



# BARGE: E2MS 106

## ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 CENTER	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/4	01-1/4	- 01-1/2	01-1/2
2 CENTER	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4
3 CENTER	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/8	01-1/8

(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)

LENGTH BETWEEN DRAFT MARKS: 163'-09"

July 24, 2019

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



# BARGE "E2MS 106"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0	0		0	3,255.08	0	3,043.70	0	2,832.33	0	2,621.09	0	2,409.85	0	2,198.61	0	1,987.37	0	1,776.13	0	1,564.89	
1/4	1/4	1/4	3,250.67	1/4	3,039.30	1/4	2,827.93	1/4	2,616.57	1/4	2,405.21	1/4	2,193.85	1/4	1,982.49	1/4	1,771.13	1/4	1,559.77	1/4	1,348.41
1/2	1/2	1/2	3,246.27	1/2	3,034.90	1/2	2,823.52	1/2	2,612.16	1/2	2,400.80	1/2	2,189.44	1/2	1,978.08	1/2	1,766.72	1/2	1,555.36	1/2	1,344.00
3/4	3/4	3/4	3,241.86	3/4	3,030.49	3/4	2,819.12	3/4	2,607.75	3/4	2,396.39	3/4	2,185.03	3/4	1,973.67	3/4	1,762.31	3/4	1,550.95	3/4	1,339.59
1	1	1	3,426.81	1	3,237.46	1	3,026.09	1	2,814.72	1	2,603.35	1	2,392.00	1	2,180.64	1	1,969.28	1	1,757.92	1	1,546.56
1/4	1/4	1/4	3,425.95	1/4	3,233.08	1/4	3,021.69	1/4	2,810.31	1/4	2,598.92	1/4	2,387.54	1/4	2,176.16	1/4	1,964.78	1/4	1,753.40	1/4	1,542.02
1/2	1/2	1/2	3,425.09	1/2	3,228.65	1/2	3,017.28	1/2	2,805.91	1/2	2,594.53	1/2	2,383.15	1/2	2,171.77	1/2	1,960.39	1/2	1,749.01	1/2	1,538.64
3/4	3/4	3/4	3,424.23	3/4	3,224.25	3/4	3,012.88	3/4	2,801.50	3/4	2,590.12	3/4	2,378.74	3/4	2,167.36	3/4	1,955.98	3/4	1,744.60	3/4	1,537.22
2	2	2	3,423.36	2	3,219.85	2	3,008.47	2	2,797.10	2	2,585.72	2	2,374.34	2	2,162.96	2	1,951.58	2	1,740.20	2	1,525.84
1/4	1/4	1/4	3,420.78	1/4	3,215.44	1/4	3,004.07	1/4	2,792.70	1/4	2,581.32	1/4	2,369.94	1/4	2,158.56	1/4	1,947.18	1/4	1,735.80	1/4	1,524.42
1/2	1/2	1/2	3,418.19	1/2	3,211.04	1/2	2,999.67	1/2	2,788.29	1/2	2,577.40	1/2	2,365.02	1/2	2,153.64	1/2	1,942.26	1/2	1,730.88	1/2	1,522.04
3/4	3/4	3/4	3,415.60	3/4	3,206.64	3/4	2,995.26	3/4	2,783.89	3/4	2,573.03	3/4	2,360.65	3/4	2,148.27	3/4	1,936.89	3/4	1,728.51	3/4	1,520.66
3	3	3	3,413.01	3	3,202.23	3	2,990.86	3	2,779.49	3	2,568.66	3	2,357.83	3	2,146.41	3	1,935.03	3	1,726.67	3	1,518.70
1/4	1/4	1/4	3,408.70	1/4	3,197.83	1/4	2,985.46	1/4	2,775.08	1/4	2,563.52	1/4	2,352.69	1/4	2,141.81	1/4	1,930.43	1/4	1,719.05	1/4	1,516.84
1/2	1/2	1/2	3,404.39	1/2	3,193.43	1/2	2,982.05	1/2	2,770.68	1/2	2,559.38	1/2	2,349.55	1/2	2,138.17	1/2	1,926.79	1/2	1,717.41	1/2	1,514.98
3/4	3/4	3/4	3,400.08	3/4	3,189.02	3/4	2,977.65	3/4	2,766.28	3/4	2,553.24	3/4	2,345.41	3/4	2,136.03	3/4	1,924.65	3/4	1,715.05	3/4	1,513.12
4	4	4	3,395.77	4	3,184.62	4	2,973.25	4	2,761.87	4	2,548.10	4	2,336.72	4	2,125.34	4	1,913.96	4	1,702.58	4	1,501.20
1/4	1/4	1/4	3,391.41	1/4	3,180.21	1/4	2,968.84	1/4	2,757.47	1/4	2,542.96	1/4	2,331.58	1/4	2,120.20	1/4	1,908.82	1/4	1,697.44	1/4	1,495.84
1/2	1/2	1/2	3,387.05	1/2	3,175.81	1/2	2,964.44	1/2	2,753.07	1/2	2,537.82	1/2	2,326.44	1/2	2,116.06	1/2	1,904.68	1/2	1,693.30	1/2	1,493.98
3/4	3/4	3/4	3,382.69	3/4	3,171.41	3/4	2,960.03	3/4	2,748.66	3/4	2,532.68	3/4	2,320.30	3/4	2,111.70	3/4	1,899.32	3/4	1,689.92	3/4	1,492.60
5	5	5	3,378.33	5	3,167.00	5	2,955.63	5	2,744.26	5	2,527.53	5	2,316.15	5	2,104.77	5	1,893.39	5	1,682.01	5	1,480.63
1/4	1/4	1/4	3,373.94	1/4	3,162.60	1/4	2,951.23	1/4	2,739.85	1/4	2,522.38	1/4	2,310.92	1/4	2,099.54	1/4	1,888.16	1/4	1,676.78	1/4	1,479.40
1/2	1/2	1/2	3,369.55	1/2	3,158.20	1/2	2,946.82	1/2	2,735.45	1/2	2,517.22	1/2	2,305.76	1/2	2,094.38	1/2	1,882.00	1/2	1,672.40	1/2	1,477.02
3/4	3/4	3/4	3,365.16	3/4	3,153.79	3/4	2,942.42	3/4	2,731.05	3/4	2,512.06	3/4	2,300.67	3/4	2,089.29	3/4	1,879.62	3/4	1,668.24	3/4	1,475.64
6	6	6	3,360.77	6	3,149.39	6	2,938.02	6	2,726.64	6	2,506.91	6	2,295.53	6	2,084.15	6	1,872.77	6	1,661.39	6	1,472.26
1/4	1/4	1/4	3,356.37	1/4	3,144.99	1/4	2,933.61	1/4	2,722.24	1/4	2,501.75	1/4	2,290.37	1/4	2,078.99	1/4	1,867.61	1/4	1,656.23	1/4	1,470.88
1/2	1/2	1/2	3,351.98	1/2	3,140.58	1/2	2,929.21	1/2	2,717.84	1/2	2,496.59	1/2	2,288.98	1/2	2,076.60	1/2	1,865.22	1/2	1,654.84	1/2	1,469.50
3/4	3/4	3/4	3,347.55	3/4	3,136.18	3/4	2,924.81	3/4	2,713.43	3/4	2,491.44	3/4	2,284.82	3/4	2,073.44	3/4	1,862.06	3/4	1,652.46	3/4	1,468.14
7	7	7	3,343.15	7	3,131.77	7	2,920.40	7	2,709.03	7	2,486.28	7	2,274.89	7	2,063.51	7	1,852.13	7	1,640.75	7	1,466.72
1/4	1/4	1/4	3,338.74	1/4	3,127.37	1/4	2,916.00	1/4	2,704.63	1/4	2,481.12	1/4	2,267.74	1/4	2,056.36	1/4	1,844.98	1/4	1,633.60	1/4	1,464.30
1/2	1/2	1/2	3,334.34	1/2	3,122.97	1/2	2,911.59	1/2	2,700.22	1/2	2,475.97	1/2	2,262.59	1/2	2,050.21	1/2	1,839.80	1/2	1,629.42	1/2	1,462.92
3/4	3/4	3/4	3,329.94	3/4	3,118.59	3/4	2,907.19	3/4	2,695.82	3/4	2,470.81	3/4	2,258.43	3/4	2,047.05	3/4	1,828.42	3/4	1,624.04	3/4	1,461.54
8	8	8	3,325.53	8	3,114.16	8	2,902.79	8	2,691.41	8	2,465.65	8	2,251.01	8	2,039.63	8	1,828.25	8	1,618.87	8	1,459.16
1/4	1/4	1/4	3,321.13	1/4	3,109.76	1/4	2,898.38	1/4	2,687.01	1/4	2,460.50	1/4	2,249.12	1/4	2,037.74	1/4	1,826.36	1/4	1,616.99	1/4	1,457.78
1/2	1/2	1/2	3,316.73	1/2	3,105.35	1/2	2,893.98	1/2	2,682.61	1/2	2,455.34	1/2	2,240.71	1/2	2,035.33	1/2	1,824.95	1/2	1,615.01	1/2	1,455.90
3/4	3/4	3/4	3,312.32	3/4	3,100.95	3/4	2,889.58	3/4	2,678.20	3/4	2,450.18	3/4	2,235.28	3/4	2,030.89	3/4	1,820.57	3/4	1,613.07	3/4	1,454.02
9	9	9	3,307.92	9	3,096.55	9	2,885.17	9	2,673.80	9	2,445.03	9	2,231.36	9	2,020.98	9	1,810.60	9	1,602.22	9	1,452.14
1/4	1/4	1/4	3,303.52	1/4	3,092.14	1/4	2,880.77	1/4	2,669.40	1/4	2,439.87	1/4	2,226.40	1/4	2,016.02	1/4	1,805.64	1/4	1,595.26	1/4	1,449.76
1/2	1/2	1/2	3,299.11	1/2	3,087.74	1/2	2,876.37	1/2	2,664.99	1/2	2,434.71	1/2	2,218.04	1/2	2,007.66	1/2	1,797.28	1/2	1,589.88	1/2	1,447.88
3/4	3/4	3/4	3,294.71	3/4	3,083.34	3/4	2,871.96	3/4	2,660.59	3/4	2,429.56	3/4	2,211.88	3/4	1,999.50	3/4	1,789.10	3/4	1,584.48	3/4	1,445.98
10	10	10	3,290.30	10	3,078.93	10	2,867.56	10	2,656.19	10	2,424.40	10	2,216.72	10	2,006.34	10	1,795.96	10	1,584.58	10	1,444.08
1/4	1/4	1/4	3,285.90	1/4	3,074.53	1/4	2,863.16	1/4	2,651.78	1/4	2,419.24	1/4	2,211.55	1/4	1,999.17	1/4	1,789.79	1/4	1,580.40	1/4	1,442.10
1/2	1/2	1/2	3,281.50	1/2	3,070.12	1/2	2,858.75	1/2	2,647.38	1/2	2,414.09	1/2	2,199.86	1/2	1,987.48	1/2	1,778.10	1/2	1,575.72	1/2	1,440.20
3/4	3/4	3/4	3,277.09	3/4	3,065.72	3/4	2,854.36	3/4	2,642.98	3/4	2,408.93	3/4	2,195.23	3/4	1,982.85	3/4	1,773.47	3/4	1,570.34	3/4	1,438.30
11	11	11	3,272.69	11	3,061.32	11	2,849.94	11	2,638.57	11	2,403.77	11	2,189.02	11	1,977.64	11	1,766.26	11	1,561.88	11	1,436.42
1/4	1/4	1/4	3,268.29	1/4	3,056.91	1/4	2,845.54	1/4	2,634.20	1/4	2,398.62	1/4	2,184.87	1/4	1,973.49	1/4	1,762.11	1/4	1,557.73	1/4	1,434.52
1/2	1/2	1/2	3,263.88	1/2	3,052.51	1/2	2,841.14	1/2	2,629.83	1/2	2,393.46	1/2	2,179.71	1/2	1,968.33	1/2	1,757.95	1/2	1,553.77	1/2	1,432.62
3/4	3/4	3/4	3,259.48	3/4	3,048.11	3/4	2,836.73	3/4	2,625.46	3/4	2,388.30	3/4	2,175.54	3/4	1,963.17	3/4	1,753.81	3/4	1,549.81		



# BARGE "E2MS 106"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

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	1,392.38	0	1,145.28	0	897.58	0	654.68	0	407.56	0	159.10	0	0	0	0	0	0	0	0
1/4	1,387.82	1/4	1,140.12	1/4	892.42	1/4	649.66	1/4	402.38	1/4	153.93	1/4							1/4
1/2	1,382.66	1/2	1,134.96	1/2	887.26	1/2	644.64	1/2	397.21	1/2	148.75	1/2							1/2
3/4	1,377.50	3/4	1,129.80	3/4	882.10	3/4	639.63	3/4	392.03	3/4	143.57	3/4							3/4
1	1,372.34	1	1,124.64	1	876.94	1	634.61	1	386.85	1	138.40	1							1
1 1/4	1,367.18	1 1/4	1,119.48	1 1/4	871.78	1 1/4	629.59	1 1/4	381.68	1 1/4	133.22	1 1/4							1 1/4
1 1/2	1,362.02	1 1/2	1,114.32	1 1/2	866.62	1 1/2	624.57	1 1/2	376.50	1 1/2	128.04	1 1/2							1 1/2
1 3/4	1,356.85	1 3/4	1,109.16	1 3/4	861.46	1 3/4	619.55	1 3/4	371.32	1 3/4	122.87	1 3/4							1 3/4
2	1,351.69	2	1,104.00	2	856.30	2	614.53	2	366.15	2	117.69	2							2
2 1/4	1,346.53	2 1/4	1,098.83	2 1/4	851.14	2 1/4	609.37	2 1/4	360.97	2 1/4	112.52	2 1/4							2 1/4
2 1/2	1,341.37	2 1/2	1,093.67	2 1/2	845.98	2 1/2	604.20	2 1/2	355.80	2 1/2	107.34	2 1/2							2 1/2
2 3/4	1,336.21	2 3/4	1,088.51	2 3/4	840.81	2 3/4	599.03	2 3/4	350.62	2 3/4	102.16	2 3/4							2 3/4
3	1,331.05	3	1,083.35	3	835.65	3	593.86	3	345.44	3	96.99	3							3
3 1/4	1,325.89	3 1/4	1,078.19	3 1/4	830.49	3 1/4	588.70	3 1/4	340.27	3 1/4	91.81	3 1/4							3 1/4
3 1/2	1,320.73	3 1/2	1,073.03	3 1/2	825.33	3 1/2	583.53	3 1/2	335.09	3 1/2	86.64	3 1/2							3 1/2
3 3/4	1,315.57	3 3/4	1,067.87	3 3/4	820.17	3 3/4	578.36	3 3/4	329.92	3 3/4	81.46	3 3/4							3 3/4
4	1,310.41	4	1,062.71	4	815.01	4	573.19	4	324.74	4	76.29	4							4
4 1/4	1,305.25	4 1/4	1,057.55	4 1/4	809.84	4 1/4	568.02	4 1/4	319.56	4 1/4	71.13	4 1/4							4 1/4
4 1/2	1,300.09	4 1/2	1,052.39	4 1/2	804.68	4 1/2	562.84	4 1/2	314.39	4 1/2	65.96	4 1/2							4 1/2
4 3/4	1,294.93	4 3/4	1,047.23	4 3/4	799.52	4 3/4	557.66	4 3/4	309.21	4 3/4	60.80	4 3/4							4 3/4
5	1,289.77	5	1,042.07	5	794.35	5	552.49	5	304.04	5	55.64	5							5
5 1/4	1,284.61	5 1/4	1,036.91	5 1/4	789.19	5 1/4	547.31	5 1/4	298.86	5 1/4	50.51	5 1/4							5 1/4
5 1/2	1,279.45	5 1/2	1,031.75	5 1/2	784.03	5 1/2	542.14	5 1/2	293.68	5 1/2	45.37	5 1/2							5 1/2
5 3/4	1,274.29	5 3/4	1,026.59	5 3/4	778.87	5 3/4	536.96	5 3/4	288.51	5 3/4	40.24	5 3/4							5 3/4
6	1,269.13	6	1,021.43	6	774.70	6	531.78	6	283.33	6	35.11	6							6
6 1/4	1,263.97	6 1/4	1,016.27	6 1/4	769.54	6 1/4	526.61	6 1/4	278.15	6 1/4	30.00	6 1/4							6 1/4
6 1/2	1,258.81	6 1/2	1,011.11	6 1/2	764.37	6 1/2	521.43	6 1/2	272.98	6 1/2	24.89	6 1/2							6 1/2
6 3/4	1,253.65	6 3/4	1,005.95	6 3/4	759.21	6 3/4	516.26	6 3/4	267.80	6 3/4	19.78	6 3/4							6 3/4
7	1,248.49	7	1,000.79	7	754.04	7	511.08	7	262.63	7	14.67	7							7
7 1/4	1,243.33	7 1/4	995.63	7 1/4	748.88	7 1/4	505.90	7 1/4	257.45	7 1/4	9.56	7 1/4							7 1/4
7 1/2	1,238.17	7 1/2	990.47	7 1/2	744.72	7 1/2	500.73	7 1/2	252.27	7 1/2	4.45	7 1/2							7 1/2
7 3/4	1,233.01	7 3/4	985.31	7 3/4	739.56	7 3/4	495.55	7 3/4	247.10	7 3/4	-0.66	7 3/4							7 3/4
8	1,227.84	8	980.15	8	734.39	8	490.38	8	241.92	8	-5.55	8							8
8 1/4	1,222.68	8 1/4	974.99	8 1/4	729.23	8 1/4	485.20	8 1/4	236.75	8 1/4	-10.44	8 1/4							8 1/4
8 1/2	1,217.52	8 1/2	969.82	8 1/2	724.07	8 1/2	480.02	8 1/2	231.57	8 1/2	-15.33	8 1/2							8 1/2
8 3/4	1,212.36	8 3/4	964.66	8 3/4	718.91	8 3/4	474.85	8 3/4	226.39	8 3/4	-20.22	8 3/4							8 3/4
9	1,207.20	9	959.50	9	714.75	9	469.67	9	221.22	9	-25.11	9							9
9 1/4	1,202.04	9 1/4	954.34	9 1/4	709.59	9 1/4	464.49	9 1/4	216.04	9 1/4	-30.00	9 1/4							9 1/4
9 1/2	1,196.88	9 1/2	949.18	9 1/2	704.42	9 1/2	459.32	9 1/2	210.87	9 1/2	-34.89	9 1/2							9 1/2
9 3/4	1,191.72	9 3/4	944.02	9 3/4	699.26	9 3/4	454.14	9 3/4	205.69	9 3/4	-39.78	9 3/4							9 3/4
10	1,186.56	10	938.86	10	694.10	10	448.97	10	200.51	10	-44.67	10							10
10 1/4	1,181.40	10 1/4	933.70	10 1/4	688.94	10 1/4	443.79	10 1/4	195.34	10 1/4	-49.56	10 1/4							10 1/4
10 1/2	1,176.24	10 1/2	928.54	10 1/2	683.77	10 1/2	438.61	10 1/2	190.16	10 1/2	-54.45	10 1/2							10 1/2
10 3/4	1,171.08	10 3/4	923.38	10 3/4	678.60	10 3/4	433.43	10 3/4	184.98	10 3/4	-59.34	10 3/4							10 3/4
11	1,165.92	11	918.22	11	673.44	11	428.26	11	179.81	11	-64.23	11							11
11 1/4	1,160.76	11 1/4	913.06	11 1/4	668.28	11 1/4	423.09	11 1/4	174.63	11 1/4	-69.12	11 1/4							11 1/4
11 1/2	1,155.60	11 1/2	907.90	11 1/2	663.12	11 1/2	417.91	11 1/2	169.45	11 1/2	-74.01	11 1/2							11 1/2
11 3/4	1,150.44	11 3/4	902.74	11 3/4	657.95	11 3/4	412.73	11 3/4	164.28	11 3/4	-78.90	11 3/4							11 3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 7/24/2019 JS  
CALCULATED: 07/25/2019 CL  
PRINTED: 07/26/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77669  
http://www.pmacorp.net



# BARGE "E2MS 106"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 27.  
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" HERMETIC VALVE.  
GAUGE POINT, (HERMETIC) LOCATED ON CENTERLINE AND 30'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2082  
Pearland, Texas 77666  
<http://www.pmacorp.net>



# BARGE "E2MS 106"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

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	1,538.47	0	1,262.18	0	987.88	0	719.08	0	446.15	0	171.87	0		0		0		0	
1/4	1,530.75	1/4	1,256.46	1/4	982.17	1/4	713.54	1/4	440.44	1/4	166.16	1/4		1/4		1/4		1/4	
1/2	1,525.04	1/2	1,250.75	1/2	976.46	1/2	708.00	1/2	434.73	1/2	160.44	1/2		1/2		1/2		1/2	
3/4	1,519.32	3/4	1,245.03	3/4	970.74	3/4	702.45	3/4	429.01	3/4	154.73	3/4		3/4		3/4		3/4	
1	1,513.61	1	1,239.32	1	965.03	1	696.91	1	423.30	1	149.02	1		1		1		1	
1 1/4	1,507.89	1 1/4	1,233.60	1 1/4	959.31	1 1/4	691.36	1 1/4	417.58	1 1/4	143.30	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,502.18	1 1/2	1,227.89	1 1/2	953.60	1 1/2	685.82	1 1/2	411.87	1 1/2	137.59	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,496.47	3/4	1,222.17	3/4	947.88	3/4	680.27	3/4	406.16	3/4	131.87	3/4		3/4		3/4		3/4	
2	1,490.75	2	1,216.46	2	942.17	2	674.72	2	400.44	2	126.16	2		2		2		2	
1 1/4	1,485.04	1 1/4	1,210.75	1 1/4	936.45	1 1/4	669.01	1 1/4	394.73	1 1/4	120.45	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,479.32	1 1/2	1,205.03	1 1/2	930.74	1 1/2	663.29	1 1/2	389.01	1 1/2	114.73	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,473.61	3/4	1,199.32	3/4	925.03	3/4	657.58	3/4	383.30	3/4	109.02	3/4		3/4		3/4		3/4	
3	1,467.89	3	1,193.60	3	919.31	3	651.87	3	377.58	3	103.30	3		3		3		3	
1 1/4	1,462.18	1 1/4	1,187.89	1 1/4	913.60	1 1/4	646.15	1 1/4	371.87	1 1/4	97.59	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,456.47	1 1/2	1,182.17	1 1/2	907.88	1 1/2	640.44	1 1/2	366.16	1 1/2	91.88	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,450.75	3/4	1,176.46	3/4	902.17	3/4	634.72	3/4	360.44	3/4	86.17	3/4		3/4		3/4		3/4	
4	1,445.04	4	1,170.75	4	896.45	4	629.01	4	354.73	4	80.45	4		4		4		4	
1 1/4	1,439.32	1 1/4	1,165.03	1 1/4	890.91	1 1/4	623.29	1 1/4	349.01	1 1/4	74.75	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,433.61	1 1/2	1,159.32	1 1/2	885.36	1 1/2	617.58	1 1/2	343.30	1 1/2	69.05	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,427.89	3/4	1,153.60	3/4	879.81	3/4	611.87	3/4	337.58	3/4	63.35	3/4		3/4		3/4		3/4	
5	1,422.18	5	1,147.89	5	874.27	5	606.15	5	331.87	5	57.65	5		5		5		5	
1 1/4	1,416.46	1 1/4	1,142.17	1 1/4	868.72	1 1/4	600.44	1 1/4	326.16	1 1/4	51.99	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,410.75	1 1/2	1,136.46	1 1/2	863.18	1 1/2	594.72	1 1/2	320.44	1 1/2	46.32	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,405.04	3/4	1,130.74	3/4	857.64	3/4	589.01	3/4	314.73	3/4	40.65	3/4		3/4		3/4		3/4	
6	1,399.32	6	1,125.03	6	852.10	6	583.30	6	309.01	6	35.00	6		6		6		6	
1 1/4	1,393.61	1 1/4	1,119.32	1 1/4	846.56	1 1/4	577.58	1 1/4	303.30	1 1/4	30.24	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,387.89	1 1/2	1,113.60	1 1/2	841.01	1 1/2	571.87	1 1/2	297.59	1 1/2	25.48	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,382.18	3/4	1,107.89	3/4	835.47	3/4	566.15	3/4	291.87	3/4	20.72	3/4		3/4		3/4		3/4	
7	1,376.46	7	1,102.17	7	829.93	7	560.44	7	286.16	7	15.96	7		7		7		7	
1 1/4	1,370.75	1 1/4	1,096.46	1 1/4	824.39	1 1/4	554.72	1 1/4	280.44	1 1/4	13.10	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,365.03	1 1/2	1,090.74	1 1/2	818.84	1 1/2	549.01	1 1/2	274.73	1 1/2	10.25	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,359.32	3/4	1,085.03	3/4	813.30	3/4	543.30	3/4	269.01	3/4	7.39	3/4		3/4		3/4		3/4	
8	1,353.61	8	1,079.31	8	807.76	8	537.58	8	263.30	8	4.53	8		8		8		8	
1 1/4	1,347.89	1 1/4	1,073.60	1 1/4	802.22	1 1/4	531.87	1 1/4	257.59	1 1/4	3.68	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,342.18	1 1/2	1,067.89	1 1/2	796.67	1 1/2	526.15	1 1/2	251.87	1 1/2	2.63	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,336.46	3/4	1,062.17	3/4	791.13	3/4	520.44	3/4	246.16	3/4	1.68	3/4		3/4		3/4		3/4	
9	1,330.75	9	1,056.46	9	785.59	9	514.72	9	240.44	9	0.73	9		9		9		9	
1 1/4	1,325.03	1 1/4	1,050.74	1 1/4	780.05	1 1/4	509.01	1 1/4	234.73	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,319.32	1 1/2	1,045.03	1 1/2	774.50	1 1/2	503.30	1 1/2	229.01	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,313.61	3/4	1,039.31	3/4	768.96	3/4	497.58	3/4	223.30	3/4		3/4		3/4		3/4		3/4	
10	1,307.89	10	1,033.60	10	763.42	10	491.87	10	217.59	10		10		10		10		10	
1 1/4	1,302.18	1 1/4	1,027.89	1 1/4	757.88	1 1/4	486.15	1 1/4	211.87	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,296.46	1 1/2	1,022.17	1 1/2	752.33	1 1/2	480.44	1 1/2	206.16	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,290.75	3/4	1,016.46	3/4	746.79	3/4	474.73	3/4	200.44	3/4		3/4		3/4		3/4		3/4	
11	1,285.03	11	1,010.74	11	741.25	11	469.01	11	194.73	11		11		11		11		11	
1 1/4	1,279.32	1 1/4	1,005.03	1 1/4	735.71	1 1/4	463.30	1 1/4	189.02	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,273.60	1 1/2	999.31	1 1/2	730.16	1 1/2	457.58	1 1/2	183.30	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,267.89	3/4	993.60	3/4	724.62	3/4	451.87	3/4	177.59	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 7/24/2019 JS  
CALCULATED: 07/25/2019 CL  
PRINTED: 07/26/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TG 07/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pasland, Texas 77688  
<http://www.pmacorp.net>



# BARGE "E2MS 106"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	3,535.00	3,320.68	3,305.36	3,080.57	3,065.24	2,835.34	2,820.02	2,590.12	2,574.79	2,344.90	2,329.57	2,099.68	2,084.35	1,854.45	1,839.13	1,609.23	1,593.91	1,364.02
1/2	1/2	3,534.15	3,315.57	3,299.24	3,074.46	3,059.13	2,829.23	2,813.91	2,584.00	2,568.67	2,338.79	2,323.46	2,093.57	2,078.24	1,848.34	1,833.02	1,603.12	1,587.80	1,357.91
3/4	3/4	3,533.30	3,310.46	3,295.13	3,070.35	3,055.02	2,825.13	2,809.80	2,579.90	2,564.58	2,334.68	2,319.35	2,089.46	2,074.13	1,844.24	1,828.91	1,599.01	1,583.69	1,353.80
1	1	3,532.45	3,305.36	3,290.03	3,065.24	3,049.91	2,820.02	2,794.72	2,564.80	2,549.47	2,319.57	2,304.24	2,074.35	2,059.02	1,829.13	1,813.80	1,583.91	1,568.59	1,348.70
1 1/4	1 1/4	3,531.60	3,300.24	3,284.92	3,060.13	3,044.80	2,830.24	2,804.99	2,570.08	2,554.75	2,324.85	2,309.52	2,079.63	2,064.30	1,834.41	1,819.08	1,589.19	1,573.87	1,348.98
1 1/2	1 1/2	3,529.05	3,295.14	3,289.82	3,055.02	3,039.69	2,835.34	2,810.09	2,580.18	2,564.85	2,334.95	2,319.62	2,089.73	2,074.40	1,844.51	1,829.18	1,599.29	1,583.97	1,349.09
1 3/4	1 3/4	3,526.49	3,290.03	3,284.71	3,045.24	3,029.91	2,830.24	2,804.99	2,575.08	2,559.75	2,329.85	2,314.52	2,084.63	2,069.30	1,839.41	1,824.08	1,594.19	1,578.87	1,349.20
2	2	3,523.94	3,284.92	3,279.60	3,035.36	3,019.99	2,835.34	2,810.09	2,580.18	2,564.85	2,334.95	2,319.62	2,089.73	2,074.40	1,844.51	1,829.18	1,599.29	1,583.97	1,349.31
1 1/4	1 1/4	3,521.38	3,279.81	3,274.49	3,025.46	3,009.99	2,830.24	2,804.99	2,575.08	2,559.75	2,329.85	2,314.52	2,084.63	2,069.30	1,839.41	1,824.08	1,594.19	1,578.87	1,349.42
1 1/2	1 1/2	3,517.13	3,274.70	3,269.38	3,020.57	3,005.09	2,825.13	2,800.09	2,570.18	2,554.85	2,324.95	2,309.62	2,079.73	2,064.40	1,834.51	1,819.18	1,589.29	1,573.97	1,349.53
1 3/4	1 3/4	3,512.88	3,269.59	3,264.27	3,015.68	2,999.99	2,820.02	2,794.72	2,564.80	2,549.47	2,319.57	2,304.24	2,074.35	2,059.02	1,829.13	1,813.80	1,583.91	1,568.59	1,349.64
2	2	3,508.62	3,264.48	3,259.16	3,010.79	2,995.09	2,815.34	2,790.09	2,560.18	2,544.85	2,314.95	2,299.62	2,069.73	2,054.40	1,824.51	1,809.18	1,579.29	1,563.97	1,349.75
2 1/4	2 1/4	3,504.37	3,259.37	3,254.05	3,005.80	2,990.09	2,810.02	2,784.77	2,554.80	2,539.47	2,309.57	2,294.24	2,064.35	2,049.02	1,819.13	1,803.80	1,573.91	1,558.59	1,349.86
2 1/2	2 1/2	3,499.30	3,254.27	3,248.95	3,000.91	2,985.09	2,800.02	2,774.77	2,544.80	2,529.47	2,299.57	2,284.24	2,054.35	2,039.02	1,809.13	1,793.80	1,563.91	1,548.59	1,349.97
2 3/4	2 3/4	3,494.24	3,249.16	3,243.84	2,995.82	2,980.09	2,795.02	2,769.77	2,539.80	2,524.47	2,294.57	2,279.24	2,049.35	2,034.02	1,804.13	1,788.80	1,558.91	1,543.59	1,350.08
3	3	3,489.17	3,244.05	3,238.73	2,990.73	2,975.09	2,785.02	2,759.77	2,529.80	2,514.47	2,284.57	2,269.24	2,039.35	2,024.02	1,794.13	1,778.80	1,548.91	1,533.59	1,350.19
3 1/4	3 1/4	3,484.11	3,238.94	3,233.62	2,985.64	2,970.09	2,775.02	2,749.77	2,519.80	2,504.47	2,274.57	2,259.24	2,029.35	2,014.02	1,784.13	1,768.80	1,538.91	1,523.59	1,350.30
3 1/2	3 1/2	3,479.05	3,233.83	3,228.51	2,980.55	2,965.09	2,770.02	2,744.77	2,514.80	2,499.47	2,269.57	2,254.24	2,024.35	2,009.02	1,779.13	1,763.80	1,533.91	1,518.59	1,350.41
3 3/4	3 3/4	3,473.99	3,228.72	3,223.40	2,975.46	2,960.09	2,765.02	2,739.77	2,509.80	2,494.47	2,264.57	2,249.24	2,019.35	2,004.02	1,774.13	1,758.80	1,523.91	1,508.59	1,350.52
4	4	3,468.92	3,223.61	3,218.29	2,970.37	2,955.09	2,760.02	2,734.77	2,504.80	2,489.47	2,259.57	2,244.24	2,014.35	1,999.02	1,769.13	1,753.80	1,518.91	1,503.59	1,350.63
4 1/4	4 1/4	3,463.86	3,218.50	3,213.18	2,965.28	2,950.09	2,755.02	2,729.77	2,499.80	2,484.47	2,254.57	2,239.24	2,009.35	1,994.02	1,764.13	1,748.80	1,513.91	1,498.59	1,350.74
4 1/2	4 1/2	3,458.80	3,213.39	3,208.07	2,960.19	2,945.09	2,750.02	2,724.77	2,494.80	2,479.47	2,249.57	2,234.24	2,004.35	1,989.02	1,759.13	1,743.80	1,508.91	1,493.59	1,350.85
4 3/4	4 3/4	3,453.74	3,208.29	3,202.97	2,955.10	2,940.09	2,745.02	2,719.77	2,489.80	2,474.47	2,244.57	2,229.24	1,999.35	1,984.02	1,754.13	1,738.80	1,503.91	1,488.59	1,350.96
5	5	3,448.68	3,203.18	3,197.86	2,950.01	2,935.09	2,740.02	2,714.77	2,484.80	2,469.47	2,239.57	2,224.24	1,994.35	1,979.02	1,749.13	1,733.80	1,498.91	1,483.59	1,351.07
5 1/4	5 1/4	3,443.62	3,198.07	3,192.75	2,945.02	2,930.09	2,735.02	2,709.77	2,479.80	2,464.47	2,234.57	2,219.24	1,989.35	1,974.02	1,744.13	1,728.80	1,488.91	1,473.59	1,351.18
5 1/2	5 1/2	3,438.56	3,192.96	3,187.64	2,940.03	2,925.09	2,730.02	2,704.77	2,474.80	2,459.47	2,229.57	2,214.24	1,984.35	1,969.02	1,739.13	1,723.80	1,483.91	1,468.59	1,351.29
5 3/4	5 3/4	3,433.50	3,187.85	3,182.53	2,935.04	2,920.09	2,725.02	2,700.77	2,469.80	2,454.47	2,224.57	2,209.24	1,979.35	1,964.02	1,734.13	1,718.80	1,478.91	1,463.59	1,351.40
6	6	3,428.44	3,182.74	3,177.42	2,930.05	2,915.09	2,720.02	2,695.77	2,464.80	2,449.47	2,219.57	2,204.24	1,974.35	1,959.02	1,729.13	1,713.80	1,473.91	1,458.59	1,351.51
6 1/4	6 1/4	3,423.38	3,177.63	3,172.31	2,925.06	2,910.09	2,715.02	2,690.77	2,459.80	2,444.47	2,214.57	2,199.24	1,969.35	1,954.02	1,724.13	1,708.80	1,468.91	1,453.59	1,351.62
6 1/2	6 1/2	3,418.32	3,172.52	3,167.20	2,920.07	2,905.09	2,710.02	2,685.77	2,454.80	2,439.47	2,209.57	2,194.24	1,964.35	1,949.02	1,719.13	1,703.80	1,458.91	1,443.59	1,351.73
6 3/4	6 3/4	3,413.26	3,167.41	3,162.09	2,915.08	2,900.09	2,705.02	2,680.77	2,449.80	2,434.47	2,204.57	2,189.24	1,959.35	1,944.02	1,714.13	1,698.80	1,448.91	1,433.59	1,351.84
7	7	3,408.20	3,162.30	3,156.98	2,910.09	2,895.09	2,700.02	2,675.77	2,444.80	2,429.47	2,194.57	2,179.24	1,949.35	1,934.02	1,709.13	1,693.80	1,443.91	1,428.59	1,351.95
7 1/4	7 1/4	3,403.14	3,157.19	3,151.87	2,905.10	2,890.09	2,695.02	2,670.77	2,439.80	2,424.47	2,189.57	2,174.24	1,944.35	1,929.02	1,704.13	1,688.80	1,438.91	1,423.59	1,352.06
7 1/2	7 1/2	3,398.08	3,152.08	3,146.76	2,900.11	2,885.09	2,690.02	2,665.77	2,434.80	2,419.47	2,179.57	2,164.24	1,934.35	1,919.02	1,699.13	1,683.80	1,433.91	1,418.59	1,352.17
7 3/4	7 3/4	3,393.02	3,146.97	3,141.65	2,895.12	2,880.09	2,685.02	2,660.77	2,429.80	2,414.47	2,169.57	2,154.24	1,929.35	1,914.02	1,694.13	1,678.80	1,428.91	1,413.59	1,352.28
8	8	3,387.96	3,141.86	3,136.54	2,890.13	2,875.09	2,680.02	2,655.77	2,424.80	2,409.47	2,159.57	2,144.24	1,919.35	1,904.02	1,684.13	1,668.80	1,423.91	1,408.59	1,352.39
8 1/4	8 1/4	3,382.90	3,136.75	3,131.43	2,885.14	2,870.09	2,675.02	2,650.77	2,419.80	2,404.47	2,149.57	2,134.24	1,909.35	1,894.02	1,679.13	1,663.80	1,418.91	1,403.59	1,352.50
8 1/2	8 1/2	3,377.84	3,131.64	3,126.32	2,880.15	2,865.09	2,670.02	2,645.77	2,414.80	2,399.47	2,139.57	2,124.24	1,899.35	1,884.02	1,669.13	1,653.80	1,413.91	1,398.59	1,352.61
8 3/4	8 3/4	3,372.78	3,126.53	3,121.21	2,875.16	2,860.09	2,665.02	2,640.77	2,409.80	2,394.47	2,129.57	2,114.24	1,889.35	1,874.02	1,659.13	1,643.80	1,408.91	1,393.59	1,352.72
9	9	3,367.72	3,121.42	3,116.10	2,870.17	2,855.09	2,660.02	2,635.77	2,404.80	2,389.47	2,119.57	2,104.24	1,879.35	1,864.02	1,649.13	1,633.80	1,403.91	1,388.59	1,352.83
9 1/4	9 1/4	3,362.66	3,116.31	3,111.00	2,865.18	2,850.09	2,655.02	2,630.77	2,399.80	2,384.47	2,109.57	2,094.24	1,869.35	1,854.02	1,639.13	1,623.80	1,398.91	1,383.59	1,352.94
9 1/2	9 1/2	3,357.60	3,111.20	3,105.88	2,860.19	2,845.09	2,650.02	2,625.77	2,394.80	2,379.47	2,099.57	2,084.24	1,859.35	1,844.02	1,629.13	1,613.80	1,388.91		



# BARGE "E2MS 106"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-08 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	1,364.01	0	1,118.79	0	873.56	0	628.79	0	383.62	0	138.41	0	0	0	0	0	0	0	0
1/4	1,358.90	1/4	1,113.68	1/4	868.46	1/4	623.69	1/4	378.51	1/4	133.30	1/4		1/4		1/4		1/4	
1/2	1,353.79	1/2	1,108.57	1/2	863.35	1/2	618.59	1/2	373.40	1/2	128.19	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,348.68	3/4	1,103.46	3/4	858.24	3/4	613.49	3/4	368.29	3/4	123.08	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,343.57	1	1,098.35	1	853.13	1	608.39	1	363.18	1	117.97	1	1	1	1	1	1	1	1
1 1/4	1,338.47	1 1/4	1,093.24	1 1/4	848.02	1 1/4	603.29	1 1/4	358.08	1 1/4	112.86	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1,333.36	1 1/2	1,088.13	1 1/2	842.91	1 1/2	598.18	1 1/2	352.97	1 1/2	107.75	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	1,328.25	3/4	1,083.03	3/4	837.80	3/4	593.07	3/4	347.86	3/4	102.65	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,323.14	2	1,077.92	2	832.69	2	587.96	2	342.75	2	97.54	2	2	2	2	2	2	2	2
1 3/4	1,318.03	1 3/4	1,072.81	1 3/4	827.59	1 3/4	582.85	1 3/4	337.64	1 3/4	92.43	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
1 1/2	1,312.92	1 1/2	1,067.70	1 1/2	822.48	1 1/2	577.75	1 1/2	332.53	1 1/2	87.32	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	1,307.81	3/4	1,062.59	3/4	817.37	3/4	572.64	3/4	327.42	3/4	82.21	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,302.70	3	1,057.48	3	812.26	3	567.53	3	322.32	3	77.11	3	3	3	3	3	3	3	3
1 1/4	1,297.59	1 1/4	1,052.37	1 1/4	807.15	1 1/4	562.42	1 1/4	317.21	1 1/4	72.00	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1,292.49	1 1/2	1,047.26	1 1/2	802.05	1 1/2	557.31	1 1/2	312.10	1 1/2	66.91	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	1,287.38	3/4	1,042.15	3/4	796.95	3/4	552.20	3/4	306.99	3/4	61.81	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,282.27	4	1,037.05	4	791.85	4	547.09	4	301.88	4	56.71	4	4	4	4	4	4	4	4
1 3/4	1,277.16	1 3/4	1,031.94	1 3/4	786.75	1 3/4	541.99	1 3/4	296.77	1 3/4	51.62	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
1 1/2	1,272.05	1 1/2	1,026.83	1 1/2	781.65	1 1/2	536.88	1 1/2	291.66	1 1/2	46.55	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	1,266.94	3/4	1,021.72	3/4	776.56	3/4	531.77	3/4	286.56	3/4	41.49	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,261.83	5	1,016.61	5	771.46	5	526.66	5	281.45	5	36.42	5	5	5	5	5	5	5	5
1 1/4	1,256.72	1 1/4	1,011.50	1 1/4	766.37	1 1/4	521.55	1 1/4	276.34	1 1/4	31.36	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1,251.62	1 1/2	1,006.39	1 1/2	761.27	1 1/2	516.44	1 1/2	271.23	1 1/2	27.11	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	1,246.51	3/4	1,001.28	3/4	756.18	3/4	511.33	3/4	266.12	3/4	22.85	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,241.40	6	996.18	6	751.08	6	506.23	6	261.01	6	18.60	6	6	6	6	6	6	6	6
1 3/4	1,236.29	1 3/4	991.07	1 3/4	745.98	1 3/4	501.12	1 3/4	255.90	1 3/4	14.34	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
1 1/2	1,231.18	1 1/2	985.96	1 1/2	740.89	1 1/2	496.01	1 1/2	250.80	1 1/2	11.79	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	1,226.07	3/4	980.85	3/4	735.79	3/4	490.90	3/4	245.69	3/4	9.23	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,220.96	7	975.74	7	730.70	7	485.79	7	240.58	7	6.69	7	7	7	7	7	7	7	7
1 1/4	1,215.85	1 1/4	970.63	1 1/4	725.60	1 1/4	480.68	1 1/4	235.47	1 1/4	4.13	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1,210.75	1 1/2	965.52	1 1/2	720.51	1 1/2	475.57	1 1/2	230.36	1 1/2	3.28	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	1,205.64	3/4	960.41	3/4	715.41	3/4	470.47	3/4	225.25	3/4	2.43	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,200.53	8	955.31	8	710.31	8	465.36	8	220.14	8	1.58	8	8	8	8	8	8	8	8
1 3/4	1,195.42	1 3/4	950.20	1 3/4	705.22	1 3/4	460.25	1 3/4	215.04	1 3/4	0.73	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
1 1/2	1,190.31	1 1/2	945.09	1 1/2	700.12	1 1/2	455.14	1 1/2	209.93	1 1/2		1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	1,185.20	3/4	939.98	3/4	695.03	3/4	450.03	3/4	204.82	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,180.09	9	934.87	9	689.93	9	444.92	9	199.71	9		9	9	9	9	9	9	9	9
1 1/4	1,174.98	1 1/4	929.76	1 1/4	684.84	1 1/4	439.81	1 1/4	194.60	1 1/4		1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1,169.87	1 1/2	924.65	1 1/2	679.74	1 1/2	434.71	1 1/2	189.49	1 1/2		1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	1,164.77	3/4	919.54	3/4	674.65	3/4	429.60	3/4	184.38	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,159.66	10	914.43	10	669.55	10	424.49	10	179.28	10		10	10	10	10	10	10	10	10
1 1/4	1,154.55	1 1/4	909.33	1 1/4	664.45	1 1/4	419.38	1 1/4	174.17	1 1/4		1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1,149.44	1 1/2	904.22	1 1/2	659.36	1 1/2	414.27	1 1/2	169.06	1 1/2		1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	1,144.33	3/4	899.11	3/4	654.26	3/4	409.16	3/4	163.95	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,139.22	11	894.00	11	649.17	11	404.05	11	158.84	11		11	11	11	11	11	11	11	11
1 1/4	1,134.11	1 1/4	888.89	1 1/4	644.07	1 1/4	398.94	1 1/4	153.73	1 1/4		1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1,129.00	1 1/2	883.78	1 1/2	638.98	1 1/2	393.84	1 1/2	148.62	1 1/2		1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	1,123.90	3/4	878.67	3/4	633.88	3/4	388.73	3/4	143.51	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 7/24/2019 JS  
CALCULATED: 07/25/2019 CL  
PRINTED: 07/26/2019 CL

CANCEL AND SUPERCEDES  
ALL PRIOR TO 07/2019

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