

BARGE "B 1981"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

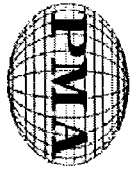
FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

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 3'-11 3/4"

LENGTH BETWEEN DRAFT MARKS: 182'-09"

October 5, 2017

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
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BARGE "IB 1981"

1 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	3,644.08	1/4	3,484.30	1/4	3,298.96	1/4	3,113.63	1/4	2,928.30	1/4	2,742.97	1/4	2,557.64	1/4	2,372.31	1/4	2,186.98	1/4	2,001.65
1/2	3,643.83	1/2	3,480.44	1/2	3,295.10	1/2	3,109.76	1/2	2,924.42	1/2	2,739.08	1/2	2,553.74	1/2	2,368.40	1/2	2,183.06	1/2	1,997.72
3/4	3,642.58	3/4	3,472.72	3/4	3,285.86	3/4	3,100.52	3/4	2,915.18	3/4	2,729.84	3/4	2,544.50	3/4	2,359.16	3/4	2,173.82	3/4	1,988.48
1	3,640.84	1	3,472.72	1	3,285.86	1	3,100.52	1	2,915.18	1	2,729.84	1	2,544.50	1	2,359.16	1	2,173.82	1	1,988.48
1 1/4	3,639.35	1 1/4	3,465.00	1 1/4	3,279.66	1 1/4	3,094.32	1 1/4	2,908.98	1 1/4	2,723.64	1 1/4	2,538.30	1 1/4	2,352.96	1 1/4	2,167.62	1 1/4	1,982.28
1 1/2	3,637.85	1 1/2	3,461.13	1 1/2	3,275.80	1 1/2	3,090.46	1 1/2	2,905.12	1 1/2	2,719.78	1 1/2	2,534.44	1 1/2	2,348.10	1 1/2	2,162.76	1 1/2	1,977.42
1 3/4	3,636.48	1 3/4	3,457.27	1 3/4	3,271.94	1 3/4	3,086.60	1 3/4	2,901.26	1 3/4	2,715.92	1 3/4	2,529.58	1 3/4	2,343.24	1 3/4	2,157.90	1 3/4	1,972.58
2	3,633.74	2	3,453.41	2	3,268.07	2	3,082.74	2	2,897.90	2	2,712.06	2	2,525.22	2	2,339.38	2	2,153.54	2	1,967.70
2 1/4	3,632.36	2 1/4	3,449.55	2 1/4	3,264.21	2 1/4	3,078.88	2 1/4	2,894.39	2 1/4	2,708.55	2 1/4	2,521.81	2 1/4	2,335.97	2 1/4	2,149.13	2 1/4	1,962.86
2 1/2	3,629.08	2 1/2	3,445.69	2 1/2	3,260.35	2 1/2	3,075.01	2 1/2	2,890.52	2 1/2	2,704.68	2 1/2	2,518.04	2 1/2	2,332.13	2 1/2	2,145.29	2 1/2	1,958.02
2 3/4	3,625.81	2 3/4	3,441.83	2 3/4	3,256.49	2 3/4	3,071.15	2 3/4	2,886.66	2 3/4	2,700.82	2 3/4	2,514.20	2 3/4	2,328.29	2 3/4	2,141.45	2 3/4	1,954.18
3	3,622.53	3	3,437.97	3	3,252.63	3	3,067.29	3	2,882.80	3	2,696.96	3	2,510.36	3	2,324.52	3	2,137.68	3	1,949.34
3 1/4	3,619.25	3 1/4	3,434.11	3 1/4	3,248.77	3 1/4	3,063.43	3 1/4	2,879.00	3 1/4	2,693.16	3 1/4	2,506.84	3 1/4	2,320.70	3 1/4	2,133.84	3 1/4	1,944.50
3 1/2	3,615.42	3 1/2	3,430.24	3 1/2	3,244.91	3 1/2	3,059.57	3 1/2	2,875.14	3 1/2	2,689.30	3 1/2	2,503.00	3 1/2	2,316.86	3 1/2	2,129.98	3 1/2	1,940.66
3 3/4	3,611.60	3 3/4	3,426.38	3 3/4	3,241.05	3 3/4	3,055.71	3 3/4	2,871.28	3 3/4	2,685.44	3 3/4	2,500.16	3 3/4	2,313.02	3 3/4	2,126.14	3 3/4	1,936.82
4	3,607.78	4	3,422.52	4	3,237.18	4	3,051.85	4	2,867.42	4	2,681.58	4	2,495.74	4	2,309.18	4	2,122.30	4	1,932.98
4 1/4	3,603.95	4 1/4	3,418.66	4 1/4	3,233.32	4 1/4	3,047.99	4 1/4	2,863.56	4 1/4	2,677.70	4 1/4	2,491.86	4 1/4	2,305.34	4 1/4	2,118.46	4 1/4	1,929.14
4 1/2	3,600.10	4 1/2	3,414.80	4 1/2	3,229.46	4 1/2	3,044.12	4 1/2	2,859.70	4 1/2	2,673.84	4 1/2	2,487.92	4 1/2	2,301.50	4 1/2	2,114.62	4 1/2	1,925.30
4 3/4	3,596.25	4 3/4	3,410.94	4 3/4	3,225.60	4 3/4	3,040.26	4 3/4	2,855.84	4 3/4	2,670.00	4 3/4	2,484.06	4 3/4	2,297.66	4 3/4	2,110.78	4 3/4	1,921.46
5	3,592.40	5	3,407.08	5	3,221.74	5	3,036.40	5	2,852.00	5	2,666.16	5	2,480.32	5	2,293.82	5	2,106.94	5	1,917.62
5 1/4	3,588.55	5 1/4	3,403.22	5 1/4	3,217.88	5 1/4	3,032.54	5 1/4	2,848.14	5 1/4	2,662.30	5 1/4	2,476.46	5 1/4	2,290.00	5 1/4	2,103.10	5 1/4	1,913.78
5 1/2	3,584.69	5 1/2	3,399.35	5 1/2	3,214.02	5 1/2	3,028.68	5 1/2	2,844.28	5 1/2	2,658.44	5 1/2	2,472.60	5 1/2	2,286.16	5 1/2	2,099.26	5 1/2	1,909.94
5 3/4	3,580.83	5 3/4	3,395.49	5 3/4	3,210.16	5 3/4	3,024.82	5 3/4	2,840.42	5 3/4	2,654.58	5 3/4	2,468.74	5 3/4	2,282.30	5 3/4	2,095.42	5 3/4	1,906.10
6	3,576.97	6	3,391.63	6	3,206.29	6	3,020.96	6	2,836.56	6	2,650.70	6	2,464.86	6	2,278.42	6	2,091.58	6	1,902.26
6 1/4	3,573.11	6 1/4	3,387.77	6 1/4	3,202.43	6 1/4	3,017.10	6 1/4	2,832.70	6 1/4	2,646.84	6 1/4	2,461.00	6 1/4	2,274.56	6 1/4	2,087.74	6 1/4	1,898.42
6 1/2	3,569.25	6 1/2	3,383.91	6 1/2	3,198.57	6 1/2	3,013.23	6 1/2	2,828.84	6 1/2	2,642.10	6 1/2	2,457.14	6 1/2	2,270.70	6 1/2	2,083.90	6 1/2	1,894.58
6 3/4	3,565.39	6 3/4	3,380.05	6 3/4	3,194.71	6 3/4	3,009.37	6 3/4	2,824.98	6 3/4	2,638.24	6 3/4	2,453.28	6 3/4	2,266.86	6 3/4	2,080.06	6 3/4	1,890.74
7	3,561.53	7	3,376.19	7	3,190.85	7	3,005.51	7	2,821.12	7	2,634.40	7	2,449.42	7	2,263.00	7	2,076.22	7	1,886.90
7 1/4	3,557.66	7 1/4	3,372.33	7 1/4	3,186.99	7 1/4	3,001.65	7 1/4	2,817.26	7 1/4	2,630.54	7 1/4	2,445.56	7 1/4	2,259.16	7 1/4	2,072.36	7 1/4	1,883.06
7 1/2	3,553.80	7 1/2	3,368.47	7 1/2	3,183.13	7 1/2	2,997.79	7 1/2	2,813.40	7 1/2	2,626.70	7 1/2	2,441.70	7 1/2	2,255.30	7 1/2	2,068.50	7 1/2	1,879.22
7 3/4	3,549.94	7 3/4	3,364.60	7 3/4	3,179.27	7 3/4	2,993.93	7 3/4	2,809.54	7 3/4	2,622.84	7 3/4	2,437.86	7 3/4	2,251.46	7 3/4	2,064.66	7 3/4	1,875.38
8	3,546.08	8	3,360.74	8	3,175.41	8	2,989.71	8	2,805.68	8	2,618.98	8	2,434.00	8	2,247.60	8	2,060.80	8	1,871.54
8 1/4	3,542.22	8 1/4	3,356.88	8 1/4	3,171.54	8 1/4	2,985.85	8 1/4	2,801.82	8 1/4	2,615.12	8 1/4	2,430.14	8 1/4	2,243.74	8 1/4	2,056.94	8 1/4	1,867.70
8 1/2	3,538.36	8 1/2	3,353.02	8 1/2	3,167.68	8 1/2	2,981.99	8 1/2	2,800.00	8 1/2	2,611.26	8 1/2	2,426.28	8 1/2	2,239.88	8 1/2	2,053.08	8 1/2	1,863.86
8 3/4	3,534.50	8 3/4	3,349.16	8 3/4	3,163.82	8 3/4	2,978.13	8 3/4	2,796.16	8 3/4	2,607.40	8 3/4	2,422.42	8 3/4	2,236.02	8 3/4	2,049.22	8 3/4	1,860.02
9	3,530.64	9	3,345.30	9	3,159.96	9	2,974.27	9	2,792.30	9	2,603.54	9	2,418.56	9	2,232.16	9	2,045.36	9	1,856.18
9 1/4	3,526.77	9 1/4	3,341.44	9 1/4	3,156.10	9 1/4	2,970.41	9 1/4	2,788.44	9 1/4	2,600.68	9 1/4	2,414.70	9 1/4	2,228.30	9 1/4	2,041.50	9 1/4	1,852.34
9 1/2	3,522.91	9 1/2	3,337.58	9 1/2	3,152.24	9 1/2	2,966.55	9 1/2	2,784.58	9 1/2	2,596.82	9 1/2	2,410.84	9 1/2	2,224.44	9 1/2	2,037.64	9 1/2	1,848.50
9 3/4	3,519.05	9 3/4	3,333.71	9 3/4	3,148.38	9 3/4	2,962.69	9 3/4	2,780.72	9 3/4	2,592.96	9 3/4	2,407.00	9 3/4	2,220.58	9 3/4	2,033.78	9 3/4	1,844.66
10	3,515.19	10	3,329.85	10	3,144.52	10	2,958.83	10	2,776.86	10	2,589.10	10	2,403.14	10	2,216.72	10	2,029.92	10	1,840.82
10 1/4	3,511.33	10 1/4	3,325.99	10 1/4	3,140.65	10 1/4	2,954.97	10 1/4	2,773.00	10 1/4	2,585.24	10 1/4	2,400.28	10 1/4	2,212.86	10 1/4	2,026.06	10 1/4	1,837.00
10 1/2	3,507.47	10 1/2	3,322.13	10 1/2	3,136.79	10 1/2	2,951.11	10 1/2	2,769.14	10 1/2	2,581.38	10 1/2	2,398.42	10 1/2	2,209.00	10 1/2	2,022.20	10 1/2	1,833.16
10 3/4	3,503.61	10 3/4	3,318.27	10 3/4	3,132.93	10 3/4	2,947.25	10 3/4	2,765.28	10 3/4	2,577.52	10 3/4	2,394.56	10 3/4	2,205.14	10 3/4	2,018.34	10 3/4	1,829.32
11	3,499.75	11	3,314.41	11	3,129.07	11	2,943.39	11	2,761.42	11	2,573.66	11	2,390.70	11	2,201.28	11	2,014.48	11	1,825.48
11 1/4	3,495.88	11 1/4	3,310.55	11 1/4	3,125.21	11 1/4	2,939.53	11 1/4	2,757.56	11 1/4	2,569.80	11 1/4	2,386.84	11 1/4	2,197.42	11 1/4	2,010.62	11 1/4	1,821.64
11 1/2	3,492.02	11 1/2	3,306.69	11 1/2	3,121.35	11 1/2	2,935.67	11 1/2	2,753.70	11 1/2	2,565.94	11 1/2	2,382.98	11 1/2	2,193.56	11 1/2	2,006.76	11 1/2	1,817.80
11 3/4	3,488.16	11 3/4	3,302.82	11 3/4	3,117.49	11 3/4	2,931.81	11 3/4	2,749.84	11 3/4	2,562.10	11 3/4	2,379.12	11 3/4	2,189.70	11 3/4	2,002.90	11 3/4	1,813.96

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
CAP



BARGE "IB 1981"

1 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	1,457.79	0	1,171.96	0	886.46	0	606.22	0	320.09	0	24.71	0	0	0	0	0	0	0	0
1/4	1,451.84	1/4	1,166.01	1/4	880.66	1/4	600.25	1/4	314.13	1/4	29.05	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,445.90	1/2	1,160.05	1/2	874.86	1/2	594.29	1/2	308.17	1/2	25.13	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,439.95	3/4	1,154.09	3/4	869.05	3/4	588.33	3/4	302.20	3/4	21.22	3/4	0	3/4	0	3/4	0	3/4	0
1	1,434.00	1	1,148.13	1	863.25	1	582.37	1	296.24	1	17.30	1	0	1	0	1	0	1	0
1/4	1,428.06	1/4	1,142.18	1/4	857.45	1/4	576.41	1/4	290.28	1/4	13.38	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,422.11	1/2	1,136.22	1/2	851.55	1/2	570.45	1/2	284.32	1/2	11.19	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,416.16	3/4	1,130.26	3/4	845.64	3/4	564.49	3/4	278.36	3/4	9.00	3/4	0	3/4	0	3/4	0	3/4	0
2	1,410.22	2	1,124.30	2	840.04	2	558.53	2	272.40	2	6.81	2	0	2	0	2	0	2	0
1/4	1,404.27	1/4	1,118.35	1/4	834.24	1/4	552.57	1/4	266.44	1/4	4.61	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,398.32	1/2	1,112.39	1/2	828.44	1/2	546.61	1/2	260.48	1/2	3.62	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,392.38	3/4	1,106.43	3/4	822.64	3/4	540.64	3/4	254.51	3/4	2.62	3/4	0	3/4	0	3/4	0	3/4	0
3	1,386.43	3	1,100.47	3	816.83	3	534.68	3	248.55	3	1.63	3	0	3	0	3	0	3	0
1/4	1,380.48	1/4	1,094.51	1/4	811.03	1/4	528.72	1/4	242.59	1/4	0.63	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,374.53	1/2	1,088.56	1/2	805.23	1/2	522.76	1/2	236.63	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,368.57	3/4	1,082.60	3/4	799.43	3/4	516.80	3/4	230.67	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
4	1,362.61	4	1,076.64	4	793.53	4	510.84	4	224.71	4	0	4	0	4	0	4	0	4	0
1/4	1,356.65	1/4	1,070.68	1/4	787.62	1/4	504.88	1/4	218.75	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,350.70	1/2	1,064.73	1/2	781.70	1/2	498.92	1/2	212.78	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,344.74	3/4	1,058.77	3/4	775.72	3/4	492.96	3/4	206.81	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
5	1,338.78	5	1,052.81	5	770.42	5	487.00	5	200.85	5	0	5	0	5	0	5	0	5	0
1/4	1,332.82	1/4	1,046.85	1/4	764.62	1/4	481.03	1/4	194.88	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,326.87	1/2	1,040.90	1/2	758.62	1/2	475.07	1/2	188.91	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,320.91	3/4	1,034.94	3/4	752.61	3/4	469.11	3/4	182.94	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
6	1,314.95	6	1,028.98	6	747.21	6	463.15	6	176.98	6	0	6	0	6	0	6	0	6	0
1/4	1,308.99	1/4	1,023.02	1/4	741.41	1/4	457.19	1/4	171.01	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,303.03	1/2	1,017.06	1/2	735.61	1/2	451.23	1/2	165.04	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,297.08	3/4	1,011.11	3/4	729.81	3/4	445.27	3/4	159.08	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
7	1,291.12	7	1,005.15	7	724.00	7	439.31	7	153.12	7	0	7	0	7	0	7	0	7	0
1/4	1,285.16	1/4	999.19	1/4	718.20	1/4	433.35	1/4	147.16	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,279.20	1/2	993.23	1/2	712.40	1/2	427.39	1/2	141.19	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,273.25	3/4	987.28	3/4	706.60	3/4	421.42	3/4	135.22	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
8	1,267.29	8	981.32	8	700.80	8	415.46	8	129.25	8	0	8	0	8	0	8	0	8	0
1/4	1,261.33	1/4	975.36	1/4	694.99	1/4	409.50	1/4	123.28	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,255.37	1/2	969.40	1/2	689.19	1/2	403.54	1/2	117.31	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,249.41	3/4	963.45	3/4	683.39	3/4	397.58	3/4	111.34	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
9	1,243.46	9	957.49	9	677.59	9	391.62	9	105.37	9	0	9	0	9	0	9	0	9	0
1/4	1,237.50	1/4	951.53	1/4	671.79	1/4	385.66	1/4	99.39	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,231.54	1/2	945.57	1/2	665.83	1/2	379.70	1/2	93.42	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,225.58	3/4	939.61	3/4	659.86	3/4	373.74	3/4	87.45	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
10	1,219.63	10	933.66	10	653.90	10	367.78	10	81.48	10	0	10	0	10	0	10	0	10	0
1/4	1,213.67	1/4	927.70	1/4	647.94	1/4	361.81	1/4	75.51	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,207.71	1/2	921.74	1/2	641.98	1/2	355.85	1/2	69.55	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,201.75	3/4	915.78	3/4	636.02	3/4	349.89	3/4	63.59	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
11	1,195.80	11	909.83	11	630.06	11	343.93	11	57.63	11	0	11	0	11	0	11	0	11	0
1/4	1,189.84	1/4	903.87	1/4	624.10	1/4	337.97	1/4	51.68	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,183.88	1/2	898.07	1/2	618.14	1/2	332.01	1/2	45.72	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,177.92	3/4	892.26	3/4	612.18	3/4	326.05	3/4	40.76	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0

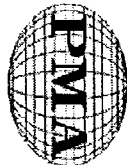
CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/04/2017 CL
CALCULATED: 10/05/2017 CL
PRINTED: 10/05/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2017

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
http://www.dtmacorp.net



BARGE "IB 1981"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

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	3,843.89	0	3,598.34	0	3,323.70	0	3,049.05	0	2,774.40	0	2,499.76	0	2,225.11	0	1,950.47	0	1,675.82	0
1/4	1/4	3,842.46	1/4	3,592.62	1/4	3,317.98	1/4	3,043.33	1/4	2,768.68	1/4	2,494.04	1/4	2,219.39	1/4	1,944.74	1/4	1,670.10	1/4
1/2	1/2	3,841.03	1/2	3,586.90	1/2	3,312.25	1/2	3,037.61	1/2	2,763.96	1/2	2,489.32	1/2	2,214.67	1/2	1,939.02	1/2	1,664.38	1/2
3/4	3/4	3,839.60	3/4	3,581.18	3/4	3,306.53	3/4	3,031.89	3/4	2,759.24	3/4	2,484.60	3/4	2,209.95	3/4	1,935.30	3/4	1,660.65	3/4
1	1	3,838.17	1	3,575.46	1	3,300.81	1	3,026.44	1	2,754.52	1	2,479.87	1	2,205.22	1	1,930.57	1	1,655.93	1
1/4	1/4	3,834.83	1/4	3,569.73	1/4	3,295.09	1/4	3,020.46	1/4	2,748.80	1/4	2,474.15	1/4	2,199.50	1/4	1,924.85	1/4	1,649.21	1/4
1/2	1/2	3,831.49	1/2	3,564.01	1/2	3,289.37	1/2	3,014.72	1/2	2,744.07	1/2	2,469.42	1/2	2,194.78	1/2	1,919.13	1/2	1,643.56	1/2
3/4	3/4	3,828.15	3/4	3,558.29	3/4	3,283.64	3/4	3,009.00	3/4	2,739.35	3/4	2,464.70	3/4	2,189.05	3/4	1,914.41	3/4	1,638.91	3/4
2	2	3,824.82	2	3,552.57	2	3,277.92	2	3,003.28	2	2,728.63	2	2,459.98	2	2,184.33	2	1,909.68	2	1,634.04	2
1/4	1/4	3,819.65	1/4	3,546.85	1/4	3,272.20	1/4	2,997.55	1/4	2,722.91	1/4	2,455.24	1/4	2,179.59	1/4	1,904.94	1/4	1,629.29	1/4
1/2	1/2	3,814.49	1/2	3,541.13	1/2	3,266.48	1/2	2,991.83	1/2	2,717.19	1/2	2,449.59	1/2	2,174.94	1/2	1,900.29	1/2	1,624.64	1/2
3/4	3/4	3,809.32	3/4	3,535.40	3/4	3,260.76	3/4	2,986.11	3/4	2,712.45	3/4	2,444.94	3/4	2,170.29	3/4	1,895.64	3/4	1,620.00	3/4
3	3	3,804.16	3	3,529.68	3	3,255.04	3	2,980.39	3	2,705.74	3	2,440.29	3	2,165.64	3	1,890.99	3	1,615.35	3
1/4	1/4	3,798.47	1/4	3,523.96	1/4	3,249.31	1/4	2,974.67	1/4	2,700.02	1/4	2,435.37	1/4	2,160.72	1/4	1,886.34	1/4	1,610.60	1/4
1/2	1/2	3,792.19	1/2	3,518.24	1/2	3,243.59	1/2	2,968.95	1/2	2,695.30	1/2	2,430.72	1/2	2,156.07	1/2	1,881.69	1/2	1,605.95	1/2
3/4	3/4	3,787.10	3/4	3,512.52	3/4	3,237.87	3/4	2,963.22	3/4	2,690.65	3/4	2,426.05	3/4	2,151.42	3/4	1,877.04	3/4	1,601.31	3/4
4	4	3,781.42	4	3,506.79	4	3,232.15	4	2,957.50	4	2,685.86	4	2,421.40	4	2,146.75	4	1,872.39	4	1,596.66	4
1/4	1/4	3,775.70	1/4	3,501.07	1/4	3,226.43	1/4	2,951.78	1/4	2,679.13	1/4	2,416.74	1/4	2,142.10	1/4	1,867.74	1/4	1,591.92	1/4
1/2	1/2	3,769.99	1/2	3,495.35	1/2	3,220.70	1/2	2,946.06	1/2	2,674.41	1/2	2,412.05	1/2	2,137.45	1/2	1,863.09	1/2	1,587.07	1/2
3/4	3/4	3,764.28	3/4	3,489.63	3/4	3,214.98	3/4	2,940.34	3/4	2,669.76	3/4	2,407.40	3/4	2,132.80	3/4	1,858.44	3/4	1,582.44	3/4
5	5	3,758.57	5	3,483.91	5	3,209.26	5	2,934.61	5	2,665.07	5	2,402.85	5	2,128.15	5	1,853.79	5	1,577.73	5
1/4	1/4	3,752.84	1/4	3,478.19	1/4	3,203.54	1/4	2,928.89	1/4	2,660.25	1/4	2,400.00	1/4	2,123.50	1/4	1,849.14	1/4	1,572.83	1/4
1/2	1/2	3,747.12	1/2	3,472.46	1/2	3,197.82	1/2	2,923.17	1/2	2,655.52	1/2	2,395.77	1/2	2,118.80	1/2	1,844.47	1/2	1,567.92	1/2
3/4	3/4	3,741.39	3/4	3,466.74	3/4	3,192.10	3/4	2,917.45	3/4	2,650.87	3/4	2,391.04	3/4	2,114.00	3/4	1,839.84	3/4	1,562.99	3/4
6	6	3,735.57	6	3,461.02	6	3,186.37	6	2,911.73	6	2,646.19	6	2,386.32	6	2,109.25	6	1,835.13	6	1,558.23	6
1/4	1/4	3,729.84	1/4	3,455.30	1/4	3,180.65	1/4	2,906.01	1/4	2,641.52	1/4	2,381.65	1/4	2,104.50	1/4	1,830.37	1/4	1,553.36	1/4
1/2	1/2	3,724.12	1/2	3,449.58	1/2	3,174.93	1/2	2,900.28	1/2	2,636.84	1/2	2,377.88	1/2	2,100.00	1/2	1,825.59	1/2	1,548.50	1/2
3/4	3/4	3,718.50	3/4	3,443.85	3/4	3,169.21	3/4	2,894.56	3/4	2,632.07	3/4	2,373.01	3/4	2,095.13	3/4	1,820.82	3/4	1,543.71	3/4
7	7	3,712.78	7	3,438.13	7	3,163.49	7	2,888.84	7	2,627.30	7	2,368.14	7	2,090.25	7	1,816.07	7	1,538.92	7
1/4	1/4	3,707.06	1/4	3,432.41	1/4	3,157.76	1/4	2,883.12	1/4	2,622.59	1/4	2,363.48	1/4	2,085.40	1/4	1,811.30	1/4	1,534.03	1/4
1/2	1/2	3,701.34	1/2	3,426.69	1/2	3,152.04	1/2	2,877.40	1/2	2,617.88	1/2	2,358.82	1/2	2,080.52	1/2	1,806.53	1/2	1,529.14	1/2
3/4	3/4	3,695.61	3/4	3,420.97	3/4	3,146.32	3/4	2,871.67	3/4	2,613.16	3/4	2,354.26	3/4	2,075.65	3/4	1,801.70	3/4	1,524.25	3/4
8	8	3,689.89	8	3,415.25	8	3,140.60	8	2,865.95	8	2,607.45	8	2,349.75	8	2,070.80	8	1,796.95	8	1,519.36	8
1/4	1/4	3,684.17	1/4	3,409.52	1/4	3,134.88	1/4	2,860.23	1/4	2,602.74	1/4	2,345.05	1/4	2,066.00	1/4	1,792.10	1/4	1,514.47	1/4
1/2	1/2	3,678.45	1/2	3,403.80	1/2	3,129.16	1/2	2,854.51	1/2	2,597.24	1/2	2,340.36	1/2	2,061.25	1/2	1,787.21	1/2	1,509.58	1/2
3/4	3/4	3,672.73	3/4	3,398.08	3/4	3,123.43	3/4	2,848.79	3/4	2,591.54	3/4	2,335.66	3/4	2,056.34	3/4	1,782.31	3/4	1,504.69	3/4
9	9	3,667.01	9	3,392.36	9	3,117.71	9	2,843.07	9	2,585.82	9	2,330.91	9	2,051.53	9	1,777.40	9	1,500.00	9
1/4	1/4	3,661.28	1/4	3,386.64	1/4	3,111.99	1/4	2,837.34	1/4	2,580.10	1/4	2,326.20	1/4	2,046.62	1/4	1,772.50	1/4	1,495.11	1/4
1/2	1/2	3,655.56	1/2	3,380.92	1/2	3,106.27	1/2	2,831.62	1/2	2,575.38	1/2	2,321.50	1/2	2,041.71	1/2	1,767.60	1/2	1,490.22	1/2
3/4	3/4	3,649.84	3/4	3,375.19	3/4	3,100.55	3/4	2,825.90	3/4	2,570.64	3/4	2,316.82	3/4	2,036.83	3/4	1,762.70	3/4	1,485.33	3/4
10	10	3,644.12	10	3,369.47	10	3,094.83	10	2,820.18	10	2,564.96	10	2,312.11	10	2,032.04	10	1,757.79	10	1,480.44	10
1/4	1/4	3,638.40	1/4	3,363.75	1/4	3,089.19	1/4	2,814.46	1/4	2,559.24	1/4	2,307.23	1/4	2,027.16	1/4	1,752.88	1/4	1,475.55	1/4
1/2	1/2	3,632.67	1/2	3,358.03	1/2	3,083.38	1/2	2,808.74	1/2	2,553.52	1/2	2,302.51	1/2	2,022.27	1/2	1,747.97	1/2	1,470.62	1/2
3/4	3/4	3,626.95	3/4	3,352.31	3/4	3,077.66	3/4	2,803.01	3/4	2,547.76	3/4	2,297.79	3/4	2,017.30	3/4	1,743.06	3/4	1,465.77	3/4
11	11	3,621.23	11	3,346.58	11	3,071.94	11	2,797.29	11	2,542.00	11	2,292.92	11	2,012.41	11	1,738.15	11	1,460.88	11
1/4	1/4	3,615.51	1/4	3,340.86	1/4	3,066.22	1/4	2,791.57	1/4	2,536.24	1/4	2,287.85	1/4	2,007.52	1/4	1,733.24	1/4	1,456.00	1/4
1/2	1/2	3,609.79	1/2	3,335.14	1/2	3,060.49	1/2	2,785.85	1/2	2,530.56	1/2	2,282.96	1/2	2,002.60	1/2	1,728.33	1/2	1,451.11	1/2
3/4	3/4	3,604.07	3/4	3,329.42	3/4	3,054.77	3/4	2,780.13	3/4	2,524.88	3/4	2,278.07	3/4	2,000.00	3/4	1,723.41	3/4	1,446.22	3/4

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'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588
 http://www.pma.com.net



BARGE "IB 1981"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-03"

IN	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
0	1,401.17	0	1,126.53	0	852.55	0	583.95	0	309.32	0	34.94	0	0	0	0	0	0	0	0	0
1/4	1,395.45	1/4	1,120.80	1/4	846.99	1/4	578.23	1/4	303.59	1/4	297.87	1/4	30.18	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,389.73	1/2	1,115.08	1/2	841.44	1/2	572.51	1/2	297.87	1/2	25.41	1/2	20.65	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,384.01	3/4	1,109.36	3/4	835.88	3/4	566.79	3/4	292.15	3/4	15.88	3/4	10.16	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,378.29	1	1,103.64	1	830.33	1	561.07	1	286.43	1	11	1	1	1	1	1	1	1	1	1
1/4	1,372.56	1/4	1,097.92	1/4	824.77	1/4	555.34	1/4	280.71	1/4	13.02	1/4	10.16	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,366.84	1/2	1,092.20	1/2	819.22	1/2	549.62	1/2	274.99	1/2	7.30	1/2	4.44	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,361.12	3/4	1,086.47	3/4	813.67	3/4	543.90	3/4	269.26	3/4	2.53	3/4	2	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,355.40	1	1,080.75	1	808.11	1	538.18	1	263.54	1	3.49	1	2	1	1	1	1	1	1	1
1/4	1,349.68	1/4	1,075.03	1/4	802.56	1/4	532.46	1/4	257.82	1/4	2	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,343.95	1/2	1,069.31	1/2	797.01	1/2	526.74	1/2	252.10	1/2	1.58	1/2	3	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,338.23	3/4	1,063.59	3/4	791.45	3/4	521.01	3/4	246.38	3/4	0.63	3/4	3	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,332.51	1	1,057.86	1	785.90	1	515.29	1	240.66	1	3	1	3	1	1	1	1	1	1	1
1/4	1,326.79	1/4	1,052.14	1/4	780.34	1/4	509.57	1/4	234.93	1/4	229.21	1/4	223.49	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,321.07	1/2	1,046.42	1/2	774.79	1/2	503.85	1/2	229.21	1/2	223.49	1/2	223.49	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,315.35	3/4	1,040.70	3/4	769.24	3/4	498.13	3/4	223.49	3/4	217.77	3/4	212.05	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,309.62	1	1,034.98	1	763.68	1	492.41	1	217.77	1	212.05	1	206.33	1	1	1	1	1	1	1
1/4	1,303.90	1/4	1,029.26	1/4	758.13	1/4	486.69	1/4	212.05	1/4	206.33	1/4	200.61	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,298.18	1/2	1,023.53	1/2	752.58	1/2	480.96	1/2	206.33	1/2	200.61	1/2	194.88	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,292.46	3/4	1,017.81	3/4	747.02	3/4	475.24	3/4	200.61	3/4	189.16	3/4	183.44	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,286.74	1	1,012.09	1	741.47	1	469.52	1	189.16	1	177.72	1	172.00	1	1	1	1	1	1	1
1/4	1,281.01	1/4	1,006.37	1/4	735.92	1/4	463.80	1/4	183.44	1/4	172.00	1/4	166.28	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,275.29	1/2	1,000.65	1/2	730.36	1/2	458.08	1/2	177.72	1/2	166.28	1/2	160.56	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,269.57	3/4	994.92	3/4	724.81	3/4	452.36	3/4	172.00	3/4	160.56	3/4	154.83	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,263.85	1	989.20	1	719.25	1	446.63	1	166.28	1	154.83	1	149.11	1	1	1	1	1	1	1
1/4	1,258.13	1/4	983.48	1/4	713.70	1/4	440.91	1/4	160.56	1/4	149.11	1/4	143.39	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,252.41	1/2	977.76	1/2	708.15	1/2	435.19	1/2	154.83	1/2	143.39	1/2	137.67	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,246.68	3/4	972.04	3/4	702.59	3/4	429.47	3/4	149.11	3/4	137.67	3/4	131.95	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,240.96	1	966.32	1	697.04	1	423.75	1	143.39	1	131.95	1	126.23	1	1	1	1	1	1	1
1/4	1,235.24	1/4	960.59	1/4	691.49	1/4	418.03	1/4	143.39	1/4	126.23	1/4	120.51	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,229.52	1/2	954.87	1/2	685.93	1/2	412.30	1/2	137.67	1/2	120.51	1/2	114.79	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,223.80	3/4	949.15	3/4	680.38	3/4	406.58	3/4	131.95	3/4	114.79	3/4	109.06	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,218.07	1	943.43	1	674.83	1	400.86	1	126.23	1	109.06	1	103.34	1	1	1	1	1	1	1
1/4	1,212.35	1/4	937.71	1/4	669.27	1/4	395.14	1/4	120.51	1/4	103.34	1/4	97.62	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,206.63	1/2	931.98	1/2	663.72	1/2	389.42	1/2	114.79	1/2	97.62	1/2	91.90	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,200.91	3/4	926.26	3/4	658.17	3/4	383.70	3/4	109.06	3/4	91.90	3/4	86.18	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,195.19	1	920.54	1	652.61	1	377.97	1	103.34	1	86.18	1	80.46	1	1	1	1	1	1	1
1/4	1,189.47	1/4	914.82	1/4	646.89	1/4	372.25	1/4	97.62	1/4	80.46	1/4	74.76	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,183.74	1/2	909.10	1/2	641.17	1/2	366.53	1/2	91.90	1/2	74.76	1/2	69.05	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,178.02	3/4	903.38	3/4	635.45	3/4	360.81	3/4	86.18	3/4	69.05	3/4	63.34	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,172.30	1	897.65	1	629.73	1	355.09	1	80.46	1	63.34	1	57.63	1	1	1	1	1	1	1
1/4	1,166.58	1/4	891.93	1/4	624.00	1/4	349.37	1/4	74.76	1/4	57.63	1/4	51.96	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,160.86	1/2	886.21	1/2	618.28	1/2	343.65	1/2	69.05	1/2	51.96	1/2	46.29	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,155.13	3/4	880.49	3/4	612.56	3/4	337.92	3/4	63.34	3/4	46.29	3/4	40.62	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,149.41	1	874.77	1	606.84	1	332.20	1	57.63	1	40.62	1	34.94	1	1	1	1	1	1	1
1/4	1,143.69	1/4	869.21	1/4	601.12	1/4	326.48	1/4	51.96	1/4	34.94	1/4	29.18	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,137.97	1/2	863.66	1/2	595.40	1/2	320.76	1/2	46.29	1/2	29.18	1/2	23.42	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,132.25	3/4	858.10	3/4	589.67	3/4	315.04	3/4	40.62	3/4	23.42	3/4	17.66	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/04/2017 CL
CALCULATED: 10/05/2017 CL
PRINTED: 10/05/2017 CL

PRECISION MEASUREMENT & ANALYSIS, INC.

P.O. Box 2052
Pearland, Texas 77588
http://www.pmacorp.net

CANCELS AND SUPERCEDES ALL PRIOR TO 10/2017



BARGE "IB 1981"

3 CENTER ULLAGE TABLE

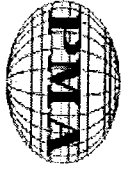
CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	3,825.92	1/4	3,581.95	1/4	3,309.04	1/4	3,036.12	1/4	2,763.20	1/4	2,490.28	1/4	2,217.36	1/4	1,944.44	1/4	1,671.53	1/4	1,400.98
1/2	3,824.50	1/2	3,576.27	1/2	3,303.35	1/2	3,024.75	1/2	2,751.83	1/2	2,478.91	1/2	2,205.99	1/2	1,933.07	1/2	1,660.15	1/2	1,387.23
3/4	3,821.56	3/4	3,564.90	3/4	3,291.98	3/4	3,019.06	3/4	2,746.14	3/4	2,473.22	3/4	2,200.31	3/4	1,927.39	3/4	1,654.47	3/4	1,381.55
1	3,820.24	1	3,559.21	1	3,286.29	1	3,013.37	1	2,740.46	1	2,467.54	1	2,194.62	1	1,921.70	1	1,648.78	1	1,375.86
1 1/4	3,816.92	1 1/4	3,553.53	1 1/4	3,280.61	1 1/4	3,007.69	1 1/4	2,734.77	1 1/4	2,461.85	1 1/4	2,188.93	1 1/4	1,916.02	1 1/4	1,643.10	1 1/4	1,368.98
1 1/2	3,813.60	1 1/2	3,547.84	1 1/2	3,274.92	1 1/2	3,002.00	1 1/2	2,729.08	1 1/2	2,456.17	1 1/2	2,183.26	1 1/2	1,910.33	1 1/2	1,637.41	1 1/2	1,365.66
2	3,806.97	2	3,536.47	2	3,265.55	2	2,990.63	2	2,717.71	2	2,444.79	2	2,171.88	2	1,898.96	2	1,626.04	2	1,358.41
1/4	3,801.84	1/4	3,530.78	1/4	3,257.86	1/4	2,984.95	1/4	2,712.03	1/4	2,439.11	1/4	2,166.19	1/4	1,893.27	1/4	1,620.35	1/4	1,351.08
1/2	3,796.71	1/2	3,525.10	1/2	3,252.18	1/2	2,979.26	1/2	2,706.34	1/2	2,433.42	1/2	2,160.50	1/2	1,887.59	1/2	1,614.67	1/2	1,347.81
3/4	3,791.57	3/4	3,519.41	3/4	3,246.49	3/4	2,973.57	3/4	2,700.66	3/4	2,427.74	3/4	2,154.82	3/4	1,881.90	3/4	1,608.98	3/4	1,344.56
1	3,786.44	1	3,513.73	1	3,240.81	1	2,967.89	1	2,694.97	1	2,422.05	1	2,149.13	1	1,876.21	1	1,603.30	1	1,341.24
1 1/4	3,780.79	1 1/4	3,508.04	1 1/4	3,235.12	1 1/4	2,962.20	1 1/4	2,689.28	1 1/4	2,416.37	1 1/4	2,143.45	1 1/4	1,870.53	1 1/4	1,597.61	1 1/4	1,337.97
1 1/2	3,775.14	1 1/2	3,502.35	1 1/2	3,229.44	1 1/2	2,956.52	1 1/2	2,683.60	1 1/2	2,410.68	1 1/2	2,137.76	1 1/2	1,864.84	1 1/2	1,591.92	1 1/2	1,334.71
3/4	3,769.49	3/4	3,496.67	3/4	3,223.75	3/4	2,950.83	3/4	2,677.91	3/4	2,404.99	3/4	2,132.08	3/4	1,859.96	3/4	1,586.24	3/4	1,331.45
1	3,763.84	1	3,490.98	1	3,218.06	1	2,945.15	1	2,672.23	1	2,399.31	1	2,126.39	1	1,853.47	1	1,580.55	1	1,328.19
1 1/4	3,758.17	1 1/4	3,485.30	1 1/4	3,212.38	1 1/4	2,939.46	1 1/4	2,666.54	1 1/4	2,393.62	1 1/4	2,120.70	1 1/4	1,847.79	1 1/4	1,574.87	1 1/4	1,324.92
1 1/2	3,752.49	1 1/2	3,479.61	1 1/2	3,206.69	1 1/2	2,933.77	1 1/2	2,660.86	1 1/2	2,387.94	1 1/2	2,115.02	1 1/2	1,842.10	1 1/2	1,569.18	1 1/2	1,321.65
3/4	3,746.82	3/4	3,473.92	3/4	3,201.01	3/4	2,928.09	3/4	2,655.17	3/4	2,382.25	3/4	2,109.33	3/4	1,836.41	3/4	1,563.50	3/4	1,318.39
1	3,741.14	1	3,468.24	1	3,195.32	1	2,922.40	1	2,649.48	1	2,376.57	1	2,103.65	1	1,831.73	1	1,559.81	1	1,315.12
1 1/4	3,735.46	1 1/4	3,462.55	1 1/4	3,189.63	1 1/4	2,916.72	1 1/4	2,643.80	1 1/4	2,370.88	1 1/4	2,097.96	1 1/4	1,825.04	1 1/4	1,552.12	1 1/4	1,311.87
1 1/2	3,729.78	1 1/2	3,456.87	1 1/2	3,183.95	1 1/2	2,911.03	1 1/2	2,638.11	1 1/2	2,365.19	1 1/2	2,092.28	1 1/2	1,819.36	1 1/2	1,546.44	1 1/2	1,308.60
3/4	3,724.10	3/4	3,451.18	3/4	3,178.26	3/4	2,905.34	3/4	2,632.43	3/4	2,359.51	3/4	2,086.59	3/4	1,813.67	3/4	1,540.75	3/4	1,305.34
1	3,718.41	1	3,445.50	1	3,172.58	1	2,899.66	1	2,626.74	1	2,352.82	1	2,080.50	1	1,807.99	1	1,535.07	1	1,302.08
1 1/4	3,712.73	1 1/4	3,439.81	1 1/4	3,166.89	1 1/4	2,893.97	1 1/4	2,621.05	1 1/4	2,348.14	1 1/4	2,075.22	1 1/4	1,802.30	1 1/4	1,529.38	1 1/4	1,298.81
1 1/2	3,707.04	1 1/2	3,434.12	1 1/2	3,161.21	1 1/2	2,888.29	1 1/2	2,615.37	1 1/2	2,342.45	1 1/2	2,069.53	1 1/2	1,796.61	1 1/2	1,523.70	1 1/2	1,295.54
3/4	3,701.36	3/4	3,428.44	3/4	3,155.52	3/4	2,882.60	3/4	2,609.68	3/4	2,336.76	3/4	2,063.85	3/4	1,791.93	3/4	1,518.01	3/4	1,292.27
1	3,695.67	1	3,422.75	1	3,149.83	1	2,876.92	1	2,604.00	1	2,331.08	1	2,058.16	1	1,785.24	1	1,513.32	1	1,289.00
1 1/4	3,689.98	1 1/4	3,417.07	1 1/4	3,144.15	1 1/4	2,871.23	1 1/4	2,598.31	1 1/4	2,326.39	1 1/4	2,052.47	1 1/4	1,779.56	1 1/4	1,508.64	1 1/4	1,285.73
1 1/2	3,684.30	1 1/2	3,411.38	1 1/2	3,138.46	1 1/2	2,865.54	1 1/2	2,592.63	1 1/2	2,319.71	1 1/2	2,046.79	1 1/2	1,773.87	1 1/2	1,500.95	1 1/2	1,282.46
3/4	3,678.61	3/4	3,405.69	3/4	3,132.78	3/4	2,859.86	3/4	2,586.94	3/4	2,314.02	3/4	2,041.10	3/4	1,768.18	3/4	1,495.27	3/4	1,279.19
1	3,672.93	1	3,400.01	1	3,127.09	1	2,854.17	1	2,581.25	1	2,308.34	1	2,035.42	1	1,762.50	1	1,489.58	1	1,275.92
1 1/4	3,667.24	1 1/4	3,394.32	1 1/4	3,121.40	1 1/4	2,848.49	1 1/4	2,575.57	1 1/4	2,302.65	1 1/4	2,029.73	1 1/4	1,756.81	1 1/4	1,483.89	1 1/4	1,272.65
1 1/2	3,661.56	1 1/2	3,388.64	1 1/2	3,115.72	1 1/2	2,842.80	1 1/2	2,569.88	1 1/2	2,296.96	1 1/2	2,024.05	1 1/2	1,751.13	1 1/2	1,478.21	1 1/2	1,269.38
3/4	3,655.87	3/4	3,382.95	3/4	3,110.03	3/4	2,837.11	3/4	2,564.20	3/4	2,291.28	3/4	2,018.36	3/4	1,745.44	3/4	1,472.52	3/4	1,266.11
1	3,650.18	1	3,377.27	1	3,104.35	1	2,831.43	1	2,558.51	1	2,285.59	1	2,012.67	1	1,739.76	1	1,466.84	1	1,262.84
1 1/4	3,644.50	1 1/4	3,371.58	1 1/4	3,099.66	1 1/4	2,825.74	1 1/4	2,552.82	1 1/4	2,279.91	1 1/4	2,006.99	1 1/4	1,734.07	1 1/4	1,461.15	1 1/4	1,259.57
1 1/2	3,638.81	1 1/2	3,365.99	1 1/2	3,092.98	1 1/2	2,820.06	1 1/2	2,547.14	1 1/2	2,274.22	1 1/2	2,001.30	1 1/2	1,728.38	1 1/2	1,455.47	1 1/2	1,256.30
3/4	3,633.13	3/4	3,360.21	3/4	3,087.29	3/4	2,814.37	3/4	2,541.45	3/4	2,268.53	3/4	1,995.62	3/4	1,722.70	3/4	1,449.78	3/4	1,253.03
1	3,627.44	1	3,354.52	1	3,081.60	1	2,808.69	1	2,535.77	1	2,262.85	1	1,989.93	1	1,717.01	1	1,444.09	1	1,249.76
1 1/4	3,621.76	1 1/4	3,348.84	1 1/4	3,075.92	1 1/4	2,803.00	1 1/4	2,530.08	1 1/4	2,257.18	1 1/4	1,984.24	1 1/4	1,711.33	1 1/4	1,438.41	1 1/4	1,246.49
1 1/2	3,616.07	1 1/2	3,343.15	1 1/2	3,070.23	1 1/2	2,797.31	1 1/2	2,524.40	1 1/2	2,251.48	1 1/2	1,978.56	1 1/2	1,705.64	1 1/2	1,432.72	1 1/2	1,243.22
3/4	3,610.38	3/4	3,337.47	3/4	3,064.55	3/4	2,791.63	3/4	2,518.71	3/4	2,246.79	3/4	1,972.87	3/4	1,699.99	3/4	1,427.04	3/4	1,239.95
1	3,604.70	1	3,331.78	1	3,059.86	1	2,785.94	1	2,513.02	1	2,240.11	1	1,967.19	1	1,694.27	1	1,421.35	1	1,236.68
1 1/4	3,599.01	1 1/4	3,326.09	1 1/4	3,053.18	1 1/4	2,780.26	1 1/4	2,507.34	1 1/4	2,234.42	1 1/4	1,961.50	1 1/4	1,688.58	1 1/4	1,415.66	1 1/4	1,233.41
1 1/2	3,593.33	1 1/2	3,320.41	1 1/2	3,047.49	1 1/2	2,774.57	1 1/2	2,501.65	1 1/2	2,228.73	1 1/2	1,955.82	1 1/2	1,682.90	1 1/2	1,409.98	1 1/2	1,230.14
3/4	3,587.64	3/4	3,314.72	3/4	3,041.80	3/4	2,768.89	3/4	2,495.97	3/4	2,223.05	3/4	1,950.13	3/4	1,677.21	3/4	1,404.29	3/4	1,226.87

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
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"-00" FORWARD OF AFT BULKHEAD

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



BARGE "IB 1981"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-03"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	1,398.61	0	1,125.69	0	852.81	0	580.28	0	307.37	0	34.73	0	0	0	0	0	0	0	0
1/4	1,392.92	1/4	1,120.00	1/4	847.13	1/4	574.60	1/4	301.69	1/4	29.99	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,387.24	1/2	1,114.32	1/2	841.46	1/2	569.91	1/2	296.00	1/2	25.26	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,381.55	3/4	1,108.63	3/4	835.78	3/4	563.23	3/4	290.32	3/4	20.52	3/4	0	3/4	0	3/4	0	3/4	0
1	1,375.86	1	1,102.95	1	830.10	1	557.54	1	284.63	1	15.79	1	0	1	0	1	0	1	0
1 1/4	1,370.18	1 1/4	1,097.26	1 1/4	824.43	1 1/4	551.85	1 1/4	278.95	1 1/4	12.95	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,364.49	1 1/2	1,091.57	1 1/2	818.75	1 1/2	546.17	1 1/2	273.26	1 1/2	10.10	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,358.81	3/4	1,085.89	3/4	813.08	3/4	540.48	3/4	267.57	3/4	7.26	3/4	0	3/4	0	3/4	0	3/4	0
2	1,353.12	2	1,080.20	2	807.40	2	534.80	2	261.89	2	4.42	2	0	2	0	2	0	2	0
1 1/4	1,347.44	1 1/4	1,074.52	1 1/4	801.73	1 1/4	529.11	1 1/4	256.20	1 1/4	3.47	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,341.75	1 1/2	1,068.83	1 1/2	796.05	1 1/2	523.43	1 1/2	250.52	1 1/2	2.52	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,336.06	3/4	1,063.15	3/4	790.38	3/4	517.74	3/4	244.83	3/4	1.57	3/4	0	3/4	0	3/4	0	3/4	0
3	1,330.38	3	1,057.46	3	784.70	3	512.05	3	239.15	3	0.63	3	0	3	0	3	0	3	0
1 1/4	1,324.69	1 1/4	1,051.77	1 1/4	779.03	1 1/4	506.37	1 1/4	233.46	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,319.01	1 1/2	1,046.09	1 1/2	773.35	1 1/2	500.68	1 1/2	227.77	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,313.32	3/4	1,040.40	3/4	767.68	3/4	495.00	3/4	222.09	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
4	1,307.63	4	1,034.72	4	762.01	4	489.31	4	216.40	4	0	4	0	4	0	4	0	4	0
1 1/4	1,301.95	1 1/4	1,029.03	1 1/4	756.33	1 1/4	483.63	1 1/4	210.72	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,296.26	1 1/2	1,023.34	1 1/2	750.66	1 1/2	477.94	1 1/2	205.03	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,290.58	3/4	1,017.66	3/4	744.98	3/4	472.26	3/4	199.35	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
5	1,284.89	5	1,011.97	5	739.31	5	466.57	5	193.66	5	0	5	0	5	0	5	0	5	0
1 1/4	1,279.21	1 1/4	1,006.29	1 1/4	733.63	1 1/4	460.88	1 1/4	187.98	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,273.52	1 1/2	1,000.60	1 1/2	727.96	1 1/2	455.20	1 1/2	182.29	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,267.83	3/4	994.92	3/4	722.28	3/4	449.51	3/4	176.61	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
6	1,262.15	6	989.23	6	716.61	6	443.83	6	170.92	6	0	6	0	6	0	6	0	6	0
1 1/4	1,256.46	1 1/4	983.54	1 1/4	710.93	1 1/4	438.14	1 1/4	165.23	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,250.78	1 1/2	977.86	1 1/2	705.26	1 1/2	432.46	1 1/2	159.52	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,245.09	3/4	972.17	3/4	699.58	3/4	426.77	3/4	153.87	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
7	1,239.41	7	966.49	7	693.91	7	421.09	7	148.18	7	0	7	0	7	0	7	0	7	0
1 1/4	1,233.72	1 1/4	960.80	1 1/4	688.23	1 1/4	415.40	1 1/4	142.49	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,228.03	1 1/2	955.12	1 1/2	682.56	1 1/2	409.71	1 1/2	136.81	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,222.35	3/4	949.43	3/4	676.88	3/4	404.03	3/4	131.12	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
8	1,216.66	8	943.74	8	671.21	8	398.34	8	125.44	8	0	8	0	8	0	8	0	8	0
1 1/4	1,210.98	1 1/4	938.06	1 1/4	665.53	1 1/4	392.66	1 1/4	119.75	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,205.29	1 1/2	932.37	1 1/2	659.86	1 1/2	386.97	1 1/2	114.07	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,199.60	3/4	926.69	3/4	654.18	3/4	381.29	3/4	108.38	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
9	1,193.92	9	921.00	9	648.51	9	375.60	9	102.70	9	0	9	0	9	0	9	0	9	0
1 1/4	1,188.23	1 1/4	915.31	1 1/4	642.82	1 1/4	369.91	1 1/4	97.01	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,182.55	1 1/2	909.63	1 1/2	637.14	1 1/2	364.23	1 1/2	91.33	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,176.86	3/4	903.94	3/4	631.45	3/4	358.54	3/4	85.64	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
10	1,171.18	10	898.26	10	625.77	10	352.86	10	79.96	10	0	10	0	10	0	10	0	10	0
1 1/4	1,165.49	1 1/4	892.57	1 1/4	620.08	1 1/4	347.17	1 1/4	74.29	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,159.80	1 1/2	886.89	1 1/2	614.40	1 1/2	341.48	1 1/2	68.62	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,154.12	3/4	881.20	3/4	608.71	3/4	335.80	3/4	62.95	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
11	1,148.43	11	875.51	11	603.02	11	330.12	11	57.28	11	0	11	0	11	0	11	0	11	0
1 1/4	1,142.75	1 1/4	869.84	1 1/4	597.34	1 1/4	324.43	1 1/4	51.64	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,137.06	1 1/2	864.16	1 1/2	591.65	1 1/2	318.74	1 1/2	46.00	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,131.37	3/4	858.48	3/4	585.97	3/4	313.06	3/4	40.37	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/04/2017 CL
 CALCULATED: 10/05/2017 CL
 PRINTED: 10/05/2017 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 10/2017

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