,251.08	0	2,996.56	0	2,717.87	0	2,420.32	0	2,122.77	0	1,825.20
1/4		1/4		1/4	3,754.82	1/4	3,500.30	1/4	3,245.78	1/4	2,991.26	1/4	2,711.67	1/4	2,414.12	1/4	2,116.57	1/4	1,819.01
1/2		1/2		1/2	3,749.51	1/2	3,494.99	1/2	3,240.47	1/2	2,985.95	1/2	2,705.47	1/2	2,407.92	1/2	2,110.37	1/2	1,812.81
3/4		3/4	3,978.27	3/4	3,744.21	3/4	3,489.69	3/4	3,235.17	3/4	2,980.65	3/4	2,699.28	3/4	2,401.72	3/4	2,104.17	3/4	1,806.61
1		1	3,976.14	1	3,738.91	1	3,484.39	1	3,229.87	1	2,975.35	1	2,693.08	1	2,395.52	1	2,097.97	1	1,800.41
1/4		1/4	3,974.00	1/4	3,733.61	1/4	3,479.09	1/4	3,224.57	1/4	2,970.05	1/4	2,686.88	1/4	2,389.32	1/4	2,091.77	1/4	1,794.21
1/2		1/2	3,971.87	1/2	3,728.30	1/2	3,473.78	1/2	3,219.26	1/2	2,964.74	1/2	2,680.68	1/2	2,383.12	1/2	2,085.57	1/2	1,788.01
3/4		3/4	3,969.74	3/4	3,723.00	3/4	3,468.48	3/4	3,213.96	3/4	2,959.44	3/4	2,674.48	3/4	2,376.93	3/4	2,079.37	3/4	1,781.81
2		2	3,966.03	2	3,717.70	2	3,463.18	2	3,208.66	2	2,954.14	2	2,668.28	2	2,370.73	2	2,073.17	2	1,775.61
1/4		1/4	3,962.32	1/4	3,712.40	1/4	3,457.88	1/4	3,203.36	1/4	2,948.84	1/4	2,662.08	1/4	2,364.53	1/4	2,066.97	1/4	1,769.41
1/2		1/2	3,958.62	1/2	3,707.09	1/2	3,452.57	1/2	3,198.05	1/2	2,943.53	1/2	2,655.88	1/2	2,358.33	1/2	2,060.77	1/2	1,763.21
3/4		3/4	3,954.91	3/4	3,701.79	3/4	3,447.27	3/4	3,192.75	3/4	2,938.23	3/4	2,649.68	3/4	2,352.13	3/4	2,054.58	3/4	1,757.01
3		3	3,949.93	3	3,696.49	3	3,441.97	3	3,187.45	3	2,932.93	3	2,643.48	3	2,345.93	3	2,048.38	3	1,750.81
1/4		1/4	3,944.94	1/4	3,691.19	1/4	3,436.67	1/4	3,182.15	1/4	2,927.63	1/4	2,637.28	1/4	2,339.73	1/4	2,042.18	1/4	1,744.62
1/2		1/2	3,939.96	1/2	3,685.88	1/2	3,431.36	1/2	3,176.84	1/2	2,922.32	1/2	2,631.08	1/2	2,333.54	1/2	2,035.98	1/2	1,738.42
3/4		3/4	3,934.98	3/4	3,680.58	3/4	3,426.06	3/4	3,171.54	3/4	2,917.02	3/4	2,624.89	3/4	2,327.34	3/4	2,029.78	3/4	1,732.22
4		4	3,929.70	4	3,675.28	4	3,420.76	4	3,166.24	4	2,911.72	4	2,618.69	4	2,321.14	4	2,023.58	4	1,726.02
1/4		1/4	3,924.42	1/4	3,669.98	1/4	3,415.46	1/4	3,160.94	1/4	2,906.43	1/4	2,612.49	1/4	2,314.94	1/4	2,017.38	1/4	1,719.82
1/2		1/2	3,919.14	1/2	3,664.67	1/2	3,410.15	1/2	3,155.63	1/2	2,901.13	1/2	2,606.29	1/2	2,308.74	1/2	2,011.18	1/2	1,713.62
3/4		3/4	3,913.86	3/4	3,659.37	3/4	3,404.85	3/4	3,150.33	3/4	2,895.84	3/4	2,600.09	3/4	2,302.54	3/4	2,004.98	3/4	1,707.42
5		5	3,908.57	5	3,654.07	5	3,399.55	5	3,145.03	5	2,890.09	5	2,593.89	5	2,296.34	5	1,998.78	5	1,701.23
1/4		1/4	3,903.27	1/4	3,648.77	1/4	3,394.25	1/4	3,139.73	1/4	2,884.34	1/4	2,587.69	1/4	2,290.15	1/4	1,992.58	1/4	1,695.04
1/2		1/2	3,897.97	1/2	3,643.46	1/2	3,388.94	1/2	3,134.42	1/2	2,878.60	1/2	2,581.49	1/2	2,283.95	1/2	1,986.38	1/2	1,688.84
3/4		3/4	3,892.67	3/4	3,638.16	3/4	3,383.64	3/4	3,129.12	3/4	2,872.85	3/4	2,575.29	3/4	2,277.75	3/4	1,980.18	3/4	1,682.65
6		6	3,887.37	6	3,632.86	6	3,378.34	6	3,123.82	6	2,866.65	6	2,569.09	6	2,271.55	6	1,973.99	6	1,676.47
1/4		1/4	3,882.07	1/4	3,627.56	1/4	3,373.04	1/4	3,118.52	1/4	2,860.45	1/4	2,562.89	1/4	2,265.35	1/4	1,967.79	1/4	1,670.28
1/2		1/2	3,876.77	1/2	3,622.25	1/2	3,367.73	1/2	3,113.21	1/2	2,854.26	1/2	2,556.69	1/2	2,259.15	1/2	1,961.59	1/2	1,664.10
3/4		3/4	3,871.47	3/4	3,616.95	3/4	3,362.43	3/4	3,107.91	3/4	2,848.06	3/4	2,550.49	3/4	2,252.95	3/4	1,955.39	3/4	1,657.91
7		7	3,866.17	7	3,611.65	7	3,357.13	7	3,102.61	7	2,841.86	7	2,544.30	7	2,246.75	7	1,949.19	7	1,651.73
1/4		1/4	3,860.87	1/4	3,606.35	1/4	3,351.83	1/4	3,097.31	1/4	2,835.66	1/4	2,538.10	1/4	2,240.55	1/4	1,942.99	1/4	1,645.54
1/2		1/2	3,855.56	1/2	3,601.04	1/2	3,346.52	1/2	3,092.00	1/2	2,829.46	1/2	2,531.90	1/2	2,234.35	1/2	1,936.79	1/2	1,639.36
3/4		3/4	3,850.26	3/4	3,595.74	3/4	3,341.22	3/4	3,086.70	3/4	2,823.26	3/4	2,525.70	3/4	2,228.15	3/4	1,930.59	3/4	1,633.17
8		8	3,844.96	8	3,590.44	8	3,335.92	8	3,081.40	8	2,817.06	8	2,519.50	8	2,221.95	8	1,924.39	8	1,626.99
1/4		1/4	3,839.66	1/4	3,585.14	1/4	3,330.62	1/4	3,076.10	1/4	2,810.86	1/4	2,513.30	1/4	2,215.75	1/4	1,918.19	1/4	1,620.80
1/2		1/2	3,834.35	1/2	3,579.83	1/2	3,325.31	1/2	3,070.79	1/2	2,804.66	1/2	2,507.10	1/2	2,209.56	1/2	1,911.99	1/2	1,614.62
3/4		3/4	3,829.05	3/4	3,574.53	3/4	3,320.01	3/4	3,065.49	3/4	2,798.46	3/4	2,500.90	3/4	2,203.36	3/4	1,905.79	3/4	1,608.43
9		9	3,823.75	9	3,569.23	9	3,314.71	9	3,060.19	9	2,792.26	9	2,494.70	9	2,197.16	9	1,899.60	9	1,602.25
1/4		1/4	3,818.45	1/4	3,563.93	1/4	3,309.41	1/4	3,054.89	1/4	2,786.06	1/4	2,488.50	1/4	2,190.96	1/4	1,893.40	1/4	1,596.06
1/2		1/2	3,813.14	1/2	3,558.62	1/2	3,304.10	1/2	3,049.58	1/2	2,779.87	1/2	2,482.30	1/2	2,184.76	1/2	1,887.20	1/2	1,589.88
3/4		3/4	3,807.84	3/4	3,553.32	3/4	3,298.80	3/4	3,044.28	3/4	2,773.67	3/4	2,476.10	3/4	2,178.56	3/4	1,881.00	3/4	1,583.69
10		10	3,802.54	10	3,548.02	10	3,293.50	10	3,038.98	10	2,767.47	10	2,469.91	10	2,172.36	10	1,874.80	10	1,577.51
1/4		1/4	3,797.24	1/4	3,542.72	1/4	3,288.20	1/4	3,033.68	1/4	2,761.27	1/4	2,463.71	1/4	2,166.16	1/4	1,868.60	1/4	1,571.32
1/2		1/2	3,791.93	1/2	3,537.41	1/2	3,282.89	1/2	3,028.37	1/2	2,755.07	1/2	2,457.51	1/2	2,159.96	1/2	1,862.40	1/2	1,565.14
3/4		3/4	3,786.63	3/4	3,532.11	3/4	3,277.59	3/4	3,023.07	3/4	2,748.87	3/4	2,451.31	3/4	2,153.76	3/4	1,856.20	3/4	1,558.95
11		11	3,781.33	11	3,526.81	11	3,272.29	11	3,017.77	11	2,742.67	11	2,445.11	11	2,147.56	11	1,850.00	11	1,552.77
1/4		1/4	3,776.03	1/4	3,521.51	1/4	3,266.99	1/4	3,012.47	1/4	2,736.47	1/4	2,438.91	1/4	2,141.36	1/4	1,843.80	1/4	1,546.58
1/2		1/2	3,770.72	1/2	3,516.20	1/2	3,261.68	1/2	3,007.16	1/2	2,730.27	1/2	2,432.71	1/2	2,135.16	1/2	1,837.60	1/2	1,540.40
3/4		3/4	3,765.42	3/4	3,510.90	3/4	3,256.38	3/4	3,001.86	3/4	2,724.07	3/4	2,426.51	3/4	2,128.97	3/4	1,831.40	3/4	1,534.21

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 1091"

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	1,528.03	0	1,230.76	0	933.79	0	641.85	0	344.27	0	47.82	0		0		0		0	
1/4	1,521.84	1/4	1,224.57	1/4	927.74	1/4	635.65	1/4	338.07	1/4	42.19	1/4		1/4		1/4		1/4	
1/2	1,515.66	1/2	1,218.37	1/2	921.69	1/2	629.45	1/2	331.87	1/2	36.57	1/2		1/2		1/2		1/2	
3/4	1,509.47	3/4	1,212.17	3/4	915.64	3/4	623.25	3/4	325.67	3/4	30.94	3/4		3/4		3/4		3/4	
1	1,503.29	1	1,205.98	1	909.60	1	617.05	1	319.47	1	26.81	1		1		1		1	
1/4	1,497.10	1/4	1,199.78	1/4	903.55	1/4	610.85	1/4	313.27	1/4	22.67	1/4		1/4		1/4		1/4	
1/2	1,490.92	1/2	1,193.58	1/2	897.50	1/2	604.65	1/2	307.07	1/2	18.54	1/2		1/2		1/2		1/2	
3/4	1,484.73	3/4	1,187.39	3/4	891.46	3/4	598.45	3/4	300.87	3/4	14.40	3/4		3/4		3/4		3/4	
2	1,478.55	2	1,181.19	2	885.41	2	592.25	2	294.68	2	12.33	2		2		2		2	
1/4	1,472.37	1/4	1,175.00	1/4	879.36	1/4	586.05	1/4	288.48	1/4	10.26	1/4		1/4		1/4		1/4	
1/2	1,466.18	1/2	1,168.80	1/2	873.31	1/2	579.85	1/2	282.28	1/2	8.19	1/2		1/2		1/2		1/2	
3/4	1,460.00	3/4	1,162.60	3/4	867.27	3/4	573.65	3/4	276.08	3/4	6.12	3/4		3/4		3/4		3/4	
3	1,453.81	3	1,156.41	3	861.22	3	567.45	3	269.88	3		3		3		3		3	
1/4	1,447.62	1/4	1,150.21	1/4	855.17	1/4	561.25	1/4	263.68	1/4		1/4		1/4		1/4		1/4	
1/2	1,441.43	1/2	1,144.01	1/2	849.13	1/2	555.06	1/2	257.48	1/2		1/2		1/2		1/2		1/2	
3/4	1,435.24	3/4	1,137.82	3/4	843.08	3/4	548.86	3/4	251.28	3/4		3/4		3/4		3/4		3/4	
4	1,429.04	4	1,131.62	4	837.03	4	542.66	4	245.07	4		4		4		4		4	
1/4	1,422.84	1/4	1,125.43	1/4	830.98	1/4	536.46	1/4	238.87	1/4		1/4		1/4		1/4		1/4	
1/2	1,416.65	1/2	1,119.23	1/2	824.94	1/2	530.26	1/2	232.67	1/2		1/2		1/2		1/2		1/2	
3/4	1,410.45	3/4	1,113.03	3/4	818.89	3/4	524.06	3/4	226.47	3/4		3/4		3/4		3/4		3/4	
5	1,404.26	5	1,106.84	5	812.84	5	517.86	5	220.26	5		5		5		5		5	
1/4	1,398.06	1/4	1,100.64	1/4	806.79	1/4	511.66	1/4	214.05	1/4		1/4		1/4		1/4		1/4	
1/2	1,391.86	1/2	1,094.45	1/2	800.75	1/2	505.46	1/2	207.85	1/2		1/2		1/2		1/2		1/2	
3/4	1,385.67	3/4	1,088.25	3/4	794.70	3/4	499.26	3/4	201.64	3/4		3/4		3/4		3/4		3/4	
6	1,379.47	6	1,082.05	6	788.65	6	493.06	6	195.44	6		6		6		6		6	
1/4	1,373.27	1/4	1,075.86	1/4	782.61	1/4	486.86	1/4	189.24	1/4		1/4		1/4		1/4		1/4	
1/2	1,367.08	1/2	1,069.66	1/2	776.56	1/2	480.66	1/2	183.03	1/2		1/2		1/2		1/2		1/2	
3/4	1,360.88	3/4	1,063.46	3/4	770.51	3/4	474.46	3/4	176.83	3/4		3/4		3/4		3/4		3/4	
7	1,354.69	7	1,057.27	7	764.46	7	468.26	7	170.63	7		7		7		7		7	
1/4	1,348.49	1/4	1,051.07	1/4	758.42	1/4	462.06	1/4	164.43	1/4		1/4		1/4		1/4		1/4	
1/2	1,342.29	1/2	1,044.88	1/2	752.37	1/2	455.86	1/2	158.23	1/2		1/2		1/2		1/2		1/2	
3/4	1,336.10	3/4	1,038.68	3/4	746.32	3/4	449.66	3/4	152.03	3/4		3/4		3/4		3/4		3/4	
8	1,329.90	8	1,032.48	8	740.28	8	443.46	8	145.83	8		8		8		8		8	
1/4	1,323.70	1/4	1,026.29	1/4	734.23	1/4	437.26	1/4	139.63	1/4		1/4		1/4		1/4		1/4	
1/2	1,317.51	1/2	1,020.09	1/2	728.18	1/2	431.07	1/2	133.44	1/2		1/2		1/2		1/2		1/2	
3/4	1,311.31	3/4	1,013.89	3/4	722.13	3/4	424.87	3/4	127.24	3/4		3/4		3/4		3/4		3/4	
9	1,305.12	9	1,007.70	9	716.01	9	418.67	9	121.06	9		9		9		9		9	
1/4	1,298.92	1/4	1,001.50	1/4	709.89	1/4	412.47	1/4	114.88	1/4		1/4		1/4		1/4		1/4	
1/2	1,292.72	1/2	995.31	1/2	703.77	1/2	406.27	1/2	108.70	1/2		1/2		1/2		1/2		1/2	
3/4	1,286.53	3/4	989.11	3/4	697.64	3/4	400.07	3/4	102.51	3/4		3/4		3/4		3/4		3/4	
10	1,280.33	10	982.91	10	691.44	10	393.87	10	96.36	10		10		10		10		10	
1/4	1,274.13	1/4	976.72	1/4	685.24	1/4	387.67	1/4	90.20	1/4		1/4		1/4		1/4		1/4	
1/2	1,267.94	1/2	970.52	1/2	679.05	1/2	381.47	1/2	84.05	1/2		1/2		1/2		1/2		1/2	
3/4	1,261.74	3/4	964.32	3/4	672.85	3/4	375.27	3/4	77.89	3/4		3/4		3/4		3/4		3/4	
11	1,255.55	11	958.20	11	666.65	11	369.07	11	71.78	11		11		11		11		11	
1/4	1,249.35	1/4	952.08	1/4	660.45	1/4	362.87	1/4	65.67	1/4		1/4		1/4		1/4		1/4	
1/2	1,243.15	1/2	945.96	1/2	654.25	1/2	356.67	1/2	59.56	1/2		1/2		1/2		1/2		1/2	
3/4	1,236.96	3/4	939.84	3/4	648.05	3/4	350.47	3/4	53.44	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2017

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



BARGE "IB 1091"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-03 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	3,478.22	0	3,214.40	0	2,950.58	0	2,686.76	0	2,422.95	0	2,159.13	0	1,895.31	0	1,631.49
1/4		1/4		1/4	3,472.72	1/4	3,208.90	1/4	2,945.08	1/4	2,681.27	1/4	2,417.45	1/4	2,153.63	1/4	1,889.81	1/4	1,626.00
1/2		1/2		1/2	3,467.22	1/2	3,203.41	1/2	2,939.59	1/2	2,675.77	1/2	2,411.95	1/2	2,148.14	1/2	1,884.32	1/2	1,620.50
3/4		3/4		3/4	3,461.73	3/4	3,197.91	3/4	2,934.09	3/4	2,670.27	3/4	2,406.46	3/4	2,142.64	3/4	1,878.82	3/4	1,615.00
1		1		1	3,456.23	1	3,192.41	1	2,928.60	1	2,664.78	1	2,400.96	1	2,137.14	1	1,873.33	1	1,609.51
1/4		1/4		1/4	3,450.73	1/4	3,186.92	1/4	2,923.10	1/4	2,659.28	1/4	2,395.46	1/4	2,131.65	1/4	1,867.83	1/4	1,604.01
1/2		1/2	3,689.36	1/2	3,445.24	1/2	3,181.42	1/2	2,917.60	1/2	2,653.79	1/2	2,389.97	1/2	2,126.15	1/2	1,862.33	1/2	1,598.52
3/4		3/4	3,687.07	3/4	3,439.74	3/4	3,175.92	3/4	2,912.11	3/4	2,648.29	3/4	2,384.47	3/4	2,120.65	3/4	1,856.84	3/4	1,593.02
2		2	3,684.78	2	3,434.25	2	3,170.43	2	2,906.61	2	2,642.79	2	2,378.98	2	2,115.16	2	1,851.34	2	1,587.52
1/4		1/4	3,682.49	1/4	3,428.75	1/4	3,164.93	1/4	2,901.11	1/4	2,637.30	1/4	2,373.48	1/4	2,109.66	1/4	1,845.84	1/4	1,582.03
1/2		1/2	3,680.20	1/2	3,423.25	1/2	3,159.44	1/2	2,895.62	1/2	2,631.80	1/2	2,367.98	1/2	2,104.17	1/2	1,840.35	1/2	1,576.53
3/4		3/4	3,676.12	3/4	3,417.76	3/4	3,153.94	3/4	2,890.12	3/4	2,626.30	3/4	2,362.49	3/4	2,098.67	3/4	1,834.85	3/4	1,571.03
3		3	3,672.03	3	3,412.26	3	3,148.44	3	2,884.63	3	2,620.81	3	2,356.99	3	2,093.17	3	1,829.36	3	1,565.54
1/4		1/4	3,667.95	1/4	3,406.77	1/4	3,142.95	1/4	2,879.13	1/4	2,615.31	1/4	2,351.49	1/4	2,087.68	1/4	1,823.86	1/4	1,560.04
1/2		1/2	3,663.86	1/2	3,401.27	1/2	3,137.45	1/2	2,873.63	1/2	2,609.82	1/2	2,346.00	1/2	2,082.18	1/2	1,818.36	1/2	1,554.55
3/4		3/4	3,658.65	3/4	3,395.77	3/4	3,131.96	3/4	2,868.14	3/4	2,604.32	3/4	2,340.50	3/4	2,076.68	3/4	1,812.87	3/4	1,549.05
4		4	3,653.44	4	3,390.28	4	3,126.46	4	2,862.64	4	2,598.82	4	2,335.01	4	2,071.19	4	1,807.37	4	1,543.55
1/4		1/4	3,648.22	1/4	3,384.78	1/4	3,120.96	1/4	2,857.14	1/4	2,593.33	1/4	2,329.51	1/4	2,065.69	1/4	1,801.87	1/4	1,538.06
1/2		1/2	3,643.01	1/2	3,379.28	1/2	3,115.47	1/2	2,851.65	1/2	2,587.83	1/2	2,324.01	1/2	2,060.20	1/2	1,796.38	1/2	1,532.56
3/4		3/4	3,637.54	3/4	3,373.79	3/4	3,109.97	3/4	2,846.15	3/4	2,582.33	3/4	2,318.52	3/4	2,054.70	3/4	1,790.88	3/4	1,527.06
5		5	3,632.06	5	3,368.29	5	3,104.47	5	2,840.66	5	2,576.84	5	2,313.02	5	2,049.20	5	1,785.39	5	1,521.57
1/4		1/4	3,626.58	1/4	3,362.80	1/4	3,098.98	1/4	2,835.16	1/4	2,571.34	1/4	2,307.52	1/4	2,043.71	1/4	1,779.89	1/4	1,516.07
1/2		1/2	3,621.11	1/2	3,357.30	1/2	3,093.48	1/2	2,829.66	1/2	2,565.85	1/2	2,302.03	1/2	2,038.21	1/2	1,774.39	1/2	1,510.58
3/4		3/4	3,615.62	3/4	3,351.80	3/4	3,087.99	3/4	2,824.17	3/4	2,560.35	3/4	2,296.53	3/4	2,032.71	3/4	1,768.90	3/4	1,505.08
6		6	3,610.13	6	3,346.31	6	3,082.49	6	2,818.67	6	2,554.85	6	2,291.04	6	2,027.22	6	1,763.40	6	1,499.58
1/4		1/4	3,604.63	1/4	3,340.81	1/4	3,076.99	1/4	2,813.18	1/4	2,549.36	1/4	2,285.54	1/4	2,021.72	1/4	1,757.90	1/4	1,494.09
1/2		1/2	3,599.14	1/2	3,335.31	1/2	3,071.50	1/2	2,807.68	1/2	2,543.86	1/2	2,280.04	1/2	2,016.23	1/2	1,752.41	1/2	1,488.59
3/4		3/4	3,593.64	3/4	3,329.82	3/4	3,066.00	3/4	2,802.18	3/4	2,538.37	3/4	2,274.55	3/4	2,010.73	3/4	1,746.91	3/4	1,483.09
7		7	3,588.15	7	3,324.32	7	3,060.50	7	2,796.69	7	2,532.87	7	2,269.05	7	2,005.23	7	1,741.42	7	1,477.60
1/4		1/4	3,582.65	1/4	3,318.83	1/4	3,055.01	1/4	2,791.19	1/4	2,527.37	1/4	2,263.56	1/4	1,999.74	1/4	1,735.92	1/4	1,472.10
1/2		1/2	3,577.15	1/2	3,313.33	1/2	3,049.51	1/2	2,785.69	1/2	2,521.88	1/2	2,258.06	1/2	1,994.24	1/2	1,730.42	1/2	1,466.61
3/4		3/4	3,571.65	3/4	3,307.83	3/4	3,044.02	3/4	2,780.20	3/4	2,516.38	3/4	2,252.56	3/4	1,988.75	3/4	1,724.93	3/4	1,461.11
8		8	3,566.15	8	3,302.34	8	3,038.52	8	2,774.70	8	2,510.88	8	2,247.07	8	1,983.25	8	1,719.43	8	1,455.61
1/4		1/4	3,560.66	1/4	3,296.84	1/4	3,033.02	1/4	2,769.21	1/4	2,505.39	1/4	2,241.57	1/4	1,977.75	1/4	1,713.94	1/4	1,450.12
1/2		1/2	3,555.16	1/2	3,291.34	1/2	3,027.53	1/2	2,763.71	1/2	2,499.89	1/2	2,236.07	1/2	1,972.26	1/2	1,708.44	1/2	1,444.62
3/4		3/4	3,549.67	3/4	3,285.85	3/4	3,022.03	3/4	2,758.21	3/4	2,494.40	3/4	2,230.58	3/4	1,966.76	3/4	1,702.94	3/4	1,439.13
9		9	3,544.17	9	3,280.35	9	3,016.53	9	2,752.72	9	2,488.90	9	2,225.08	9	1,961.26	9	1,697.45	9	1,433.63
1/4		1/4	3,538.67	1/4	3,274.86	1/4	3,011.04	1/4	2,747.22	1/4	2,483.40	1/4	2,219.59	1/4	1,955.77	1/4	1,691.95	1/4	1,428.13
1/2		1/2	3,533.18	1/2	3,269.36	1/2	3,005.54	1/2	2,741.72	1/2	2,477.91	1/2	2,214.09	1/2	1,950.27	1/2	1,686.45	1/2	1,422.64
3/4		3/4	3,527.68	3/4	3,263.86	3/4	3,000.05	3/4	2,736.23	3/4	2,472.41	3/4	2,208.59	3/4	1,944.78	3/4	1,680.96	3/4	1,417.14
10		10	3,522.19	10	3,258.37	10	2,994.55	10	2,730.73	10	2,466.91	10	2,203.10	10	1,939.28	10	1,675.46	10	1,411.64
1/4		1/4	3,516.69	1/4	3,252.87	1/4	2,989.05	1/4	2,725.24	1/4	2,461.42	1/4	2,197.60	1/4	1,933.78	1/4	1,669.97	1/4	1,406.15
1/2		1/2	3,511.19	1/2	3,247.38	1/2	2,983.56	1/2	2,719.74	1/2	2,455.92	1/2	2,192.10	1/2	1,928.29	1/2	1,664.47	1/2	1,400.65
3/4		3/4	3,505.70	3/4	3,241.88	3/4	2,978.06	3/4	2,714.24	3/4	2,450.43	3/4	2,186.61	3/4	1,922.79	3/4	1,658.97	3/4	1,395.16
11		11	3,500.20	11	3,236.38	11	2,972.57	11	2,708.75	11	2,444.93	11	2,181.11	11	1,917.29	11	1,653.48	11	1,389.66
1/4		1/4	3,494.70	1/4	3,230.89	1/4	2,967.07	1/4	2,703.25	1/4	2,439.43	1/4	2,175.62	1/4	1,911.80	1/4	1,647.98	1/4	1,384.16
1/2		1/2	3,489.21	1/2	3,225.39	1/2	2,961.57	1/2	2,697.76	1/2	2,433.94	1/2	2,170.12	1/2	1,906.30	1/2	1,642.48	1/2	1,378.67
3/4		3/4	3,483.71	3/4	3,219.89	3/4	2,956.08	3/4	2,692.26	3/4	2,428.44	3/4	2,164.62	3/4	1,900.81	3/4	1,636.99	3/4	1,373.17

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 1091"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-03 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	1,367.67	0	1,103.86	0	840.19	0	582.23	0	318.42	0	55.15	0		0		0		0	
1/4	1,362.18	1/4	1,098.36	1/4	834.77	1/4	576.73	1/4	312.93	1/4	49.75	1/4		1/4		1/4		1/4	
1/2	1,356.68	1/2	1,092.86	1/2	829.35	1/2	571.24	1/2	307.43	1/2	44.34	1/2		1/2		1/2		1/2	
3/4	1,351.19	3/4	1,087.37	3/4	824.00	3/4	565.74	3/4	301.93	3/4	39.36	3/4		3/4		3/4		3/4	
1	1,345.69	1	1,081.87	1	818.65	1	560.25	1	296.44	1	34.38	1		1		1		1	
1/4	1,340.19	1/4	1,076.38	1/4	813.30	1/4	554.75	1/4	290.94	1/4	29.41	1/4		1/4		1/4		1/4	
1/2	1,334.70	1/2	1,070.88	1/2	807.96	1/2	549.25	1/2	285.45	1/2	24.43	1/2		1/2		1/2		1/2	
3/4	1,329.20	3/4	1,065.38	3/4	802.61	3/4	543.76	3/4	279.95	3/4	20.77	3/4		3/4		3/4		3/4	
2	1,323.71	2	1,059.89	2	797.26	2	538.26	2	274.45	2	17.11	2		2		2		2	
1/4	1,318.21	1/4	1,054.39	1/4	791.92	1/4	532.77	1/4	268.96	1/4	13.45	1/4		1/4		1/4		1/4	
1/2	1,312.71	1/2	1,048.90	1/2	786.57	1/2	527.27	1/2	263.46	1/2	9.79	1/2		1/2		1/2		1/2	
3/4	1,307.22	3/4	1,043.40	3/4	781.22	3/4	521.77	3/4	257.97	3/4	7.96	3/4		3/4		3/4		3/4	
3	1,301.72	3	1,037.90	3	775.88	3	516.28	3	252.47	3	6.13	3		3		3		3	
1/4	1,296.22	1/4	1,032.41	1/4	770.53	1/4	510.78	1/4	246.97	1/4	4.29	1/4		1/4		1/4		1/4	
1/2	1,290.73	1/2	1,026.91	1/2	765.19	1/2	505.29	1/2	241.48	1/2	2.46	1/2		1/2		1/2		1/2	
3/4	1,285.23	3/4	1,021.41	3/4	759.84	3/4	499.79	3/4	235.98	3/4		3/4		3/4		3/4		3/4	
4	1,279.74	4	1,015.92	4	754.50	4	494.29	4	230.49	4		4		4		4		4	
1/4	1,274.24	1/4	1,010.42	1/4	749.15	1/4	488.80	1/4	224.99	1/4		1/4		1/4		1/4		1/4	
1/2	1,268.74	1/2	1,004.93	1/2	743.80	1/2	483.30	1/2	219.49	1/2		1/2		1/2		1/2		1/2	
3/4	1,263.25	3/4	999.43	3/4	738.46	3/4	477.81	3/4	214.00	3/4		3/4		3/4		3/4		3/4	
5	1,257.75	5	993.93	5	733.11	5	472.31	5	208.50	5		5		5		5		5	
1/4	1,252.25	1/4	988.44	1/4	727.77	1/4	466.81	1/4	203.01	1/4		1/4		1/4		1/4		1/4	
1/2	1,246.76	1/2	982.94	1/2	722.42	1/2	461.32	1/2	197.51	1/2		1/2		1/2		1/2		1/2	
3/4	1,241.26	3/4	977.44	3/4	717.08	3/4	455.82	3/4	192.01	3/4		3/4		3/4		3/4		3/4	
6	1,235.77	6	971.95	6	711.73	6	450.33	6	186.52	6		6		6		6		6	
1/4	1,230.27	1/4	966.45	1/4	706.38	1/4	444.83	1/4	181.02	1/4		1/4		1/4		1/4		1/4	
1/2	1,224.77	1/2	960.96	1/2	701.04	1/2	439.33	1/2	175.53	1/2		1/2		1/2		1/2		1/2	
3/4	1,219.28	3/4	955.46	3/4	695.69	3/4	433.84	3/4	170.03	3/4		3/4		3/4		3/4		3/4	
7	1,213.78	7	949.96	7	690.35	7	428.34	7	164.54	7		7		7		7		7	
1/4	1,208.28	1/4	944.47	1/4	685.00	1/4	422.85	1/4	159.04	1/4		1/4		1/4		1/4		1/4	
1/2	1,202.79	1/2	938.97	1/2	679.66	1/2	417.35	1/2	153.55	1/2		1/2		1/2		1/2		1/2	
3/4	1,197.29	3/4	933.47	3/4	674.31	3/4	411.85	3/4	148.05	3/4		3/4		3/4		3/4		3/4	
8	1,191.80	8	927.98	8	668.96	8	406.36	8	142.56	8		8		8		8		8	
1/4	1,186.30	1/4	922.48	1/4	663.62	1/4	400.86	1/4	137.07	1/4		1/4		1/4		1/4		1/4	
1/2	1,180.80	1/2	916.99	1/2	658.27	1/2	395.37	1/2	131.58	1/2		1/2		1/2		1/2		1/2	
3/4	1,175.31	3/4	911.49	3/4	652.93	3/4	389.87	3/4	126.09	3/4		3/4		3/4		3/4		3/4	
9	1,169.81	9	905.99	9	647.58	9	384.37	9	120.61	9		9		9		9		9	
1/4	1,164.32	1/4	900.50	1/4	642.24	1/4	378.88	1/4	115.12	1/4		1/4		1/4		1/4		1/4	
1/2	1,158.82	1/2	895.00	1/2	636.89	1/2	373.38	1/2	109.64	1/2		1/2		1/2		1/2		1/2	
3/4	1,153.32	3/4	889.51	3/4	631.47	3/4	367.89	3/4	104.17	3/4		3/4		3/4		3/4		3/4	
10	1,147.83	10	884.01	10	626.05	10	362.39	10	98.70	10		10		10		10		10	
1/4	1,142.33	1/4	878.51	1/4	620.63	1/4	356.89	1/4	93.23	1/4		1/4		1/4		1/4		1/4	
1/2	1,136.83	1/2	873.02	1/2	615.21	1/2	351.40	1/2	87.76	1/2		1/2		1/2		1/2		1/2	
3/4	1,131.34	3/4	867.52	3/4	609.71	3/4	345.90	3/4	82.31	3/4		3/4		3/4		3/4		3/4	
11	1,125.84	11	862.02	11	604.21	11	340.41	11	76.86	11		11		11		11		11	
1/4	1,120.35	1/4	856.53	1/4	598.72	1/4	334.91	1/4	71.42	1/4		1/4		1/4		1/4		1/4	
1/2	1,114.85	1/2	851.03	1/2	593.22	1/2	329.41	1/2	65.97	1/2		1/2		1/2		1/2		1/2	
3/4	1,109.35	3/4	845.61	3/4	587.73	3/4	323.92	3/4	60.56	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2017

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



BARGE "IB 1091"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-03 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	3,448.24	0	3,186.70	0	2,925.16	0	2,663.63	0	2,402.09	0	2,140.55	0	1,879.01	0	1,617.47
1/4		1/4		1/4	3,442.79	1/4	3,181.25	1/4	2,919.71	1/4	2,658.18	1/4	2,396.64	1/4	2,135.10	1/4	1,873.56	1/4	1,612.03
1/2		1/2		1/2	3,437.34	1/2	3,175.80	1/2	2,914.27	1/2	2,652.73	1/2	2,391.19	1/2	2,129.65	1/2	1,868.11	1/2	1,606.58
3/4		3/4		3/4	3,431.89	3/4	3,170.35	3/4	2,908.82	3/4	2,647.28	3/4	2,385.74	3/4	2,124.20	3/4	1,862.67	3/4	1,601.13
1		1		1	3,426.44	1	3,164.91	1	2,903.37	1	2,641.83	1	2,380.29	1	2,118.76	1	1,857.22	1	1,595.68
1/4		1/4	3,662.99	1/4	3,420.99	1/4	3,159.46	1/4	2,897.92	1/4	2,636.38	1/4	2,374.84	1/4	2,113.31	1/4	1,851.77	1/4	1,590.23
1/2		1/2	3,660.72	1/2	3,415.55	1/2	3,154.01	1/2	2,892.47	1/2	2,630.93	1/2	2,369.40	1/2	2,107.86	1/2	1,846.32	1/2	1,584.78
3/4		3/4	3,658.45	3/4	3,410.10	3/4	3,148.56	3/4	2,887.02	3/4	2,625.48	3/4	2,363.95	3/4	2,102.41	3/4	1,840.87	3/4	1,579.33
2		2	3,656.18	2	3,404.65	2	3,143.11	2	2,881.57	2	2,620.04	2	2,358.50	2	2,096.96	2	1,835.42	2	1,573.89
1/4		1/4	3,653.91	1/4	3,399.20	1/4	3,137.66	1/4	2,876.12	1/4	2,614.59	1/4	2,353.05	1/4	2,091.51	1/4	1,829.97	1/4	1,568.44
1/2		1/2	3,649.86	1/2	3,393.75	1/2	3,132.21	1/2	2,870.68	1/2	2,609.14	1/2	2,347.60	1/2	2,086.06	1/2	1,824.53	1/2	1,562.99
3/4		3/4	3,645.81	3/4	3,388.30	3/4	3,126.76	3/4	2,865.23	3/4	2,603.69	3/4	2,342.15	3/4	2,080.61	3/4	1,819.08	3/4	1,557.54
3		3	3,641.76	3	3,382.85	3	3,121.32	3	2,859.78	3	2,598.24	3	2,335.70	3	2,075.17	3	1,813.63	3	1,552.09
1/4		1/4	3,637.71	1/4	3,377.40	1/4	3,115.87	1/4	2,854.33	1/4	2,592.79	1/4	2,331.25	1/4	2,069.72	1/4	1,808.18	1/4	1,546.64
1/2		1/2	3,632.55	1/2	3,371.96	1/2	3,110.42	1/2	2,848.88	1/2	2,587.34	1/2	2,325.81	1/2	2,064.27	1/2	1,802.73	1/2	1,541.19
3/4		3/4	3,627.38	3/4	3,366.51	3/4	3,104.97	3/4	2,843.43	3/4	2,581.89	3/4	2,320.36	3/4	2,058.82	3/4	1,797.28	3/4	1,535.74
4		4	3,622.21	4	3,361.06	4	3,099.52	4	2,837.98	4	2,576.45	4	2,314.91	4	2,053.37	4	1,791.83	4	1,530.30
1/4		1/4	3,617.04	1/4	3,355.61	1/4	3,094.07	1/4	2,832.53	1/4	2,571.00	1/4	2,309.46	1/4	2,047.92	1/4	1,786.38	1/4	1,524.85
1/2		1/2	3,611.61	1/2	3,350.16	1/2	3,088.62	1/2	2,827.09	1/2	2,565.55	1/2	2,304.01	1/2	2,042.47	1/2	1,780.94	1/2	1,519.40
3/4		3/4	3,606.19	3/4	3,344.71	3/4	3,083.18	3/4	2,821.64	3/4	2,560.10	3/4	2,298.56	3/4	2,037.02	3/4	1,775.49	3/4	1,513.95
5		5	3,600.76	5	3,339.26	5	3,077.73	5	2,816.19	5	2,554.65	5	2,293.11	5	2,031.58	5	1,770.04	5	1,508.50
1/4		1/4	3,595.33	1/4	3,333.82	1/4	3,072.28	1/4	2,810.74	1/4	2,549.20	1/4	2,287.66	1/4	2,026.13	1/4	1,764.59	1/4	1,503.05
1/2		1/2	3,589.89	1/2	3,328.37	1/2	3,066.83	1/2	2,805.29	1/2	2,543.75	1/2	2,282.22	1/2	2,020.68	1/2	1,759.14	1/2	1,497.60
3/4		3/4	3,584.44	3/4	3,322.92	3/4	3,061.38	3/4	2,799.84	3/4	2,538.31	3/4	2,276.77	3/4	2,015.23	3/4	1,753.69	3/4	1,492.15
6		6	3,579.00	6	3,317.47	6	3,055.93	6	2,794.39	6	2,532.86	6	2,271.32	6	2,009.78	6	1,748.24	6	1,486.71
1/4		1/4	3,573.55	1/4	3,312.02	1/4	3,050.48	1/4	2,788.95	1/4	2,527.41	1/4	2,265.87	1/4	2,004.33	1/4	1,742.79	1/4	1,481.26
1/2		1/2	3,568.11	1/2	3,306.57	1/2	3,045.03	1/2	2,783.50	1/2	2,521.96	1/2	2,260.42	1/2	1,998.88	1/2	1,737.35	1/2	1,475.81
3/4		3/4	3,562.66	3/4	3,301.12	3/4	3,039.59	3/4	2,778.05	3/4	2,516.51	3/4	2,254.97	3/4	1,993.44	3/4	1,731.90	3/4	1,470.36
7		7	3,557.21	7	3,295.67	7	3,034.14	7	2,772.60	7	2,511.06	7	2,249.52	7	1,987.99	7	1,726.45	7	1,464.91
1/4		1/4	3,551.76	1/4	3,290.23	1/4	3,028.69	1/4	2,767.15	1/4	2,505.61	1/4	2,244.08	1/4	1,982.54	1/4	1,721.00	1/4	1,459.46
1/2		1/2	3,546.31	1/2	3,284.78	1/2	3,023.24	1/2	2,761.70	1/2	2,500.16	1/2	2,238.63	1/2	1,977.09	1/2	1,715.55	1/2	1,454.01
3/4		3/4	3,540.87	3/4	3,279.33	3/4	3,017.79	3/4	2,756.25	3/4	2,494.72	3/4	2,233.18	3/4	1,971.64	3/4	1,710.10	3/4	1,448.57
8		8	3,535.42	8	3,273.88	8	3,012.34	8	2,750.80	8	2,489.27	8	2,227.73	8	1,966.19	8	1,704.65	8	1,443.12
1/4		1/4	3,529.97	1/4	3,268.43	1/4	3,006.89	1/4	2,745.36	1/4	2,483.82	1/4	2,222.28	1/4	1,960.74	1/4	1,699.21	1/4	1,437.67
1/2		1/2	3,524.52	1/2	3,262.98	1/2	3,001.44	1/2	2,739.91	1/2	2,478.37	1/2	2,216.83	1/2	1,955.29	1/2	1,693.76	1/2	1,432.22
3/4		3/4	3,519.07	3/4	3,257.53	3/4	2,996.00	3/4	2,734.46	3/4	2,472.92	3/4	2,211.38	3/4	1,949.85	3/4	1,688.31	3/4	1,426.77
9		9	3,513.62	9	3,252.08	9	2,990.55	9	2,729.01	9	2,467.47	9	2,205.93	9	1,944.40	9	1,682.86	9	1,421.32
1/4		1/4	3,508.17	1/4	3,246.64	1/4	2,985.10	1/4	2,723.56	1/4	2,462.02	1/4	2,200.49	1/4	1,938.95	1/4	1,677.41	1/4	1,415.87
1/2		1/2	3,502.72	1/2	3,241.19	1/2	2,979.65	1/2	2,718.11	1/2	2,456.57	1/2	2,195.04	1/2	1,933.50	1/2	1,671.96	1/2	1,410.42
3/4		3/4	3,497.28	3/4	3,235.74	3/4	2,974.20	3/4	2,712.66	3/4	2,451.13	3/4	2,189.59	3/4	1,928.05	3/4	1,666.51	3/4	1,404.98
10		10	3,491.83	10	3,230.29	10	2,968.75	10	2,707.21	10	2,445.68	10	2,184.14	10	1,922.60	10	1,661.06	10	1,399.53
1/4		1/4	3,486.38	1/4	3,224.84	1/4	2,963.30	1/4	2,701.77	1/4	2,440.23	1/4	2,178.69	1/4	1,917.15	1/4	1,655.62	1/4	1,394.08
1/2		1/2	3,480.93	1/2	3,219.39	1/2	2,957.85	1/2	2,696.32	1/2	2,434.78	1/2	2,173.24	1/2	1,911.70	1/2	1,650.17	1/2	1,388.63
3/4		3/4	3,475.48	3/4	3,213.94	3/4	2,952.41	3/4	2,690.87	3/4	2,429.33	3/4	2,167.79	3/4	1,906.26	3/4	1,644.72	3/4	1,383.18
11		11	3,470.03	11	3,208.50	11	2,946.96	11	2,685.42	11	2,423.88	11	2,162.34	11	1,900.81	11	1,639.27	11	1,377.73
1/4		1/4	3,464.58	1/4	3,203.05	1/4	2,941.51	1/4	2,679.97	1/4	2,418.43	1/4	2,156.90	1/4	1,895.36	1/4	1,633.82	1/4	1,372.28
1/2		1/2	3,459.14	1/2	3,197.60	1/2	2,936.06	1/2	2,674.52	1/2	2,412.98	1/2	2,151.45	1/2	1,889.91	1/2	1,628.37	1/2	1,366.83
3/4		3/4	3,453.69	3/4	3,192.15	3/4	2,930.61	3/4	2,669.07	3/4	2,407.54	3/4	2,146.00	3/4	1,884.46	3/4	1,622.92	3/4	1,361.39

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 1091"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-03 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	1,350.49	1/4	1,088.95	1/4	827.43	1/4	566.30	1/4	304.77	1/4	43.96	1/4		1/4		1/4		1/4		1/4	
1/2	1,345.04	1/2	1,083.50	1/2	821.99	1/2	560.85	1/2	299.33	1/2	39.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,339.59	3/4	1,078.05	3/4	816.55	3/4	555.40	3/4	293.88	3/4	34.09	3/4		3/4		3/4		3/4		3/4	
1	1,334.14	1	1,072.60	1	811.11	1	549.96	1	288.43	1	29.15	1		1		1		1		1	
1/4	1,328.69	1/4	1,067.16	1/4	805.67	1/4	544.51	1/4	282.98	1/4	24.22	1/4		1/4		1/4		1/4		1/4	
1/2	1,323.24	1/2	1,061.71	1/2	800.24	1/2	539.06	1/2	277.53	1/2	20.59	1/2		1/2		1/2		1/2		1/2	
3/4	1,317.80	3/4	1,056.26	3/4	794.80	3/4	533.61	3/4	272.08	3/4	16.96	3/4		3/4		3/4		3/4		3/4	
2	1,312.35	2	1,050.81	2	789.36	2	528.16	2	266.63	2	13.33	2		2		2		2		2	
1/4	1,306.90	1/4	1,045.36	1/4	783.92	1/4	522.71	1/4	261.19	1/4	9.71	1/4		1/4		1/4		1/4		1/4	
1/2	1,301.45	1/2	1,039.91	1/2	778.48	1/2	517.27	1/2	255.74	1/2	7.89	1/2		1/2		1/2		1/2		1/2	
3/4	1,296.00	3/4	1,034.46	3/4	773.04	3/4	511.82	3/4	250.29	3/4	6.07	3/4		3/4		3/4		3/4		3/4	
3	1,290.55	3	1,029.02	3	767.61	3	506.37	3	244.84	3	4.26	3		3		3		3		3	
1/4	1,285.10	1/4	1,023.57	1/4	762.17	1/4	500.92	1/4	239.39	1/4	2.44	1/4		1/4		1/4		1/4		1/4	
1/2	1,279.66	1/2	1,018.12	1/2	756.73	1/2	495.47	1/2	233.94	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,274.21	3/4	1,012.67	3/4	751.29	3/4	490.02	3/4	228.49	3/4		3/4		3/4		3/4		3/4		3/4	
4	1,268.76	4	1,007.22	4	745.85	4	484.57	4	223.05	4		4		4		4		4		4	
1/4	1,263.31	1/4	1,001.77	1/4	740.42	1/4	479.13	1/4	217.60	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,257.86	1/2	996.32	1/2	734.98	1/2	473.68	1/2	212.15	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,252.41	3/4	990.87	3/4	729.54	3/4	468.23	3/4	206.70	3/4		3/4		3/4		3/4		3/4		3/4	
5	1,246.96	5	985.43	5	724.10	5	462.78	5	201.25	5		5		5		5		5		5	
1/4	1,241.51	1/4	979.98	1/4	718.67	1/4	457.33	1/4	195.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,236.07	1/2	974.53	1/2	713.23	1/2	451.88	1/2	190.36	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,230.62	3/4	969.08	3/4	707.79	3/4	446.43	3/4	184.91	3/4		3/4		3/4		3/4		3/4		3/4	
6	1,225.17	6	963.63	6	702.35	6	440.99	6	179.46	6		6		6		6		6		6	
1/4	1,219.72	1/4	958.18	1/4	696.91	1/4	435.54	1/4	174.01	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,214.27	1/2	952.73	1/2	691.48	1/2	430.09	1/2	168.56	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,208.82	3/4	947.28	3/4	686.04	3/4	424.64	3/4	163.11	3/4		3/4		3/4		3/4		3/4		3/4	
7	1,203.37	7	941.84	7	680.60	7	419.19	7	157.67	7		7		7		7		7		7	
1/4	1,197.92	1/4	936.39	1/4	675.16	1/4	413.74	1/4	152.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,192.48	1/2	930.94	1/2	669.73	1/2	408.30	1/2	146.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,187.03	3/4	925.49	3/4	664.29	3/4	402.85	3/4	141.33	3/4		3/4		3/4		3/4		3/4		3/4	
8	1,181.58	8	920.04	8	658.85	8	397.40	8	135.88	8		8		8		8		8		8	
1/4	1,176.13	1/4	914.59	1/4	653.41	1/4	391.95	1/4	130.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,170.68	1/2	909.14	1/2	647.97	1/2	386.50	1/2	125.00	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,165.23	3/4	903.70	3/4	642.54	3/4	381.05	3/4	119.57	3/4		3/4		3/4		3/4		3/4		3/4	
9	1,159.78	9	898.25	9	637.10	9	375.60	9	114.13	9		9		9		9		9		9	
1/4	1,154.34	1/4	892.80	1/4	631.66	1/4	370.16	1/4	108.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,148.89	1/2	887.35	1/2	626.22	1/2	364.71	1/2	103.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,143.44	3/4	881.90	3/4	620.78	3/4	359.26	3/4	97.84	3/4		3/4		3/4		3/4		3/4		3/4	
10	1,137.99	10	876.45	10	615.33	10	353.81	10	92.42	10		10		10		10		10		10	
1/4	1,132.54	1/4	871.00	1/4	609.89	1/4	348.36	1/4	87.00	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,127.09	1/2	865.55	1/2	604.44	1/2	342.91	1/2	81.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,121.64	3/4	860.11	3/4	598.99	3/4	337.46	3/4	76.20	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,116.19	11	854.66	11	593.54	11	332.02	11	70.80	11		11		11		11		11		11	
1/4	1,110.75	1/4	849.21	1/4	588.10	1/4	326.57	1/4	65.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,105.30	1/2	843.76	1/2	582.65	1/2	321.12	1/2	60.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,099.85	3/4	838.32	3/4	577.20	3/4	315.67	3/4	54.68	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2017

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