



BARGE "EBL 2998"

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 PORT	00-1/8	- 00-1/8	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
1 STBD	00-1/8	- 00-1/8	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
2 PORT	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
2 STBD	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 PORT	01-0/8	- 01-0/8	02-1/8	- 02-1/8	03-1/8	- 03-1/8	04-1/8	- 04-1/8	05-1/4	- 05-1/4	06-1/4	- 06-1/4
3 STBD	01-0/8	- 01-0/8	02-1/8	- 02-1/8	03-1/8	- 03-1/8	04-1/8	- 04-1/8	05-1/4	- 05-1/4	06-1/4	- 06-1/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 5'-00"
 DIFF. = 3'-00" (DOWN BY STERN)

THE CORRECTION FOR 3'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00 1/4"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 3/4"

LENGTH BETWEEN DRAFT MARKS: 242'-00"

May 18, 2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "EBL 2998"

1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 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	2,538.33	0	2,164.02	0	1,789.72	0	1,415.42	0	1,041.11	0	666.81	0	299.78	0		0		0	
1/4	2,530.53	1/4	2,156.22	1/4	1,781.92	1/4	1,407.62	1/4	1,033.31	1/4	659.01	1/4	292.45	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,522.73	1/2	2,148.42	1/2	1,774.12	1/2	1,399.82	1/2	1,025.51	1/2	651.21	1/2	285.12	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,514.93	3/4	2,140.62	3/4	1,766.32	3/4	1,392.02	3/4	1,017.71	3/4	643.41	3/4	277.90	3/4	3/4	3/4	3/4	3/4	3/4
1	2,507.14	1	2,132.83	1	1,758.53	1	1,384.22	1	1,009.92	1	635.62	1	270.67	1	1	1	1	1	1
1/4	2,499.34	1/4	2,125.03	1/4	1,750.73	1/4	1,376.42	1/4	1,002.12	1/4	627.82	1/4	263.45	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,491.54	1/2	2,117.23	1/2	1,742.93	1/2	1,368.62	1/2	994.32	1/2	620.02	1/2	256.22	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,483.74	3/4	2,109.43	3/4	1,735.13	3/4	1,360.82	3/4	986.52	3/4	612.22	3/4	249.10	3/4	3/4	3/4	3/4	3/4	3/4
2	2,475.94	2	2,101.64	2	1,727.34	2	1,353.03	2	978.73	2	604.42	2	241.98	2	2	2	2	2	2
1/4	2,468.14	1/4	2,093.84	1/4	1,719.54	1/4	1,345.23	1/4	970.93	1/4	596.62	1/4	234.86	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,460.34	1/2	2,086.04	1/2	1,711.74	1/2	1,337.43	1/2	963.13	1/2	588.82	1/2	227.74	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,452.54	3/4	2,078.24	3/4	1,703.94	3/4	1,329.63	3/4	955.33	3/4	581.02	3/4	220.62	3/4	3/4	3/4	3/4	3/4	3/4
3	2,444.75	3	2,070.45	3	1,696.14	3	1,321.84	3	947.54	3	573.23	3	213.51	3	3	3	3	3	3
1/4	2,436.95	1/4	2,062.65	1/4	1,688.34	1/4	1,314.04	1/4	939.74	1/4	565.43	1/4	206.39	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,429.15	1/2	2,054.85	1/2	1,680.54	1/2	1,306.24	1/2	931.94	1/2	557.63	1/2	199.27	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,421.35	3/4	2,047.05	3/4	1,672.74	3/4	1,298.44	3/4	924.14	3/4	549.83	3/4	192.26	3/4	3/4	3/4	3/4	3/4	3/4
4	2,413.56	4	2,039.26	4	1,664.95	4	1,290.65	4	916.34	4	542.04	4	185.25	4	4	4	4	4	4
1/4	2,405.76	1/4	2,031.46	1/4	1,657.15	1/4	1,282.85	1/4	908.54	1/4	534.24	1/4	178.24	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,397.96	1/2	2,023.66	1/2	1,649.35	1/2	1,275.05	1/2	900.74	1/2	526.44	1/2	171.23	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,390.16	3/4	2,015.86	3/4	1,641.55	3/4	1,267.25	3/4	892.94	3/4	518.64	3/4	164.33	3/4	3/4	3/4	3/4	3/4	3/4
5	2,382.37	5	2,008.06	5	1,633.76	5	1,259.46	5	885.15	5	510.92	5	157.42	5	5	5	5	5	5
1/4	2,374.57	1/4	2,000.26	1/4	1,625.96	1/4	1,251.66	1/4	877.35	1/4	503.15	1/4	150.52	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,366.77	1/2	1,992.46	1/2	1,618.16	1/2	1,243.86	1/2	869.55	1/2	495.39	1/2	143.61	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,358.97	3/4	1,984.66	3/4	1,610.36	3/4	1,236.06	3/4	861.75	3/4	487.67	3/4	136.71	3/4	3/4	3/4	3/4	3/4	3/4
6	2,351.18	6	1,976.87	6	1,602.57	6	1,228.26	6	853.96	6	479.94	6	129.81	6	6	6	6	6	6
1/4	2,343.38	1/4	1,969.07	1/4	1,594.77	1/4	1,220.46	1/4	846.16	1/4	472.22	1/4	122.90	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,335.58	1/2	1,961.27	1/2	1,586.97	1/2	1,212.66	1/2	838.36	1/2	464.49	1/2	116.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,327.78	3/4	1,953.47	3/4	1,579.17	3/4	1,204.86	3/4	830.56	3/4	456.85	3/4	109.20	3/4	3/4	3/4	3/4	3/4	3/4
7	2,319.98	7	1,945.68	7	1,571.38	7	1,197.07	7	822.77	7	449.22	7	102.41	7	7	7	7	7	7
1/4	2,312.18	1/4	1,937.88	1/4	1,563.58	1/4	1,189.27	1/4	814.97	1/4	441.58	1/4	95.61	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,304.38	1/2	1,930.08	1/2	1,555.78	1/2	1,181.47	1/2	807.17	1/2	433.94	1/2	88.81	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,296.58	3/4	1,922.28	3/4	1,547.98	3/4	1,173.67	3/4	799.37	3/4	426.39	3/4	82.29	3/4	3/4	3/4	3/4	3/4	3/4
8	2,288.79	8	1,914.49	8	1,540.18	8	1,165.88	8	791.58	8	418.84	8	75.78	8	8	8	8	8	8
1/4	2,280.99	1/4	1,906.69	1/4	1,532.38	1/4	1,158.08	1/4	783.78	1/4	411.29	1/4	69.26	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,273.19	1/2	1,898.89	1/2	1,524.58	1/2	1,150.28	1/2	775.98	1/2	403.74	1/2	62.74	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,265.39	3/4	1,891.09	3/4	1,516.78	3/4	1,142.48	3/4	768.18	3/4	396.19	3/4	56.91	3/4	3/4	3/4	3/4	3/4	3/4
9	2,257.60	9	1,883.30	9	1,508.99	9	1,134.69	9	760.38	9	388.64	9	51.07	9	9	9	9	9	9
1/4	2,249.80	1/4	1,875.50	1/4	1,501.19	1/4	1,126.89	1/4	752.58	1/4	381.09	1/4	45.24	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,242.00	1/2	1,867.70	1/2	1,493.39	1/2	1,119.09	1/2	744.78	1/2	373.54	1/2	39.40	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,234.20	3/4	1,859.90	3/4	1,485.59	3/4	1,111.29	3/4	736.98	3/4	366.10	3/4	34.87	3/4	3/4	3/4	3/4	3/4	3/4
10	2,226.41	10	1,852.10	10	1,477.80	10	1,103.50	10	729.19	10	358.66	10	30.35	10	10	10	10	10	10
1/4	2,218.61	1/4	1,844.30	1/4	1,470.00	1/4	1,095.70	1/4	721.39	1/4	351.21	1/4	25.82	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,210.81	1/2	1,836.50	1/2	1,462.20	1/2	1,087.90	1/2	713.59	1/2	343.77	1/2	21.29	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,203.01	3/4	1,828.70	3/4	1,454.40	3/4	1,080.10	3/4	705.79	3/4	336.44	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	2,195.22	11	1,820.91	11	1,446.61	11	1,072.30	11	698.00	11	329.11	11		11	11	11	11	11	11
1/4	2,187.42	1/4	1,813.11	1/4	1,438.81	1/4	1,064.50	1/4	690.20	1/4	321.77	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,179.62	1/2	1,805.31	1/2	1,431.01	1/2	1,056.70	1/2	682.40	1/2	314.44	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,171.82	3/4	1,797.51	3/4	1,423.21	3/4	1,048.90	3/4	674.60	3/4	307.11	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/22/2003 INSP
RECALCULATED: 05/19/2020 PMA
REPRINTED: 05/19/2020 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "EBL 2998"

1 STBD ULLAGE TABLE HERMETIC GAUGE HEIGHT 16'-11"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	5,174.05	0	4,799.74	0	4,425.44	0	4,051.14	0	3,676.83	0	3,302.53	0	2,928.22
1/4		1/4		1/4		1/4	5,166.25	1/4	4,791.94	1/4	4,417.64	1/4	4,043.34	1/4	3,669.03	1/4	3,294.73	1/4	2,920.42
1/2		1/2		1/2		1/2	5,158.46	1/2	4,784.15	1/2	4,409.85	1/2	4,035.54	1/2	3,661.24	1/2	3,286.94	1/2	2,912.63
3/4		3/4		3/4		3/4	5,150.66	3/4	4,776.35	3/4	4,402.05	3/4	4,027.74	3/4	3,653.44	3/4	3,279.14	3/4	2,904.83
1		1		1		1	5,142.86	1	4,768.55	1	4,394.25	1	4,019.94	1	3,645.64	1	3,271.34	1	2,897.03
1/4		1/4		1/4		1/4	5,135.06	1/4	4,760.75	1/4	4,386.45	1/4	4,012.14	1/4	3,637.84	1/4	3,263.54	1/4	2,889.23
1/2		1/2		1/2		1/2	5,127.26	1/2	4,752.96	1/2	4,378.66	1/2	4,004.35	1/2	3,630.05	1/2	3,255.74	1/2	2,881.44
3/4		3/4		3/4		3/4	5,119.46	3/4	4,745.16	3/4	4,370.86	3/4	3,996.55	3/4	3,622.25	3/4	3,247.94	3/4	2,873.64
2		2		2		2	5,111.66	2	4,737.36	2	4,363.06	2	3,988.75	2	3,614.45	2	3,240.14	2	2,865.84
1/4		1/4		1/4		1/4	5,103.86	1/4	4,729.56	1/4	4,355.26	1/4	3,980.95	1/4	3,606.65	1/4	3,232.34	1/4	2,858.04
1/2		1/2		1/2		1/2	5,096.07	1/2	4,721.77	1/2	4,347.46	1/2	3,973.16	1/2	3,598.86	1/2	3,224.55	1/2	2,850.25
3/4		3/4		3/4		3/4	5,088.27	3/4	4,713.97	3/4	4,339.66	3/4	3,965.36	3/4	3,591.06	3/4	3,216.75	3/4	2,842.45
3		3		3		3	5,080.47	3	4,706.17	3	4,331.86	3	3,957.56	3	3,583.26	3	3,208.95	3	2,834.65
1/4		1/4		1/4		1/4	5,072.67	1/4	4,698.37	1/4	4,324.06	1/4	3,949.76	1/4	3,575.46	1/4	3,201.15	1/4	2,826.85
1/2		1/2		1/2		1/2	5,064.88	1/2	4,690.58	1/2	4,316.27	1/2	3,941.97	1/2	3,567.66	1/2	3,193.36	1/2	2,819.06
3/4		3/4		3/4		3/4	5,057.08	3/4	4,682.78	3/4	4,308.47	3/4	3,934.17	3/4	3,559.86	3/4	3,185.56	3/4	2,811.26
4		4		4		4	5,049.28	4	4,674.98	4	4,300.67	4	3,926.37	4	3,552.06	4	3,177.76	4	2,803.46
1/4		1/4		1/4		1/4	5,041.48	1/4	4,667.18	1/4	4,292.87	1/4	3,918.57	1/4	3,544.26	1/4	3,169.96	1/4	2,795.66
1/2		1/2		1/2		1/2	5,033.69	1/2	4,659.38	1/2	4,285.08	1/2	3,910.78	1/2	3,536.47	1/2	3,162.17	1/2	2,787.86
3/4		3/4		3/4		3/4	5,025.89	3/4	4,651.58	3/4	4,277.28	3/4	3,902.98	3/4	3,528.67	3/4	3,154.37	3/4	2,780.06
5		5		5		5	5,018.09	5	4,643.78	5	4,269.48	5	3,895.18	5	3,520.87	5	3,146.57	5	2,772.26
1/4		1/4		1/4		1/4	5,010.29	1/4	4,635.98	1/4	4,261.68	1/4	3,887.38	1/4	3,513.07	1/4	3,138.77	1/4	2,764.46
1/2		1/2		1/2		1/2	5,291.95	1/2	5,002.50	1/2	4,628.19	1/2	4,253.89	1/2	3,879.58	1/2	3,505.28	1/2	3,130.98
3/4		3/4		3/4		3/4	5,291.60	3/4	4,994.70	3/4	4,620.39	3/4	4,246.09	3/4	3,871.78	3/4	3,497.48	3/4	3,123.18
6		6		6		6	5,291.25	6	4,986.90	6	4,612.59	6	4,238.29	6	3,863.98	6	3,489.68	6	3,115.38
1/4		1/4		1/4		1/4	5,289.84	1/4	4,979.10	1/4	4,604.79	1/4	4,230.49	1/4	3,856.18	1/4	3,481.88	1/4	3,107.58
1/2		1/2		1/2		1/2	5,288.42	1/2	4,971.30	1/2	4,597.00	1/2	4,222.70	1/2	3,848.39	1/2	3,474.09	1/2	3,099.78
3/4		3/4		3/4		3/4	5,287.01	3/4	4,963.50	3/4	4,589.20	3/4	4,214.90	3/4	3,840.59	3/4	3,466.29	3/4	3,091.98
7		7		7		7	5,285.59	7	4,955.70	7	4,581.40	7	4,207.10	7	3,832.79	7	3,458.49	7	3,084.18
1/4		1/4		1/4		1/4	5,282.76	1/4	4,947.90	1/4	4,573.60	1/4	4,199.30	1/4	3,824.99	1/4	3,450.69	1/4	3,076.38
1/2		1/2		1/2		1/2	5,279.93	1/2	4,940.11	1/2	4,565.81	1/2	4,191.50	1/2	3,817.20	1/2	3,442.90	1/2	3,068.59
3/4		3/4		3/4		3/4	5,277.09	3/4	4,932.31	3/4	4,558.01	3/4	4,183.70	3/4	3,809.40	3/4	3,435.10	3/4	3,060.79
8		8		8		8	5,274.26	8	4,924.51	8	4,550.21	8	4,175.90	8	3,801.60	8	3,427.30	8	3,052.99
1/4		1/4		1/4		1/4	5,269.76	1/4	4,916.71	1/4	4,542.41	1/4	4,168.10	1/4	3,793.80	1/4	3,419.50	1/4	3,045.19
1/2		1/2		1/2		1/2	5,265.26	1/2	4,908.92	1/2	4,534.62	1/2	4,160.31	1/2	3,786.01	1/2	3,411.70	1/2	3,037.40
3/4		3/4		3/4		3/4	5,260.76	3/4	4,901.12	3/4	4,526.82	3/4	4,152.51	3/4	3,778.21	3/4	3,403.90	3/4	3,029.60
9		9		9		9	5,256.26	9	4,893.32	9	4,519.02	9	4,144.71	9	3,770.41	9	3,396.10	9	3,021.80
1/4		1/4		1/4		1/4	5,250.59	1/4	4,885.52	1/4	4,511.22	1/4	4,136.91	1/4	3,762.61	1/4	3,388.30	1/4	3,014.00
1/2		1/2		1/2		1/2	5,244.93	1/2	4,877.73	1/2	4,503.42	1/2	4,129.12	1/2	3,754.82	1/2	3,380.51	1/2	3,006.21
3/4		3/4		3/4		3/4	5,239.26	3/4	4,869.93	3/4	4,495.62	3/4	4,121.32	3/4	3,747.02	3/4	3,372.71	3/4	2,998.41
10		10		10		10	5,233.59	10	4,862.13	10	4,487.82	10	4,113.52	10	3,739.22	10	3,364.91	10	2,990.61
1/4		1/4		1/4		1/4	5,226.50	1/4	4,854.33	1/4	4,480.02	1/4	4,105.72	1/4	3,731.42	1/4	3,357.11	1/4	2,982.81
1/2		1/2		1/2		1/2	5,219.42	1/2	4,846.54	1/2	4,472.23	1/2	4,097.93	1/2	3,723.62	1/2	3,349.32	1/2	2,975.02
3/4		3/4		3/4		3/4	5,212.33	3/4	4,838.74	3/4	4,464.43	3/4	4,090.13	3/4	3,715.82	3/4	3,341.52	3/4	2,967.22
11		11		11		11	5,205.24	11	4,830.94	11	4,456.63	11	4,082.33	11	3,708.02	11	3,333.72	11	2,959.42
1/4		1/4		1/4		1/4	5,197.44	1/4	4,823.14	1/4	4,448.83	1/4	4,074.53	1/4	3,700.22	1/4	3,325.92	1/4	2,951.62
1/2		1/2		1/2		1/2	5,189.65	1/2	4,815.34	1/2	4,441.04	1/2	4,066.74	1/2	3,692.43	1/2	3,318.13	1/2	2,943.82
3/4		3/4		3/4		3/4	5,181.85	3/4	4,807.54	3/4	4,433.24	3/4	4,058.94	3/4	3,684.63	3/4	3,310.33	3/4	2,936.02

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 WITH "HERMETIC" DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 13'-00" OFF CENTERLINE AND 45'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "EBL 2998"

1 STBD

ULLAGE TABLE
HERMETIC

GAUGE HEIGHT 16'-11"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,553.92	0	2,179.62	0	1,805.31	0	1,431.01	0	1,056.70	0	682.40	0	314.44	0		0		0	
1/4	2,546.12	1/4	2,171.82	1/4	1,797.51	1/4	1,423.21	1/4	1,048.90	1/4	674.60	1/4	307.11	1/4		1/4		1/4	
1/2	2,538.33	1/2	2,164.02	1/2	1,789.72	1/2	1,415.42	1/2	1,041.11	1/2	666.81	1/2	299.78	1/2		1/2		1/2	
3/4	2,530.53	3/4	2,156.22	3/4	1,781.92	3/4	1,407.62	3/4	1,033.31	3/4	659.01	3/4	292.45	3/4		3/4		3/4	
1	2,522.73	1	2,148.42	1	1,774.12	1	1,399.82	1	1,025.51	1	651.21	1	285.12	1		1		1	
1/4	2,514.93	1/4	2,140.62	1/4	1,766.32	1/4	1,392.02	1/4	1,017.71	1/4	643.41	1/4	277.90	1/4		1/4		1/4	
1/2	2,507.14	1/2	2,132.83	1/2	1,758.53	1/2	1,384.22	1/2	1,009.92	1/2	635.62	1/2	270.67	1/2		1/2		1/2	
3/4	2,499.34	3/4	2,125.03	3/4	1,750.73	3/4	1,376.42	3/4	1,002.12	3/4	627.82	3/4	263.45	3/4		3/4		3/4	
2	2,491.54	2	2,117.23	2	1,742.93	2	1,368.62	2	994.32	2	620.02	2	256.22	2		2		2	
1/4	2,483.74	1/4	2,109.43	1/4	1,735.13	1/4	1,360.82	1/4	986.52	1/4	612.22	1/4	249.10	1/4		1/4		1/4	
1/2	2,475.94	1/2	2,101.64	1/2	1,727.34	1/2	1,353.03	1/2	978.73	1/2	604.42	1/2	241.98	1/2		1/2		1/2	
3/4	2,468.14	3/4	2,093.84	3/4	1,719.54	3/4	1,345.23	3/4	970.93	3/4	596.62	3/4	234.86	3/4		3/4		3/4	
3	2,460.34	3	2,086.04	3	1,711.74	3	1,337.43	3	963.13	3	588.82	3	227.74	3		3		3	
1/4	2,452.54	1/4	2,078.24	1/4	1,703.94	1/4	1,329.63	1/4	955.33	1/4	581.02	1/4	220.62	1/4		1/4		1/4	
1/2	2,444.75	1/2	2,070.45	1/2	1,696.14	1/2	1,321.84	1/2	947.54	1/2	573.23	1/2	213.51	1/2		1/2		1/2	
3/4	2,436.95	3/4	2,062.65	3/4	1,688.34	3/4	1,314.04	3/4	939.74	3/4	565.43	3/4	206.39	3/4		3/4		3/4	
4	2,429.15	4	2,054.85	4	1,680.54	4	1,306.24	4	931.94	4	557.63	4	199.27	4		4		4	
1/4	2,421.35	1/4	2,047.05	1/4	1,672.74	1/4	1,298.44	1/4	924.14	1/4	549.83	1/4	192.26	1/4		1/4		1/4	
1/2	2,413.56	1/2	2,039.26	1/2	1,664.95	1/2	1,290.65	1/2	916.34	1/2	542.04	1/2	185.25	1/2		1/2		1/2	
3/4	2,405.76	3/4	2,031.46	3/4	1,657.15	3/4	1,282.85	3/4	908.54	3/4	534.24	3/4	178.24	3/4		3/4		3/4	
5	2,397.96	5	2,023.66	5	1,649.35	5	1,275.05	5	900.74	5	526.44	5	171.23	5		5		5	
1/4	2,390.16	1/4	2,015.86	1/4	1,641.55	1/4	1,267.25	1/4	892.94	1/4	518.68	1/4	164.33	1/4		1/4		1/4	
1/2	2,382.37	1/2	2,008.06	1/2	1,633.76	1/2	1,259.46	1/2	885.15	1/2	510.92	1/2	157.42	1/2		1/2		1/2	
3/4	2,374.57	3/4	2,000.26	3/4	1,625.96	3/4	1,251.66	3/4	877.35	3/4	503.15	3/4	150.52	3/4		3/4		3/4	
6	2,366.77	6	1,992.46	6	1,618.16	6	1,243.86	6	869.55	6	495.39	6	143.61	6		6		6	
1/4	2,358.97	1/4	1,984.66	1/4	1,610.36	1/4	1,236.06	1/4	861.75	1/4	487.67	1/4	136.71	1/4		1/4		1/4	
1/2	2,351.18	1/2	1,976.87	1/2	1,602.57	1/2	1,228.26	1/2	853.96	1/2	479.94	1/2	129.81	1/2		1/2		1/2	
3/4	2,343.38	3/4	1,969.07	3/4	1,594.77	3/4	1,220.46	3/4	846.16	3/4	472.22	3/4	122.90	3/4		3/4		3/4	
7	2,335.58	7	1,961.27	7	1,586.97	7	1,212.66	7	838.36	7	464.49	7	116.00	7		7		7	
1/4	2,327.78	1/4	1,953.47	1/4	1,579.17	1/4	1,204.86	1/4	830.56	1/4	456.85	1/4	109.20	1/4		1/4		1/4	
1/2	2,319.98	1/2	1,945.68	1/2	1,571.38	1/2	1,197.07	1/2	822.77	1/2	449.22	1/2	102.41	1/2		1/2		1/2	
3/4	2,312.18	3/4	1,937.88	3/4	1,563.58	3/4	1,189.27	3/4	814.97	3/4	441.58	3/4	95.61	3/4		3/4		3/4	
8	2,304.38	8	1,930.08	8	1,555.78	8	1,181.47	8	807.17	8	433.94	8	88.81	8		8		8	
1/4	2,296.58	1/4	1,922.28	1/4	1,547.98	1/4	1,173.67	1/4	799.37	1/4	426.39	1/4	82.29	1/4		1/4		1/4	
1/2	2,288.79	1/2	1,914.49	1/2	1,540.18	1/2	1,165.88	1/2	791.58	1/2	418.84	1/2	75.78	1/2		1/2		1/2	
3/4	2,280.99	3/4	1,906.69	3/4	1,532.38	3/4	1,158.08	3/4	783.78	3/4	411.29	3/4	69.26	3/4		3/4		3/4	
9	2,273.19	9	1,898.89	9	1,524.58	9	1,150.28	9	775.98	9	403.74	9	62.74	9		9		9	
1/4	2,265.39	1/4	1,891.09	1/4	1,516.78	1/4	1,142.48	1/4	768.18	1/4	396.19	1/4	56.91	1/4		1/4		1/4	
1/2	2,257.60	1/2	1,883.30	1/2	1,508.99	1/2	1,134.69	1/2	760.38	1/2	388.64	1/2	51.07	1/2		1/2		1/2	
3/4	2,249.80	3/4	1,875.50	3/4	1,501.19	3/4	1,126.89	3/4	752.58	3/4	381.09	3/4	45.24	3/4		3/4		3/4	
10	2,242.00	10	1,867.70	10	1,493.39	10	1,119.09	10	744.78	10	373.54	10	39.40	10		10		10	
1/4	2,234.20	1/4	1,859.90	1/4	1,485.59	1/4	1,111.29	1/4	736.98	1/4	366.10	1/4	34.87	1/4		1/4		1/4	
1/2	2,226.41	1/2	1,852.10	1/2	1,477.80	1/2	1,103.50	1/2	729.19	1/2	358.66	1/2	30.35	1/2		1/2		1/2	
3/4	2,218.61	3/4	1,844.30	3/4	1,470.00	3/4	1,095.70	3/4	721.39	3/4	351.21	3/4	25.82	3/4		3/4		3/4	
11	2,210.81	11	1,836.50	11	1,462.20	11	1,087.90	11	713.59	11	343.77	11	21.29	11		11		11	
1/4	2,203.01	1/4	1,828.70	1/4	1,454.40	1/4	1,080.10	1/4	705.79	1/4	336.44	1/4		1/4		1/4		1/4	
1/2	2,195.22	1/2	1,820.91	1/2	1,446.61	1/2	1,072.30	1/2	698.00	1/2	329.11	1/2		1/2		1/2		1/2	
3/4	2,187.42	3/4	1,813.11	3/4	1,438.81	3/4	1,064.50	3/4	690.20	3/4	321.77	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/22/2003 INSP
RECALCULATED: 05/19/2020 PMA
REPRINTED: 05/19/2020 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "EBL 2998"

2 PORT ULLAGE TABLE

HERMETIC GAUGE HEIGHT 16'-11"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	5,035.19	0	4,673.94	0	4,312.69	0	3,951.44	0	3,590.20	0	3,228.95	0	2,867.70
1/4		1/4		1/4		1/4	5,027.66	1/4	4,666.42	1/4	4,305.17	1/4	3,943.92	1/4	3,582.67	1/4	3,221.42	1/4	2,860.18
1/2		1/2		1/2		1/2	5,020.14	1/2	4,658.89	1/2	4,297.64	1/2	3,936.39	1/2	3,575.15	1/2	3,213.90	1/2	2,852.65
3/4		3/4		3/4		3/4	5,012.61	3/4	4,651.37	3/4	4,290.12	3/4	3,928.87	3/4	3,567.62	3/4	3,206.37	3/4	2,845.13
1		1		1		1	5,005.08	1	4,643.84	1	4,282.59	1	3,921.34	1	3,560.09	1	3,198.84	1	2,837.60
1/4		1/4		1/4		1/4	4,997.56	1/4	4,636.31	1/4	4,275.06	1/4	3,913.82	1/4	3,552.57	1/4	3,191.32	1/4	2,830.07
1/2		1/2		1/2		1/2	4,990.03	1/2	4,628.79	1/2	4,267.54	1/2	3,906.29	1/2	3,545.04	1/2	3,183.79	1/2	2,822.55
3/4		3/4		3/4		3/4	4,982.51	3/4	4,621.26	3/4	4,260.01	3/4	3,898.77	3/4	3,537.52	3/4	3,176.27	3/4	2,815.02
2		2		2		2	4,974.98	2	4,613.73	2	4,252.48	2	3,891.24	2	3,529.99	2	3,168.74	2	2,807.49
1/4		1/4		1/4		1/4	4,967.46	1/4	4,606.21	1/4	4,244.96	1/4	3,883.71	1/4	3,522.46	1/4	3,161.22	1/4	2,799.97
1/2		1/2		1/2		1/2	4,959.93	1/2	4,598.68	1/2	4,237.43	1/2	3,876.19	1/2	3,514.94	1/2	3,153.69	1/2	2,792.44
3/4		3/4		3/4		3/4	4,952.41	3/4	4,591.16	3/4	4,229.91	3/4	3,868.66	3/4	3,507.41	3/4	3,146.17	3/4	2,784.92
3		3		3		3	4,944.88	3	4,583.63	3	4,222.38	3	3,861.13	3	3,499.88	3	3,138.64	3	2,777.39
1/4		1/4		1/4		1/4	4,937.35	1/4	4,576.10	1/4	4,214.86	1/4	3,853.61	1/4	3,492.36	1/4	3,131.11	1/4	2,769.86
1/2		1/2		1/2		1/2	4,929.83	1/2	4,568.58	1/2	4,207.33	1/2	3,846.08	1/2	3,484.83	1/2	3,123.59	1/2	2,762.34
3/4		3/4		3/4		3/4	4,922.30	3/4	4,561.05	3/4	4,199.81	3/4	3,838.56	3/4	3,477.31	3/4	3,116.06	3/4	2,754.81
4		4		4		4	4,914.77	4	4,553.52	4	4,192.28	4	3,831.03	4	3,469.78	4	3,108.53	4	2,747.28
1/4		1/4		1/4		1/4	4,907.25	1/4	4,546.00	1/4	4,184.75	1/4	3,823.50	1/4	3,462.26	1/4	3,101.01	1/4	2,739.76
1/2		1/2		1/2		1/2	4,899.72	1/2	4,538.47	1/2	4,177.23	1/2	3,815.98	1/2	3,454.73	1/2	3,093.48	1/2	2,732.23
3/4		3/4		3/4		3/4	4,892.20	3/4	4,530.95	3/4	4,169.70	3/4	3,808.45	3/4	3,447.21	3/4	3,085.96	3/4	2,724.71
5		5		5		5	4,884.67	5	4,523.42	5	4,162.17	5	3,800.92	5	3,439.68	5	3,078.43	5	2,717.18
1/4		1/4		1/4		1/4	4,877.14	1/4	4,515.90	1/4	4,154.65	1/4	3,793.40	1/4	3,432.15	1/4	3,070.90	1/4	2,709.66
1/2		1/2		1/2		1/2	5,149.02	1/2	4,869.62	1/2	4,508.37	1/2	4,147.12	1/2	3,785.87	1/2	3,424.63	1/2	3,063.38
3/4		3/4		3/4		3/4	5,148.68	3/4	4,862.09	3/4	4,500.85	3/4	4,139.60	3/4	3,778.35	3/4	3,417.10	3/4	3,055.85
6		6		6		6	5,148.34	6	4,854.56	6	4,493.32	6	4,132.07	6	3,770.82	6	3,409.57	6	3,048.32
1/4		1/4		1/4		1/4	5,146.98	1/4	4,847.04	1/4	4,485.79	1/4	4,124.54	1/4	3,763.30	1/4	3,402.05	1/4	3,040.80
1/2		1/2		1/2		1/2	5,145.62	1/2	4,839.51	1/2	4,478.27	1/2	4,117.02	1/2	3,755.77	1/2	3,394.52	1/2	3,033.27
3/4		3/4		3/4		3/4	5,144.25	3/4	4,831.99	3/4	4,470.74	3/4	4,109.49	3/4	3,748.25	3/4	3,387.00	3/4	3,025.75
7		7		7		7	5,142.89	7	4,824.46	7	4,463.21	7	4,101.96	7	3,740.72	7	3,379.47	7	3,018.22
1/4		1/4		1/4		1/4	5,140.16	1/4	4,816.94	1/4	4,455.69	1/4	4,094.44	1/4	3,733.19	1/4	3,371.94	1/4	3,010.70
1/2		1/2		1/2		1/2	5,137.43	1/2	4,809.41	1/2	4,448.16	1/2	4,086.91	1/2	3,725.67	1/2	3,364.42	1/2	3,003.17
3/4		3/4		3/4		3/4	5,134.69	3/4	4,801.89	3/4	4,440.64	3/4	4,079.39	3/4	3,718.14	3/4	3,356.89	3/4	2,995.65
8		8		8		8	5,131.96	8	4,794.36	8	4,433.11	8	4,071.86	8	3,710.61	8	3,349.36	8	2,988.12
1/4		1/4		1/4		1/4	5,127.61	1/4	4,786.83	1/4	4,425.58	1/4	4,064.34	1/4	3,703.09	1/4	3,341.84	1/4	2,980.59
1/2		1/2		1/2		1/2	5,123.26	1/2	4,779.31	1/2	4,418.06	1/2	4,056.81	1/2	3,695.56	1/2	3,334.31	1/2	2,973.07
3/4		3/4		3/4		3/4	5,118.90	3/4	4,771.78	3/4	4,410.53	3/4	4,049.29	3/4	3,688.04	3/4	3,326.79	3/4	2,965.54
9		9		9		9	5,114.55	9	4,764.25	9	4,403.00	9	4,041.76	9	3,680.51	9	3,319.26	9	2,958.01
1/4		1/4		1/4		1/4	5,109.08	1/4	4,756.73	1/4	4,395.48	1/4	4,034.23	1/4	3,672.98	1/4	3,311.74	1/4	2,950.49
1/2		1/2		1/2		1/2	5,103.61	1/2	4,749.20	1/2	4,387.95	1/2	4,026.71	1/2	3,665.46	1/2	3,304.21	1/2	2,942.96
3/4		3/4		3/4		3/4	5,098.13	3/4	4,741.68	3/4	4,380.43	3/4	4,019.18	3/4	3,657.93	3/4	3,296.69	3/4	2,935.44
10		10		10		10	5,092.66	10	4,734.15	10	4,372.90	10	4,011.65	10	3,650.40	10	3,289.16	10	2,927.91
1/4		1/4		1/4		1/4	5,085.82	1/4	4,726.62	1/4	4,365.38	1/4	4,004.13	1/4	3,642.88	1/4	3,281.63	1/4	2,920.38
1/2		1/2		1/2		1/2	5,078.98	1/2	4,719.10	1/2	4,357.85	1/2	3,996.60	1/2	3,635.35	1/2	3,274.11	1/2	2,912.86
3/4		3/4		3/4		3/4	5,072.13	3/4	4,711.57	3/4	4,350.33	3/4	3,989.08	3/4	3,627.83	3/4	3,266.58	3/4	2,905.33
11		11		11		11	5,065.29	11	4,704.04	11	4,342.80	11	3,981.55	11	3,620.30	11	3,259.05	11	2,897.80
1/4		1/4		1/4		1/4	5,057.77	1/4	4,696.52	1/4	4,335.27	1/4	3,974.02	1/4	3,612.78	1/4	3,251.53	1/4	2,890.28
1/2		1/2		1/2		1/2	5,050.24	1/2	4,688.99	1/2	4,327.75	1/2	3,966.50	1/2	3,605.25	1/2	3,244.00	1/2	2,882.75
3/4		3/4		3/4		3/4	5,042.72	3/4	4,681.47	3/4	4,320.22	3/4	3,958.97	3/4	3,597.73	3/4	3,236.48	3/4	2,875.23

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 WITH "HERMETIC" DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 13'-00" OFF CENTERLINE AND 45'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "EBL 2998"

2 PORT ULLAGE TABLE HERMETIC GAUGE HEIGHT 16'-11"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,506.45	0	2,145.20	0	1,783.96	0	1,422.71	0	1,061.46	0	700.21	0	338.96	0		0		0	
1/4	2,498.93	1/4	2,137.67	1/4	1,776.43	1/4	1,415.18	1/4	1,053.93	1/4	692.68	1/4	331.43	1/4		1/4		1/4	
1/2	2,491.40	1/2	2,130.15	1/2	1,768.90	1/2	1,407.65	1/2	1,046.41	1/2	685.16	1/2	323.91	1/2		1/2		1/2	
3/4	2,483.88	3/4	2,122.62	3/4	1,761.38	3/4	1,400.13	3/4	1,038.88	3/4	677.63	3/4	316.38	3/4		3/4		3/4	
1	2,476.35	1	2,115.10	1	1,753.85	1	1,392.60	1	1,031.36	1	670.11	1	308.86	1		1		1	
1/4	2,468.82	1/4	2,107.57	1/4	1,746.32	1/4	1,385.07	1/4	1,023.83	1/4	662.58	1/4	301.33	1/4		1/4		1/4	
1/2	2,461.30	1/2	2,100.05	1/2	1,738.80	1/2	1,377.55	1/2	1,016.30	1/2	655.05	1/2	293.81	1/2		1/2		1/2	
3/4	2,453.77	3/4	2,092.52	3/4	1,731.27	3/4	1,370.02	3/4	1,008.78	3/4	647.53	3/4	286.28	3/4		3/4		3/4	
2	2,446.24	2	2,085.00	2	1,723.75	2	1,362.50	2	1,001.25	2	640.00	2	278.76	2		2		2	
1/4	2,438.72	1/4	2,077.47	1/4	1,716.22	1/4	1,354.97	1/4	993.72	1/4	632.47	1/4	271.23	1/4		1/4		1/4	
1/2	2,431.19	1/2	2,069.94	1/2	1,708.69	1/2	1,347.45	1/2	986.20	1/2	624.95	1/2	263.70	1/2		1/2		1/2	
3/4	2,423.67	3/4	2,062.42	3/4	1,701.17	3/4	1,339.92	3/4	978.67	3/4	617.42	3/4	256.18	3/4		3/4		3/4	
3	2,416.14	3	2,054.89	3	1,693.64	3	1,332.40	3	971.15	3	609.90	3	248.65	3		3		3	
1/4	2,408.62	1/4	2,047.36	1/4	1,686.11	1/4	1,324.87	1/4	963.62	1/4	602.37	1/4	241.12	1/4		1/4		1/4	
1/2	2,401.09	1/2	2,039.84	1/2	1,678.59	1/2	1,317.34	1/2	956.09	1/2	594.85	1/2	233.60	1/2		1/2		1/2	
3/4	2,393.57	3/4	2,032.31	3/4	1,671.06	3/4	1,309.82	3/4	948.57	3/4	587.32	3/4	226.07	3/4		3/4		3/4	
4	2,386.04	4	2,024.79	4	1,663.54	4	1,302.29	4	941.04	4	579.80	4	218.55	4		4		4	
1/4	2,378.51	1/4	2,017.26	1/4	1,656.01	1/4	1,294.76	1/4	933.51	1/4	572.27	1/4	211.02	1/4		1/4		1/4	
1/2	2,370.99	1/2	2,009.73	1/2	1,648.49	1/2	1,287.24	1/2	925.99	1/2	564.74	1/2	203.49	1/2		1/2		1/2	
3/4	2,363.46	3/4	2,002.21	3/4	1,640.96	3/4	1,279.71	3/4	918.46	3/4	557.22	3/4	195.97	3/4		3/4		3/4	
5	2,355.93	5	1,994.68	5	1,633.44	5	1,272.19	5	910.94	5	549.69	5	188.44	5		5		5	
1/4	2,348.40	1/4	1,987.15	1/4	1,625.91	1/4	1,264.66	1/4	903.41	1/4	542.16	1/4	180.91	1/4		1/4		1/4	
1/2	2,340.88	1/2	1,979.63	1/2	1,618.38	1/2	1,257.13	1/2	895.89	1/2	534.64	1/2	173.39	1/2		1/2		1/2	
3/4	2,333.35	3/4	1,972.10	3/4	1,610.86	3/4	1,249.61	3/4	888.36	3/4	527.11	3/4	165.86	3/4		3/4		3/4	
6	2,325.83	6	1,964.58	6	1,603.33	6	1,242.08	6	880.84	6	519.59	6	158.34	6		6		6	
1/4	2,318.30	1/4	1,957.05	1/4	1,595.80	1/4	1,234.55	1/4	873.31	1/4	512.06	1/4	150.81	1/4		1/4		1/4	
1/2	2,310.77	1/2	1,949.53	1/2	1,588.28	1/2	1,227.03	1/2	865.78	1/2	504.53	1/2	143.29	1/2		1/2		1/2	
3/4	2,303.25	3/4	1,942.00	3/4	1,580.75	3/4	1,219.50	3/4	858.26	3/4	497.01	3/4	135.76	3/4		3/4		3/4	
7	2,295.72	7	1,934.48	7	1,573.23	7	1,211.98	7	850.73	7	489.48	7	128.24	7		7		7	
1/4	2,288.19	1/4	1,926.95	1/4	1,565.70	1/4	1,204.45	1/4	843.20	1/4	481.95	1/4	120.71	1/4		1/4		1/4	
1/2	2,280.67	1/2	1,919.42	1/2	1,558.17	1/2	1,196.93	1/2	835.68	1/2	474.43	1/2	113.18	1/2		1/2		1/2	
3/4	2,273.14	3/4	1,911.90	3/4	1,550.65	3/4	1,189.40	3/4	828.15	3/4	466.90	3/4	105.66	3/4		3/4		3/4	
8	2,265.62	8	1,904.37	8	1,543.12	8	1,181.88	8	820.63	8	459.38	8	98.13	8		8		8	
1/4	2,258.09	1/4	1,896.84	1/4	1,535.59	1/4	1,174.35	1/4	813.10	1/4	451.85	1/4	90.60	1/4		1/4		1/4	
1/2	2,250.57	1/2	1,889.32	1/2	1,528.07	1/2	1,166.82	1/2	805.57	1/2	444.33	1/2	83.08	1/2		1/2		1/2	
3/4	2,243.04	3/4	1,881.79	3/4	1,520.54	3/4	1,159.30	3/4	798.05	3/4	436.80	3/4	75.55	3/4		3/4		3/4	
9	2,235.52	9	1,874.27	9	1,513.02	9	1,151.77	9	790.52	9	429.28	9	68.03	9		9		9	
1/4	2,227.99	1/4	1,866.74	1/4	1,505.49	1/4	1,144.24	1/4	782.99	1/4	421.75	1/4	61.55	1/4		1/4		1/4	
1/2	2,220.46	1/2	1,859.21	1/2	1,497.97	1/2	1,136.72	1/2	775.47	1/2	414.22	1/2	55.07	1/2		1/2		1/2	
3/4	2,212.94	3/4	1,851.69	3/4	1,490.44	3/4	1,129.19	3/4	767.94	3/4	406.70	3/4	48.59	3/4		3/4		3/4	
10	2,205.41	10	1,844.16	10	1,482.92	10	1,121.67	10	760.42	10	399.17	10	42.11	10		10		10	
1/4	2,197.88	1/4	1,836.63	1/4	1,475.39	1/4	1,114.14	1/4	752.89	1/4	391.64	1/4	37.09	1/4		1/4		1/4	
1/2	2,190.36	1/2	1,829.11	1/2	1,467.86	1/2	1,106.61	1/2	745.37	1/2	384.12	1/2	32.08	1/2		1/2		1/2	
3/4	2,182.83	3/4	1,821.58	3/4	1,460.34	3/4	1,099.09	3/4	737.84	3/4	376.59	3/4	27.06	3/4		3/4		3/4	
11	2,175.31	11	1,814.06	11	1,452.81	11	1,091.56	11	730.32	11	369.07	11	22.05	11		11		11	
1/4	2,167.78	1/4	1,806.53	1/4	1,445.28	1/4	1,084.03	1/4	722.79	1/4	361.54	1/4		1/4		1/4		1/4	
1/2	2,160.25	1/2	1,799.01	1/2	1,437.76	1/2	1,076.51	1/2	715.26	1/2	354.01	1/2		1/2		1/2		1/2	
3/4	2,152.73	3/4	1,791.48	3/4	1,430.23	3/4	1,068.98	3/4	707.74	3/4	346.49	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/22/2003 INSP
RECALCULATED: 05/19/2020 PMA
REPRINTED: 05/19/2020 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2020

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



BARGE "EBL 2998"

2 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 16'-10 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	5,020.14	0	4,658.89	0	4,297.64	0	3,936.39	0	3,575.15	0	3,213.90	0	2,852.65
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,012.61	1/4	4,651.37	1/4	4,290.12	1/4	3,928.87	1/4	3,567.62	1/4	3,206.37	1/4	2,845.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,005.08	1/2	4,643.84	1/2	4,282.59	1/2	3,921.34	1/2	3,560.09	1/2	3,198.84	1/2	2,837.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,997.56	3/4	4,636.31	3/4	4,275.06	3/4	3,913.82	3/4	3,552.57	3/4	3,191.32	3/4	2,830.07
1	1	1	1	1	1	1	4,990.03	1	4,628.79	1	4,267.54	1	3,906.29	1	3,545.04	1	3,183.79	1	2,822.55
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,982.51	1/4	4,621.26	1/4	4,260.01	1/4	3,898.77	1/4	3,537.52	1/4	3,176.27	1/4	2,815.02
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,974.98	1/2	4,613.73	1/2	4,252.48	1/2	3,891.24	1/2	3,529.99	1/2	3,168.74	1/2	2,807.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,967.46	3/4	4,606.21	3/4	4,244.96	3/4	3,883.71	3/4	3,522.46	3/4	3,161.22	3/4	2,799.97
2	2	2	2	2	2	2	4,959.93	2	4,598.68	2	4,237.43	2	3,876.19	2	3,514.94	2	3,153.69	2	2,792.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,952.41	1/4	4,591.16	1/4	4,229.91	1/4	3,868.66	1/4	3,507.41	1/4	3,146.17	1/4	2,784.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,944.88	1/2	4,583.63	1/2	4,222.38	1/2	3,861.13	1/2	3,499.88	1/2	3,138.64	1/2	2,777.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,937.35	3/4	4,576.10	3/4	4,214.86	3/4	3,853.61	3/4	3,492.36	3/4	3,131.11	3/4	2,769.86
3	3	3	3	3	3	3	4,929.83	3	4,568.58	3	4,207.33	3	3,846.08	3	3,484.83	3	3,123.59	3	2,762.34
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,922.30	1/4	4,561.05	1/4	4,199.81	1/4	3,838.56	1/4	3,477.31	1/4	3,116.06	1/4	2,754.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,914.77	1/2	4,553.52	1/2	4,192.28	1/2	3,831.03	1/2	3,469.78	1/2	3,108.53	1/2	2,747.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,907.25	3/4	4,546.00	3/4	4,184.75	3/4	3,823.50	3/4	3,462.26	3/4	3,101.01	3/4	2,739.76
4	4	4	4	4	4	4	4,899.72	4	4,538.47	4	4,177.23	4	3,815.98	4	3,454.73	4	3,093.48	4	2,732.23
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,892.20	1/4	4,530.95	1/4	4,169.70	1/4	3,808.45	1/4	3,447.21	1/4	3,085.96	1/4	2,724.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,884.67	1/2	4,523.42	1/2	4,162.17	1/2	3,800.92	1/2	3,439.68	1/2	3,078.43	1/2	2,717.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,877.14	3/4	4,515.90	3/4	4,154.65	3/4	3,793.40	3/4	3,432.15	3/4	3,070.90	3/4	2,709.66
5	5	5	5,149.02	5	4,869.62	5	4,509.37	5	4,147.12	5	3,785.87	5	3,424.63	5	3,063.38	5	2,702.13		
1/4	1/4	1/4	5,148.68	1/4	4,862.09	1/4	4,500.85	1/4	4,139.60	1/4	3,778.35	1/4	3,417.10	1/4	3,055.85	1/4	2,694.61		
1/2	1/2	1/2	5,148.34	1/2	4,854.56	1/2	4,493.32	1/2	4,132.07	1/2	3,770.82	1/2	3,409.57	1/2	3,048.32	1/2	2,687.08		
3/4	3/4	3/4	5,146.98	3/4	4,847.04	3/4	4,485.79	3/4	4,124.54	3/4	3,763.30	3/4	3,402.05	3/4	3,040.80	3/4	2,679.55		
6	6	6	5,145.62	6	4,839.51	6	4,478.27	6	4,117.02	6	3,755.77	6	3,394.52	6	3,033.27	6	2,672.03		
1/4	1/4	1/4	5,144.25	1/4	4,831.99	1/4	4,470.74	1/4	4,109.49	1/4	3,748.25	1/4	3,387.00	1/4	3,025.75	1/4	2,664.50		
1/2	1/2	1/2	5,142.89	1/2	4,824.46	1/2	4,463.21	1/2	4,101.96	1/2	3,740.72	1/2	3,379.47	1/2	3,018.22	1/2	2,656.97		
3/4	3/4	3/4	5,140.16	3/4	4,816.94	3/4	4,455.69	3/4	4,094.44	3/4	3,733.19	3/4	3,371.94	3/4	3,010.70	3/4	2,649.45		
7	7	7	5,137.43	7	4,809.41	7	4,448.16	7	4,086.91	7	3,725.67	7	3,364.42	7	3,003.17	7	2,641.92		
1/4	1/4	1/4	5,134.69	1/4	4,801.89	1/4	4,440.64	1/4	4,079.39	1/4	3,718.14	1/4	3,356.89	1/4	2,995.65	1/4	2,634.40		
1/2	1/2	1/2	5,131.96	1/2	4,794.36	1/2	4,433.11	1/2	4,071.86	1/2	3,710.61	1/2	3,349.36	1/2	2,988.12	1/2	2,626.87		
3/4	3/4	3/4	5,127.61	3/4	4,786.83	3/4	4,425.58	3/4	4,064.34	3/4	3,703.09	3/4	3,341.84	3/4	2,980.59	3/4	2,619.34		
8	8	8	5,123.26	8	4,779.31	8	4,418.06	8	4,056.81	8	3,695.56	8	3,334.31	8	2,973.07	8	2,611.82		
1/4	1/4	1/4	5,118.90	1/4	4,771.78	1/4	4,410.53	1/4	4,049.29	1/4	3,688.04	1/4	3,326.79	1/4	2,965.54	1/4	2,604.29		
1/2	1/2	1/2	5,114.55	1/2	4,764.25	1/2	4,403.00	1/2	4,041.76	1/2	3,680.51	1/2	3,319.26	1/2	2,958.01	1/2	2,596.76		
3/4	3/4	3/4	5,109.08	3/4	4,756.73	3/4	4,395.48	3/4	4,034.23	3/4	3,672.98	3/4	3,311.74	3/4	2,950.49	3/4	2,589.24		
9	9	9	5,103.61	9	4,749.20	9	4,387.95	9	4,026.71	9	3,665.46	9	3,304.21	9	2,942.96	9	2,581.71		
1/4	1/4	1/4	5,098.13	1/4	4,741.68	1/4	4,380.43	1/4	4,019.18	1/4	3,657.93	1/4	3,296.69	1/4	2,935.44	1/4	2,574.19		
1/2	1/2	1/2	5,092.66	1/2	4,734.15	1/2	4,372.90	1/2	4,011.65	1/2	3,650.40	1/2	3,289.16	1/2	2,927.91	1/2	2,566.66		
3/4	3/4	3/4	5,085.82	3/4	4,726.62	3/4	4,365.38	3/4	4,004.13	3/4	3,642.88	3/4	3,281.63	3/4	2,920.38	3/4	2,559.14		
10	10	10	5,078.98	10	4,719.10	10	4,357.85	10	3,996.60	10	3,635.35	10	3,274.11	10	2,912.86	10	2,551.61		
1/4	1/4	1/4	5,072.13	1/4	4,711.57	1/4	4,350.33	1/4	3,989.08	1/4	3,627.83	1/4	3,266.58	1/4	2,905.33	1/4	2,544.09		
1/2	1/2	1/2	5,065.29	1/2	4,704.04	1/2	4,342.80	1/2	3,981.55	1/2	3,620.30	1/2	3,259.05	1/2	2,897.80	1/2	2,536.56		
3/4	3/4	3/4	5,057.77	3/4	4,696.52	3/4	4,335.27	3/4	3,974.02	3/4	3,612.78	3/4	3,251.53	3/4	2,890.28	3/4	2,529.03		
11	11	11	5,050.24	11	4,688.99	11	4,327.75	11	3,966.50	11	3,605.25	11	3,244.00	11	2,882.75	11	2,521.51		
1/4	1/4	1/4	5,042.72	1/4	4,681.47	1/4	4,320.22	1/4	3,958.97	1/4	3,597.73	1/4	3,236.48	1/4	2,875.23	1/4	2,513.98		
1/2	1/2	1/2	5,035.19	1/2	4,673.94	1/2	4,312.69	1/2	3,951.44	1/2	3,590.20	1/2	3,228.95	1/2	2,867.70	1/2	2,506.45		
3/4	3/4	3/4	5,027.66	3/4	4,666.42	3/4	4,305.17	3/4	3,943.92	3/4	3,582.67	3/4	3,221.42	3/4	2,860.18	3/4	2,498.93		

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 WITH "HERMETIC" DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 13'-00" OFF CENTERLINE AND 45'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "EBL 2998"

2 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 16'-10 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,491.40	0	2,130.15	0	1,768.90	0	1,407.65	0	1,046.41	0	685.16	0	323.91	0		0		0	
1/4	2,483.88	1/4	2,122.62	1/4	1,761.38	1/4	1,400.13	1/4	1,038.88	1/4	677.63	1/4	316.38	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,476.35	1/2	2,115.10	1/2	1,753.85	1/2	1,392.60	1/2	1,031.36	1/2	670.11	1/2	308.86	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,468.82	3/4	2,107.57	3/4	1,746.32	3/4	1,385.07	3/4	1,023.83	3/4	662.58	3/4	301.33	3/4	3/4	3/4	3/4	3/4	3/4
1	2,461.30	1	2,100.05	1	1,738.80	1	1,377.55	1	1,016.30	1	655.05	1	293.81	1	1	1	1	1	1
1/4	2,453.77	1/4	2,092.52	1/4	1,731.27	1/4	1,370.02	1/4	1,008.78	1/4	647.53	1/4	286.28	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,446.24	1/2	2,085.00	1/2	1,723.75	1/2	1,362.50	1/2	1,001.25	1/2	640.00	1/2	278.76	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,438.72	3/4	2,077.47	3/4	1,716.22	3/4	1,354.97	3/4	993.72	3/4	632.47	3/4	271.23	3/4	3/4	3/4	3/4	3/4	3/4
2	2,431.19	2	2,069.94	2	1,708.69	2	1,347.45	2	986.20	2	624.95	2	263.70	2	2	2	2	2	2
1/4	2,423.67	1/4	2,062.42	1/4	1,701.17	1/4	1,339.92	1/4	978.67	1/4	617.42	1/4	256.18	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,416.14	1/2	2,054.89	1/2	1,693.64	1/2	1,332.40	1/2	971.15	1/2	609.90	1/2	248.65	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,408.62	3/4	2,047.36	3/4	1,686.11	3/4	1,324.87	3/4	963.62	3/4	602.37	3/4	241.12	3/4	3/4	3/4	3/4	3/4	3/4
3	2,401.09	3	2,039.84	3	1,678.59	3	1,317.34	3	956.09	3	594.85	3	233.60	3	3	3	3	3	3
1/4	2,393.57	1/4	2,032.31	1/4	1,671.06	1/4	1,309.82	1/4	948.57	1/4	587.32	1/4	226.07	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,386.04	1/2	2,024.79	1/2	1,663.54	1/2	1,302.29	1/2	941.04	1/2	579.80	1/2	218.55	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,378.51	3/4	2,017.26	3/4	1,656.01	3/4	1,294.76	3/4	933.51	3/4	572.27	3/4	211.02	3/4	3/4	3/4	3/4	3/4	3/4
4	2,370.99	4	2,009.73	4	1,648.49	4	1,287.24	4	925.99	4	564.74	4	203.49	4	4	4	4	4	4
1/4	2,363.46	1/4	2,002.21	1/4	1,640.96	1/4	1,279.71	1/4	918.46	1/4	557.22	1/4	195.97	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,355.93	1/2	1,994.68	1/2	1,633.44	1/2	1,272.19	1/2	910.94	1/2	549.69	1/2	188.44	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,348.40	3/4	1,987.15	3/4	1,625.91	3/4	1,264.66	3/4	903.41	3/4	542.16	3/4	180.91	3/4	3/4	3/4	3/4	3/4	3/4
5	2,340.88	5	1,979.63	5	1,618.38	5	1,257.13	5	895.89	5	534.64	5	173.39	5	5	5	5	5	5
1/4	2,333.35	1/4	1,972.10	1/4	1,610.86	1/4	1,249.61	1/4	888.36	1/4	527.11	1/4	165.86	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,325.83	1/2	1,964.58	1/2	1,603.33	1/2	1,242.08	1/2	880.84	1/2	519.59	1/2	158.34	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,318.30	3/4	1,957.05	3/4	1,595.80	3/4	1,234.55	3/4	873.31	3/4	512.06	3/4	150.81	3/4	3/4	3/4	3/4	3/4	3/4
6	2,310.77	6	1,949.53	6	1,588.28	6	1,227.03	6	865.78	6	504.53	6	143.29	6	6	6	6	6	6
1/4	2,303.25	1/4	1,942.00	1/4	1,580.75	1/4	1,219.50	1/4	858.26	1/4	497.01	1/4	135.76	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,295.72	1/2	1,934.48	1/2	1,573.23	1/2	1,211.98	1/2	850.73	1/2	489.48	1/2	128.24	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,288.19	3/4	1,926.95	3/4	1,565.70	3/4	1,204.45	3/4	843.20	3/4	481.95	3/4	120.71	3/4	3/4	3/4	3/4	3/4	3/4
7	2,280.67	7	1,919.42	7	1,558.17	7	1,196.93	7	835.68	7	474.43	7	113.18	7	7	7	7	7	7
1/4	2,273.14	1/4	1,911.90	1/4	1,550.65	1/4	1,189.40	1/4	828.15	1/4	466.90	1/4	105.66	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,265.62	1/2	1,904.37	1/2	1,543.12	1/2	1,181.88	1/2	820.63	1/2	459.38	1/2	98.13	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,258.09	3/4	1,896.84	3/4	1,535.59	3/4	1,174.35	3/4	813.10	3/4	451.85	3/4	90.60	3/4	3/4	3/4	3/4	3/4	3/4
8	2,250.57	8	1,889.32	8	1,528.07	8	1,166.82	8	805.57	8	444.33	8	83.08	8	8	8	8	8	8
1/4	2,243.04	1/4	1,881.79	1/4	1,520.54	1/4	1,159.30	1/4	798.05	1/4	436.80	1/4	75.55	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,235.52	1/2	1,874.27	1/2	1,513.02	1/2	1,151.77	1/2	790.52	1/2	429.28	1/2	68.03	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,227.99	3/4	1,866.74	3/4	1,505.49	3/4	1,144.24	3/4	782.99	3/4	421.75	3/4	61.55	3/4	3/4	3/4	3/4	3/4	3/4
9	2,220.46	9	1,859.21	9	1,497.97	9	1,136.72	9	775.47	9	414.22	9	55.07	9	9	9	9	9	9
1/4	2,212.94	1/4	1,851.69	1/4	1,490.44	1/4	1,129.19	1/4	767.94	1/4	406.70	1/4	48.59	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,205.41	1/2	1,844.16	1/2	1,482.92	1/2	1,121.67	1/2	760.42	1/2	399.17	1/2	42.11	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,197.88	3/4	1,836.63	3/4	1,475.39	3/4	1,114.14	3/4	752.89	3/4	391.64	3/4	37.09	3/4	3/4	3/4	3/4	3/4	3/4
10	2,190.36	10	1,829.11	10	1,467.86	10	1,106.61	10	745.37	10	384.12	10	32.08	10	10	10	10	10	10
1/4	2,182.83	1/4	1,821.58	1/4	1,460.34	1/4	1,099.09	1/4	737.84	1/4	376.59	1/4	27.06	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,175.31	1/2	1,814.06	1/2	1,452.81	1/2	1,091.56	1/2	730.32	1/2	369.07	1/2	22.05	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,167.78	3/4	1,806.53	3/4	1,445.28	3/4	1,084.03	3/4	722.79	3/4	361.54	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	2,160.25	11	1,799.01	11	1,437.76	11	1,076.51	11	715.26	11	354.01	11		11	11	11	11	11	11
1/4	2,152.73	1/4	1,791.48	1/4	1,430.23	1/4	1,068.98	1/4	707.74	1/4	346.49	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,145.20	1/2	1,783.96	1/2	1,422.71	1/2	1,061.46	1/2	700.21	1/2	338.96	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,137.67	3/4	1,776.43	3/4	1,415.18	3/4	1,053.93	3/4	692.68	3/4	331.43	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/22/2003 INSP
RECALCULATED: 05/19/2020 PMA
REPRINTED: 05/19/2020 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2020

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



BARGE "EBL 2998"

3 PORT ULLAGE TABLE

HERMETIC GAUGE HEIGHT 16'-10"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	4,158.05	0	4,045.83	0	3,933.61	0	3,821.38	0	3,673.19	0	3,504.35	0	2,932.06
1/4		1/4		1/4		1/4	4,155.71	1/4	4,043.49	1/4	3,931.27	1/4	3,819.04	1/4	3,666.17	1/4	3,296.59	1/4	2,924.30
1/2		1/2		1/2		1/2	4,153.38	1/2	4,041.16	1/2	3,928.93	1/2	3,816.71	1/2	3,659.15	1/2	3,288.83	1/2	2,916.55
3/4		3/4		3/4		3/4	4,151.04	3/4	4,038.82	3/4	3,926.59	3/4	3,814.37	3/4	3,652.14	3/4	3,281.08	3/4	2,908.79
1		1		1		1	4,148.70	1	4,036.48	1	3,924.25	1	3,812.03	1	3,645.12	1	3,273.32	1	2,901.04
1/4		1/4		1/4		1/4	4,146.36	1/4	4,034.14	1/4	3,921.91	1/4	3,809.69	1/4	3,637.49	1/4	3,265.56	1/4	2,893.28
1/2		1/2		1/2		1/2	4,144.03	1/2	4,031.81	1/2	3,919.58	1/2	3,807.36	1/2	3,629.85	1/2	3,257.81	1/2	2,885.52
3/4		3/4		3/4		3/4	4,141.69	3/4	4,029.47	3/4	3,917.24	3/4	3,805.02	3/4	3,622.22	3/4	3,250.05	3/4	2,877.77
2		2		2		2	4,139.35	2	4,027.13	2	3,914.90	2	3,802.68	2	3,614.59	2	3,242.30	2	2,870.01
1/4		1/4		1/4		1/4	4,137.01	1/4	4,024.79	1/4	3,912.56	1/4	3,800.34	1/4	3,606.83	1/4	3,234.54	1/4	2,862.25
1/2		1/2		1/2		1/2	4,134.68	1/2	4,022.45	1/2	3,910.23	1/2	3,798.00	1/2	3,599.07	1/2	3,226.79	1/2	2,854.50
3/4		3/4		3/4		3/4	4,132.34	3/4	4,020.11	3/4	3,907.89	3/4	3,795.67	3/4	3,591.32	3/4	3,219.03	3/4	2,846.74
3		3		3		3	4,130.00	3	4,017.77	3	3,905.55	3	3,793.33	3	3,583.56	3	3,211.28	3	2,838.99
1/4		1/4		1/4		1/4	4,127.66	1/4	4,015.43	1/4	3,903.21	1/4	3,790.99	1/4	3,575.80	1/4	3,203.52	1/4	2,831.23
1/2		1/2		1/2		1/2	4,125.33	1/2	4,013.10	1/2	3,900.88	1/2	3,788.65	1/2	3,568.05	1/2	3,195.76	1/2	2,823.47
3/4		3/4		3/4		3/4	4,122.99	3/4	4,010.76	3/4	3,898.54	3/4	3,786.31	3/4	3,560.29	3/4	3,188.01	3/4	2,815.72
4		4		4		4	4,120.65	4	4,008.42	4	3,896.20	4	3,783.97	4	3,552.54	4	3,180.25	4	2,807.96
1/4		1/4		1/4		1/4	4,118.31	1/4	4,006.08	1/4	3,893.86	1/4	3,781.63	1/4	3,544.78	1/4	3,172.49	1/4	2,800.20
1/2		1/2		1/2		1/2	4,115.97	1/2	4,003.75	1/2	3,891.53	1/2	3,779.29	1/2	3,537.03	1/2	3,164.74	1/2	2,792.45
3/4		3/4		3/4		3/4	4,113.63	3/4	4,001.41	3/4	3,889.19	3/4	3,776.96	3/4	3,529.27	3/4	3,156.98	3/4	2,784.69
5		5		5		5	4,198.88	5	4,111.29	5	3,999.07	5	3,888.85	5	3,774.62	5	3,521.52	5	3,149.23
1/4		1/4		1/4		1/4	4,198.44	1/4	4,108.95	1/4	3,996.73	1/4	3,884.51	1/4	3,772.28	1/4	3,513.76	1/4	3,141.47
1/2		1/2		1/2		1/2	4,198.10	1/2	4,106.62	1/2	3,994.40	1/2	3,882.17	1/2	3,769.94	1/2	3,506.00	1/2	3,133.71
3/4		3/4		3/4		3/4	4,197.76	3/4	4,104.28	3/4	3,992.06	3/4	3,879.83	3/4	3,767.61	3/4	3,498.25	3/4	3,125.96
6		6		6		6	4,197.42	6	4,101.94	6	3,989.72	6	3,877.49	6	3,765.27	6	3,490.49	6	3,118.20
1/4		1/4		1/4		1/4	4,196.68	1/4	4,099.60	1/4	3,987.38	1/4	3,875.15	1/4	3,762.93	1/4	3,482.73	1/4	3,110.44
1/2		1/2		1/2		1/2	4,195.95	1/2	4,097.27	1/2	3,985.05	1/2	3,872.82	1/2	3,760.59	1/2	3,474.98	1/2	3,102.69
3/4		3/4		3/4		3/4	4,195.21	3/4	4,094.93	3/4	3,982.71	3/4	3,870.48	3/4	3,758.26	3/4	3,467.22	3/4	3,094.93
7		7		7		7	4,194.47	7	4,092.59	7	3,980.37	7	3,868.14	7	3,755.92	7	3,459.47	7	3,087.18
1/4		1/4		1/4		1/4	4,193.30	1/4	4,090.25	1/4	3,978.03	1/4	3,865.80	1/4	3,753.52	1/4	3,451.71	1/4	3,079.42
1/2		1/2		1/2		1/2	4,192.14	1/2	4,087.92	1/2	3,975.69	1/2	3,863.47	1/2	3,751.12	1/2	3,443.95	1/2	3,071.67
3/4		3/4		3/4		3/4	4,190.97	3/4	4,085.58	3/4	3,973.35	3/4	3,861.13	3/4	3,748.72	3/4	3,436.20	3/4	3,063.91
8		8		8		8	4,189.80	8	4,083.24	8	3,971.01	8	3,858.79	8	3,746.32	8	3,428.44	8	3,056.16
1/4		1/4		1/4		1/4	4,188.43	1/4	4,080.90	1/4	3,968.67	1/4	3,856.45	1/4	3,743.18	1/4	3,420.68	1/4	3,048.40
1/2		1/2		1/2		1/2	4,187.07	1/2	4,078.57	1/2	3,966.34	1/2	3,854.12	1/2	3,740.04	1/2	3,412.93	1/2	3,040.64
3/4		3/4		3/4		3/4	4,185.70	3/4	4,076.23	3/4	3,964.00	3/4	3,851.78	3/4	3,736.90	3/4	3,405.17	3/4	3,032.89
9		9		9		9	4,184.33	9	4,073.89	9	3,961.66	9	3,849.44	9	3,733.76	9	3,397.42	9	3,025.13
1/4		1/4		1/4		1/4	4,182.39	1/4	4,071.55	1/4	3,959.32	1/4	3,847.10	1/4	3,729.70	1/4	3,389.66	1/4	3,017.37
1/2		1/2		1/2		1/2	4,180.44	1/2	4,069.21	1/2	3,956.99	1/2	3,844.77	1/2	3,725.64	1/2	3,381.91	1/2	3,009.62
3/4		3/4		3/4		3/4	4,178.50	3/4	4,066.87	3/4	3,954.65	3/4	3,842.43	3/4	3,721.58	3/4	3,374.15	3/4	3,001.86
10		10		10		10	4,176.55	10	4,064.53	10	3,952.31	10	3,840.09	10	3,717.52	10	3,366.40	10	2,994.11
1/4		1/4		1/4		1/4	4,174.27	1/4	4,062.19	1/4	3,949.97	1/4	3,837.75	1/4	3,712.47	1/4	3,358.64	1/4	2,986.35
1/2		1/2		1/2		1/2	4,171.98	1/2	4,059.86	1/2	3,947.64	1/2	3,835.41	1/2	3,707.42	1/2	3,350.88	1/2	2,978.59
3/4		3/4		3/4		3/4	4,169.70	3/4	4,057.52	3/4	3,945.30	3/4	3,833.07	3/4	3,702.38	3/4	3,343.13	3/4	2,970.84
11		11		11		11	4,167.41	11	4,055.18	11	3,942.96	11	3,830.73	11	3,697.33	11	3,335.37	11	2,963.08
1/4		1/4		1/4		1/4	4,165.07	1/4	4,052.84	1/4	3,940.62	1/4	3,828.39	1/4	3,691.29	1/4	3,327.61	1/4	2,955.32
1/2		1/2		1/2		1/2	4,162.73	1/2	4,050.51	1/2	3,938.29	1/2	3,826.06	1/2	3,685.26	1/2	3,319.86	1/2	2,947.57
3/4		3/4		3/4		3/4	4,160.39	3/4	4,048.17	3/4	3,935.95	3/4	3,823.72	3/4	3,679.22	3/4	3,312.10	3/4	2,939.81

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 WITH "HERMETIC" DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 13'-00" OFF CENTERLINE AND 65'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "EBL 2998"

3 PORT ULLAGE TABLE HERMETIC GAUGE HEIGHT 16'-10"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,559.77	0	2,187.48	0	1,815.20	0	1,442.91	0	1,070.62	0	698.33	0	326.04	0		0		0	
1/4	2,552.01	1/4	2,179.72	1/4	1,807.44	1/4	1,435.15	1/4	1,062.86	1/4	690.57	1/4	318.33	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,544.26	1/2	2,171.97	1/2	1,799.68	1/2	1,427.39	1/2	1,055.11	1/2	682.82	1/2	310.62	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,536.50	3/4	2,164.21	3/4	1,791.93	3/4	1,419.64	3/4	1,047.35	3/4	675.06	3/4	302.91	3/4	3/4	3/4	3/4	3/4	3/4
1	2,528.75	1	2,156.46	1	1,784.17	1	1,411.88	1	1,039.60	1	667.31	1	295.20	1	1	1	1	1	1
1/4	2,520.99	1/4	2,148.70	1/4	1,776.41	1/4	1,404.12	1/4	1,031.84	1/4	659.55	1/4	287.40	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,513.23	1/2	2,140.95	1/2	1,768.66	1/2	1,396.37	1/2	1,024.08	1/2	651.79	1/2	279.60	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,505.48	3/4	2,133.19	3/4	1,760.90	3/4	1,388.61	3/4	1,016.33	3/4	644.04	3/4	271.80	3/4	3/4	3/4	3/4	3/4	3/4
2	2,497.72	2	2,125.44	2	1,753.15	2	1,380.86	2	1,008.57	2	636.28	2	264.00	2	2	2	2	2	2
1/4	2,489.96	1/4	2,117.68	1/4	1,745.39	1/4	1,373.10	1/4	1,000.81	1/4	628.52	1/4	256.24	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,482.21	1/2	2,109.92	1/2	1,737.63	1/2	1,365.35	1/2	993.06	1/2	620.77	1/2	248.48	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,474.45	3/4	2,102.17	3/4	1,729.88	3/4	1,357.59	3/4	985.30	3/4	613.01	3/4	240.73	3/4	3/4	3/4	3/4	3/4	3/4
3	2,466.70	3	2,094.41	3	1,722.12	3	1,349.84	3	977.55	3	605.26	3	232.97	3	3	3	3	3	3
1/4	2,458.94	1/4	2,086.65	1/4	1,714.36	1/4	1,342.08	1/4	969.79	1/4	597.50	1/4	225.21	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,451.19	1/2	2,078.90	1/2	1,706.61	1/2	1,334.32	1/2	962.03	1/2	589.75	1/2	217.46	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,443.43	3/4	2,071.14	3/4	1,698.85	3/4	1,326.57	3/4	954.28	3/4	581.99	3/4	209.70	3/4	3/4	3/4	3/4	3/4	3/4
4	2,435.68	4	2,063.39	4	1,691.10	4	1,318.81	4	946.52	4	574.24	4	201.95	4	4	4	4	4	4
1/4	2,427.92	1/4	2,055.63	1/4	1,683.34	1/4	1,311.05	1/4	938.76	1/4	566.48	1/4	194.19	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,420.16	1/2	2,047.87	1/2	1,675.59	1/2	1,303.30	1/2	931.01	1/2	558.72	1/2	186.43	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,412.41	3/4	2,040.12	3/4	1,667.83	3/4	1,295.54	3/4	923.25	3/4	550.97	3/4	178.68	3/4	3/4	3/4	3/4	3/4	3/4
5	2,404.65	5	2,032.36	5	1,660.08	5	1,287.79	5	915.50	5	543.21	5	170.92	5	5	5	5	5	5
1/4	2,396.89	1/4	2,024.60	1/4	1,652.32	1/4	1,280.03	1/4	907.74	1/4	535.45	1/4	163.16	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,389.14	1/2	2,016.85	1/2	1,644.56	1/2	1,272.27	1/2	899.99	1/2	527.70	1/2	155.41	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,381.38	3/4	2,009.09	3/4	1,636.81	3/4	1,264.52	3/4	892.23	3/4	519.94	3/4	147.65	3/4	3/4	3/4	3/4	3/4	3/4
6	2,373.63	6	2,001.34	6	1,629.05	6	1,256.76	6	884.48	6	512.19	6	139.90	6	6	6	6	6	6
1/4	2,365.87	1/4	1,993.58	1/4	1,621.29	1/4	1,249.00	1/4	876.72	1/4	504.43	1/4	132.14	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,358.11	1/2	1,985.83	1/2	1,613.54	1/2	1,241.25	1/2	868.96	1/2	496.67	1/2	124.39	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,350.36	3/4	1,978.07	3/4	1,605.78	3/4	1,233.49	3/4	861.21	3/4	488.92	3/4	116.63	3/4	3/4	3/4	3/4	3/4	3/4
7	2,342.60	7	1,970.32	7	1,598.03	7	1,225.74	7	853.45	7	481.16	7	108.88	7	7	7	7	7	7
1/4	2,334.84	1/4	1,962.56	1/4	1,590.27	1/4	1,217.98	1/4	845.69	1/4	473.40	1/4	101.12	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,327.09	1/2	1,954.80	1/2	1,582.51	1/2	1,210.23	1/2	837.94	1/2	465.65	1/2	93.36	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,319.33	3/4	1,947.05	3/4	1,574.76	3/4	1,202.47	3/4	830.18	3/4	457.89	3/4	85.61	3/4	3/4	3/4	3/4	3/4	3/4
8	2,311.58	8	1,939.29	8	1,567.00	8	1,194.72	8	822.43	8	450.14	8	77.85	8	8	8	8	8	8
1/4	2,303.82	1/4	1,931.53	1/4	1,559.24	1/4	1,186.96	1/4	814.67	1/4	442.38	1/4	70.74	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,296.07	1/2	1,923.78	1/2	1,551.49	1/2	1,179.20	1/2	806.91	1/2	434.63	1/2	63.63	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,288.31	3/4	1,916.02	3/4	1,543.73	3/4	1,171.45	3/4	799.16	3/4	426.87	3/4	56.52	3/4	3/4	3/4	3/4	3/4	3/4
9	2,280.56	9	1,908.27	9	1,535.98	9	1,163.69	9	791.40	9	419.12	9	49.41	9	9	9	9	9	9
1/4	2,272.80	1/4	1,900.51	1/4	1,528.22	1/4	1,155.93	1/4	783.64	1/4	411.36	1/4	43.81	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,265.04	1/2	1,892.75	1/2	1,520.47	1/2	1,148.18	1/2	775.89	1/2	403.60	1/2	38.21	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,257.29	3/4	1,885.00	3/4	1,512.71	3/4	1,140.42	3/4	768.13	3/4	395.85	3/4	32.61	3/4	3/4	3/4	3/4	3/4	3/4
10	2,249.53	10	1,877.24	10	1,504.96	10	1,132.67	10	760.38	10	388.09	10	27.01	10	10	10	10	10	10
1/4	2,241.77	1/4	1,869.48	1/4	1,497.20	1/4	1,124.91	1/4	752.62	1/4	380.33	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,234.02	1/2	1,861.73	1/2	1,489.44	1/2	1,117.15	1/2	744.87	1/2	372.58	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,226.26	3/4	1,853.97	3/4	1,481.69	3/4	1,109.40	3/4	737.11	3/4	364.82	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	2,218.51	11	1,846.22	11	1,473.93	11	1,101.64	11	729.36	11	357.07	11		11	11	11	11	11	11
1/4	2,210.75	1/4	1,838.46	1/4	1,466.17	1/4	1,093.88	1/4	721.60	1/4	349.31	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,202.99	1/2	1,830.71	1/2	1,458.42	1/2	1,086.13	1/2	713.84	1/2	341.55	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,195.24	3/4	1,822.95	3/4	1,450.66	3/4	1,078.37	3/4	706.09	3/4	333.80	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/22/2003 INSP
RECALCULATED: 05/19/2020 PMA
REPRINTED: 05/19/2020 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2020

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



BARGE "EBL 2998"

3 STBD ULLAGE TABLE HERMETIC GAUGE HEIGHT 16'-10"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	4,158.05	0	4,045.83	0	3,933.61	0	3,821.38	0	3,673.19	0	3,504.35	0	2,932.06
1/4		1/4		1/4		1/4	4,155.71	1/4	4,043.49	1/4	3,931.27	1/4	3,819.04	1/4	3,666.17	1/4	3,296.59	1/4	2,924.30
1/2		1/2		1/2		1/2	4,153.38	1/2	4,041.16	1/2	3,928.93	1/2	3,816.71	1/2	3,659.15	1/2	3,288.83	1/2	2,916.55
3/4		3/4		3/4		3/4	4,151.04	3/4	4,038.82	3/4	3,926.59	3/4	3,814.37	3/4	3,652.14	3/4	3,281.08	3/4	2,908.79
1		1		1		1	4,148.70	1	4,036.48	1	3,924.25	1	3,812.03	1	3,645.12	1	3,273.32	1	2,901.04
1/4		1/4		1/4		1/4	4,146.36	1/4	4,034.14	1/4	3,921.91	1/4	3,809.69	1/4	3,637.49	1/4	3,265.56	1/4	2,893.28
1/2		1/2		1/2		1/2	4,144.03	1/2	4,031.81	1/2	3,919.58	1/2	3,807.36	1/2	3,629.85	1/2	3,257.81	1/2	2,885.52
3/4		3/4		3/4		3/4	4,141.69	3/4	4,029.47	3/4	3,917.24	3/4	3,805.02	3/4	3,622.22	3/4	3,250.05	3/4	2,877.77
2		2		2		2	4,139.35	2	4,027.13	2	3,914.90	2	3,802.68	2	3,614.59	2	3,242.30	2	2,870.01
1/4		1/4		1/4		1/4	4,137.01	1/4	4,024.79	1/4	3,912.56	1/4	3,800.34	1/4	3,606.83	1/4	3,234.54	1/4	2,862.25
1/2		1/2		1/2		1/2	4,134.68	1/2	4,022.45	1/2	3,910.23	1/2	3,798.00	1/2	3,599.07	1/2	3,226.79	1/2	2,854.50
3/4		3/4		3/4		3/4	4,132.34	3/4	4,020.11	3/4	3,907.89	3/4	3,795.67	3/4	3,591.32	3/4	3,219.03	3/4	2,846.74
3		3		3		3	4,130.00	3	4,017.77	3	3,905.55	3	3,793.33	3	3,583.56	3	3,211.28	3	2,838.99
1/4		1/4		1/4		1/4	4,127.66	1/4	4,015.43	1/4	3,903.21	1/4	3,790.99	1/4	3,575.80	1/4	3,203.52	1/4	2,831.23
1/2		1/2		1/2		1/2	4,125.33	1/2	4,013.10	1/2	3,900.88	1/2	3,788.65	1/2	3,568.05	1/2	3,195.76	1/2	2,823.47
3/4		3/4		3/4		3/4	4,122.99	3/4	4,010.76	3/4	3,898.54	3/4	3,786.31	3/4	3,560.29	3/4	3,188.01	3/4	2,815.72
4		4		4		4	4,120.65	4	4,008.42	4	3,896.20	4	3,783.97	4	3,552.54	4	3,180.25	4	2,807.96
1/4		1/4		1/4		1/4	4,118.31	1/4	4,006.08	1/4	3,893.86	1/4	3,781.63	1/4	3,544.78	1/4	3,172.49	1/4	2,800.20
1/2		1/2		1/2		1/2	4,115.97	1/2	4,003.75	1/2	3,891.53	1/2	3,779.29	1/2	3,537.03	1/2	3,164.74	1/2	2,792.45
3/4		3/4		3/4	4,198.88	3/4	4,113.63	3/4	4,001.41	3/4	3,889.19	3/4	3,776.96	3/4	3,529.27	3/4	3,156.98	3/4	2,784.69
5		5		5	4,198.78	5	4,111.29	5	3,999.07	5	3,886.85	5	3,774.62	5	3,521.52	5	3,149.23	5	2,776.94
1/4		1/4		1/4	4,198.44	1/4	4,108.95	1/4	3,996.73	1/4	3,884.51	1/4	3,772.28	1/4	3,513.76	1/4	3,141.47	1/4	2,769.18
1/2		1/2		1/2	4,198.10	1/2	4,106.62	1/2	3,994.40	1/2	3,882.17	1/2	3,769.94	1/2	3,506.00	1/2	3,133.71	1/2	2,761.43
3/4		3/4		3/4	4,197.76	3/4	4,104.28	3/4	3,992.06	3/4	3,879.83	3/4	3,767.61	3/4	3,498.25	3/4	3,125.96	3/4	2,753.67
6		6		6	4,197.42	6	4,101.94	6	3,989.72	6	3,877.49	6	3,765.27	6	3,490.49	6	3,118.20	6	2,745.92
1/4		1/4		1/4	4,196.68	1/4	4,099.60	1/4	3,987.38	1/4	3,875.15	1/4	3,762.93	1/4	3,482.73	1/4	3,110.44	1/4	2,738.16
1/2		1/2		1/2	4,195.95	1/2	4,097.27	1/2	3,985.05	1/2	3,872.82	1/2	3,760.59	1/2	3,474.98	1/2	3,102.69	1/2	2,730.40
3/4		3/4		3/4	4,195.21	3/4	4,094.93	3/4	3,982.71	3/4	3,870.48	3/4	3,758.26	3/4	3,467.22	3/4	3,094.93	3/4	2,722.65
7		7		7	4,194.47	7	4,092.59	7	3,980.37	7	3,868.14	7	3,755.92	7	3,459.47	7	3,087.18	7	2,714.89
1/4		1/4		1/4	4,193.30	1/4	4,090.25	1/4	3,978.03	1/4	3,865.80	1/4	3,753.52	1/4	3,451.71	1/4	3,079.42	1/4	2,707.13
1/2		1/2		1/2	4,192.14	1/2	4,087.92	1/2	3,975.69	1/2	3,863.47	1/2	3,751.12	1/2	3,443.95	1/2	3,071.67	1/2	2,699.38
3/4		3/4		3/4	4,190.97	3/4	4,085.58	3/4	3,973.35	3/4	3,861.13	3/4	3,748.72	3/4	3,436.20	3/4	3,063.91	3/4	2,691.62
8		8		8	4,189.80	8	4,083.24	8	3,971.01	8	3,858.79	8	3,746.32	8	3,428.44	8	3,056.16	8	2,683.87
1/4		1/4		1/4	4,188.43	1/4	4,080.90	1/4	3,968.67	1/4	3,856.45	1/4	3,743.18	1/4	3,420.68	1/4	3,048.40	1/4	2,676.11
1/2		1/2		1/2	4,187.07	1/2	4,078.57	1/2	3,966.34	1/2	3,854.12	1/2	3,740.04	1/2	3,412.93	1/2	3,040.64	1/2	2,668.35
3/4		3/4		3/4	4,185.70	3/4	4,076.23	3/4	3,964.00	3/4	3,851.78	3/4	3,736.90	3/4	3,405.17	3/4	3,032.89	3/4	2,660.60
9		9		9	4,184.33	9	4,073.89	9	3,961.66	9	3,849.44	9	3,733.76	9	3,397.42	9	3,025.13	9	2,652.84
1/4		1/4		1/4	4,182.39	1/4	4,071.55	1/4	3,959.32	1/4	3,847.10	1/4	3,729.70	1/4	3,389.66	1/4	3,017.37	1/4	2,645.08
1/2		1/2		1/2	4,180.44	1/2	4,069.21	1/2	3,956.99	1/2	3,844.77	1/2	3,725.64	1/2	3,381.91	1/2	3,009.62	1/2	2,637.33
3/4		3/4		3/4	4,178.50	3/4	4,066.87	3/4	3,954.65	3/4	3,842.43	3/4	3,721.58	3/4	3,374.15	3/4	3,001.86	3/4	2,629.57
10		10		10	4,176.55	10	4,064.53	10	3,952.31	10	3,840.09	10	3,717.52	10	3,366.40	10	2,994.11	10	2,621.82
1/4		1/4		1/4	4,174.27	1/4	4,062.19	1/4	3,949.97	1/4	3,837.75	1/4	3,712.47	1/4	3,358.64	1/4	2,986.35	1/4	2,614.06
1/2		1/2		1/2	4,171.98	1/2	4,059.86	1/2	3,947.64	1/2	3,835.41	1/2	3,707.42	1/2	3,350.88	1/2	2,978.59	1/2	2,606.31
3/4		3/4		3/4	4,169.70	3/4	4,057.52	3/4	3,945.30	3/4	3,833.07	3/4	3,702.38	3/4	3,343.13	3/4	2,970.84	3/4	2,598.55
11		11		11	4,167.41	11	4,055.18	11	3,942.96	11	3,830.73	11	3,697.33	11	3,335.37	11	2,963.08	11	2,590.80
1/4		1/4		1/4	4,165.07	1/4	4,052.84	1/4	3,940.62	1/4	3,828.39	1/4	3,691.29	1/4	3,327.61	1/4	2,955.32	1/4	2,583.04
1/2		1/2		1/2	4,162.73	1/2	4,050.51	1/2	3,938.29	1/2	3,826.06	1/2	3,685.26	1/2	3,319.86	1/2	2,947.57	1/2	2,575.28
3/4		3/4		3/4	4,160.39	3/4	4,048.17	3/4	3,935.95	3/4	3,823.72	3/4	3,679.22	3/4	3,312.10	3/4	2,939.81	3/4	2,567.53

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 WITH "HERMETIC" DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 13'-00" OFF CENTERLINE AND 65'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "EBL 2998"

3 STBD
ULLAGE TABLE
HERMETIC
GAUGE HEIGHT 16'-10"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,559.77	0	2,187.48	0	1,815.20	0	1,442.91	0	1,070.62	0	698.33	0	326.04	0		0		0	
1/4	2,552.01	1/4	2,179.72	1/4	1,807.44	1/4	1,435.15	1/4	1,062.86	1/4	690.57	1/4	318.33	1/4	1/4	1/4		1/4	1/4
1/2	2,544.26	1/2	2,171.97	1/2	1,799.68	1/2	1,427.39	1/2	1,055.11	1/2	682.82	1/2	310.62	1/2	1/2	1/2		1/2	1/2
3/4	2,536.50	3/4	2,164.21	3/4	1,791.93	3/4	1,419.64	3/4	1,047.35	3/4	675.06	3/4	302.91	3/4	3/4	3/4		3/4	3/4
1	2,528.75	1	2,156.46	1	1,784.17	1	1,411.88	1	1,039.60	1	667.31	1	295.20	1	1	1		1	1
1/4	2,520.99	1/4	2,148.70	1/4	1,776.41	1/4	1,404.12	1/4	1,031.84	1/4	659.55	1/4	287.40	1/4	1/4	1/4		1/4	1/4
1/2	2,513.23	1/2	2,140.95	1/2	1,768.66	1/2	1,396.37	1/2	1,024.08	1/2	651.79	1/2	279.60	1/2	1/2	1/2		1/2	1/2
3/4	2,505.48	3/4	2,133.19	3/4	1,760.90	3/4	1,388.61	3/4	1,016.33	3/4	644.04	3/4	271.80	3/4	3/4	3/4		3/4	3/4
2	2,497.72	2	2,125.44	2	1,753.15	2	1,380.86	2	1,008.57	2	636.28	2	264.00	2	2	2		2	2
1/4	2,489.96	1/4	2,117.68	1/4	1,745.39	1/4	1,373.10	1/4	1,000.81	1/4	628.52	1/4	256.24	1/4	1/4	1/4		1/4	1/4
1/2	2,482.21	1/2	2,109.92	1/2	1,737.63	1/2	1,365.35	1/2	993.06	1/2	620.77	1/2	248.48	1/2	1/2	1/2		1/2	1/2
3/4	2,474.45	3/4	2,102.17	3/4	1,729.88	3/4	1,357.59	3/4	985.30	3/4	613.01	3/4	240.73	3/4	3/4	3/4		3/4	3/4
3	2,466.70	3	2,094.41	3	1,722.12	3	1,349.84	3	977.55	3	605.26	3	232.97	3	3	3		3	3
1/4	2,458.94	1/4	2,086.65	1/4	1,714.36	1/4	1,342.08	1/4	969.79	1/4	597.50	1/4	225.21	1/4	1/4	1/4		1/4	1/4
1/2	2,451.19	1/2	2,078.90	1/2	1,706.61	1/2	1,334.32	1/2	962.03	1/2	589.75	1/2	217.46	1/2	1/2	1/2		1/2	1/2
3/4	2,443.43	3/4	2,071.14	3/4	1,698.85	3/4	1,326.57	3/4	954.28	3/4	581.99	3/4	209.70	3/4	3/4	3/4		3/4	3/4
4	2,435.68	4	2,063.39	4	1,691.10	4	1,318.81	4	946.52	4	574.24	4	201.95	4	4	4		4	4
1/4	2,427.92	1/4	2,055.63	1/4	1,683.34	1/4	1,311.05	1/4	938.76	1/4	566.48	1/4	194.19	1/4	1/4	1/4		1/4	1/4
1/2	2,420.16	1/2	2,047.87	1/2	1,675.59	1/2	1,303.30	1/2	931.01	1/2	558.72	1/2	186.43	1/2	1/2	1/2		1/2	1/2
3/4	2,412.41	3/4	2,040.12	3/4	1,667.83	3/4	1,295.54	3/4	923.25	3/4	550.97	3/4	178.68	3/4	3/4	3/4		3/4	3/4
5	2,404.65	5	2,032.36	5	1,660.08	5	1,287.79	5	915.50	5	543.21	5	170.92	5	5	5		5	5
1/4	2,396.89	1/4	2,024.60	1/4	1,652.32	1/4	1,280.03	1/4	907.74	1/4	535.45	1/4	163.16	1/4	1/4	1/4		1/4	1/4
1/2	2,389.14	1/2	2,016.85	1/2	1,644.56	1/2	1,272.27	1/2	899.99	1/2	527.70	1/2	155.41	1/2	1/2	1/2		1/2	1/2
3/4	2,381.38	3/4	2,009.09	3/4	1,636.81	3/4	1,264.52	3/4	892.23	3/4	519.94	3/4	147.65	3/4	3/4	3/4		3/4	3/4
6	2,373.63	6	2,001.34	6	1,629.05	6	1,256.76	6	884.48	6	512.19	6	139.90	6	6	6		6	6
1/4	2,365.87	1/4	1,993.58	1/4	1,621.29	1/4	1,249.00	1/4	876.72	1/4	504.43	1/4	132.14	1/4	1/4	1/4		1/4	1/4
1/2	2,358.11	1/2	1,985.83	1/2	1,613.54	1/2	1,241.25	1/2	868.96	1/2	496.67	1/2	124.39	1/2	1/2	1/2		1/2	1/2
3/4	2,350.36	3/4	1,978.07	3/4	1,605.78	3/4	1,233.49	3/4	861.21	3/4	488.92	3/4	116.63	3/4	3/4	3/4		3/4	3/4
7	2,342.60	7	1,970.32	7	1,598.03	7	1,225.74	7	853.45	7	481.16	7	108.88	7	7	7		7	7
1/4	2,334.84	1/4	1,962.56	1/4	1,590.27	1/4	1,217.98	1/4	845.69	1/4	473.40	1/4	101.12	1/4	1/4	1/4		1/4	1/4
1/2	2,327.09	1/2	1,954.80	1/2	1,582.51	1/2	1,210.23	1/2	837.94	1/2	465.65	1/2	93.36	1/2	1/2	1/2		1/2	1/2
3/4	2,319.33	3/4	1,947.05	3/4	1,574.76	3/4	1,202.47	3/4	830.18	3/4	457.89	3/4	85.61	3/4	3/4	3/4		3/4	3/4
8	2,311.58	8	1,939.29	8	1,567.00	8	1,194.72	8	822.43	8	450.14	8	77.85	8	8	8		8	8
1/4	2,303.82	1/4	1,931.53	1/4	1,559.24	1/4	1,186.96	1/4	814.67	1/4	442.38	1/4	70.74	1/4	1/4	1/4		1/4	1/4
1/2	2,296.07	1/2	1,923.78	1/2	1,551.49	1/2	1,179.20	1/2	806.91	1/2	434.63	1/2	63.63	1/2	1/2	1/2		1/2	1/2
3/4	2,288.31	3/4	1,916.02	3/4	1,543.73	3/4	1,171.45	3/4	799.16	3/4	426.87	3/4	56.52	3/4	3/4	3/4		3/4	3/4
9	2,280.56	9	1,908.27	9	1,535.98	9	1,163.69	9	791.40	9	419.12	9	49.41	9	9	9		9	9
1/4	2,272.80	1/4	1,900.51	1/4	1,528.22	1/4	1,155.93	1/4	783.64	1/4	411.36	1/4	43.81	1/4	1/4	1/4		1/4	1/4
1/2	2,265.04	1/2	1,892.75	1/2	1,520.47	1/2	1,148.18	1/2	775.89	1/2	403.60	1/2	38.21	1/2	1/2	1/2		1/2	1/2
3/4	2,257.29	3/4	1,885.00	3/4	1,512.71	3/4	1,140.42	3/4	768.13	3/4	395.85	3/4	32.61	3/4	3/4	3/4		3/4	3/4
10	2,249.53	10	1,877.24	10	1,504.96	10	1,132.67	10	760.38	10	388.09	10	27.01	10	10	10		10	10
1/4	2,241.77	1/4	1,869.48	1/4	1,497.20	1/4	1,124.91	1/4	752.62	1/4	380.33	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,234.02	1/2	1,861.73	1/2	1,489.44	1/2	1,117.15	1/2	744.87	1/2	372.58	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,226.26	3/4	1,853.97	3/4	1,481.69	3/4	1,109.40	3/4	737.11	3/4	364.82	3/4		3/4	3/4	3/4		3/4	3/4
11	2,218.51	11	1,846.22	11	1,473.93	11	1,101.64	11	729.36	11	357.07	11		11	11	11		11	11
1/4	2,210.75	1/4	1,838.46	1/4	1,466.17	1/4	1,093.88	1/4	721.60	1/4	349.31	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,202.99	1/2	1,830.71	1/2	1,458.42	1/2	1,086.13	1/2	713.84	1/2	341.55	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,195.24	3/4	1,822.95	3/4	1,450.66	3/4	1,078.37	3/4	706.09	3/4	333.80	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/22/2003 INSP
RECALCULATED: 05/19/2020 PMA
REPRINTED: 05/19/2020 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
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<http://www.pmacorp.net>



BARGE "EBL 2998"

FUEL TANK

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

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	1,199	0	2,858	0	4,606	0	6,186	0		0		0		0		0	
1/4	14	1/4	1,231	1/4	2,894	1/4	4,642	1/4	6,214	1/4		1/4		1/4		1/4		1/4	
1/2	28	1/2	1,263	1/2	2,931	1/2	4,677	1/2	6,242	1/2		1/2		1/2		1/2		1/2	
3/4	42	3/4	1,295	3/4	2,967	3/4	4,713	3/4	6,271	3/4		3/4		3/4		3/4		3/4	
1	56	1	1,327	1	3,004	1	4,748	1	6,299	1		1		1		1		1	
1/4	74	1/4	1,360	1/4	3,040	1/4	4,784	1/4	6,326	1/4		1/4		1/4		1/4		1/4	
1/2	92	1/2	1,393	1/2	3,077	1/2	4,819	1/2	6,354	1/2		1/2		1/2		1/2		1/2	
3/4	110	3/4	1,425	3/4	3,113	3/4	4,854	3/4	6,381	3/4		3/4		3/4		3/4		3/4	
2	128	2	1,458	2	3,150	2	4,889	2	6,408	2		2		2		2		2	
1/4	149	1/4	1,491	1/4	3,187	1/4	4,924	1/4	6,435	1/4		1/4		1/4		1/4		1/4	
1/2	169	1/2	1,524	1/2	3,223	1/2	4,959	1/2	6,461	1/2		1/2		1/2		1/2		1/2	
3/4	190	3/4	1,558	3/4	3,260	3/4	4,994	3/4	6,487	3/4		3/4		3/4		3/4		3/4	
3	210	3	1,591	3	3,297	3	5,028	3	6,513	3		3		3		3		3	
1/4	233	1/4	1,624	1/4	3,333	1/4	5,063	1/4	6,538	1/4		1/4		1/4		1/4		1/4	
1/2	255	1/2	1,658	1/2	3,370	1/2	5,097	1/2	6,563	1/2		1/2		1/2		1/2		1/2	
3/4	278	3/4	1,692	3/4	3,407	3/4	5,132	3/4	6,587	3/4		3/4		3/4		3/4		3/4	
4	300	4	1,726	4	3,443	4	5,166	4	6,612	4		4		4		4		4	
1/4	324	1/4	1,760	1/4	3,480	1/4	5,200	1/4	6,636	1/4		1/4		1/4		1/4		1/4	
1/2	348	1/2	1,794	1/2	3,517	1/2	5,234	1/2	6,659	1/2		1/2		1/2		1/2		1/2	
3/4	372	3/4	1,828	3/4	3,553	3/4	5,268	3/4	6,682	3/4		3/4		3/4		3/4		3/4	
5	397	5	1,862	5	3,590	5	5,302	5	6,705	5		5		5		5		5	
1/4	422	1/4	1,897	1/4	3,627	1/4	5,335	1/4	6,727	1/4		1/4		1/4		1/4		1/4	
1/2	448	1/2	1,932	1/2	3,663	1/2	5,369	1/2	6,749	1/2		1/2		1/2		1/2		1/2	
3/4	473	3/4	1,966	3/4	3,700	3/4	5,402	3/4	6,770	3/4		3/4		3/4		3/4		3/4	
6	499	6	2,001	6	3,737	6	5,436	6	6,792	6		6		6		6		6	
1/4	525	1/4	2,036	1/4	3,773	1/4	5,469	1/4	6,811	1/4		1/4		1/4		1/4		1/4	
1/2	552	1/2	2,071	1/2	3,810	1/2	5,502	1/2	6,830	1/2		1/2		1/2		1/2		1/2	
3/4	579	3/4	2,106	3/4	3,846	3/4	5,535	3/4	6,850	3/4		3/4		3/4		3/4		3/4	
7	606	7	2,141	7	3,883	7	5,568	7	6,869	7		7		7		7		7	
1/4	633	1/4	2,176	1/4	3,920	1/4	5,600	1/4	6,885	1/4		1/4		1/4		1/4		1/4	
1/2	661	1/2	2,212	1/2	3,956	1/2	5,632	1/2	6,902	1/2		1/2		1/2		1/2		1/2	
3/4	689	3/4	2,247	3/4	3,993	3/4	5,665	3/4	6,918	3/4		3/4		3/4		3/4		3/4	
8	717	8	2,282	8	4,029	8	5,697	8	6,935	8		8		8		8		8	
1/4	746	1/4	2,318	1/4	4,065	1/4	5,729	1/4	6,947	1/4		1/4		1/4		1/4		1/4	
1/2	775	1/2	2,354	1/2	4,102	1/2	5,760	1/2	6,960	1/2		1/2		1/2		1/2		1/2	
3/4	804	3/4	2,389	3/4	4,138	3/4	5,792	3/4		3/4		3/4		3/4		3/4		3/4	
9	832	9	2,425	9	4,175	9	5,824	9		9		9		9		9		9	
1/4	862	1/4	2,461	1/4	4,211	1/4	5,855	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	892	1/2	2,497	1/2	4,247	1/2	5,886	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	922	3/4	2,532	3/4	4,283	3/4	5,917	3/4		3/4		3/4		3/4		3/4		3/4	
10	952	10	2,568	10	4,319	10	5,948	10		10		10		10		10		10	
1/4	982	1/4	2,604	1/4	4,355	1/4	5,978	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,013	1/2	2,641	1/2	4,391	1/2	6,008	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,043	3/4	2,677	3/4	4,427	3/4	6,038	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,074	11	2,713	11	4,463	11	6,068	11		11		11		11		11		11	
1/4	1,105	1/4	2,749	1/4	4,499	1/4	6,098	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,137	1/2	2,785	1/2	4,535	1/2	6,127	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,168	3/4	2,822	3/4	4,571	3/4	6,156	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE IS SCALED FROM THE BOTTOM OF TANK

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CALCULATED: 05/20/2020 CL
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ALL PRIOR TO 05/2020

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



BARGE "EBL 2998"

SLOP TANK

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

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	891	0	1,782	0	2,672	0	3,563	0		0		0		0		0	
1/4	19	1/4	910	1/4	1,800	1/4	2,691	1/4	3,582	1/4		1/4		1/4		1/4		1/4	
1/2	37	1/2	928	1/2	1,819	1/2	2,709	1/2	3,600	1/2		1/2		1/2		1/2		1/2	
3/4	56	3/4	947	3/4	1,837	3/4	2,728	3/4	3,619	3/4		3/4		3/4		3/4		3/4	
1	74	1	965	1	1,856	1	2,747	1	3,637	1		1		1		1		1	
1/4	93	1/4	984	1/4	1,874	1/4	2,765	1/4	3,656	1/4		1/4		1/4		1/4		1/4	
1/2	112	1/2	1,002	1/2	1,893	1/2	2,784	1/2	3,674	1/2		1/2		1/2		1/2		1/2	
3/4	130	3/4	1,021	3/4	1,912	3/4	2,802	3/4	3,693	3/4		3/4		3/4		3/4		3/4	
2	149	2	1,039	2	1,930	2	2,821	2	3,711	2		2		2		2		2	
1/4	167	1/4	1,058	1/4	1,949	1/4	2,839	1/4	3,730	1/4		1/4		1/4		1/4		1/4	
1/2	186	1/2	1,077	1/2	1,967	1/2	2,858	1/2	3,749	1/2		1/2		1/2		1/2		1/2	
3/4	204	3/4	1,095	3/4	1,986	3/4	2,876	3/4	3,767	3/4		3/4		3/4		3/4		3/4	
3	223	3	1,114	3	2,004	3	2,895	3	3,786	3		3		3		3		3	
1/4	242	1/4	1,132	1/4	2,023	1/4	2,914	1/4	3,804	1/4		1/4		1/4		1/4		1/4	
1/2	260	1/2	1,151	1/2	2,041	1/2	2,932	1/2	3,823	1/2		1/2		1/2		1/2		1/2	
3/4	279	3/4	1,169	3/4	2,060	3/4	2,951	3/4	3,841	3/4		3/4		3/4		3/4		3/4	
4	297	4	1,188	4	2,079	4	2,969	4	3,860	4		4		4		4		4	
1/4	316	1/4	1,206	1/4	2,097	1/4	2,988	1/4	3,878	1/4		1/4		1/4		1/4		1/4	
1/2	334	1/2	1,225	1/2	2,116	1/2	3,006	1/2	3,897	1/2		1/2		1/2		1/2		1/2	
3/4	353	3/4	1,244	3/4	2,134	3/4	3,025	3/4	3,916	3/4		3/4		3/4		3/4		3/4	
5	371	5	1,262	5	2,153	5	3,043	5	3,934	5		5		5		5		5	
1/4	390	1/4	1,281	1/4	2,171	1/4	3,062	1/4	3,953	1/4		1/4		1/4		1/4		1/4	
1/2	409	1/2	1,299	1/2	2,190	1/2	3,081	1/2	3,971	1/2		1/2		1/2		1/2		1/2	
3/4	427	3/4	1,318	3/4	2,208	3/4	3,099	3/4	3,990	3/4		3/4		3/4		3/4		3/4	
6	446	6	1,336	6	2,227	6	3,118	6	4,008	6		6		6		6		6	
1/4	464	1/4	1,355	1/4	2,246	1/4	3,136	1/4	4,027	1/4		1/4		1/4		1/4		1/4	
1/2	483	1/2	1,373	1/2	2,264	1/2	3,155	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	501	3/4	1,392	3/4	2,283	3/4	3,173	3/4		3/4		3/4		3/4		3/4		3/4	
7	520	7	1,411	7	2,301	7	3,192	7		7		7		7		7		7	
1/4	538	1/4	1,429	1/4	2,320	1/4	3,210	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	557	1/2	1,448	1/2	2,338	1/2	3,229	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	576	3/4	1,466	3/4	2,357	3/4	3,248	3/4		3/4		3/4		3/4		3/4		3/4	
8	594	8	1,485	8	2,375	8	3,266	8		8		8		8		8		8	
1/4	613	1/4	1,503	1/4	2,394	1/4	3,285	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	631	1/2	1,522	1/2	2,413	1/2	3,303	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	650	3/4	1,540	3/4	2,431	3/4	3,322	3/4		3/4		3/4		3/4		3/4		3/4	
9	668	9	1,559	9	2,450	9	3,340	9		9		9		9		9		9	
1/4	687	1/4	1,578	1/4	2,468	1/4	3,359	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	705	1/2	1,596	1/2	2,487	1/2	3,377	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	724	3/4	1,615	3/4	2,505	3/4	3,396	3/4		3/4		3/4		3/4		3/4		3/4	
10	743	10	1,633	10	2,524	10	3,415	10		10		10		10		10		10	
1/4	761	1/4	1,652	1/4	2,542	1/4	3,433	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	780	1/2	1,670	1/2	2,561	1/2	3,452	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	798	3/4	1,689	3/4	2,580	3/4	3,470	3/4		3/4		3/4		3/4		3/4		3/4	
11	817	11	1,707	11	2,598	11	3,489	11		11		11		11		11		11	
1/4	835	1/4	1,726	1/4	2,617	1/4	3,507	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	854	1/2	1,745	1/2	2,635	1/2	3,526	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	872	3/4	1,763	3/4	2,654	3/4	3,544	3/4		3/4		3/4		3/4		3/4		3/4	

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