



BARGE "CTC 29138"

INNAGE (HERMETIC)

FORMERLY "E2MS 308"

	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	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
1 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
2 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
2 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
3 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
3 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 6'-00"
 DIFF. = 4'-00" (DOWN BY STERN)

THE CORRECTION FOR 4'-00" TRIM DOWN BY STERN FOR 1 PORT IS 00-0/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 0/8"

LENGTH BETWEEN DRAFT MARKS: 235'-09"

October 17, 2022

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29138"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 308"

GAUGE HEIGHT 17'-03 1/2"

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	15.31	0	304.20	0	654.31	0	1,011.21	0	1,369.28	0	1,728.04	0	2,086.79	0	2,445.55	0	2,804.25	0	3,162.91
1/4	18.36	1/4	311.10	1/4	661.79	1/4	1,018.63	1/4	1,376.75	1/4	1,735.51	1/4	2,094.27	1/4	2,453.02	1/4	2,811.72	1/4	3,170.38
1/2	21.41	1/2	318.01	1/2	669.26	1/2	1,026.04	1/2	1,384.23	1/2	1,742.98	1/2	2,101.74	1/2	2,460.50	1/2	2,819.19	1/2	3,177.86
3/4	24.46	3/4	324.91	3/4	676.73	3/4	1,033.46	3/4	1,391.70	3/4	1,750.46	3/4	2,109.22	3/4	2,467.97	3/4	2,826.67	3/4	3,185.33
1	27.51	1	331.81	1	684.21	1	1,040.87	1	1,399.18	1	1,757.93	1	2,116.69	1	2,475.45	1	2,834.14	1	3,192.80
1/4	32.51	1/4	338.81	1/4	691.68	1/4	1,048.30	1/4	1,406.65	1/4	1,765.41	1/4	2,124.16	1/4	2,482.92	1/4	2,841.61	1/4	3,200.27
1/2	37.52	1/2	345.80	1/2	699.16	1/2	1,055.72	1/2	1,414.12	1/2	1,772.88	1/2	2,131.64	1/2	2,490.39	1/2	2,849.08	1/2	3,207.74
3/4	42.52	3/4	352.79	3/4	706.63	3/4	1,063.14	3/4	1,421.60	3/4	1,780.35	3/4	2,139.11	3/4	2,497.87	3/4	2,856.56	3/4	3,215.22
2	47.52	2	359.78	2	714.10	2	1,070.57	2	1,429.07	2	1,787.83	2	2,146.59	2	2,505.34	2	2,864.03	2	3,222.69
1/4	53.51	1/4	366.86	1/4	721.58	1/4	1,078.01	1/4	1,436.55	1/4	1,795.30	1/4	2,154.06	1/4	2,512.82	1/4	2,871.50	1/4	3,230.16
1/2	59.51	1/2	373.94	1/2	729.05	1/2	1,085.45	1/2	1,444.02	1/2	1,802.78	1/2	2,161.53	1/2	2,520.29	1/2	2,878.97	1/2	3,237.63
3/4	65.50	3/4	381.02	3/4	736.53	3/4	1,092.90	3/4	1,451.49	3/4	1,810.25	3/4	2,169.01	3/4	2,527.76	3/4	2,886.44	3/4	3,245.10
3	71.49	3	388.10	3	744.00	3	1,100.34	3	1,458.97	3	1,817.73	3	2,176.48	3	2,535.24	3	2,893.92	3	3,252.58
1/4	77.59	1/4	395.27	1/4	751.47	1/4	1,107.78	1/4	1,466.44	1/4	1,825.20	1/4	2,183.96	1/4	2,542.71	1/4	2,901.39	1/4	3,260.05
1/2	83.70	1/2	402.43	1/2	758.95	1/2	1,115.22	1/2	1,473.92	1/2	1,832.67	1/2	2,191.43	1/2	2,550.19	1/2	2,908.86	1/2	3,267.52
3/4	89.80	3/4	409.60	3/4	766.42	3/4	1,122.67	3/4	1,481.39	3/4	1,840.15	3/4	2,199.90	3/4	2,557.66	3/4	2,916.33	3/4	3,274.99
4	95.90	4	416.77	4	773.90	4	1,130.11	4	1,488.87	4	1,847.62	4	2,206.38	4	2,565.14	4	2,923.80	4	3,282.47
1/4	102.10	1/4	424.02	1/4	781.32	1/4	1,137.58	1/4	1,496.34	1/4	1,855.10	1/4	2,213.85	1/4	2,572.61	1/4	2,931.28	1/4	3,289.94
1/2	108.31	1/2	431.28	1/2	788.74	1/2	1,145.06	1/2	1,503.81	1/2	1,862.57	1/2	2,221.33	1/2	2,580.08	1/2	2,938.75	1/2	3,297.41
3/4	114.51	3/4	438.53	3/4	796.17	3/4	1,152.53	3/4	1,511.29	3/4	1,870.04	3/4	2,228.80	3/4	2,587.56	3/4	2,946.22	3/4	3,304.88
5	120.71	5	445.79	5	803.59	5	1,160.00	5	1,518.76	5	1,877.52	5	2,236.28	5	2,595.03	5	2,953.69	5	3,312.35
1/4	127.00	1/4	453.13	1/4	811.00	1/4	1,167.48	1/4	1,526.24	1/4	1,884.99	1/4	2,243.75	1/4	2,602.50	1/4	2,961.16	1/4	3,319.83
1/2	133.29	1/2	460.47	1/2	818.42	1/2	1,174.95	1/2	1,533.71	1/2	1,892.47	1/2	2,251.22	1/2	2,609.98	1/2	2,968.64	1/2	3,327.30
3/4	139.58	3/4	467.81	3/4	825.84	3/4	1,182.43	3/4	1,541.18	3/4	1,899.94	3/4	2,258.70	3/4	2,617.45	3/4	2,976.11	3/4	3,334.77
6	145.87	6	475.16	6	833.25	6	1,189.90	6	1,548.66	6	1,907.41	6	2,266.17	6	2,624.92	6	2,983.58	6	3,342.24
1/4	152.25	1/4	482.59	1/4	840.67	1/4	1,197.38	1/4	1,556.13	1/4	1,914.89	1/4	2,273.65	1/4	2,632.39	1/4	2,991.05	1/4	3,349.71
1/2	158.62	1/2	490.02	1/2	848.08	1/2	1,204.85	1/2	1,563.61	1/2	1,922.36	1/2	2,281.12	1/2	2,639.86	1/2	2,998.53	1/2	3,357.19
3/4	165.00	3/4	497.45	3/4	855.50	3/4	1,212.32	3/4	1,571.08	3/4	1,929.84	3/4	2,288.59	3/4	2,647.34	3/4	3,006.00	3/4	3,364.66
7	171.38	7	504.88	7	862.91	7	1,219.80	7	1,578.55	7	1,937.31	7	2,296.07	7	2,654.81	7	3,013.47	7	3,372.13
1/4	177.85	1/4	512.35	1/4	870.33	1/4	1,227.27	1/4	1,586.03	1/4	1,944.79	1/4	2,303.54	1/4	2,662.28	1/4	3,020.94	1/4	3,379.60
1/2	184.31	1/2	519.83	1/2	877.74	1/2	1,234.75	1/2	1,593.50	1/2	1,952.26	1/2	2,311.02	1/2	2,669.75	1/2	3,028.41	1/2	3,387.07
3/4	190.78	3/4	527.30	3/4	885.16	3/4	1,242.22	3/4	1,600.98	3/4	1,959.73	3/4	2,318.49	3/4	2,677.22	3/4	3,035.89	3/4	3,394.55
8	197.24	8	534.77	8	892.57	8	1,249.69	8	1,608.45	8	1,967.21	8	2,325.96	8	2,684.70	8	3,043.36	8	3,402.02
1/4	203.80	1/4	542.24	1/4	899.99	1/4	1,257.17	1/4	1,615.92	1/4	1,974.68	1/4	2,333.44	1/4	2,692.17	1/4	3,050.83	1/4	3,409.49
1/2	210.35	1/2	549.71	1/2	907.40	1/2	1,264.64	1/2	1,623.40	1/2	1,982.16	1/2	2,340.91	1/2	2,699.64	1/2	3,058.30	1/2	3,416.96
3/4	216.90	3/4	557.18	3/4	914.82	3/4	1,272.12	3/4	1,630.87	3/4	1,989.63	3/4	2,348.39	3/4	2,707.11	3/4	3,065.77	3/4	3,424.43
9	223.46	9	564.65	9	922.23	9	1,279.59	9	1,638.35	9	1,997.10	9	2,355.86	9	2,714.59	9	3,073.25	9	3,431.91
1/4	230.10	1/4	572.12	1/4	929.65	1/4	1,287.06	1/4	1,645.82	1/4	2,004.58	1/4	2,363.33	1/4	2,722.06	1/4	3,080.72	1/4	3,439.38
1/2	236.74	1/2	579.58	1/2	937.06	1/2	1,294.54	1/2	1,653.30	1/2	2,012.05	1/2	2,370.81	1/2	2,729.53	1/2	3,088.19	1/2	3,446.85
3/4	243.38	3/4	587.05	3/4	944.48	3/4	1,302.01	3/4	1,660.77	3/4	2,019.53	3/4	2,378.28	3/4	2,737.00	3/4	3,095.66	3/4	3,454.32
10	250.02	10	594.52	10	951.89	10	1,309.49	10	1,668.24	10	2,027.00	10	2,385.76	10	2,744.47	10	3,103.13	10	3,461.80
1/4	256.75	1/4	602.00	1/4	959.31	1/4	1,316.96	1/4	1,675.72	1/4	2,034.47	1/4	2,393.23	1/4	2,751.95	1/4	3,110.61	1/4	3,469.27
1/2	263.48	1/2	609.47	1/2	966.72	1/2	1,324.43	1/2	1,683.19	1/2	2,041.95	1/2	2,400.71	1/2	2,759.42	1/2	3,118.08	1/2	3,476.74
3/4	270.21	3/4	616.94	3/4	974.14	3/4	1,331.91	3/4	1,690.67	3/4	2,049.42	3/4	2,408.18	3/4	2,766.89	3/4	3,125.55	3/4	3,484.21
11	276.93	11	624.42	11	981.55	11	1,339.38	11	1,698.14	11	2,056.90	11	2,415.65	11	2,774.36	11	3,133.02	11	3,491.68
1/4	283.75	1/4	631.89	1/4	988.97	1/4	1,346.86	1/4	1,705.61	1/4	2,064.37	1/4	2,423.13	1/4	2,781.83	1/4	3,140.50	1/4	3,499.16
1/2	290.57	1/2	639.36	1/2	996.38	1/2	1,354.33	1/2	1,713.09	1/2	2,071.84	1/2	2,430.60	1/2	2,789.31	1/2	3,147.97	1/2	3,506.63
3/4	297.38	3/4	646.84	3/4	1,003.80	3/4	1,361.81	3/4	1,720.56	3/4	2,079.32	3/4	2,438.08	3/4	2,796.78	3/4	3,155.44	3/4	3,514.10

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 INNAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29138"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 308"

GAUGE HEIGHT 17'-03 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,521.57	0	3,880.23	0	4,238.19	0	4,595.79	0	4,951.59	0		0		0		0		0	
1/4	3,529.04	1/4	3,887.71	1/4	4,245.64	1/4	4,603.24	1/4	4,958.90	1/4		1/4		1/4		1/4		1/4	
1/2	3,536.52	1/2	3,895.18	1/2	4,253.09	1/2	4,610.69	1/2	4,966.20	1/2		1/2		1/2		1/2		1/2	
3/4	3,543.99	3/4	3,902.65	3/4	4,260.54	3/4	4,618.14	3/4	4,973.51	3/4		3/4		3/4		3/4		3/4	
1	3,551.46	1	3,910.12	1	4,267.99	1	4,625.60	1	4,980.82	1		1		1		1		1	
1/4	3,558.93	1/4	3,917.59	1/4	4,275.44	1/4	4,633.05	1/4	4,987.26	1/4		1/4		1/4		1/4		1/4	
1/2	3,566.40	1/2	3,925.07	1/2	4,282.89	1/2	4,640.50	1/2	4,993.71	1/2		1/2		1/2		1/2		1/2	
3/4	3,573.88	3/4	3,932.54	3/4	4,290.34	3/4	4,647.95	3/4	5,000.15	3/4		3/4		3/4		3/4		3/4	
2	3,581.35	2	3,940.01	2	4,297.79	2	4,655.40	2	5,006.60	2		2		2		2		2	
1/4	3,588.82	1/4	3,947.48	1/4	4,305.24	1/4	4,662.85	1/4	5,011.79	1/4		1/4		1/4		1/4		1/4	
1/2	3,596.29	1/2	3,954.95	1/2	4,312.69	1/2	4,670.30	1/2	5,016.99	1/2		1/2		1/2		1/2		1/2	
3/4	3,603.77	3/4	3,962.43	3/4	4,320.14	3/4	4,677.75	3/4	5,022.19	3/4		3/4		3/4		3/4		3/4	
3	3,611.24	3	3,969.90	3	4,327.59	3	4,685.20	3	5,027.39	3		3		3		3		3	
1/4	3,618.71	1/4	3,977.37	1/4	4,335.04	1/4	4,692.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,626.18	1/2	3,984.84	1/2	4,342.49	1/2	4,700.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,633.65	3/4	3,992.31	3/4	4,349.94	3/4	4,707.55	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,641.13	4	3,999.79	4	4,357.39	4	4,715.00	4		4		4		4		4		4	
1/4	3,648.60	1/4	4,007.24	1/4	4,364.84	1/4	4,722.45	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,656.07	1/2	4,014.69	1/2	4,372.29	1/2	4,729.90	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,663.54	3/4	4,022.14	3/4	4,379.74	3/4	4,737.35	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,671.01	5	4,029.59	5	4,387.19	5	4,744.80	5		5		5		5		5		5	
1/4	3,678.49	1/4	4,037.04	1/4	4,394.64	1/4	4,752.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,685.96	1/2	4,044.49	1/2	4,402.09	1/2	4,759.70	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,693.43	3/4	4,051.94	3/4	4,409.54	3/4	4,767.15	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,700.90	6	4,059.39	6	4,416.99	6	4,774.60	6		6		6		6		6		6	
1/4	3,708.37	1/4	4,066.84	1/4	4,424.44	1/4	4,781.97	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,715.85	1/2	4,074.29	1/2	4,431.89	1/2	4,789.35	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,723.32	3/4	4,081.74	3/4	4,439.34	3/4	4,796.73	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,730.79	7	4,089.19	7	4,446.79	7	4,804.10	7		7		7		7		7		7	
1/4	3,738.26	1/4	4,096.64	1/4	4,454.24	1/4	4,811.48	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,745.74	1/2	4,104.09	1/2	4,461.69	1/2	4,818.86	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,753.21	3/4	4,111.54	3/4	4,469.14	3/4	4,826.24	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,760.68	8	4,118.99	8	4,476.59	8	4,833.61	8		8		8		8		8		8	
1/4	3,768.15	1/4	4,126.44	1/4	4,484.04	1/4	4,840.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,775.62	1/2	4,133.89	1/2	4,491.49	1/2	4,848.37	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,783.10	3/4	4,141.34	3/4	4,498.94	3/4	4,855.74	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,790.57	9	4,148.79	9	4,506.39	9	4,863.12	9		9		9		9		9		9	
1/4	3,798.04	1/4	4,156.24	1/4	4,513.84	1/4	4,870.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,805.51	1/2	4,163.69	1/2	4,521.29	1/2	4,877.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,812.98	3/4	4,171.14	3/4	4,528.74	3/4	4,885.25	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,820.46	10	4,178.59	10	4,536.19	10	4,892.63	10		10		10		10		10		10	
1/4	3,827.93	1/4	4,186.04	1/4	4,543.64	1/4	4,900.01	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,835.40	1/2	4,193.49	1/2	4,551.09	1/2	4,907.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,842.87	3/4	4,200.94	3/4	4,558.54	3/4	4,914.76	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,850.34	11	4,208.39	11	4,565.99	11	4,922.13	11		11		11		11		11		11	
1/4	3,857.82	1/4	4,215.84	1/4	4,573.44	1/4	4,929.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,865.29	1/2	4,223.29	1/2	4,580.89	1/2	4,936.86	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,872.76	3/4	4,230.74	3/4	4,588.34	3/4	4,944.22	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/04/2017 CL
CALCULATED : 10/05/2017 CL
NAME CHANGE: 10/17/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

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



BARGE "CTC 29138"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 308"

GAUGE HEIGHT 17'-03 1/4

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	15.27	0	303.36	0	652.58	0	1,009.99	0	1,367.68	0	1,725.48	0	2,083.28	0	2,441.07	0	2,798.81	0	3,156.51
1/4	18.31	1/4	310.25	1/4	660.04	1/4	1,017.43	1/4	1,375.14	1/4	1,732.93	1/4	2,090.73	1/4	2,448.53	1/4	2,806.27	1/4	3,163.97
1/2	21.35	1/2	317.13	1/2	667.49	1/2	1,024.87	1/2	1,382.59	1/2	1,740.39	1/2	2,098.18	1/2	2,455.98	1/2	2,813.72	1/2	3,171.42
3/4	24.39	3/4	324.02	3/4	674.95	3/4	1,032.31	3/4	1,390.04	3/4	1,747.84	3/4	2,105.64	3/4	2,463.43	3/4	2,821.17	3/4	3,178.87
1	27.43	1	330.90	1	682.40	1	1,039.75	1	1,397.50	1	1,755.30	1	2,113.09	1	2,470.89	1	2,828.62	1	3,186.32
1/4	32.42	1/4	337.88	1/4	689.85	1/4	1,047.19	1/4	1,404.95	1/4	1,762.75	1/4	2,120.55	1/4	2,478.34	1/4	2,836.07	1/4	3,193.77
1/2	37.41	1/2	344.85	1/2	697.31	1/2	1,054.64	1/2	1,412.41	1/2	1,770.20	1/2	2,128.00	1/2	2,485.80	1/2	2,843.53	1/2	3,201.23
3/4	42.40	3/4	351.82	3/4	704.76	3/4	1,062.09	3/4	1,419.86	3/4	1,777.66	3/4	2,135.45	3/4	2,493.25	3/4	2,850.98	3/4	3,208.68
2	47.39	2	358.80	2	712.22	2	1,069.54	2	1,427.31	2	1,785.11	2	2,142.91	2	2,500.71	2	2,858.43	2	3,216.13
1/4	53.37	1/4	365.86	1/4	719.67	1/4	1,076.99	1/4	1,434.77	1/4	1,792.57	1/4	2,150.36	1/4	2,508.16	1/4	2,865.88	1/4	3,223.58
1/2	59.34	1/2	372.92	1/2	727.13	1/2	1,084.44	1/2	1,442.22	1/2	1,800.02	1/2	2,157.82	1/2	2,515.61	1/2	2,873.33	1/2	3,231.03
3/4	65.31	3/4	379.98	3/4	734.58	3/4	1,091.89	3/4	1,449.68	3/4	1,807.47	3/4	2,165.27	3/4	2,523.07	3/4	2,880.79	3/4	3,238.49
3	71.29	3	387.04	3	742.03	3	1,099.33	3	1,457.13	3	1,814.93	3	2,172.72	3	2,530.52	3	2,888.24	3	3,245.94
1/4	77.38	1/4	394.18	1/4	749.49	1/4	1,106.79	1/4	1,464.59	1/4	1,822.38	1/4	2,180.18	1/4	2,537.98	1/4	2,895.69	1/4	3,253.39
1/2	83.46	1/2	401.33	1/2	756.94	1/2	1,114.24	1/2	1,472.04	1/2	1,829.84	1/2	2,187.63	1/2	2,545.43	1/2	2,903.14	1/2	3,260.84
3/4	89.55	3/4	408.48	3/4	764.40	3/4	1,121.70	3/4	1,479.49	3/4	1,837.29	3/4	2,195.09	3/4	2,552.88	3/4	2,910.59	3/4	3,268.30
4	95.64	4	415.63	4	771.85	4	1,129.15	4	1,486.95	4	1,844.74	4	2,202.54	4	2,560.34	4	2,918.05	4	3,275.75
1/4	101.82	1/4	422.86	1/4	779.30	1/4	1,136.60	1/4	1,494.40	1/4	1,852.20	1/4	2,210.00	1/4	2,567.79	1/4	2,925.50	1/4	3,283.20
1/2	108.00	1/2	430.10	1/2	786.76	1/2	1,144.06	1/2	1,501.86	1/2	1,859.65	1/2	2,217.45	1/2	2,575.25	1/2	2,932.95	1/2	3,290.65
3/4	114.19	3/4	437.33	3/4	794.21	3/4	1,151.51	3/4	1,509.31	3/4	1,867.11	3/4	2,224.90	3/4	2,582.70	3/4	2,940.40	3/4	3,298.10
5	120.37	5	444.57	5	801.67	5	1,158.97	5	1,516.76	5	1,874.56	5	2,232.36	5	2,590.15	5	2,947.86	5	3,305.56
1/4	126.65	1/4	451.89	1/4	809.11	1/4	1,166.42	1/4	1,524.22	1/4	1,882.01	1/4	2,239.81	1/4	2,597.61	1/4	2,955.31	1/4	3,313.01
1/2	132.92	1/2	459.22	1/2	816.55	1/2	1,173.88	1/2	1,531.67	1/2	1,889.47	1/2	2,247.27	1/2	2,605.06	1/2	2,962.76	1/2	3,320.46
3/4	139.19	3/4	466.54	3/4	823.99	3/4	1,181.33	3/4	1,539.13	3/4	1,896.92	3/4	2,254.72	3/4	2,612.51	3/4	2,970.21	3/4	3,327.91
6	145.46	6	473.86	6	831.43	6	1,188.78	6	1,546.58	6	1,904.38	6	2,262.17	6	2,619.96	6	2,977.66	6	3,335.36
1/4	151.82	1/4	481.27	1/4	838.87	1/4	1,196.24	1/4	1,554.03	1/4	1,911.83	1/4	2,269.63	1/4	2,627.41	1/4	2,985.12	1/4	3,342.82
1/2	158.19	1/2	488.68	1/2	846.31	1/2	1,203.69	1/2	1,561.49	1/2	1,919.29	1/2	2,277.08	1/2	2,634.87	1/2	2,992.57	1/2	3,350.27
3/4	164.55	3/4	496.09	3/4	853.75	3/4	1,211.15	3/4	1,568.94	3/4	1,926.74	3/4	2,284.54	3/4	2,642.32	3/4	3,000.02	3/4	3,357.72
7	170.91	7	503.50	7	861.19	7	1,218.60	7	1,576.40	7	1,934.19	7	2,291.99	7	2,649.77	7	3,007.47	7	3,365.17
1/4	177.35	1/4	510.96	1/4	868.63	1/4	1,226.05	1/4	1,583.85	1/4	1,941.65	1/4	2,299.44	1/4	2,657.22	1/4	3,014.92	1/4	3,372.62
1/2	183.80	1/2	518.41	1/2	876.07	1/2	1,233.51	1/2	1,591.31	1/2	1,949.10	1/2	2,306.90	1/2	2,664.68	1/2	3,022.38	1/2	3,380.08
3/4	190.25	3/4	525.86	3/4	883.51	3/4	1,240.96	3/4	1,598.76	3/4	1,956.56	3/4	2,314.35	3/4	2,672.13	3/4	3,029.83	3/4	3,387.53
8	196.70	8	533.32	8	890.95	8	1,248.42	8	1,606.21	8	1,964.01	8	2,321.81	8	2,679.58	8	3,037.28	8	3,394.98
1/4	203.23	1/4	540.77	1/4	898.39	1/4	1,255.87	1/4	1,613.67	1/4	1,971.46	1/4	2,329.26	1/4	2,687.03	1/4	3,044.73	1/4	3,402.43
1/2	209.77	1/2	548.23	1/2	905.83	1/2	1,263.32	1/2	1,621.12	1/2	1,978.92	1/2	2,336.71	1/2	2,694.48	1/2	3,052.18	1/2	3,409.89
3/4	216.30	3/4	555.68	3/4	913.27	3/4	1,270.78	3/4	1,628.58	3/4	1,986.37	3/4	2,344.17	3/4	2,701.94	3/4	3,059.64	3/4	3,417.34
9	222.84	9	563.14	9	920.71	9	1,278.23	9	1,636.03	9	1,993.83	9	2,351.62	9	2,709.39	9	3,067.09	9	3,424.79
1/4	229.46	1/4	570.59	1/4	928.15	1/4	1,285.69	1/4	1,643.48	1/4	2,001.28	1/4	2,359.08	1/4	2,716.84	1/4	3,074.54	1/4	3,432.24
1/2	236.08	1/2	578.04	1/2	935.59	1/2	1,293.14	1/2	1,650.94	1/2	2,008.73	1/2	2,366.53	1/2	2,724.29	1/2	3,081.99	1/2	3,439.69
3/4	242.71	3/4	585.50	3/4	943.03	3/4	1,300.60	3/4	1,658.39	3/4	2,016.19	3/4	2,373.99	3/4	2,731.74	3/4	3,089.45	3/4	3,447.15
10	249.33	10	592.95	10	950.47	10	1,308.05	10	1,665.85	10	2,023.64	10	2,381.44	10	2,739.20	10	3,096.90	10	3,454.60
1/4	256.04	1/4	600.41	1/4	957.91	1/4	1,315.50	1/4	1,673.30	1/4	2,031.10	1/4	2,388.89	1/4	2,746.65	1/4	3,104.35	1/4	3,462.05
1/2	262.75	1/2	607.86	1/2	965.35	1/2	1,322.96	1/2	1,680.75	1/2	2,038.55	1/2	2,396.35	1/2	2,754.10	1/2	3,111.80	1/2	3,469.50
3/4	269.46	3/4	615.31	3/4	972.79	3/4	1,330.41	3/4	1,688.21	3/4	2,046.01	3/4	2,403.80	3/4	2,761.55	3/4	3,119.25	3/4	3,476.95
11	276.17	11	622.77	11	980.23	11	1,337.87	11	1,695.66	11	2,053.46	11	2,411.26	11	2,769.00	11	3,126.71	11	3,484.41
1/4	282.97	1/4	630.22	1/4	987.67	1/4	1,345.32	1/4	1,703.12	1/4	2,060.91	1/4	2,418.71	1/4	2,776.46	1/4	3,134.16	1/4	3,491.86
1/2	289.77	1/2	637.68	1/2	995.11	1/2	1,352.77	1/2	1,710.57	1/2	2,068.37	1/2	2,426.16	1/2	2,783.91	1/2	3,141.61	1/2	3,499.31
3/4	296.56	3/4	645.13	3/4	1,002.55	3/4	1,360.23	3/4	1,718.02	3/4	2,075.82	3/4	2,433.62	3/4	2,791.36	3/4	3,149.06	3/4	3,506.76

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 INNAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29138"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 308"

GAUGE HEIGHT 17'-03 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,514.21	0	3,871.92	0	4,228.92	0	4,585.57	0	4,940.40	0		0		0		0		0	
1/4	3,521.67	1/4	3,879.37	1/4	4,236.35	1/4	4,593.00	1/4	4,947.69	1/4		1/4		1/4		1/4		1/4	
1/2	3,529.12	1/2	3,886.82	1/2	4,243.78	1/2	4,600.43	1/2	4,954.98	1/2		1/2		1/2		1/2		1/2	
3/4	3,536.57	3/4	3,894.27	3/4	4,251.21	3/4	4,607.86	3/4	4,962.27	3/4		3/4		3/4		3/4		3/4	
1	3,544.02	1	3,901.72	1	4,258.64	1	4,615.29	1	4,969.55	1		1		1		1		1	
1/4	3,551.48	1/4	3,909.18	1/4	4,266.07	1/4	4,622.72	1/4	4,975.98	1/4		1/4		1/4		1/4		1/4	
1/2	3,558.93	1/2	3,916.63	1/2	4,273.50	1/2	4,630.15	1/2	4,982.41	1/2		1/2		1/2		1/2		1/2	
3/4	3,566.38	3/4	3,924.08	3/4	4,280.93	3/4	4,637.58	3/4	4,988.83	3/4		3/4		3/4		3/4		3/4	
2	3,573.83	2	3,931.53	2	4,288.36	2	4,645.01	2	4,995.26	2		2		2		2		2	
1/4	3,581.28	1/4	3,938.98	1/4	4,295.79	1/4	4,652.44	1/4	5,000.45	1/4		1/4		1/4		1/4		1/4	
1/2	3,588.74	1/2	3,946.44	1/2	4,303.22	1/2	4,659.87	1/2	5,005.63	1/2		1/2		1/2		1/2		1/2	
3/4	3,596.19	3/4	3,953.89	3/4	4,310.65	3/4	4,667.30	3/4	5,010.81	3/4		3/4		3/4		3/4		3/4	
3	3,603.64	3	3,961.34	3	4,318.08	3	4,674.73	3	5,016.00	3		3		3		3		3	
1/4	3,611.09	1/4	3,968.79	1/4	4,325.51	1/4	4,682.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,618.54	1/2	3,976.24	1/2	4,332.94	1/2	4,689.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,626.00	3/4	3,983.70	3/4	4,340.37	3/4	4,697.02	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,633.45	4	3,991.15	4	4,347.80	4	4,704.45	4		4		4		4		4		4	
1/4	3,640.90	1/4	3,998.58	1/4	4,355.23	1/4	4,711.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,648.35	1/2	4,006.01	1/2	4,362.66	1/2	4,719.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,655.80	3/4	4,013.44	3/4	4,370.09	3/4	4,726.74	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,663.26	5	4,020.87	5	4,377.52	5	4,734.17	5		5		5		5		5		5	
1/4	3,670.71	1/4	4,028.30	1/4	4,384.95	1/4	4,741.60	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,678.16	1/2	4,035.73	1/2	4,392.38	1/2	4,749.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,685.61	3/4	4,043.16	3/4	4,399.81	3/4	4,756.46	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,693.07	6	4,050.59	6	4,407.24	6	4,763.89	6		6		6		6		6		6	
1/4	3,700.52	1/4	4,058.02	1/4	4,414.67	1/4	4,771.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,707.97	1/2	4,065.45	1/2	4,422.10	1/2	4,778.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,715.42	3/4	4,072.88	3/4	4,429.53	3/4	4,785.96	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,722.87	7	4,080.31	7	4,436.96	7	4,793.32	7		7		7		7		7		7	
1/4	3,730.33	1/4	4,087.74	1/4	4,444.39	1/4	4,800.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,737.78	1/2	4,095.17	1/2	4,451.82	1/2	4,808.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,745.23	3/4	4,102.60	3/4	4,459.25	3/4	4,815.39	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,752.68	8	4,110.03	8	4,466.68	8	4,822.74	8		8		8		8		8		8	
1/4	3,760.13	1/4	4,117.46	1/4	4,474.11	1/4	4,830.10	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,767.59	1/2	4,124.89	1/2	4,481.54	1/2	4,837.46	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,775.04	3/4	4,132.32	3/4	4,488.97	3/4	4,844.81	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,782.49	9	4,139.75	9	4,496.40	9	4,852.17	9		9		9		9		9		9	
1/4	3,789.94	1/4	4,147.18	1/4	4,503.83	1/4	4,859.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,797.39	1/2	4,154.61	1/2	4,511.26	1/2	4,866.89	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,804.85	3/4	4,162.04	3/4	4,518.69	3/4	4,874.25	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,812.30	10	4,169.47	10	4,526.12	10	4,881.61	10		10		10		10		10		10	
1/4	3,819.75	1/4	4,176.90	1/4	4,533.55	1/4	4,888.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,827.20	1/2	4,184.33	1/2	4,540.98	1/2	4,896.32	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,834.66	3/4	4,191.76	3/4	4,548.41	3/4	4,903.67	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,842.11	11	4,199.19	11	4,555.84	11	4,911.02	11		11		11		11		11		11	
1/4	3,849.56	1/4	4,206.62	1/4	4,563.27	1/4	4,918.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,857.01	1/2	4,214.06	1/2	4,570.70	1/2	4,925.71	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,864.46	3/4	4,221.49	3/4	4,578.13	3/4	4,933.06	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/04/2017 CL
CALCULATED : 10/05/2017 CL
NAME CHANGE: 10/17/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

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



BARGE "CTC 29138"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 308"

GAUGE HEIGHT 17'-03 3/4

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	15.32	0	359.15	0	718.14	0	1,067.40	0	1,421.64	0	1,780.63	0	2,139.62	0	2,498.60	0	2,857.59	0	3,216.58
1/4	20.00	1/4	366.63	1/4	725.62	1/4	1,074.57	1/4	1,429.12	1/4	1,788.11	1/4	2,147.10	1/4	2,506.08	1/4	2,865.07	1/4	3,224.06
1/2	24.67	1/2	374.11	1/2	733.10	1/2	1,081.75	1/2	1,436.60	1/2	1,795.59	1/2	2,154.57	1/2	2,513.56	1/2	2,872.55	1/2	3,231.54
3/4	29.35	3/4	381.59	3/4	740.58	3/4	1,088.92	3/4	1,444.08	3/4	1,803.07	3/4	2,162.05	3/4	2,521.04	3/4	2,880.03	3/4	3,239.02
1	34.02	1	389.07	1	748.05	1	1,096.09	1	1,451.56	1	1,810.55	1	2,169.53	1	2,528.52	1	2,887.51	1	3,246.49
1/4	40.56	1/4	396.55	1/4	755.53	1/4	1,103.27	1/4	1,459.04	1/4	1,818.02	1/4	2,177.01	1/4	2,536.00	1/4	2,894.99	1/4	3,253.97
1/2	47.10	1/2	404.03	1/2	763.01	1/2	1,110.45	1/2	1,466.52	1/2	1,825.50	1/2	2,184.49	1/2	2,543.48	1/2	2,902.46	1/2	3,261.45
3/4	53.65	3/4	411.50	3/4	770.49	3/4	1,117.63	3/4	1,473.99	3/4	1,832.98	3/4	2,191.97	3/4	2,550.96	3/4	2,909.94	3/4	3,268.93
2	60.19	2	418.98	2	777.97	2	1,124.81	2	1,481.47	2	1,840.46	2	2,199.45	2	2,558.44	2	2,917.42	2	3,276.41
1/4	67.63	1/4	426.46	1/4	785.45	1/4	1,131.99	1/4	1,488.95	1/4	1,847.94	1/4	2,206.93	1/4	2,565.91	1/4	2,924.90	1/4	3,283.89
1/2	75.08	1/2	433.94	1/2	792.93	1/2	1,139.17	1/2	1,496.43	1/2	1,855.42	1/2	2,214.41	1/2	2,573.39	1/2	2,932.38	1/2	3,291.37
3/4	82.52	3/4	441.42	3/4	800.41	3/4	1,146.35	3/4	1,503.91	3/4	1,862.90	3/4	2,221.88	3/4	2,580.87	3/4	2,939.86	3/4	3,298.85
3	89.96	3	448.90	3	807.89	3	1,153.53	3	1,511.39	3	1,870.38	3	2,229.36	3	2,588.35	3	2,947.34	3	3,306.33
1/4	97.43	1/4	456.38	1/4	815.37	1/4	1,160.73	1/4	1,518.87	1/4	1,877.86	1/4	2,236.84	1/4	2,595.83	1/4	2,954.82	1/4	3,313.80
1/2	104.90	1/2	463.86	1/2	822.84	1/2	1,167.93	1/2	1,526.35	1/2	1,885.33	1/2	2,244.32	1/2	2,603.31	1/2	2,962.30	1/2	3,321.28
3/4	112.36	3/4	471.34	3/4	830.32	3/4	1,175.12	3/4	1,533.83	3/4	1,892.81	3/4	2,251.80	3/4	2,610.79	3/4	2,969.77	3/4	3,328.76
4	119.83	4	478.81	4	837.80	4	1,182.32	4	1,541.31	4	1,900.29	4	2,259.28	4	2,618.27	4	2,977.25	4	3,336.24
1/4	127.31	1/4	486.29	1/4	845.00	1/4	1,189.80	1/4	1,548.78	1/4	1,907.77	1/4	2,266.76	1/4	2,625.75	1/4	2,984.73	1/4	3,343.72
1/2	134.79	1/2	493.77	1/2	852.19	1/2	1,197.28	1/2	1,556.26	1/2	1,915.25	1/2	2,274.24	1/2	2,633.22	1/2	2,992.21	1/2	3,351.20
3/4	142.27	3/4	501.25	3/4	859.39	3/4	1,204.75	3/4	1,563.74	3/4	1,922.73	3/4	2,281.72	3/4	2,640.70	3/4	2,999.69	3/4	3,358.68
5	149.74	5	508.73	5	866.59	5	1,212.23	5	1,571.22	5	1,930.21	5	2,289.20	5	2,648.18	5	3,007.17	5	3,366.16
1/4	157.22	1/4	516.21	1/4	873.76	1/4	1,219.71	1/4	1,578.70	1/4	1,937.69	1/4	2,296.67	1/4	2,655.66	1/4	3,014.65	1/4	3,373.64
1/2	164.70	1/2	523.69	1/2	880.93	1/2	1,227.19	1/2	1,586.18	1/2	1,945.17	1/2	2,304.15	1/2	2,663.14	1/2	3,022.13	1/2	3,381.11
3/4	172.18	3/4	531.17	3/4	888.10	3/4	1,234.67	3/4	1,593.66	3/4	1,952.64	3/4	2,311.63	3/4	2,670.62	3/4	3,029.61	3/4	3,388.59
6	179.66	6	538.65	6	895.27	6	1,242.15	6	1,601.14	6	1,960.12	6	2,319.11	6	2,678.10	6	3,037.09	6	3,396.07
1/4	187.14	1/4	546.12	1/4	902.45	1/4	1,249.63	1/4	1,608.62	1/4	1,967.60	1/4	2,326.59	1/4	2,685.58	1/4	3,044.56	1/4	3,403.55
1/2	194.62	1/2	553.60	1/2	909.62	1/2	1,257.11	1/2	1,616.09	1/2	1,975.08	1/2	2,334.07	1/2	2,693.06	1/2	3,052.04	1/2	3,411.03
3/4	202.10	3/4	561.08	3/4	916.79	3/4	1,264.59	3/4	1,623.57	3/4	1,982.56	3/4	2,341.55	3/4	2,700.53	3/4	3,059.52	3/4	3,418.51
7	209.57	7	568.56	7	923.96	7	1,272.06	7	1,631.05	7	1,990.04	7	2,349.03	7	2,708.01	7	3,067.00	7	3,425.99
1/4	217.05	1/4	576.04	1/4	931.13	1/4	1,279.54	1/4	1,638.53	1/4	1,997.52	1/4	2,356.51	1/4	2,715.49	1/4	3,074.48	1/4	3,433.47
1/2	224.53	1/2	583.52	1/2	938.31	1/2	1,287.02	1/2	1,646.01	1/2	2,005.00	1/2	2,363.98	1/2	2,722.97	1/2	3,081.96	1/2	3,440.95
3/4	232.01	3/4	591.00	3/4	945.48	3/4	1,294.50	3/4	1,653.49	3/4	2,012.48	3/4	2,371.46	3/4	2,730.45	3/4	3,089.44	3/4	3,448.42
8	239.49	8	598.48	8	952.65	8	1,301.98	8	1,660.97	8	2,019.95	8	2,378.94	8	2,737.93	8	3,096.92	8	3,455.90
1/4	246.97	1/4	605.96	1/4	959.82	1/4	1,309.46	1/4	1,668.45	1/4	2,027.43	1/4	2,386.42	1/4	2,745.41	1/4	3,104.40	1/4	3,463.38
1/2	254.45	1/2	613.43	1/2	966.99	1/2	1,316.94	1/2	1,675.93	1/2	2,034.91	1/2	2,393.90	1/2	2,752.89	1/2	3,111.87	1/2	3,470.86
3/4	261.93	3/4	620.91	3/4	974.17	3/4	1,324.42	3/4	1,683.40	3/4	2,042.39	3/4	2,401.38	3/4	2,760.37	3/4	3,119.35	3/4	3,478.34
9	269.41	9	628.39	9	981.34	9	1,331.90	9	1,690.88	9	2,049.87	9	2,408.86	9	2,767.84	9	3,126.83	9	3,485.82
1/4	276.88	1/4	635.87	1/4	988.51	1/4	1,339.37	1/4	1,698.36	1/4	2,057.35	1/4	2,416.34	1/4	2,775.32	1/4	3,134.31	1/4	3,493.30
1/2	284.36	1/2	643.35	1/2	995.68	1/2	1,346.85	1/2	1,705.84	1/2	2,064.83	1/2	2,423.82	1/2	2,782.80	1/2	3,141.79	1/2	3,500.78
3/4	291.84	3/4	650.83	3/4	1,002.85	3/4	1,354.33	3/4	1,713.32	3/4	2,072.31	3/4	2,431.29	3/4	2,790.28	3/4	3,149.27	3/4	3,508.26
10	299.32	10	658.31	10	1,010.03	10	1,361.81	10	1,720.80	10	2,079.79	10	2,438.77	10	2,797.76	10	3,156.75	10	3,515.73
1/4	306.80	1/4	665.79	1/4	1,017.20	1/4	1,369.29	1/4	1,728.28	1/4	2,087.26	1/4	2,446.25	1/4	2,805.24	1/4	3,164.23	1/4	3,523.21
1/2	314.28	1/2	673.27	1/2	1,024.37	1/2	1,376.77	1/2	1,735.76	1/2	2,094.74	1/2	2,453.73	1/2	2,812.72	1/2	3,171.71	1/2	3,530.69
3/4	321.76	3/4	680.74	3/4	1,031.54	3/4	1,384.25	3/4	1,743.24	3/4	2,102.22	3/4	2,461.21	3/4	2,820.20	3/4	3,179.18	3/4	3,538.17
11	329.24	11	688.22	11	1,038.71	11	1,391.73	11	1,750.71	11	2,109.70	11	2,468.69	11	2,827.68	11	3,186.66	11	3,545.65
1/4	336.72	1/4	695.70	1/4	1,045.89	1/4	1,399.21	1/4	1,758.19	1/4	2,117.18	1/4	2,476.17	1/4	2,835.15	1/4	3,194.14	1/4	3,553.13
1/2	344.19	1/2	703.18	1/2	1,053.06	1/2	1,406.68	1/2	1,765.67	1/2	2,124.66	1/2	2,483.65	1/2	2,842.63	1/2	3,201.62	1/2	3,560.61
3/4	351.67	3/4	710.66	3/4	1,060.23	3/4	1,414.16	3/4	1,773.15	3/4	2,132.14	3/4	2,491.13	3/4	2,850.11	3/4	3,209.10	3/4	3,568.09

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 INNAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "CTC 29138"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 308"

GAUGE HEIGHT 17'-03 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	3,575.57	0	3,934.55	0	4,292.84	0	4,650.78	0	5,007.06	0		0		0		0		0	
1/4	3,583.04	1/4	3,942.03	1/4	4,300.30	1/4	4,658.23	1/4	5,014.38	1/4		1/4		1/4		1/4		1/4	
1/2	3,590.52	1/2	3,949.51	1/2	4,307.75	1/2	4,665.69	1/2	5,021.70	1/2		1/2		1/2		1/2		1/2	
3/4	3,598.00	3/4	3,956.99	3/4	4,315.21	3/4	4,673.15	3/4	5,029.02	3/4		3/4		3/4		3/4		3/4	
1	3,605.48	1	3,964.47	1	4,322.67	1	4,680.60	1	5,036.34	1		1		1		1		1	
1/4	3,612.96	1/4	3,971.95	1/4	4,330.12	1/4	4,688.06	1/4	5,042.80	1/4		1/4		1/4		1/4		1/4	
1/2	3,620.44	1/2	3,979.43	1/2	4,337.58	1/2	4,695.52	1/2	5,049.25	1/2		1/2		1/2		1/2		1/2	
3/4	3,627.92	3/4	3,986.91	3/4	4,345.04	3/4	4,702.97	3/4	5,055.71	3/4		3/4		3/4		3/4		3/4	
2	3,635.40	2	3,994.38	2	4,352.50	2	4,710.43	2	5,062.16	2		2		2		2		2	
1/4	3,642.88	1/4	4,001.86	1/4	4,359.95	1/4	4,717.89	1/4	5,067.37	1/4		1/4		1/4		1/4		1/4	
1/2	3,650.35	1/2	4,009.34	1/2	4,367.41	1/2	4,725.35	1/2	5,072.58	1/2		1/2		1/2		1/2		1/2	
3/4	3,657.83	3/4	4,016.82	3/4	4,374.87	3/4	4,732.80	3/4	5,077.79	3/4		3/4		3/4		3/4		3/4	
3	3,665.31	3	4,024.30	3	4,382.32	3	4,740.26	3	5,083.00	3		3		3		3		3	
1/4	3,672.79	1/4	4,031.78	1/4	4,389.78	1/4	4,747.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,680.27	1/2	4,039.26	1/2	4,397.24	1/2	4,755.17	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,687.75	3/4	4,046.74	3/4	4,404.69	3/4	4,762.63	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,695.23	4	4,054.22	4	4,412.15	4	4,770.09	4	4	4		4		4		4		4	
1/4	3,702.71	1/4	4,061.67	1/4	4,419.61	1/4	4,777.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,710.19	1/2	4,069.13	1/2	4,427.07	1/2	4,785.00	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,717.66	3/4	4,076.59	3/4	4,434.52	3/4	4,792.46	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,725.14	5	4,084.04	5	4,441.98	5	4,799.92	5	5	5		5		5		5		5	
1/4	3,732.62	1/4	4,091.50	1/4	4,449.44	1/4	4,807.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,740.10	1/2	4,098.96	1/2	4,456.89	1/2	4,814.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,747.58	3/4	4,106.41	3/4	4,464.35	3/4	4,822.29	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,755.06	6	4,113.87	6	4,471.81	6	4,829.74	6	6	6		6		6		6		6	
1/4	3,762.54	1/4	4,121.33	1/4	4,479.26	1/4	4,837.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,770.02	1/2	4,128.79	1/2	4,486.72	1/2	4,844.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,777.50	3/4	4,136.24	3/4	4,494.18	3/4	4,851.92	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,784.98	7	4,143.70	7	4,501.64	7	4,859.31	7	7	7		7		7		7		7	
1/4	3,792.45	1/4	4,151.16	1/4	4,509.09	1/4	4,866.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,799.93	1/2	4,158.61	1/2	4,516.55	1/2	4,874.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,807.41	3/4	4,166.07	3/4	4,524.01	3/4	4,881.48	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,814.89	8	4,173.53	8	4,531.46	8	4,888.87	8	8	8		8		8		8		8	
1/4	3,822.37	1/4	4,180.98	1/4	4,538.92	1/4	4,896.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,829.85	1/2	4,188.44	1/2	4,546.38	1/2	4,903.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,837.33	3/4	4,195.90	3/4	4,553.83	3/4	4,911.05	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,844.81	9	4,203.36	9	4,561.29	9	4,918.44	9	9	9		9		9		9		9	
1/4	3,852.29	1/4	4,210.81	1/4	4,568.75	1/4	4,925.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,859.76	1/2	4,218.27	1/2	4,576.21	1/2	4,933.22	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,867.24	3/4	4,225.73	3/4	4,583.66	3/4	4,940.61	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,874.72	10	4,233.18	10	4,591.12	10	4,948.01	10	10	10		10		10		10		10	
1/4	3,882.20	1/4	4,240.64	1/4	4,598.58	1/4	4,955.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,889.68	1/2	4,248.10	1/2	4,606.03	1/2	4,962.78	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,897.16	3/4	4,255.55	3/4	4,613.49	3/4	4,970.17	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,904.64	11	4,263.01	11	4,620.95	11	4,977.55	11	11	11		11		11		11		11	
1/4	3,912.12	1/4	4,270.47	1/4	4,628.40	1/4	4,984.93	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,919.60	1/2	4,277.93	1/2	4,635.86	1/2	4,992.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,927.07	3/4	4,285.38	3/4	4,643.32	3/4	4,999.68	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/04/2017 CL
CALCULATED : 10/05/2017 CL
NAME CHANGE: 10/17/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

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



BARGE "CTC 29138"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 308"

GAUGE HEIGHT 17'-03 3/4

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	15.32	0	359.15	0	718.14	0	1,076.73	0	1,435.61	0	1,794.60	0	2,153.59	0	2,512.57	0	2,871.50	0	3,230.38
1/4	20.00	1/4	366.63	1/4	725.62	1/4	1,084.19	1/4	1,443.09	1/4	1,802.08	1/4	2,161.07	1/4	2,520.05	1/4	2,878.98	1/4	3,237.86
1/2	24.67	1/2	374.11	1/2	733.10	1/2	1,091.66	1/2	1,450.57	1/2	1,809.56	1/2	2,168.54	1/2	2,527.53	1/2	2,886.45	1/2	3,245.33
3/4	29.35	3/4	381.59	3/4	740.58	3/4	1,099.12	3/4	1,458.05	3/4	1,817.04	3/4	2,176.02	3/4	2,535.01	3/4	2,893.93	3/4	3,252.81
1	34.02	1	389.07	1	748.06	1	1,106.59	1	1,465.53	1	1,824.52	1	2,183.50	1	2,542.49	1	2,901.41	1	3,260.29
1/4	40.56	1/4	396.55	1/4	755.53	1/4	1,114.06	1/4	1,473.01	1/4	1,831.99	1/4	2,190.98	1/4	2,549.97	1/4	2,908.88	1/4	3,267.76
1/2	47.10	1/2	404.03	1/2	763.01	1/2	1,121.53	1/2	1,480.49	1/2	1,839.47	1/2	2,198.46	1/2	2,557.45	1/2	2,916.36	1/2	3,275.24
3/4	53.65	3/4	411.50	3/4	770.49	3/4	1,129.01	3/4	1,487.96	3/4	1,846.95	3/4	2,205.94	3/4	2,564.93	3/4	2,923.84	3/4	3,282.72
2	60.19	2	418.98	2	777.97	2	1,136.48	2	1,495.44	2	1,854.43	2	2,213.42	2	2,572.41	2	2,931.31	2	3,290.20
1/4	67.63	1/4	426.46	1/4	785.45	1/4	1,143.95	1/4	1,502.92	1/4	1,861.91	1/4	2,220.90	1/4	2,579.88	1/4	2,938.79	1/4	3,297.67
1/2	75.08	1/2	433.94	1/2	792.93	1/2	1,151.43	1/2	1,510.40	1/2	1,869.39	1/2	2,228.38	1/2	2,587.36	1/2	2,946.27	1/2	3,305.15
3/4	82.52	3/4	441.42	3/4	800.41	3/4	1,158.90	3/4	1,517.88	3/4	1,876.87	3/4	2,235.85	3/4	2,594.84	3/4	2,953.74	3/4	3,312.63
3	89.96	3	448.90	3	807.89	3	1,166.37	3	1,525.36	3	1,884.35	3	2,243.33	3	2,602.32	3	2,961.22	3	3,320.10
1/4	97.43	1/4	456.38	1/4	815.37	1/4	1,173.85	1/4	1,532.84	1/4	1,891.83	1/4	2,250.81	1/4	2,609.80	1/4	2,968.70	1/4	3,327.58
1/2	104.90	1/2	463.86	1/2	822.84	1/2	1,181.33	1/2	1,540.32	1/2	1,899.30	1/2	2,258.29	1/2	2,617.28	1/2	2,976.17	1/2	3,335.06
3/4	112.36	3/4	471.34	3/4	830.32	3/4	1,188.81	3/4	1,547.80	3/4	1,906.78	3/4	2,265.77	3/4	2,624.76	3/4	2,983.65	3/4	3,342.53
4	119.83	4	478.82	4	837.80	4	1,196.29	4	1,555.28	4	1,914.26	4	2,273.25	4	2,632.24	4	2,991.13	4	3,350.01
1/4	127.31	1/4	486.29	1/4	845.28	1/4	1,203.77	1/4	1,562.75	1/4	1,921.74	1/4	2,280.73	1/4	2,639.72	1/4	2,998.60	1/4	3,357.49
1/2	134.79	1/2	493.77	1/2	852.76	1/2	1,211.25	1/2	1,570.23	1/2	1,929.22	1/2	2,288.21	1/2	2,647.19	1/2	3,006.08	1/2	3,364.96
3/4	142.27	3/4	501.25	3/4	860.24	3/4	1,218.72	3/4	1,577.71	3/4	1,936.70	3/4	2,295.69	3/4	2,654.67	3/4	3,013.56	3/4	3,372.44
5	149.74	5	508.73	5	867.72	5	1,226.20	5	1,585.19	5	1,944.18	5	2,303.17	5	2,662.15	5	3,021.03	5	3,379.92
1/4	157.22	1/4	516.21	1/4	875.18	1/4	1,233.68	1/4	1,592.67	1/4	1,951.66	1/4	2,310.64	1/4	2,669.63	1/4	3,028.51	1/4	3,387.39
1/2	164.70	1/2	523.69	1/2	882.65	1/2	1,241.16	1/2	1,600.15	1/2	1,959.14	1/2	2,318.12	1/2	2,677.11	1/2	3,035.99	1/2	3,394.87
3/4	172.18	3/4	531.17	3/4	890.11	3/4	1,248.64	3/4	1,607.63	3/4	1,966.61	3/4	2,325.60	3/4	2,684.58	3/4	3,043.46	3/4	3,402.35
6	179.66	6	538.65	6	897.58	6	1,256.12	6	1,615.11	6	1,974.09	6	2,333.08	6	2,692.06	6	3,050.94	6	3,409.82
1/4	187.14	1/4	546.13	1/4	905.04	1/4	1,263.60	1/4	1,622.59	1/4	1,981.57	1/4	2,340.56	1/4	2,699.54	1/4	3,058.42	1/4	3,417.30
1/2	194.62	1/2	553.60	1/2	912.51	1/2	1,271.08	1/2	1,630.06	1/2	1,989.05	1/2	2,348.04	1/2	2,707.01	1/2	3,065.89	1/2	3,424.78
3/4	202.10	3/4	561.08	3/4	919.97	3/4	1,278.56	3/4	1,637.54	3/4	1,996.53	3/4	2,355.52	3/4	2,714.49	3/4	3,073.37	3/4	3,432.25
7	209.57	7	568.56	7	927.43	7	1,286.03	7	1,645.02	7	2,004.01	7	2,363.00	7	2,721.97	7	3,080.85	7	3,439.73
1/4	217.05	1/4	576.04	1/4	934.90	1/4	1,293.51	1/4	1,652.50	1/4	2,011.49	1/4	2,370.48	1/4	2,729.44	1/4	3,088.32	1/4	3,447.21
1/2	224.53	1/2	583.52	1/2	942.36	1/2	1,300.99	1/2	1,659.98	1/2	2,018.97	1/2	2,377.95	1/2	2,736.92	1/2	3,095.80	1/2	3,454.68
3/4	232.01	3/4	591.00	3/4	949.83	3/4	1,308.47	3/4	1,667.46	3/4	2,026.45	3/4	2,385.43	3/4	2,744.40	3/4	3,103.28	3/4	3,462.16
8	239.49	8	598.48	8	957.29	8	1,315.95	8	1,674.94	8	2,033.92	8	2,392.91	8	2,751.87	8	3,110.75	8	3,469.64
1/4	246.97	1/4	605.96	1/4	964.76	1/4	1,323.43	1/4	1,682.42	1/4	2,041.40	1/4	2,400.39	1/4	2,759.35	1/4	3,118.23	1/4	3,477.11
1/2	254.45	1/2	613.44	1/2	972.22	1/2	1,330.91	1/2	1,689.90	1/2	2,048.88	1/2	2,407.87	1/2	2,766.83	1/2	3,125.71	1/2	3,484.59
3/4	261.93	3/4	620.91	3/4	979.69	3/4	1,338.39	3/4	1,697.37	3/4	2,056.36	3/4	2,415.35	3/4	2,774.30	3/4	3,133.18	3/4	3,492.07
9	269.41	9	628.39	9	987.15	9	1,345.87	9	1,704.85	9	2,063.84	9	2,422.83	9	2,781.78	9	3,140.66	9	3,499.54
1/4	276.88	1/4	635.87	1/4	994.62	1/4	1,353.34	1/4	1,712.33	1/4	2,071.32	1/4	2,430.31	1/4	2,789.26	1/4	3,148.14	1/4	3,507.02
1/2	284.36	1/2	643.35	1/2	1,002.08	1/2	1,360.82	1/2	1,719.81	1/2	2,078.80	1/2	2,437.79	1/2	2,796.73	1/2	3,155.61	1/2	3,514.50
3/4	291.84	3/4	650.83	3/4	1,009.55	3/4	1,368.30	3/4	1,727.29	3/4	2,086.28	3/4	2,445.26	3/4	2,804.21	3/4	3,163.09	3/4	3,521.97
10	299.32	10	658.31	10	1,017.01	10	1,375.78	10	1,734.77	10	2,093.76	10	2,452.74	10	2,811.69	10	3,170.57	10	3,529.45
1/4	306.80	1/4	665.79	1/4	1,024.47	1/4	1,383.26	1/4	1,742.25	1/4	2,101.23	1/4	2,460.22	1/4	2,819.16	1/4	3,178.04	1/4	3,536.93
1/2	314.28	1/2	673.27	1/2	1,031.94	1/2	1,390.74	1/2	1,749.73	1/2	2,108.71	1/2	2,467.70	1/2	2,826.64	1/2	3,185.52	1/2	3,544.40
3/4	321.76	3/4	680.75	3/4	1,039.40	3/4	1,398.22	3/4	1,757.21	3/4	2,116.19	3/4	2,475.18	3/4	2,834.12	3/4	3,193.00	3/4	3,551.88
11	329.24	11	688.22	11	1,046.87	11	1,405.70	11	1,764.68	11	2,123.67	11	2,482.66	11	2,841.59	11	3,200.47	11	3,559.36
1/4	336.72	1/4	695.70	1/4	1,054.33	1/4	1,413.18	1/4	1,772.16	1/4	2,131.15	1/4	2,490.14	1/4	2,849.07	1/4	3,207.95	1/4	3,566.83
1/2	344.19	1/2	703.18	1/2	1,061.80	1/2	1,420.65	1/2	1,779.64	1/2	2,138.63	1/2	2,497.62	1/2	2,856.55	1/2	3,215.43	1/2	3,574.31
3/4	351.67	3/4	710.66	3/4	1,069.26	3/4	1,428.13	3/4	1,787.12	3/4	2,146.11	3/4	2,505.10	3/4	2,864.02	3/4	3,222.90	3/4	3,581.79

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 INNAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29138"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 308"

GAUGE HEIGHT 17'-03 3/4

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,589.26	0	3,948.14	0	4,306.34	0	4,664.19	0	5,020.22	0		0		0		0		0	
1/4	3,596.74	1/4	3,955.62	1/4	4,313.79	1/4	4,671.64	1/4	5,027.53	1/4		1/4		1/4		1/4		1/4	
1/2	3,604.22	1/2	3,963.10	1/2	4,321.25	1/2	4,679.10	1/2	5,034.85	1/2		1/2		1/2		1/2		1/2	
3/4	3,611.69	3/4	3,970.57	3/4	4,328.70	3/4	4,686.55	3/4	5,042.16	3/4		3/4		3/4		3/4		3/4	
1	3,619.17	1	3,978.05	1	4,336.16	1	4,694.01	1	5,049.47	1		1		1		1		1	
1/4	3,626.65	1/4	3,985.53	1/4	4,343.61	1/4	4,701.46	1/4	5,055.92	1/4		1/4		1/4		1/4		1/4	
1/2	3,634.12	1/2	3,993.00	1/2	4,351.07	1/2	4,708.92	1/2	5,062.37	1/2		1/2		1/2		1/2		1/2	
3/4	3,641.60	3/4	4,000.48	3/4	4,358.52	3/4	4,716.37	3/4	5,068.82	3/4		3/4		3/4		3/4		3/4	
2	3,649.08	2	4,007.96	2	4,365.98	2	4,723.83	2	5,075.27	2		2		2		2		2	
1/4	3,656.55	1/4	4,015.43	1/4	4,373.44	1/4	4,731.28	1/4	5,080.47	1/4		1/4		1/4		1/4		1/4	
1/2	3,664.03	1/2	4,022.91	1/2	4,380.89	1/2	4,738.74	1/2	5,085.67	1/2		1/2		1/2		1/2		1/2	
3/4	3,671.51	3/4	4,030.39	3/4	4,388.35	3/4	4,746.20	3/4	5,090.87	3/4		3/4		3/4		3/4		3/4	
3	3,678.98	3	4,037.87	3	4,395.80	3	4,753.65	3	5,096.08	3		3		3		3		3	
1/4	3,686.46	1/4	4,045.34	1/4	4,403.26	1/4	4,761.11	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,693.94	1/2	4,052.82	1/2	4,410.71	1/2	4,768.56	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,701.41	3/4	4,060.30	3/4	4,418.17	3/4	4,776.02	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,708.89	4	4,067.77	4	4,425.62	4	4,783.47	4	4	4		4		4		4		4	
1/4	3,716.37	1/4	4,075.23	1/4	4,433.08	1/4	4,790.93	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,723.84	1/2	4,082.68	1/2	4,440.53	1/2	4,798.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,731.32	3/4	4,090.14	3/4	4,447.99	3/4	4,805.84	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,738.80	5	4,097.59	5	4,455.44	5	4,813.29	5	5	5		5		5		5		5	
1/4	3,746.27	1/4	4,105.05	1/4	4,462.90	1/4	4,820.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,753.75	1/2	4,112.50	1/2	4,470.35	1/2	4,828.20	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,761.23	3/4	4,119.96	3/4	4,477.81	3/4	4,835.66	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,768.70	6	4,127.41	6	4,485.26	6	4,843.11	6	6	6		6		6		6		6	
1/4	3,776.18	1/4	4,134.87	1/4	4,492.72	1/4	4,850.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,783.66	1/2	4,142.32	1/2	4,500.17	1/2	4,857.87	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,791.13	3/4	4,149.78	3/4	4,507.63	3/4	4,865.26	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,798.61	7	4,157.23	7	4,515.08	7	4,872.64	7	7	7		7		7		7		7	
1/4	3,806.09	1/4	4,164.69	1/4	4,522.54	1/4	4,880.02	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,813.56	1/2	4,172.14	1/2	4,529.99	1/2	4,887.40	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,821.04	3/4	4,179.60	3/4	4,537.45	3/4	4,894.78	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,828.52	8	4,187.06	8	4,544.90	8	4,902.16	8	8	8		8		8		8		8	
1/4	3,835.99	1/4	4,194.51	1/4	4,552.36	1/4	4,909.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,843.47	1/2	4,201.97	1/2	4,559.82	1/2	4,916.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,850.95	3/4	4,209.42	3/4	4,567.27	3/4	4,924.30	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,858.42	9	4,216.88	9	4,574.73	9	4,931.69	9	9	9		9		9		9		9	
1/4	3,865.90	1/4	4,224.33	1/4	4,582.18	1/4	4,939.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,873.38	1/2	4,231.79	1/2	4,589.64	1/2	4,946.45	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,880.85	3/4	4,239.24	3/4	4,597.09	3/4	4,953.84	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,888.33	10	4,246.70	10	4,604.55	10	4,961.22	10	10	10		10		10		10		10	
1/4	3,895.81	1/4	4,254.15	1/4	4,612.00	1/4	4,968.60	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,903.28	1/2	4,261.61	1/2	4,619.46	1/2	4,975.98	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,910.76	3/4	4,269.06	3/4	4,626.91	3/4	4,983.36	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,918.24	11	4,276.52	11	4,634.37	11	4,990.75	11	11	11		11		11		11		11	
1/4	3,925.71	1/4	4,283.97	1/4	4,641.82	1/4	4,998.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,933.19	1/2	4,291.43	1/2	4,649.28	1/2	5,005.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,940.67	3/4	4,298.88	3/4	4,656.73	3/4	5,012.85	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/04/2017 CL
CALCULATED : 10/05/2017 CL
NAME CHANGE: 10/17/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

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



BARGE "CTC 29138"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 308"

GAUGE HEIGHT 17'-03 3/4

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	15.26	0	357.67	0	714.70	0	1,062.08	0	1,415.12	0	1,771.85	0	2,127.85	0	2,484.57	0	2,841.00	0	3,197.40
1/4	19.92	1/4	365.10	1/4	722.14	1/4	1,069.23	1/4	1,422.55	1/4	1,779.26	1/4	2,135.28	1/4	2,491.99	1/4	2,848.42	1/4	3,204.80
1/2	24.58	1/2	372.54	1/2	729.58	1/2	1,076.37	1/2	1,429.98	1/2	1,786.68	1/2	2,142.71	1/2	2,499.42	1/2	2,855.85	1/2	3,212.20
3/4	29.23	3/4	379.98	3/4	737.01	3/4	1,083.51	3/4	1,437.42	3/4	1,794.10	3/4	2,150.14	3/4	2,506.85	3/4	2,863.27	3/4	3,219.59
1	33.89	1	387.42	1	744.45	1	1,090.65	1	1,444.85	1	1,801.51	1	2,157.57	1	2,514.27	1	2,870.70	1	3,226.99
1/4	40.41	1/4	394.86	1/4	751.89	1/4	1,097.86	1/4	1,452.28	1/4	1,808.93	1/4	2,165.00	1/4	2,521.70	1/4	2,878.12	1/4	3,234.39
1/2	46.92	1/2	402.29	1/2	759.33	1/2	1,105.08	1/2	1,459.72	1/2	1,816.35	1/2	2,172.43	1/2	2,529.13	1/2	2,885.55	1/2	3,241.78
3/4	53.44	3/4	409.73	3/4	766.77	3/4	1,112.29	3/4	1,467.15	3/4	1,823.77	3/4	2,179.86	3/4	2,536.55	3/4	2,892.97	3/4	3,249.18
2	59.96	2	417.17	2	774.20	2	1,119.50	2	1,474.58	2	1,831.18	2	2,187.29	2	2,543.98	2	2,900.40	2	3,256.58
1/4	67.37	1/4	424.61	1/4	781.64	1/4	1,126.71	1/4	1,482.02	1/4	1,838.60	1/4	2,194.72	1/4	2,551.40	1/4	2,907.82	1/4	3,263.97
1/2	74.79	1/2	432.05	1/2	789.08	1/2	1,133.93	1/2	1,489.45	1/2	1,846.02	1/2	2,202.15	1/2	2,558.83	1/2	2,915.25	1/2	3,271.37
3/4	82.20	3/4	439.49	3/4	796.52	3/4	1,141.14	3/4	1,496.88	3/4	1,853.43	3/4	2,209.58	3/4	2,566.26	3/4	2,922.67	3/4	3,278.77
3	89.61	3	446.92	3	803.96	3	1,148.35	3	1,504.32	3	1,860.85	3	2,217.01	3	2,573.68	3	2,930.10	3	3,286.16
1/4	97.05	1/4	454.36	1/4	811.33	1/4	1,155.58	1/4	1,511.75	1/4	1,868.27	1/4	2,224.44	1/4	2,581.11	1/4	2,937.52	1/4	3,293.56
1/2	104.49	1/2	461.80	1/2	818.71	1/2	1,162.80	1/2	1,519.18	1/2	1,875.68	1/2	2,231.87	1/2	2,588.54	1/2	2,944.95	1/2	3,300.96
3/4	111.93	3/4	469.24	3/4	826.08	3/4	1,170.03	3/4	1,526.62	3/4	1,883.10	3/4	2,239.30	3/4	2,595.96	3/4	2,952.37	3/4	3,308.35
4	119.37	4	476.68	4	833.46	4	1,177.26	4	1,534.05	4	1,890.52	4	2,246.73	4	2,603.39	4	2,959.80	4	3,315.75
1/4	126.82	1/4	484.11	1/4	840.62	1/4	1,184.69	1/4	1,541.48	1/4	1,897.93	1/4	2,254.16	1/4	2,610.82	1/4	2,967.22	1/4	3,323.15
1/2	134.27	1/2	491.55	1/2	847.79	1/2	1,192.12	1/2	1,548.92	1/2	1,905.35	1/2	2,261.59	1/2	2,618.24	1/2	2,974.65	1/2	3,330.54
3/4	141.72	3/4	498.99	3/4	854.95	3/4	1,199.56	3/4	1,556.35	3/4	1,912.77	3/4	2,269.02	3/4	2,625.67	3/4	2,982.07	3/4	3,337.94
5	149.16	5	506.43	5	862.11	5	1,206.99	5	1,563.78	5	1,920.18	5	2,276.45	5	2,633.10	5	2,989.50	5	3,345.34
1/4	156.61	1/4	513.87	1/4	869.26	1/4	1,214.42	1/4	1,571.22	1/4	1,927.60	1/4	2,283.88	1/4	2,640.52	1/4	2,996.92	1/4	3,352.73
1/2	164.06	1/2	521.31	1/2	876.40	1/2	1,221.86	1/2	1,578.65	1/2	1,935.02	1/2	2,291.32	1/2	2,647.95	1/2	3,004.35	1/2	3,360.12
3/4	171.51	3/4	528.74	3/4	883.54	3/4	1,229.29	3/4	1,586.08	3/4	1,942.44	3/4	2,298.75	3/4	2,655.37	3/4	3,011.78	3/4	3,367.52
6	178.96	6	536.18	6	890.68	6	1,236.72	6	1,593.52	6	1,949.85	6	2,306.19	6	2,662.80	6	3,019.20	6	3,374.91
1/4	186.41	1/4	543.62	1/4	897.82	1/4	1,244.15	1/4	1,600.95	1/4	1,957.27	1/4	2,313.62	1/4	2,670.22	1/4	3,026.63	1/4	3,382.29
1/2	193.86	1/2	551.06	1/2	904.97	1/2	1,251.59	1/2	1,608.38	1/2	1,964.69	1/2	2,321.06	1/2	2,677.65	1/2	3,034.05	1/2	3,389.68
3/4	201.31	3/4	558.50	3/4	912.11	3/4	1,259.02	3/4	1,615.81	3/4	1,972.10	3/4	2,328.50	3/4	2,685.07	3/4	3,041.48	3/4	3,397.06
7	208.76	7	565.93	7	919.25	7	1,266.45	7	1,623.25	7	1,979.52	7	2,335.93	7	2,692.50	7	3,048.90	7	3,404.44
1/4	216.21	1/4	573.37	1/4	926.39	1/4	1,273.89	1/4	1,630.68	1/4	1,986.94	1/4	2,343.37	1/4	2,699.92	1/4	3,056.33	1/4	3,411.60
1/2	223.66	1/2	580.81	1/2	933.53	1/2	1,281.32	1/2	1,638.11	1/2	1,994.35	1/2	2,350.80	1/2	2,707.35	1/2	3,063.75	1/2	3,418.75
3/4	231.11	3/4	588.25	3/4	940.67	3/4	1,288.75	3/4	1,645.55	3/4	2,001.77	3/4	2,358.24	3/4	2,714.77	3/4	3,071.18	3/4	3,425.91
8	238.56	8	595.69	8	947.82	8	1,296.19	8	1,652.98	8	2,009.19	8	2,365.67	8	2,722.20	8	3,078.60	8	3,433.07
1/4	246.01	1/4	603.13	1/4	954.96	1/4	1,303.62	1/4	1,660.41	1/4	2,016.60	1/4	2,373.11	1/4	2,729.62	1/4	3,086.03	1/4	3,439.74
1/2	253.46	1/2	610.56	1/2	962.10	1/2	1,311.05	1/2	1,667.85	1/2	2,024.02	1/2	2,380.54	1/2	2,737.05	1/2	3,093.45	1/2	3,446.42
3/4	260.91	3/4	618.00	3/4	969.24	3/4	1,318.49	3/4	1,675.28	3/4	2,031.44	3/4	2,387.98	3/4	2,744.47	3/4	3,100.88	3/4	3,453.10
9	268.36	9	625.44	9	976.38	9	1,325.92	9	1,682.71	9	2,038.86	9	2,395.41	9	2,751.90	9	3,108.30	9	3,459.78
1/4	275.81	1/4	632.88	1/4	983.52	1/4	1,333.35	1/4	1,690.15	1/4	2,046.26	1/4	2,402.85	1/4	2,759.32	1/4	3,115.73	1/4	3,465.98
1/2	283.26	1/2	640.32	1/2	990.67	1/2	1,340.79	1/2	1,697.58	1/2	2,053.67	1/2	2,410.29	1/2	2,766.75	1/2	3,123.15	1/2	3,472.18
3/4	290.71	3/4	647.75	3/4	997.81	3/4	1,348.22	3/4	1,705.01	3/4	2,061.08	3/4	2,417.72	3/4	2,774.17	3/4	3,130.58	3/4	3,478.38
10	298.16	10	655.19	10	1,004.95	10	1,355.65	10	1,712.45	10	2,068.49	10	2,425.16	10	2,781.60	10	3,138.00	10	3,484.58
1/4	305.60	1/4	662.63	1/4	1,012.09	1/4	1,363.09	1/4	1,719.88	1/4	2,075.90	1/4	2,432.58	1/4	2,789.02	1/4	3,145.43	1/4	3,490.32
1/2	313.04	1/2	670.07	1/2	1,019.23	1/2	1,370.52	1/2	1,727.31	1/2	2,083.31	1/2	2,440.01	1/2	2,796.45	1/2	3,152.85	1/2	3,496.05
3/4	320.47	3/4	677.51	3/4	1,026.38	3/4	1,377.95	3/4	1,734.75	3/4	2,090.72	3/4	2,447.44	3/4	2,803.87	3/4	3,160.28	3/4	3,501.79
11	327.91	11	684.95	11	1,033.52	11	1,385.39	11	1,742.18	11	2,098.13	11	2,454.86	11	2,811.30	11	3,167.70	11	3,507.52
1/4	335.35	1/4	692.38	1/4	1,040.66	1/4	1,392.82	1/4	1,749.60	1/4	2,105.56	1/4	2,462.29	1/4	2,818.72	1/4	3,175.13	1/4	3,512.77
1/2	342.79	1/2	699.82	1/2	1,047.80	1/2	1,400.25	1/2	1,757.01	1/2	2,112.99	1/2	2,469.71	1/2	2,826.15	1/2	3,182.55	1/2	3,518.03
3/4	350.23	3/4	707.26	3/4	1,054.94	3/4	1,407.69	3/4	1,764.43	3/4	2,120.42	3/4	2,477.14	3/4	2,833.57	3/4	3,189.98	3/4	3,523.28

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 INNAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "CTC 29138"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 308

GAUGE HEIGHT 17'-03 3/4

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,528.54	0	3,749.01	0	3,968.11	0	4,187.01	0	4,404.81	0		0		0		0		0	
1/4	3,533.35	1/4	3,753.58	1/4	3,972.67	1/4	4,191.57	1/4	4,409.28	1/4		1/4		1/4		1/4		1/4	
1/2	3,538.16	1/2	3,758.15	1/2	3,977.23	1/2	4,196.13	1/2	4,413.75	1/2		1/2		1/2		1/2		1/2	
3/4	3,542.98	3/4	3,762.73	3/4	3,981.79	3/4	4,200.69	3/4	4,418.22	3/4		3/4		3/4		3/4		3/4	
1	3,547.79	1	3,767.30	1	3,986.35	1	4,205.25	1	4,422.70	1		1		1		1		1	
1/4	3,552.36	1/4	3,771.87	1/4	3,990.91	1/4	4,209.81	1/4	4,426.64	1/4		1/4		1/4		1/4		1/4	
1/2	3,556.94	1/2	3,776.44	1/2	3,995.47	1/2	4,214.37	1/2	4,430.59	1/2		1/2		1/2		1/2		1/2	
3/4	3,561.51	3/4	3,781.02	3/4	4,000.03	3/4	4,218.93	3/4	4,434.53	3/4		3/4		3/4		3/4		3/4	
2	3,566.08	2	3,785.59	2	4,004.59	2	4,223.49	2	4,438.48	2		2		2		2		2	
1/4	3,570.65	1/4	3,790.16	1/4	4,009.15	1/4	4,228.05	1/4	4,441.66	1/4		1/4		1/4		1/4		1/4	
1/2	3,575.23	1/2	3,794.74	1/2	4,013.71	1/2	4,232.61	1/2	4,444.84	1/2		1/2		1/2		1/2		1/2	
3/4	3,579.80	3/4	3,799.31	3/4	4,018.27	3/4	4,237.17	3/4	4,448.02	3/4		3/4		3/4		3/4		3/4	
3	3,584.37	3	3,803.88	3	4,022.83	3	4,241.73	3	4,451.21	3		3		3		3		3	
1/4	3,588.95	1/4	3,808.46	1/4	4,027.39	1/4	4,246.29	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,593.52	1/2	3,813.03	1/2	4,031.95	1/2	4,250.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,598.09	3/4	3,817.60	3/4	4,036.51	3/4	4,255.41	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,602.67	4	3,822.18	4	4,041.07	4	4,259.97	4		4		4		4		4		4	
1/4	3,607.24	1/4	3,826.74	1/4	4,045.64	1/4	4,264.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,611.81	1/2	3,831.30	1/2	4,050.20	1/2	4,269.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,616.39	3/4	3,835.86	3/4	4,054.76	3/4	4,273.66	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,620.96	5	3,840.42	5	4,059.32	5	4,278.22	5		5		5		5		5		5	
1/4	3,625.53	1/4	3,844.98	1/4	4,063.88	1/4	4,282.78	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,630.11	1/2	3,849.54	1/2	4,068.44	1/2	4,287.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,634.68	3/4	3,854.10	3/4	4,073.00	3/4	4,291.90	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,639.25	6	3,858.66	6	4,077.56	6	4,296.46	6		6		6		6		6		6	
1/4	3,643.82	1/4	3,863.22	1/4	4,082.12	1/4	4,300.97	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,648.40	1/2	3,867.78	1/2	4,086.68	1/2	4,305.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,652.97	3/4	3,872.34	3/4	4,091.24	3/4	4,310.00	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,657.54	7	3,876.90	7	4,095.80	7	4,314.52	7		7		7		7		7		7	
1/4	3,662.12	1/4	3,881.46	1/4	4,100.36	1/4	4,319.03	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,666.69	1/2	3,886.02	1/2	4,104.92	1/2	4,323.55	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,671.26	3/4	3,890.58	3/4	4,109.48	3/4	4,328.06	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,675.84	8	3,895.14	8	4,114.04	8	4,332.58	8		8		8		8		8		8	
1/4	3,680.41	1/4	3,899.70	1/4	4,118.60	1/4	4,337.10	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,684.98	1/2	3,904.26	1/2	4,123.16	1/2	4,341.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,689.56	3/4	3,908.82	3/4	4,127.72	3/4	4,346.13	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,694.13	9	3,913.38	9	4,132.28	9	4,350.64	9		9		9		9		9		9	
1/4	3,698.70	1/4	3,917.94	1/4	4,136.84	1/4	4,355.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,703.27	1/2	3,922.50	1/2	4,141.40	1/2	4,359.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,707.85	3/4	3,927.06	3/4	4,145.96	3/4	4,364.19	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,712.42	10	3,931.63	10	4,150.52	10	4,368.71	10		10		10		10		10		10	
1/4	3,716.99	1/4	3,936.19	1/4	4,155.08	1/4	4,373.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,721.57	1/2	3,940.75	1/2	4,159.65	1/2	4,377.74	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,726.14	3/4	3,945.31	3/4	4,164.21	3/4	4,382.26	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,730.71	11	3,949.87	11	4,168.77	11	4,386.77	11		11		11		11		11		11	
1/4	3,735.29	1/4	3,954.43	1/4	4,173.33	1/4	4,391.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,739.86	1/2	3,958.99	1/2	4,177.89	1/2	4,395.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,744.43	3/4	3,963.55	3/4	4,182.45	3/4	4,400.30	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/04/2017 CL
CALCULATED : 10/05/2017 CL
NAME CHANGE: 10/17/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

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



BARGE "CTC 29138"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 308"

GAUGE HEIGHT 17'-03 1/2"

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	15.27	0	357.78	0	715.38	0	1,072.59	0	1,430.11	0	1,787.73	0	2,145.35	0	2,502.89	0	2,860.04	0	3,217.16
1/4	19.92	1/4	365.23	1/4	722.84	1/4	1,080.03	1/4	1,437.56	1/4	1,795.18	1/4	2,152.80	1/4	2,510.33	1/4	2,867.48	1/4	3,224.57
1/2	24.58	1/2	372.68	1/2	730.29	1/2	1,087.46	1/2	1,445.01	1/2	1,802.63	1/2	2,160.25	1/2	2,517.77	1/2	2,874.92	1/2	3,231.98
3/4	29.23	3/4	380.13	3/4	737.74	3/4	1,094.90	3/4	1,452.46	3/4	1,810.08	3/4	2,167.70	3/4	2,525.21	3/4	2,882.36	3/4	3,239.40
1	33.89	1	387.58	1	745.19	1	1,102.33	1	1,459.91	1	1,817.53	1	2,175.15	1	2,532.66	1	2,889.80	1	3,246.81
1/4	40.41	1/4	395.03	1/4	752.64	1/4	1,109.78	1/4	1,467.36	1/4	1,824.98	1/4	2,182.60	1/4	2,540.10	1/4	2,897.24	1/4	3,254.22
1/2	46.93	1/2	402.48	1/2	760.09	1/2	1,117.22	1/2	1,474.81	1/2	1,832.43	1/2	2,190.05	1/2	2,547.54	1/2	2,904.68	1/2	3,261.63
3/4	53.44	3/4	409.93	3/4	767.54	3/4	1,124.67	3/4	1,482.26	3/4	1,839.88	3/4	2,197.50	3/4	2,554.98	3/4	2,912.12	3/4	3,269.04
2	59.96	2	417.38	2	774.99	2	1,132.11	2	1,489.71	2	1,847.33	2	2,204.95	2	2,562.42	2	2,919.56	2	3,276.45
1/4	67.37	1/4	424.83	1/4	782.44	1/4	1,139.56	1/4	1,497.16	1/4	1,854.78	1/4	2,212.40	1/4	2,569.86	1/4	2,927.00	1/4	3,283.87
1/2	74.79	1/2	432.28	1/2	789.89	1/2	1,147.00	1/2	1,504.61	1/2	1,862.23	1/2	2,219.85	1/2	2,577.30	1/2	2,934.44	1/2	3,291.28
3/4	82.20	3/4	439.73	3/4	797.34	3/4	1,154.45	3/4	1,512.06	3/4	1,869.68	3/4	2,227.30	3/4	2,584.74	3/4	2,941.88	3/4	3,298.69
3	89.62	3	447.18	3	804.79	3	1,161.89	3	1,519.51	3	1,877.13	3	2,234.75	3	2,592.18	3	2,949.32	3	3,306.10
1/4	97.06	1/4	454.63	1/4	812.24	1/4	1,169.34	1/4	1,526.96	1/4	1,884.58	1/4	2,242.20	1/4	2,599.63	1/4	2,956.76	1/4	3,313.51
1/2	104.50	1/2	462.08	1/2	819.69	1/2	1,176.79	1/2	1,534.41	1/2	1,892.03	1/2	2,249.65	1/2	2,607.07	1/2	2,964.20	1/2	3,320.92
3/4	111.93	3/4	469.53	3/4	827.14	3/4	1,184.24	3/4	1,541.86	3/4	1,899.48	3/4	2,257.10	3/4	2,614.51	3/4	2,971.64	3/4	3,328.33
4	119.37	4	476.98	4	834.59	4	1,191.70	4	1,549.31	4	1,906.93	4	2,264.55	4	2,621.95	4	2,979.08	4	3,335.75
1/4	126.82	1/4	484.43	1/4	842.04	1/4	1,199.15	1/4	1,556.76	1/4	1,914.38	1/4	2,272.00	1/4	2,629.39	1/4	2,986.52	1/4	3,343.16
1/2	134.27	1/2	491.88	1/2	849.49	1/2	1,206.60	1/2	1,564.22	1/2	1,921.83	1/2	2,279.45	1/2	2,636.83	1/2	2,993.96	1/2	3,350.57
3/4	141.72	3/4	499.33	3/4	856.94	3/4	1,214.05	3/4	1,571.67	3/4	1,929.28	3/4	2,286.90	3/4	2,644.27	3/4	3,001.40	3/4	3,357.98
5	149.17	5	506.78	5	864.39	5	1,221.50	5	1,579.12	5	1,936.74	5	2,294.35	5	2,651.71	5	3,008.84	5	3,365.39
1/4	156.62	1/4	514.23	1/4	871.82	1/4	1,228.95	1/4	1,586.57	1/4	1,944.19	1/4	2,301.80	1/4	2,659.15	1/4	3,016.28	1/4	3,372.80
1/2	164.07	1/2	521.68	1/2	879.26	1/2	1,236.40	1/2	1,594.02	1/2	1,951.64	1/2	2,309.26	1/2	2,666.59	1/2	3,023.72	1/2	3,380.21
3/4	171.52	3/4	529.13	3/4	886.70	3/4	1,243.85	3/4	1,601.47	3/4	1,959.09	3/4	2,316.71	3/4	2,674.03	3/4	3,031.16	3/4	3,387.62
6	178.97	6	536.58	6	894.13	6	1,251.30	6	1,608.92	6	1,966.54	6	2,324.16	6	2,681.47	6	3,038.60	6	3,395.02
1/4	186.42	1/4	544.03	1/4	901.57	1/4	1,258.75	1/4	1,616.37	1/4	1,973.99	1/4	2,331.61	1/4	2,688.91	1/4	3,046.04	1/4	3,402.42
1/2	193.87	1/2	551.48	1/2	909.00	1/2	1,266.20	1/2	1,623.82	1/2	1,981.44	1/2	2,339.06	1/2	2,696.35	1/2	3,053.48	1/2	3,409.82
3/4	201.32	3/4	558.93	3/4	916.44	3/4	1,273.65	3/4	1,631.27	3/4	1,988.89	3/4	2,346.51	3/4	2,703.79	3/4	3,060.92	3/4	3,417.22
7	208.77	7	566.38	7	923.88	7	1,281.10	7	1,638.72	7	1,996.34	7	2,353.96	7	2,711.23	7	3,068.36	7	3,424.62
1/4	216.22	1/4	573.83	1/4	931.31	1/4	1,288.55	1/4	1,646.17	1/4	2,003.79	1/4	2,361.41	1/4	2,718.67	1/4	3,075.80	1/4	3,431.79
1/2	223.67	1/2	581.28	1/2	938.75	1/2	1,296.00	1/2	1,653.62	1/2	2,011.24	1/2	2,368.86	1/2	2,726.11	1/2	3,083.24	1/2	3,438.96
3/4	231.12	3/4	588.73	3/4	946.18	3/4	1,303.45	3/4	1,661.07	3/4	2,018.69	3/4	2,376.31	3/4	2,733.55	3/4	3,090.68	3/4	3,446.13
8	238.57	8	596.18	8	953.62	8	1,310.90	8	1,668.52	8	2,026.14	8	2,383.76	8	2,740.99	8	3,098.12	8	3,453.30
1/4	246.02	1/4	603.63	1/4	961.05	1/4	1,318.35	1/4	1,675.97	1/4	2,033.59	1/4	2,391.21	1/4	2,748.43	1/4	3,105.56	1/4	3,459.99
1/2	253.47	1/2	611.08	1/2	968.49	1/2	1,325.80	1/2	1,683.42	1/2	2,041.04	1/2	2,398.66	1/2	2,755.87	1/2	3,113.00	1/2	3,466.69
3/4	260.92	3/4	618.53	3/4	975.93	3/4	1,333.25	3/4	1,690.87	3/4	2,048.49	3/4	2,406.11	3/4	2,763.31	3/4	3,120.44	3/4	3,473.38
9	268.37	9	625.98	9	983.36	9	1,340.70	9	1,698.32	9	2,055.94	9	2,413.56	9	2,770.75	9	3,127.88	9	3,480.07
1/4	275.82	1/4	633.43	1/4	990.80	1/4	1,348.15	1/4	1,705.77	1/4	2,063.39	1/4	2,421.01	1/4	2,778.19	1/4	3,135.32	1/4	3,486.29
1/2	283.27	1/2	640.88	1/2	998.23	1/2	1,355.60	1/2	1,713.22	1/2	2,070.84	1/2	2,428.46	1/2	2,785.64	1/2	3,142.76	1/2	3,492.50
3/4	290.72	3/4	648.33	3/4	1,005.67	3/4	1,363.05	3/4	1,720.67	3/4	2,078.29	3/4	2,435.91	3/4	2,793.08	3/4	3,150.20	3/4	3,498.71
10	298.17	10	655.78	10	1,013.10	10	1,370.50	10	1,728.12	10	2,085.74	10	2,443.36	10	2,800.52	10	3,157.64	10	3,504.93
1/4	305.62	1/4	663.23	1/4	1,020.54	1/4	1,377.96	1/4	1,735.57	1/4	2,093.19	1/4	2,450.80	1/4	2,807.96	1/4	3,165.08	1/4	3,510.66
1/2	313.07	1/2	670.68	1/2	1,027.98	1/2	1,385.41	1/2	1,743.02	1/2	2,100.64	1/2	2,458.24	1/2	2,815.40	1/2	3,172.52	1/2	3,516.40
3/4	320.52	3/4	678.13	3/4	1,035.41	3/4	1,392.86	3/4	1,750.48	3/4	2,108.09	3/4	2,465.69	3/4	2,822.84	3/4	3,179.96	3/4	3,522.13
11	327.97	11	685.58	11	1,042.85	11	1,400.31	11	1,757.93	11	2,115.54	11	2,473.13	11	2,830.28	11	3,187.40	11	3,527.87
1/4	335.42	1/4	693.03	1/4	1,050.28	1/4	1,407.76	1/4	1,765.38	1/4	2,123.00	1/4	2,480.57	1/4	2,837.72	1/4	3,194.84	1/4	3,533.12
1/2	342.87	1/2	700.48	1/2	1,057.72	1/2	1,415.21	1/2	1,772.83	1/2	2,130.45	1/2	2,488.01	1/2	2,845.16	1/2	3,202.28	1/2	3,538.38
3/4	350.33	3/4	707.93	3/4	1,065.16	3/4	1,422.66	3/4	1,780.28	3/4	2,137.90	3/4	2,495.45	3/4	2,852.60	3/4	3,209.72	3/4	3,543.63

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 INNAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29138"

**3 STBD
INNAGE TABLE**

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 308"

GAUGE HEIGHT 17'-03 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	3,548.89	0	3,769.40	0	3,988.54	0	4,207.49	0	4,425.32	0		0		0		0		0	
1/4	3,553.70	1/4	3,773.97	1/4	3,993.11	1/4	4,212.05	1/4	4,429.79	1/4		1/4		1/4		1/4		1/4	
1/2	3,558.52	1/2	3,778.55	1/2	3,997.67	1/2	4,216.61	1/2	4,434.27	1/2		1/2		1/2		1/2		1/2	
3/4	3,563.33	3/4	3,783.12	3/4	4,002.23	3/4	4,221.17	3/4	4,438.74	3/4		3/4		3/4		3/4		3/4	
1	3,568.14	1	3,787.69	1	4,006.79	1	4,225.73	1	4,443.22	1		1		1		1		1	
1/4	3,572.72	1/4	3,792.27	1/4	4,011.35	1/4	4,230.29	1/4	4,447.16	1/4		1/4		1/4		1/4		1/4	
1/2	3,577.29	1/2	3,796.84	1/2	4,015.91	1/2	4,234.85	1/2	4,451.11	1/2		1/2		1/2		1/2		1/2	
3/4	3,581.86	3/4	3,801.42	3/4	4,020.47	3/4	4,239.42	3/4	4,455.05	3/4		3/4		3/4		3/4		3/4	
2	3,586.44	2	3,805.99	2	4,025.03	2	4,243.98	2	4,459.00	2		2		2		2		2	
1/4	3,591.01	1/4	3,810.56	1/4	4,029.60	1/4	4,248.54	1/4	4,462.18	1/4		1/4		1/4		1/4		1/4	
1/2	3,595.59	1/2	3,815.14	1/2	4,034.16	1/2	4,253.10	1/2	4,465.37	1/2		1/2		1/2		1/2		1/2	
3/4	3,600.16	3/4	3,819.71	3/4	4,038.72	3/4	4,257.66	3/4	4,468.55	3/4		3/4		3/4		3/4		3/4	
3	3,604.73	3	3,824.29	3	4,043.28	3	4,262.22	3	4,471.73	3		3		3		3		3	
1/4	3,609.31	1/4	3,828.86	1/4	4,047.84	1/4	4,266.78	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,613.88	1/2	3,833.43	1/2	4,052.40	1/2	4,271.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,618.46	3/4	3,838.01	3/4	4,056.96	3/4	4,275.91	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,623.03	4	3,842.58	4	4,061.53	4	4,280.47	4		4		4		4		4		4	
1/4	3,627.60	1/4	3,847.14	1/4	4,066.09	1/4	4,285.03	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,632.18	1/2	3,851.71	1/2	4,070.65	1/2	4,289.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,636.75	3/4	3,856.27	3/4	4,075.21	3/4	4,294.15	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,641.33	5	3,860.83	5	4,079.77	5	4,298.71	5		5		5		5		5		5	
1/4	3,645.90	1/4	3,865.39	1/4	4,084.33	1/4	4,303.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,650.47	1/2	3,869.95	1/2	4,088.89	1/2	4,307.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,655.05	3/4	3,874.51	3/4	4,093.45	3/4	4,312.40	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,659.62	6	3,879.07	6	4,098.02	6	4,316.96	6		6		6		6		6		6	
1/4	3,664.20	1/4	3,883.63	1/4	4,102.58	1/4	4,321.47	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,668.77	1/2	3,888.20	1/2	4,107.14	1/2	4,325.99	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,673.34	3/4	3,892.76	3/4	4,111.70	3/4	4,330.51	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,677.92	7	3,897.32	7	4,116.26	7	4,335.02	7		7		7		7		7		7	
1/4	3,682.49	1/4	3,901.88	1/4	4,120.82	1/4	4,339.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,687.07	1/2	3,906.44	1/2	4,125.38	1/2	4,344.06	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,691.64	3/4	3,911.00	3/4	4,129.94	3/4	4,348.57	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,696.21	8	3,915.56	8	4,134.51	8	4,353.09	8		8		8		8		8		8	
1/4	3,700.79	1/4	3,920.12	1/4	4,139.07	1/4	4,357.60	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,705.36	1/2	3,924.69	1/2	4,143.63	1/2	4,362.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,709.94	3/4	3,929.25	3/4	4,148.19	3/4	4,366.64	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,714.51	9	3,933.81	9	4,152.75	9	4,371.15	9		9		9		9		9		9	
1/4	3,719.08	1/4	3,938.37	1/4	4,157.31	1/4	4,375.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,723.66	1/2	3,942.93	1/2	4,161.87	1/2	4,380.19	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,728.23	3/4	3,947.49	3/4	4,166.44	3/4	4,384.71	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,732.81	10	3,952.05	10	4,171.00	10	4,389.22	10		10		10		10		10		10	
1/4	3,737.38	1/4	3,956.62	1/4	4,175.56	1/4	4,393.74	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,741.95	1/2	3,961.18	1/2	4,180.12	1/2	4,398.26	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,746.53	3/4	3,965.74	3/4	4,184.68	3/4	4,402.77	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,751.10	11	3,970.30	11	4,189.24	11	4,407.29	11		11		11		11		11		11	
1/4	3,755.68	1/4	3,974.86	1/4	4,193.80	1/4	4,411.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,760.25	1/2	3,979.42	1/2	4,198.36	1/2	4,416.30	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,764.82	3/4	3,983.98	3/4	4,202.93	3/4	4,420.81	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/04/2017 CL
CALCULATED : 10/05/2017 CL
NAME CHANGE: 10/17/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

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



BARGE "CTC 29138"

SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "E2MS 308"

GAUGE HEIGHT 5'-08 1/2"

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	433	0	1,021	0	1,641	0	2,206	0		0	0	0	0	0	0	0	0
1/4	5	1/4	444	1/4	1,034	1/4	1,653	1/4	2,216	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	11	1/2	456	1/2	1,047	1/2	1,666	1/2	2,227	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	16	3/4	467	3/4	1,060	3/4	1,678	3/4	2,237	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	21	1	479	1	1,073	1	1,691	1	2,247	1		1	1	1	1	1	1	1	1
1/4	28	1/4	490	1/4	1,086	1/4	1,703	1/4	2,257	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	35	1/2	502	1/2	1,099	1/2	1,716	1/2	2,267	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	41	3/4	513	3/4	1,111	3/4	1,729	3/4	2,277	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	48	2	525	2	1,124	2	1,741	2	2,287	2		2	2	2	2	2	2	2	2
1/4	56	1/4	537	1/4	1,137	1/4	1,753	1/4	2,297	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	63	1/2	549	1/2	1,150	1/2	1,766	1/2	2,306	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71	3/4	560	3/4	1,163	3/4	1,778	3/4	2,316	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	78	3	572	3	1,176	3	1,791	3	2,326	3		3	3	3	3	3	3	3	3
1/4	86	1/4	584	1/4	1,189	1/4	1,803	1/4	2,335	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	95	1/2	596	1/2	1,202	1/2	1,815	1/2	2,344	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	103	3/4	608	3/4	1,215	3/4	1,827	3/4	2,353	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	111	4	620	4	1,228	4	1,840	4	2,362	4		4	4	4	4	4	4	4	4
1/4	120	1/4	632	1/4	1,241	1/4	1,852	1/4	2,371	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	128	1/2	644	1/2	1,254	1/2	1,864	1/2	2,380	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	137	3/4	656	3/4	1,267	3/4	1,876	3/4	2,389	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	146	5	669	5	1,280	5	1,888	5	2,397	5		5	5	5	5	5	5	5	5
1/4	155	1/4	681	1/4	1,293	1/4	1,900	1/4	2,406	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	164	1/2	693	1/2	1,306	1/2	1,912	1/2	2,414	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	173	3/4	705	3/4	1,319	3/4	1,924	3/4	2,422	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	183	6	718	6	1,332	6	1,936	6	2,430	6		6	6	6	6	6	6	6	6
1/4	192	1/4	730	1/4	1,345	1/4	1,948	1/4	2,438	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	202	1/2	742	1/2	1,358	1/2	1,960	1/2	2,445	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	211	3/4	755	3/4	1,371	3/4	1,971	3/4	2,453	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	221	7	767	7	1,384	7	1,983	7	2,460	7		7	7	7	7	7	7	7	7
1/4	231	1/4	780	1/4	1,397	1/4	1,995	1/4	2,467	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	241	1/2	792	1/2	1,410	1/2	2,006	1/2	2,473	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	251	3/4	805	3/4	1,423	3/4	2,018	3/4	2,480	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	261	8	817	8	1,436	8	2,030	8	2,487	8		8	8	8	8	8	8	8	8
1/4	271	1/4	830	1/4	1,449	1/4	2,041	1/4	2,492	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	282	1/2	843	1/2	1,461	1/2	2,052	1/2	2,498	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	292	3/4	855	3/4	1,474	3/4	2,064	3/4	2,503	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	302	9	868	9	1,487	9	2,075	9	2,508	9		9	9	9	9	9	9	9	9
1/4	313	1/4	880	1/4	1,500	1/4	2,086	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	324	1/2	893	1/2	1,513	1/2	2,098	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	334	3/4	906	3/4	1,526	3/4	2,109	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	345	10	919	10	1,539	10	2,120	10		10		10	10	10	10	10	10	10	10
1/4	356	1/4	931	1/4	1,551	1/4	2,131	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	367	1/2	944	1/2	1,564	1/2	2,142	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	378	3/4	957	3/4	1,577	3/4	2,153	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	388	11	970	11	1,590	11	2,163	11		11		11	11	11	11	11	11	11	11
1/4	400	1/4	983	1/4	1,602	1/4	2,174	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	411	1/2	995	1/2	1,615	1/2	2,185	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	422	3/4	1,008	3/4	1,628	3/4	2,195	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 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" HERMETIC VALVE.

STRAPPED: 10/04/2017 CL
CALCULATED: 10/05/2017 CL
NAME CHANGE: 10/17/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 29138"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "E2MS 308"

GAUGE HEIGHT 4'-05 1/2"

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	100	0	257	0	412	0		0		0		0		0		0	
1/4	1	1/4	103	1/4	260	1/4	415	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1	1/2	106	1/2	263	1/2	417	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	109	3/4	267	3/4	420	3/4		3/4		3/4		3/4		3/4		3/4	
1	3	1	112	1	270	1	423	1		1		1		1		1		1	
1/4	4	1/4	115	1/4	273	1/4	426	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	5	1/2	119	1/2	277	1/2	429	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	6	3/4	122	3/4	280	3/4	431	3/4		3/4		3/4		3/4		3/4		3/4	
2	7	2	125	2	284	2	434	2		2		2		2		2		2	
1/4	9	1/4	128	1/4	287	1/4	437	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	10	1/2	131	1/2	290	1/2	440	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	12	3/4	134	3/4	294	3/4	442	3/4		3/4		3/4		3/4		3/4		3/4	
3	13	3	137	3	297	3	445	3		3		3		3		3		3	
1/4	15	1/4	140	1/4	300	1/4	447	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	17	1/2	144	1/2	304	1/2	450	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	19	3/4	147	3/4	307	3/4	452	3/4		3/4		3/4		3/4		3/4		3/4	
4	20	4	150	4	311	4	455	4		4		4		4		4		4	
1/4	22	1/4	153	1/4	314	1/4	457	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	24	1/2	156	1/2	317	1/2	460	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	26	3/4	160	3/4	320	3/4	462	3/4		3/4		3/4		3/4		3/4		3/4	
5	28	5	163	5	324	5	465	5		5		5		5		5		5	
1/4	31	1/4	166	1/4	327	1/4	467	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	33	1/2	169	1/2	330	1/2	469	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	35	3/4	173	3/4	334	3/4	471	3/4		3/4		3/4		3/4		3/4		3/4	
6	37	6	176	6	337	6	474	6		6		6		6		6		6	
1/4	39	1/4	179	1/4	340	1/4	476	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	42	1/2	183	1/2	343	1/2	478	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	44	3/4	186	3/4	347	3/4	480	3/4		3/4		3/4		3/4		3/4		3/4	
7	46	7	189	7	350	7	482	7		7		7		7		7		7	
1/4	49	1/4	192	1/4	353	1/4	484	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	51	1/2	196	1/2	356	1/2	486	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	54	3/4	199	3/4	360	3/4	488	3/4		3/4		3/4		3/4		3/4		3/4	
8	56	8	202	8	363	8	489	8		8		8		8		8		8	
1/4	59	1/4	206	1/4	366	1/4	491	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	62	1/2	209	1/2	369	1/2	493	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	64	3/4	213	3/4	372	3/4	494	3/4		3/4		3/4		3/4		3/4		3/4	
9	67	9	216	9	375	9	496	9		9		9		9		9		9	
1/4	69	1/4	219	1/4	379	1/4	497	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	72	1/2	223	1/2	382	1/2	499	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	75	3/4	226	3/4	385	3/4	500	3/4		3/4		3/4		3/4		3/4		3/4	
10	78	10	229	10	388	10	502	10		10		10		10		10		10	
1/4	80	1/4	233	1/4	391	1/4	502	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	83	1/2	236	1/2	394	1/2	502	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	86	3/4	240	3/4	397	3/4	502	3/4		3/4		3/4		3/4		3/4		3/4	
11	89	11	243	11	400	11	502	11		11		11		11		11		11	
1/4	92	1/4	246	1/4	403	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	95	1/2	250	1/2	406	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	98	3/4	253	3/4	409	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

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 AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE.

STRAPPED: 10/04/2017 CL
CALCULATED: 10/05/2017 CL
NAME CHANGE: 10/17/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 29138"

ULLAGE (HERMETIC)

FORMERLY "E2MS 308"

	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	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
2 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
2 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
3 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
3 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 6'-00"
 DIFF. = 4'-00" (DOWN BY STERN)

THE CORRECTION FOR 4'-00" TRIM DOWN BY STERN FOR 1 PORT IS 00-0/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 0/8"

LENGTH BETWEEN DRAFT MARKS: 235'-09"

October 17, 2022

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29138"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 308"

GAUGE HEIGHT 17'-03 1/2"

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		0	4,700.10	0	4,342.49	0	3,984.84	0	3,626.18	0	3,267.52	0	2,908.86		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,692.65	1/4	4,335.04	1/4	3,977.37	1/4	3,618.71	1/4	3,260.05	1/4	2,901.39		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,027.39	1/2	4,685.20	1/2	4,327.59	1/2	3,969.90	1/2	3,611.24	1/2	3,252.58	1/2	2,893.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,022.19	3/4	4,677.75	3/4	4,320.14	3/4	3,962.43	3/4	3,603.77	3/4	3,245.11	3/4	2,886.44
1		1		1		1		1	5,016.99	1	4,670.30	1	4,312.69	1	3,954.95	1	3,596.29	1	3,237.63	1	2,878.97
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,011.79	1/4	4,662.85	1/4	4,305.24	1/4	3,947.48	1/4	3,588.82	1/4	3,230.16	1/4	2,871.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,006.60	1/2	4,655.40	1/2	4,297.79	1/2	3,940.01	1/2	3,581.35	1/2	3,222.69	1/2	2,864.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,000.15	3/4	4,647.95	3/4	4,290.34	3/4	3,932.54	3/4	3,573.88	3/4	3,215.22	3/4	2,856.56
2		2		2		2		2	4,993.71	2	4,640.50	2	4,282.89	2	3,925.07	2	3,566.41	2	3,207.75	2	2,849.08
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,987.26	1/4	4,633.05	1/4	4,275.44	1/4	3,917.59	1/4	3,558.93	1/4	3,200.27	1/4	2,841.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,980.82	1/2	4,625.60	1/2	4,267.99	1/2	3,910.12	1/2	3,551.46	1/2	3,192.80	1/2	2,834.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,973.51	3/4	4,618.15	3/4	4,260.54	3/4	3,902.65	3/4	3,543.99	3/4	3,185.33	3/4	2,826.67
3		3		3		3		3	4,966.20	3	4,610.70	3	4,253.09	3	3,895.18	3	3,536.52	3	3,177.86	3	2,819.20
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,958.90	1/4	4,603.25	1/4	4,245.64	1/4	3,887.71	1/4	3,529.05	1/4	3,170.38	1/4	2,811.72
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,951.59	1/2	4,595.80	1/2	4,238.19	1/2	3,880.23	1/2	3,521.57	1/2	3,162.91	1/2	2,804.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,944.22	3/4	4,588.35	3/4	4,230.74	3/4	3,872.76	3/4	3,514.10	3/4	3,155.44	3/4	2,796.78
4		4		4		4		4	4,936.86	4	4,580.90	4	4,223.29	4	3,865.29	4	3,506.63	4	3,147.97	4	2,789.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,929.50	1/4	4,573.45	1/4	4,215.84	1/4	3,857.82	1/4	3,499.16	1/4	3,140.50	1/4	2,781.84
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,922.13	1/2	4,566.00	1/2	4,208.39	1/2	3,850.35	1/2	3,491.68	1/2	3,133.02	1/2	2,774.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,914.76	3/4	4,558.55	3/4	4,200.94	3/4	3,842.87	3/4	3,484.21	3/4	3,125.55	3/4	2,766.89
5		5		5		5		5	4,907.38	5	4,551.09	5	4,193.49	5	3,835.40	5	3,476.74	5	3,118.08	5	2,759.42
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,900.01	1/4	4,543.64	1/4	4,186.04	1/4	3,827.93	1/4	3,469.27	1/4	3,110.61	1/4	2,751.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,892.63	1/2	4,536.19	1/2	4,178.59	1/2	3,820.46	1/2	3,461.80	1/2	3,103.14	1/2	2,744.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,885.26	3/4	4,528.74	3/4	4,171.14	3/4	3,812.99	3/4	3,454.32	3/4	3,095.66	3/4	2,737.00
6		6		6		6		6	4,877.88	6	4,521.29	6	4,163.69	6	3,805.51	6	3,446.85	6	3,088.19	6	2,729.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,870.50	1/4	4,513.84	1/4	4,156.24	1/4	3,798.04	1/4	3,439.38	1/4	3,080.72	1/4	2,722.06
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,863.12	1/2	4,506.39	1/2	4,148.79	1/2	3,790.57	1/2	3,431.91	1/2	3,073.25	1/2	2,714.59
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,855.74	3/4	4,498.94	3/4	4,141.34	3/4	3,783.10	3/4	3,424.44	3/4	3,065.78	3/4	2,707.11
7		7		7		7		7	4,848.37	7	4,491.49	7	4,133.89	7	3,775.62	7	3,416.96	7	3,058.30	7	2,699.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,840.99	1/4	4,484.04	1/4	4,126.44	1/4	3,768.15	1/4	3,409.49	1/4	3,050.83	1/4	2,692.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,833.61	1/2	4,476.59	1/2	4,118.99	1/2	3,760.68	1/2	3,402.02	1/2	3,043.36	1/2	2,684.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,826.24	3/4	4,469.14	3/4	4,111.54	3/4	3,753.21	3/4	3,394.55	3/4	3,035.89	3/4	2,677.23
8		8		8		8		8	4,818.86	8	4,461.69	8	4,104.09	8	3,745.74	8	3,387.08	8	3,028.41	8	2,669.75
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,811.48	1/4	4,454.24	1/4	4,096.64	1/4	3,738.26	1/4	3,379.60	1/4	3,020.94	1/4	2,662.28
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,804.11	1/2	4,446.79	1/2	4,089.19	1/2	3,730.79	1/2	3,372.13	1/2	3,013.47	1/2	2,654.81
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,796.73	3/4	4,439.34	3/4	4,081.74	3/4	3,723.32	3/4	3,364.66	3/4	3,006.00	3/4	2,647.34
9		9		9		9		9	4,789.35	9	4,431.89	9	4,074.29	9	3,715.85	9	3,357.19	9	2,998.53	9	2,639.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,781.97	1/4	4,424.44	1/4	4,066.84	1/4	3,708.38	1/4	3,349.71	1/4	2,991.05	1/4	2,632.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,774.60	1/2	4,416.99	1/2	4,059.39	1/2	3,700.90	1/2	3,342.24	1/2	2,983.58	1/2	2,624.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,767.15	3/4	4,409.54	3/4	4,051.94	3/4	3,693.43	3/4	3,334.77	3/4	2,976.11	3/4	2,617.45
10		10		10		10		10	4,759.70	10	4,402.09	10	4,044.49	10	3,685.96	10	3,327.30	10	2,968.64	10	2,609.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,752.25	1/4	4,394.64	1/4	4,037.04	1/4	3,678.49	1/4	3,319.83	1/4	2,961.17	1/4	2,602.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,744.80	1/2	4,387.19	1/2	4,029.59	1/2	3,671.02	1/2	3,312.35	1/2	2,953.69	1/2	2,595.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,737.35	3/4	4,379.74	3/4	4,022.14	3/4	3,663.54	3/4	3,304.88	3/4	2,946.22	3/4	2,587.56
11		11		11		11		11	4,729.90	11	4,372.29	11	4,014.69	11	3,656.07	11	3,297.41	11	2,938.75	11	2,580.08
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,722.45	1/4	4,364.84	1/4	4,007.24	1/4	3,648.60	1/4	3,289.94	1/4	2,931.28	1/4	2,572.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,715.00	1/2	4,357.39	1/2	3,999.79	1/2	3,641.13	1/2	3,282.47	1/2	2,923.81	1/2	2,565.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,707.55	3/4	4,349.94	3/4	3,992.32	3/4	3,633.65	3/4	3,274.99	3/4	2,916.33	3/4	2,557.66

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" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29138"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 308"

GAUGE HEIGHT 17'-03 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,550.19	0	2,191.43	0	1,832.67	0	1,473.92	0	1,115.22	0	758.95	0	402.43	0	83.70	0		0	
1/4	2,542.71	1/4	2,183.96	1/4	1,825.20	1/4	1,466.44	1/4	1,107.78	1/4	751.47	1/4	395.27	1/4	77.59	1/4		1/4	
1/2	2,535.24	1/2	2,176.48	1/2	1,817.73	1/2	1,458.97	1/2	1,100.34	1/2	744.00	1/2	388.10	1/2	71.49	1/2		1/2	
3/4	2,527.77	3/4	2,169.01	3/4	1,810.25	3/4	1,451.50	3/4	1,092.90	3/4	736.53	3/4	381.02	3/4	65.50	3/4		3/4	
1	2,520.29	1	2,161.54	1	1,802.78	1	1,444.02	1	1,085.45	1	729.05	1	373.94	1	59.51	1		1	
1/4	2,512.82	1/4	2,154.06	1/4	1,795.30	1/4	1,436.55	1/4	1,078.01	1/4	721.58	1/4	366.86	1/4	53.52	1/4		1/4	
1/2	2,505.34	1/2	2,146.59	1/2	1,787.83	1/2	1,429.07	1/2	1,070.57	1/2	714.10	1/2	359.78	1/2	47.53	1/2		1/2	
3/4	2,497.87	3/4	2,139.11	3/4	1,780.36	3/4	1,421.60	3/4	1,063.14	3/4	706.63	3/4	352.79	3/4	42.52	3/4		3/4	
2	2,490.40	2	2,131.64	2	1,772.88	2	1,414.13	2	1,055.72	2	699.16	2	345.80	2	37.52	2		2	
1/4	2,482.92	1/4	2,124.16	1/4	1,765.41	1/4	1,406.65	1/4	1,048.30	1/4	691.68	1/4	338.81	1/4	32.51	1/4		1/4	
1/2	2,475.45	1/2	2,116.69	1/2	1,757.93	1/2	1,399.18	1/2	1,040.87	1/2	684.21	1/2	331.82	1/2	27.51	1/2		1/2	
3/4	2,467.97	3/4	2,109.22	3/4	1,750.46	3/4	1,391.70	3/4	1,033.46	3/4	676.74	3/4	324.91	3/4	24.46	3/4		3/4	
3	2,460.50	3	2,101.74	3	1,742.99	3	1,384.23	3	1,026.04	3	669.26	3	318.01	3	21.41	3		3	
1/4	2,453.02	1/4	2,094.27	1/4	1,735.51	1/4	1,376.75	1/4	1,018.63	1/4	661.79	1/4	311.10	1/4	18.36	1/4		1/4	
1/2	2,445.55	1/2	2,086.79	1/2	1,728.04	1/2	1,369.28	1/2	1,011.21	1/2	654.31	1/2	304.20	1/2	15.31	1/2		1/2	
3/4	2,438.08	3/4	2,079.32	3/4	1,720.56	3/4	1,361.81	3/4	1,003.80	3/4	646.84	3/4	297.38	3/4		3/4		3/4	
4	2,430.60	4	2,071.85	4	1,713.09	4	1,354.33	4	996.38	4	639.37	4	290.57	4		4		4	
1/4	2,423.13	1/4	2,064.37	1/4	1,705.61	1/4	1,346.86	1/4	988.97	1/4	631.89	1/4	283.75	1/4		1/4		1/4	
1/2	2,415.65	1/2	2,056.90	1/2	1,698.14	1/2	1,339.38	1/2	981.55	1/2	624.42	1/2	276.93	1/2		1/2		1/2	
3/4	2,408.18	3/4	2,049.42	3/4	1,690.67	3/4	1,331.91	3/4	974.14	3/4	616.94	3/4	270.21	3/4		3/4		3/4	
5	2,400.71	5	2,041.95	5	1,683.19	5	1,324.44	5	966.72	5	609.47	5	263.48	5		5		5	
1/4	2,393.23	1/4	2,034.48	1/4	1,675.72	1/4	1,316.96	1/4	959.31	1/4	602.00	1/4	256.75	1/4		1/4		1/4	
1/2	2,385.76	1/2	2,027.00	1/2	1,668.24	1/2	1,309.49	1/2	951.89	1/2	594.52	1/2	250.02	1/2		1/2		1/2	
3/4	2,378.28	3/4	2,019.53	3/4	1,660.77	3/4	1,302.01	3/4	944.48	3/4	587.05	3/4	243.38	3/4		3/4		3/4	
6	2,370.81	6	2,012.05	6	1,653.30	6	1,294.54	6	937.06	6	579.59	6	236.74	6		6		6	
1/4	2,363.34	1/4	2,004.58	1/4	1,645.82	1/4	1,287.07	1/4	929.65	1/4	572.12	1/4	230.10	1/4		1/4		1/4	
1/2	2,355.86	1/2	1,997.10	1/2	1,638.35	1/2	1,279.59	1/2	922.23	1/2	564.65	1/2	223.46	1/2		1/2		1/2	
3/4	2,348.39	3/4	1,989.63	3/4	1,630.87	3/4	1,272.12	3/4	914.82	3/4	557.18	3/4	216.90	3/4		3/4		3/4	
7	2,340.91	7	1,982.16	7	1,623.40	7	1,264.64	7	907.40	7	549.71	7	210.35	7		7		7	
1/4	2,333.44	1/4	1,974.68	1/4	1,615.93	1/4	1,257.17	1/4	899.99	1/4	542.24	1/4	203.80	1/4		1/4		1/4	
1/2	2,325.97	1/2	1,967.21	1/2	1,608.45	1/2	1,249.69	1/2	892.57	1/2	534.77	1/2	197.24	1/2		1/2		1/2	
3/4	2,318.49	3/4	1,959.73	3/4	1,600.98	3/4	1,242.22	3/4	885.16	3/4	527.30	3/4	190.78	3/4		3/4		3/4	
8	2,311.02	8	1,952.26	8	1,593.50	8	1,234.75	8	877.74	8	519.83	8	184.31	8		8		8	
1/4	2,303.54	1/4	1,944.79	1/4	1,586.03	1/4	1,227.27	1/4	870.33	1/4	512.35	1/4	177.85	1/4		1/4		1/4	
1/2	2,296.07	1/2	1,937.31	1/2	1,578.56	1/2	1,219.80	1/2	862.91	1/2	504.88	1/2	171.38	1/2		1/2		1/2	
3/4	2,288.59	3/4	1,929.84	3/4	1,571.08	3/4	1,212.32	3/4	855.50	3/4	497.45	3/4	165.00	3/4		3/4		3/4	
9	2,281.12	9	1,922.36	9	1,563.61	9	1,204.85	9	848.08	9	490.02	9	158.63	9		9		9	
1/4	2,273.65	1/4	1,914.89	1/4	1,556.13	1/4	1,197.38	1/4	840.67	1/4	482.59	1/4	152.25	1/4		1/4		1/4	
1/2	2,266.17	1/2	1,907.42	1/2	1,548.66	1/2	1,189.90	1/2	833.25	1/2	475.16	1/2	145.87	1/2		1/2		1/2	
3/4	2,258.70	3/4	1,899.94	3/4	1,541.18	3/4	1,182.43	3/4	825.84	3/4	467.82	3/4	139.58	3/4		3/4		3/4	
10	2,251.22	10	1,892.47	10	1,533.71	10	1,174.95	10	818.42	10	460.47	10	133.29	10		10		10	
1/4	2,243.75	1/4	1,884.99	1/4	1,526.24	1/4	1,167.48	1/4	811.01	1/4	453.13	1/4	127.00	1/4		1/4		1/4	
1/2	2,236.28	1/2	1,877.52	1/2	1,518.76	1/2	1,160.01	1/2	803.59	1/2	445.79	1/2	120.71	1/2		1/2		1/2	
3/4	2,228.80	3/4	1,870.05	3/4	1,511.29	3/4	1,152.53	3/4	796.17	3/4	438.53	3/4	114.51	3/4		3/4		3/4	
11	2,221.33	11	1,862.57	11	1,503.81	11	1,145.06	11	788.74	11	431.28	11	108.31	11		11		11	
1/4	2,213.85	1/4	1,855.10	1/4	1,496.34	1/4	1,137.58	1/4	781.32	1/4	424.02	1/4	102.11	1/4		1/4		1/4	
1/2	2,206.38	1/2	1,847.62	1/2	1,488.87	1/2	1,130.11	1/2	773.90	1/2	416.77	1/2	95.90	1/2		1/2		1/2	
3/4	2,198.91	3/4	1,840.15	3/4	1,481.39	3/4	1,122.67	3/4	766.42	3/4	409.60	3/4	89.80	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/04/2017 CL
CALCULATED : 10/05/2017 CL
NAME CHANGE: 10/17/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29138"

1 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 308"

GAUGE HEIGHT 17'-03 1/4"

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		0	4,682.16	0	4,325.51	0	3,968.79	0	3,611.09	0	3,253.39	0	2,895.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,016.00	1/4	4,674.73	1/4	4,318.08	1/4	3,961.34	1/4	3,603.64	1/4	3,245.94
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,010.82	1/2	4,667.30	1/2	4,310.65	1/2	3,953.89	1/2	3,596.19	1/2	3,238.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,005.63	3/4	4,659.87	3/4	4,303.22	3/4	3,946.44	3/4	3,588.74	3/4	3,231.04
1		1		1		1		1	5,000.45	1	4,652.44	1	4,295.79	1	3,938.99	1	3,581.28	1	3,223.58
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,995.26	1/4	4,645.01	1/4	4,288.36	1/4	3,931.53	1/4	3,573.83	1/4	3,216.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,988.84	1/2	4,637.58	1/2	4,280.93	1/2	3,924.08	1/2	3,566.38	1/2	3,208.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,982.41	3/4	4,630.15	3/4	4,273.50	3/4	3,916.63	3/4	3,558.93	3/4	3,201.23
2		2		2		2		2	4,975.98	2	4,622.72	2	4,266.07	2	3,909.18	2	3,551.48	2	3,193.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,969.55	1/4	4,615.29	1/4	4,258.64	1/4	3,901.73	1/4	3,544.02	1/4	3,186.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,962.27	1/2	4,607.86	1/2	4,251.21	1/2	3,894.27	1/2	3,536.57	1/2	3,178.87
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,954.98	3/4	4,600.43	3/4	4,243.78	3/4	3,886.82	3/4	3,529.12	3/4	3,171.42
3		3		3		3		3	4,947.69	3	4,593.00	3	4,236.35	3	3,879.37	3	3,521.67	3	3,163.97
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,940.40	1/4	4,585.57	1/4	4,228.92	1/4	3,871.92	1/4	3,514.22	1/4	3,156.52
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,933.06	1/2	4,578.14	1/2	4,221.49	1/2	3,864.46	1/2	3,506.76	1/2	3,149.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,925.71	3/4	4,570.71	3/4	4,214.06	3/4	3,857.01	3/4	3,499.31	3/4	3,141.61
4		4		4		4		4	4,918.37	4	4,563.28	4	4,206.63	4	3,849.56	4	3,491.86	4	3,134.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,911.03	1/4	4,555.85	1/4	4,199.20	1/4	3,842.11	1/4	3,484.41	1/4	3,126.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,903.67	1/2	4,548.42	1/2	4,191.77	1/2	3,834.66	1/2	3,476.96	1/2	3,119.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,896.32	3/4	4,540.99	3/4	4,184.34	3/4	3,827.20	3/4	3,469.50	3/4	3,111.80
5		5		5		5		5	4,888.96	5	4,533.56	5	4,176.91	5	3,819.75	5	3,462.05	5	3,104.35
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,881.61	1/4	4,526.12	1/4	4,169.48	1/4	3,812.30	1/4	3,454.60	1/4	3,096.90
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,874.25	1/2	4,518.69	1/2	4,162.05	1/2	3,804.85	1/2	3,447.15	1/2	3,089.45
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,866.89	3/4	4,511.26	3/4	4,154.61	3/4	3,797.40	3/4	3,439.70	3/4	3,081.99
6		6		6		6		6	4,859.53	6	4,503.83	6	4,147.18	6	3,789.94	6	3,432.24	6	3,074.54
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,852.17	1/4	4,496.40	1/4	4,139.75	1/4	3,782.49	1/4	3,424.79	1/4	3,067.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,844.82	1/2	4,488.97	1/2	4,132.32	1/2	3,775.04	1/2	3,417.34	1/2	3,059.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,837.46	3/4	4,481.54	3/4	4,124.89	3/4	3,767.59	3/4	3,409.89	3/4	3,052.19
7		7		7		7		7	4,830.10	7	4,474.11	7	4,117.46	7	3,760.14	7	3,402.43	7	3,044.73
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,822.75	1/4	4,466.68	1/4	4,110.03	1/4	3,752.68	1/4	3,394.98	1/4	3,037.28
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,815.39	1/2	4,459.25	1/2	4,102.60	1/2	3,745.23	1/2	3,387.53	1/2	3,029.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,808.03	3/4	4,451.82	3/4	4,095.17	3/4	3,737.78	3/4	3,380.08	3/4	3,022.38
8		8		8		8		8	4,800.68	8	4,444.39	8	4,087.74	8	3,730.33	8	3,372.63	8	3,014.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,793.32	1/4	4,436.96	1/4	4,080.31	1/4	3,722.87	1/4	3,365.17	1/4	3,007.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,785.96	1/2	4,429.53	1/2	4,072.88	1/2	3,715.42	1/2	3,357.72	1/2	3,000.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,778.60	3/4	4,422.10	3/4	4,065.45	3/4	3,707.97	3/4	3,350.27	3/4	2,992.57
9		9		9		9		9	4,771.25	9	4,414.67	9	4,058.02	9	3,700.52	9	3,342.82	9	2,985.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,763.89	1/4	4,407.24	1/4	4,050.59	1/4	3,693.07	1/4	3,335.37	1/4	2,977.66
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,756.46	1/2	4,399.81	1/2	4,043.16	1/2	3,685.61	1/2	3,327.91	1/2	2,970.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,749.03	3/4	4,392.38	3/4	4,035.73	3/4	3,678.16	3/4	3,320.46	3/4	2,962.76
10		10		10		10		10	4,741.60	10	4,384.95	10	4,028.30	10	3,670.71	10	3,313.01	10	2,955.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,734.17	1/4	4,377.52	1/4	4,020.87	1/4	3,663.26	1/4	3,305.56	1/4	2,947.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,726.74	1/2	4,370.09	1/2	4,013.44	1/2	3,655.81	1/2	3,298.11	1/2	2,940.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,719.31	3/4	4,362.66	3/4	4,006.01	3/4	3,648.35	3/4	3,290.65	3/4	2,932.95
11		11		11		11		11	4,711.88	11	4,355.23	11	3,998.58	11	3,640.90	11	3,283.20	11	2,925.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,704.45	1/4	4,347.80	1/4	3,991.15	1/4	3,633.45	1/4	3,275.75	1/4	2,918.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,697.02	1/2	4,340.37	1/2	3,983.70	1/2	3,626.00	1/2	3,268.30	1/2	2,910.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,689.59	3/4	4,332.94	3/4	3,976.25	3/4	3,618.55	3/4	3,260.84	3/4	2,903.14

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" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "CTC 29138"

1 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 308"

GAUGE HEIGHT 17'-03 1/4

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,537.98	0	2,180.18	0	1,822.38	0	1,464.59	0	1,106.79	0	749.49	0	394.19	0	77.38	0		0	
1/4	2,530.52	1/4	2,172.73	1/4	1,814.93	1/4	1,457.13	1/4	1,099.34	1/4	742.03	1/4	387.04	1/4	71.29	1/4		1/4	
1/2	2,523.07	1/2	2,165.27	1/2	1,807.48	1/2	1,449.68	1/2	1,091.89	1/2	734.58	1/2	379.98	1/2	65.32	1/2		1/2	
3/4	2,515.61	3/4	2,157.82	3/4	1,800.02	3/4	1,442.22	3/4	1,084.44	3/4	727.13	3/4	372.92	3/4	59.34	3/4		3/4	
1	2,508.16	1	2,150.36	1	1,792.57	1	1,434.77	1	1,076.99	1	719.67	1	365.86	1	53.37	1		1	
1/4	2,500.71	1/4	2,142.91	1/4	1,785.11	1/4	1,427.32	1/4	1,069.54	1/4	712.22	1/4	358.80	1/4	47.39	1/4		1/4	
1/2	2,493.25	1/2	2,135.46	1/2	1,777.66	1/2	1,419.86	1/2	1,062.09	1/2	704.76	1/2	351.82	1/2	42.40	1/2		1/2	
3/4	2,485.80	3/4	2,128.00	3/4	1,770.20	3/4	1,412.41	3/4	1,054.64	3/4	697.31	3/4	344.85	3/4	37.41	3/4		3/4	
2	2,478.34	2	2,120.55	2	1,762.75	2	1,404.95	2	1,047.20	2	689.86	2	337.88	2	32.42	2		2	
1/4	2,470.89	1/4	2,113.09	1/4	1,755.30	1/4	1,397.50	1/4	1,039.75	1/4	682.40	1/4	330.91	1/4	27.43	1/4		1/4	
1/2	2,463.44	1/2	2,105.64	1/2	1,747.84	1/2	1,390.05	1/2	1,032.31	1/2	674.95	1/2	324.02	1/2	24.39	1/2		1/2	
3/4	2,455.98	3/4	2,098.19	3/4	1,740.39	3/4	1,382.59	3/4	1,024.87	3/4	667.49	3/4	317.13	3/4	21.35	3/4		3/4	
3	2,448.53	3	2,090.73	3	1,732.93	3	1,375.14	3	1,017.43	3	660.04	3	310.25	3	18.31	3		3	
1/4	2,441.07	1/4	2,083.28	1/4	1,725.48	1/4	1,367.68	1/4	1,009.99	1/4	652.59	1/4	303.36	1/4	15.27	1/4		1/4	
1/2	2,433.62	1/2	2,075.82	1/2	1,718.03	1/2	1,360.23	1/2	1,002.55	1/2	645.13	1/2	296.57	1/2		1/2		1/2	
3/4	2,426.17	3/4	2,068.37	3/4	1,710.57	3/4	1,352.78	3/4	995.11	3/4	637.68	3/4	289.77	3/4		3/4		3/4	
4	2,418.71	4	2,060.91	4	1,703.12	4	1,345.32	4	987.67	4	630.22	4	282.97	4		4		4	
1/4	2,411.26	1/4	2,053.46	1/4	1,695.66	1/4	1,337.87	1/4	980.23	1/4	622.77	1/4	276.17	1/4		1/4		1/4	
1/2	2,403.80	1/2	2,046.01	1/2	1,688.21	1/2	1,330.41	1/2	972.79	1/2	615.32	1/2	269.46	1/2		1/2		1/2	
3/4	2,396.35	3/4	2,038.55	3/4	1,680.76	3/4	1,322.96	3/4	965.35	3/4	607.86	3/4	262.75	3/4		3/4		3/4	
5	2,388.89	5	2,031.10	5	1,673.30	5	1,315.50	5	957.91	5	600.41	5	256.04	5		5		5	
1/4	2,381.44	1/4	2,023.64	1/4	1,665.85	1/4	1,308.05	1/4	950.47	1/4	592.95	1/4	249.33	1/4		1/4		1/4	
1/2	2,373.99	1/2	2,016.19	1/2	1,658.39	1/2	1,300.60	1/2	943.03	1/2	585.50	1/2	242.71	1/2		1/2		1/2	
3/4	2,366.53	3/4	2,008.74	3/4	1,650.94	3/4	1,293.14	3/4	935.59	3/4	578.04	3/4	236.09	3/4		3/4		3/4	
6	2,359.08	6	2,001.28	6	1,643.48	6	1,285.69	6	928.15	6	570.59	6	229.46	6		6		6	
1/4	2,351.62	1/4	1,993.83	1/4	1,636.03	1/4	1,278.23	1/4	920.71	1/4	563.14	1/4	222.84	1/4		1/4		1/4	
1/2	2,344.17	1/2	1,986.37	1/2	1,628.58	1/2	1,270.78	1/2	913.27	1/2	555.68	1/2	216.30	1/2		1/2		1/2	
3/4	2,336.72	3/4	1,978.92	3/4	1,621.12	3/4	1,263.33	3/4	905.83	3/4	548.23	3/4	209.77	3/4		3/4		3/4	
7	2,329.26	7	1,971.47	7	1,613.67	7	1,255.87	7	898.39	7	540.77	7	203.23	7		7		7	
1/4	2,321.81	1/4	1,964.01	1/4	1,606.21	1/4	1,248.42	1/4	890.95	1/4	533.32	1/4	196.70	1/4		1/4		1/4	
1/2	2,314.35	1/2	1,956.56	1/2	1,598.76	1/2	1,240.96	1/2	883.51	1/2	525.87	1/2	190.25	1/2		1/2		1/2	
3/4	2,306.90	3/4	1,949.10	3/4	1,591.31	3/4	1,233.51	3/4	876.07	3/4	518.41	3/4	183.80	3/4		3/4		3/4	
8	2,299.45	8	1,941.65	8	1,583.85	8	1,226.06	8	868.63	8	510.96	8	177.35	8		8		8	
1/4	2,291.99	1/4	1,934.19	1/4	1,576.40	1/4	1,218.60	1/4	861.19	1/4	503.50	1/4	170.91	1/4		1/4		1/4	
1/2	2,284.54	1/2	1,926.74	1/2	1,568.94	1/2	1,211.15	1/2	853.75	1/2	496.09	1/2	164.55	1/2		1/2		1/2	
3/4	2,277.08	3/4	1,919.29	3/4	1,561.49	3/4	1,203.69	3/4	846.31	3/4	488.68	3/4	158.19	3/4		3/4		3/4	
9	2,269.63	9	1,911.83	9	1,554.04	9	1,196.24	9	838.87	9	481.27	9	151.83	9		9		9	
1/4	2,262.18	1/4	1,904.38	1/4	1,546.58	1/4	1,188.78	1/4	831.43	1/4	473.86	1/4	145.47	1/4		1/4		1/4	
1/2	2,254.72	1/2	1,896.92	1/2	1,539.13	1/2	1,181.33	1/2	823.99	1/2	466.54	1/2	139.19	1/2		1/2		1/2	
3/4	2,247.27	3/4	1,889.47	3/4	1,531.67	3/4	1,173.88	3/4	816.55	3/4	459.22	3/4	132.92	3/4		3/4		3/4	
10	2,239.81	10	1,882.02	10	1,524.22	10	1,166.42	10	809.11	10	451.89	10	126.65	10		10		10	
1/4	2,232.36	1/4	1,874.56	1/4	1,516.77	1/4	1,158.97	1/4	801.67	1/4	444.57	1/4	120.37	1/4		1/4		1/4	
1/2	2,224.90	1/2	1,867.11	1/2	1,509.31	1/2	1,151.51	1/2	794.21	1/2	437.34	1/2	114.19	1/2		1/2		1/2	
3/4	2,217.45	3/4	1,859.65	3/4	1,501.86	3/4	1,144.06	3/4	786.76	3/4	430.10	3/4	108.01	3/4		3/4		3/4	
11	2,210.00	11	1,852.20	11	1,494.40	11	1,136.61	11	779.31	11	422.86	11	101.82	11		11		11	
1/4	2,202.54	1/4	1,844.75	1/4	1,486.95	1/4	1,129.15	1/4	771.85	1/4	415.63	1/4	95.64	1/4		1/4		1/4	
1/2	2,195.09	1/2	1,837.29	1/2	1,479.49	1/2	1,121.70	1/2	764.40	1/2	408.48	1/2	89.55	1/2		1/2		1/2	
3/4	2,187.63	3/4	1,829.84	3/4	1,472.04	3/4	1,114.24	3/4	756.94	3/4	401.33	3/4	83.46	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/04/2017 CL
CALCULATED : 10/05/2017 CL
NAME CHANGE: 10/17/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CTC 29138"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 308"

GAUGE HEIGHT 17'-03 3/4

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		IN	
0		0		0		0		0	4,762.63	0	4,404.69	0	4,046.73	0	3,687.75	0	3,328.76	0	2,969.77		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,755.17	1/4	4,397.24	1/4	4,039.26	1/4	3,680.27	1/4	3,321.28	1/4	2,962.29		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,747.71	1/2	4,389.78	1/2	4,031.78	1/2	3,672.79	1/2	3,313.80	1/2	2,954.81		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,083.00	3/4	4,740.26	3/4	4,382.32	3/4	4,024.30	3/4	3,665.31	3/4	3,306.32	3/4	2,947.34
1		1		1		1		1	5,077.79	1	4,732.80	1	4,374.86	1	4,016.82	1	3,657.83	1	3,298.84	1	2,939.86
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,072.58	1/4	4,725.34	1/4	4,367.41	1/4	4,009.34	1/4	3,650.35	1/4	3,291.37	1/4	2,932.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,067.37	1/2	4,717.89	1/2	4,359.95	1/2	4,001.86	1/2	3,642.87	1/2	3,283.89	1/2	2,924.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,062.16	3/4	4,710.43	3/4	4,352.49	3/4	3,994.38	3/4	3,635.39	3/4	3,276.41	3/4	2,917.42
2		2		2		2		2	5,055.71	2	4,702.97	2	4,345.04	2	3,986.90	2	3,627.92	2	3,268.93	2	2,909.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,049.25	1/4	4,695.52	1/4	4,337.58	1/4	3,979.42	1/4	3,620.44	1/4	3,261.45	1/4	2,902.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,042.79	1/2	4,688.06	1/2	4,330.12	1/2	3,971.95	1/2	3,612.96	1/2	3,253.97	1/2	2,894.98
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,036.34	3/4	4,680.60	3/4	4,322.67	3/4	3,964.47	3/4	3,605.48	3/4	3,246.49	3/4	2,887.50
3		3		3		3		3	5,029.02	3	4,673.14	3	4,315.21	3	3,956.99	3	3,598.00	3	3,239.01	3	2,880.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,021.70	1/4	4,665.69	1/4	4,307.75	1/4	3,949.51	1/4	3,590.52	1/4	3,231.53	1/4	2,872.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,014.38	1/2	4,658.23	1/2	4,300.29	1/2	3,942.03	1/2	3,583.04	1/2	3,224.06	1/2	2,865.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,007.06	3/4	4,650.77	3/4	4,292.84	3/4	3,934.55	3/4	3,575.56	3/4	3,216.58	3/4	2,857.59
4		4		4		4		4	4,999.68	4	4,643.32	4	4,285.38	4	3,927.07	4	3,568.08	4	3,209.10	4	2,850.11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,992.30	1/4	4,635.86	1/4	4,277.92	1/4	3,919.59	1/4	3,560.61	1/4	3,201.62	1/4	2,842.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,984.93	1/2	4,628.40	1/2	4,270.47	1/2	3,912.11	1/2	3,553.13	1/2	3,194.14	1/2	2,835.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,977.55	3/4	4,620.95	3/4	4,263.01	3/4	3,904.64	3/4	3,545.65	3/4	3,186.66	3/4	2,827.67
5		5		5		5		5	4,970.16	5	4,613.49	5	4,255.55	5	3,897.16	5	3,538.17	5	3,179.18	5	2,820.19
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,962.78	1/4	4,606.03	1/4	4,248.10	1/4	3,889.68	1/4	3,530.69	1/4	3,171.70	1/4	2,812.72
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,955.39	1/2	4,598.57	1/2	4,240.64	1/2	3,882.20	1/2	3,523.21	1/2	3,164.22	1/2	2,805.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,948.00	3/4	4,591.12	3/4	4,233.18	3/4	3,874.72	3/4	3,515.73	3/4	3,156.75	3/4	2,797.76
6		6		6		6		6	4,940.61	6	4,583.66	6	4,225.72	6	3,867.24	6	3,508.25	6	3,149.27	6	2,790.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,933.22	1/4	4,576.20	1/4	4,218.27	1/4	3,859.76	1/4	3,500.77	1/4	3,141.79	1/4	2,782.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,925.83	1/2	4,568.75	1/2	4,210.81	1/2	3,852.28	1/2	3,493.30	1/2	3,134.31	1/2	2,775.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,918.44	3/4	4,561.29	3/4	4,203.35	3/4	3,844.80	3/4	3,485.82	3/4	3,126.83	3/4	2,767.84
7		7		7		7		7	4,911.05	7	4,553.83	7	4,195.90	7	3,837.33	7	3,478.34	7	3,119.35	7	2,760.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,903.66	1/4	4,546.38	1/4	4,188.44	1/4	3,829.85	1/4	3,470.86	1/4	3,111.87	1/4	2,752.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,896.26	1/2	4,538.92	1/2	4,180.98	1/2	3,822.37	1/2	3,463.38	1/2	3,104.39	1/2	2,745.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,888.87	3/4	4,531.46	3/4	4,173.53	3/4	3,814.89	3/4	3,455.90	3/4	3,096.91	3/4	2,737.93
8		8		8		8		8	4,881.48	8	4,524.00	8	4,166.07	8	3,807.41	8	3,448.42	8	3,089.44	8	2,730.45
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,874.09	1/4	4,516.55	1/4	4,158.61	1/4	3,799.93	1/4	3,440.94	1/4	3,081.96	1/4	2,722.97
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,866.70	1/2	4,509.09	1/2	4,151.15	1/2	3,792.45	1/2	3,433.46	1/2	3,074.48	1/2	2,715.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,859.31	3/4	4,501.63	3/4	4,143.70	3/4	3,784.97	3/4	3,425.99	3/4	3,067.00	3/4	2,708.01
9		9		9		9		9	4,851.92	9	4,494.18	9	4,136.24	9	3,777.49	9	3,418.51	9	3,059.52	9	2,700.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,844.52	1/4	4,486.72	1/4	4,128.78	1/4	3,770.01	1/4	3,411.03	1/4	3,052.04	1/4	2,693.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,837.13	1/2	4,479.26	1/2	4,121.33	1/2	3,762.54	1/2	3,403.55	1/2	3,044.56	1/2	2,685.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,829.74	3/4	4,471.81	3/4	4,113.87	3/4	3,755.06	3/4	3,396.07	3/4	3,037.08	3/4	2,678.10
10		10		10		10		10	4,822.28	10	4,464.35	10	4,106.41	10	3,747.58	10	3,388.59	10	3,029.60	10	2,670.62
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,814.83	1/4	4,456.89	1/4	4,098.96	1/4	3,740.10	1/4	3,381.11	1/4	3,022.12	1/4	2,663.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,807.37	1/2	4,449.43	1/2	4,091.50	1/2	3,732.62	1/2	3,373.63	1/2	3,014.65	1/2	2,655.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,799.91	3/4	4,441.98	3/4	4,084.04	3/4	3,725.14	3/4	3,366.15	3/4	3,007.17	3/4	2,648.18
11		11		11		11		11	4,792.46	11	4,434.52	11	4,076.58	11	3,717.66	11	3,358.68	11	2,999.69	11	2,640.70
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,785.00	1/4	4,427.06	1/4	4,069.13	1/4	3,710.18	1/4	3,351.20	1/4	2,992.21	1/4	2,633.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,777.54	1/2	4,419.61	1/2	4,061.67	1/2	3,702.70	1/2	3,343.72	1/2	2,984.73	1/2	2,625.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,770.09	3/4	4,412.15	3/4	4,054.21	3/4	3,695.23	3/4	3,336.24	3/4	2,977.25	3/4	2,618.26

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" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29138"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 308"

GAUGE HEIGHT 17'-03 3/4

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,610.79	0	2,251.80	0	1,892.81	0	1,533.82	0	1,175.12	0	830.32	0	471.33	0	112.36	0		0	
1/4	2,603.31	1/4	2,244.32	1/4	1,885.33	1/4	1,526.34	1/4	1,167.92	1/4	822.84	1/4	463.85	1/4	104.89	1/4		1/4	
1/2	2,595.83	1/2	2,236.84	1/2	1,877.85	1/2	1,518.87	1/2	1,160.73	1/2	815.36	1/2	456.38	1/2	97.43	1/2		1/2	
3/4	2,588.35	3/4	2,229.36	3/4	1,870.37	3/4	1,511.39	3/4	1,153.53	3/4	807.88	3/4	448.90	3/4	89.96	3/4		3/4	
1	2,580.87	1	2,221.88	1	1,862.90	1	1,503.91	1	1,146.35	1	800.41	1	441.42	1	82.52	1		1	
1/4	2,573.39	1/4	2,214.40	1/4	1,855.42	1/4	1,496.43	1/4	1,139.17	1/4	792.93	1/4	433.94	1/4	75.07	1/4		1/4	
1/2	2,565.91	1/2	2,206.92	1/2	1,847.94	1/2	1,488.95	1/2	1,131.99	1/2	785.45	1/2	426.46	1/2	67.63	1/2		1/2	
3/4	2,558.43	3/4	2,199.45	3/4	1,840.46	3/4	1,481.47	3/4	1,124.81	3/4	777.97	3/4	418.98	3/4	60.19	3/4		3/4	
2	2,550.95	2	2,191.97	2	1,832.98	2	1,473.99	2	1,117.63	2	770.49	2	411.50	2	53.65	2		2	
1/4	2,543.48	1/4	2,184.49	1/4	1,825.50	1/4	1,466.51	1/4	1,110.45	1/4	763.01	1/4	404.02	1/4	47.10	1/4		1/4	
1/2	2,536.00	1/2	2,177.01	1/2	1,818.02	1/2	1,459.03	1/2	1,103.27	1/2	755.53	1/2	396.54	1/2	40.56	1/2		1/2	
3/4	2,528.52	3/4	2,169.53	3/4	1,810.54	3/4	1,451.56	3/4	1,096.09	3/4	748.05	3/4	389.07	3/4	34.02	3/4		3/4	
3	2,521.04	3	2,162.05	3	1,803.06	3	1,444.08	3	1,088.92	3	740.57	3	381.59	3	29.34	3		3	
1/4	2,513.56	1/4	2,154.57	1/4	1,795.59	1/4	1,436.60	1/4	1,081.74	1/4	733.09	1/4	374.11	1/4	24.67	1/4		1/4	
1/2	2,506.08	1/2	2,147.09	1/2	1,788.11	1/2	1,429.12	1/2	1,074.57	1/2	725.62	1/2	366.63	1/2	19.99	1/2		1/2	
3/4	2,498.60	3/4	2,139.61	3/4	1,780.63	3/4	1,421.64	3/4	1,067.40	3/4	718.14	3/4	359.15	3/4	15.32	3/4		3/4	
4	2,491.12	4	2,132.14	4	1,773.15	4	1,414.16	4	1,060.23	4	710.66	4	351.67	4		4		4	
1/4	2,483.64	1/4	2,124.66	1/4	1,765.67	1/4	1,406.68	1/4	1,053.06	1/4	703.18	1/4	344.19	1/4		1/4		1/4	
1/2	2,476.17	1/2	2,117.18	1/2	1,758.19	1/2	1,399.20	1/2	1,045.88	1/2	695.70	1/2	336.71	1/2		1/2		1/2	
3/4	2,468.69	3/4	2,109.70	3/4	1,750.71	3/4	1,391.72	3/4	1,038.71	3/4	688.22	3/4	329.23	3/4		3/4		3/4	
5	2,461.21	5	2,102.22	5	1,743.23	5	1,384.25	5	1,031.54	5	680.74	5	321.76	5		5		5	
1/4	2,453.73	1/4	2,094.74	1/4	1,735.75	1/4	1,376.77	1/4	1,024.37	1/4	673.26	1/4	314.28	1/4		1/4		1/4	
1/2	2,446.25	1/2	2,087.26	1/2	1,728.28	1/2	1,369.29	1/2	1,017.20	1/2	665.78	1/2	306.80	1/2		1/2		1/2	
3/4	2,438.77	3/4	2,079.78	3/4	1,720.80	3/4	1,361.81	3/4	1,010.02	3/4	658.31	3/4	299.32	3/4		3/4		3/4	
6	2,431.29	6	2,072.30	6	1,713.32	6	1,354.33	6	1,002.85	6	650.83	6	291.84	6		6		6	
1/4	2,423.81	1/4	2,064.83	1/4	1,705.84	1/4	1,346.85	1/4	995.68	1/4	643.35	1/4	284.36	1/4		1/4		1/4	
1/2	2,416.33	1/2	2,057.35	1/2	1,698.36	1/2	1,339.37	1/2	988.51	1/2	635.87	1/2	276.88	1/2		1/2		1/2	
3/4	2,408.86	3/4	2,049.87	3/4	1,690.88	3/4	1,331.89	3/4	981.34	3/4	628.39	3/4	269.40	3/4		3/4		3/4	
7	2,401.38	7	2,042.39	7	1,683.40	7	1,324.41	7	974.16	7	620.91	7	261.92	7		7		7	
1/4	2,393.90	1/4	2,034.91	1/4	1,675.92	1/4	1,316.94	1/4	966.99	1/4	613.43	1/4	254.45	1/4		1/4		1/4	
1/2	2,386.42	1/2	2,027.43	1/2	1,668.44	1/2	1,309.46	1/2	959.82	1/2	605.95	1/2	246.97	1/2		1/2		1/2	
3/4	2,378.94	3/4	2,019.95	3/4	1,660.97	3/4	1,301.98	3/4	952.65	3/4	598.47	3/4	239.49	3/4		3/4		3/4	
8	2,371.46	8	2,012.47	8	1,653.49	8	1,294.50	8	945.48	8	591.00	8	232.01	8		8		8	
1/4	2,363.98	1/4	2,004.99	1/4	1,646.01	1/4	1,287.02	1/4	938.30	1/4	583.52	1/4	224.53	1/4		1/4		1/4	
1/2	2,356.50	1/2	1,997.52	1/2	1,638.53	1/2	1,279.54	1/2	931.13	1/2	576.04	1/2	217.05	1/2		1/2		1/2	
3/4	2,349.02	3/4	1,990.04	3/4	1,631.05	3/4	1,272.06	3/4	923.96	3/4	568.56	3/4	209.57	3/4		3/4		3/4	
9	2,341.55	9	1,982.56	9	1,623.57	9	1,264.58	9	916.79	9	561.08	9	202.09	9		9		9	
1/4	2,334.07	1/4	1,975.08	1/4	1,616.09	1/4	1,257.10	1/4	909.62	1/4	553.60	1/4	194.61	1/4		1/4		1/4	
1/2	2,326.59	1/2	1,967.60	1/2	1,608.61	1/2	1,249.63	1/2	902.44	1/2	546.12	1/2	187.14	1/2		1/2		1/2	
3/4	2,319.11	3/4	1,960.12	3/4	1,601.13	3/4	1,242.15	3/4	895.27	3/4	538.64	3/4	179.66	3/4		3/4		3/4	
10	2,311.63	10	1,952.64	10	1,593.66	10	1,234.67	10	888.10	10	531.16	10	172.18	10		10		10	
1/4	2,304.15	1/4	1,945.16	1/4	1,586.18	1/4	1,227.19	1/4	880.93	1/4	523.69	1/4	164.70	1/4		1/4		1/4	
1/2	2,296.67	1/2	1,937.68	1/2	1,578.70	1/2	1,219.71	1/2	873.76	1/2	516.21	1/2	157.22	1/2		1/2		1/2	
3/4	2,289.19	3/4	1,930.21	3/4	1,571.22	3/4	1,212.23	3/4	866.58	3/4	508.73	3/4	149.74	3/4		3/4		3/4	
11	2,281.71	11	1,922.73	11	1,563.74	11	1,204.75	11	859.39	11	501.25	11	142.26	11		11		11	
1/4	2,274.23	1/4	1,915.25	1/4	1,556.26	1/4	1,197.27	1/4	852.19	1/4	493.77	1/4	134.79	1/4		1/4		1/4	
1/2	2,266.76	1/2	1,907.77	1/2	1,548.78	1/2	1,189.79	1/2	845.00	1/2	486.29	1/2	127.31	1/2		1/2		1/2	
3/4	2,259.28	3/4	1,900.29	3/4	1,541.30	3/4	1,182.32	3/4	837.80	3/4	478.81	3/4	119.83	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/04/2017 CL
CALCULATED : 10/05/2017 CL
NAME CHANGE: 10/17/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CTC 29138"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 308"

GAUGE HEIGHT 17'-03 3/4

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		IN	
0		0		0		0		0	4,776.02	0	4,418.17	0	4,060.30	0	3,701.42	0	3,342.54	0	2,983.65		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,768.56	1/4	4,410.72	1/4	4,052.82	1/4	3,693.94	1/4	3,335.06	1/4	2,976.18		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,761.11	1/2	4,403.26	1/2	4,045.35	1/2	3,686.46	1/2	3,327.58	1/2	2,968.70		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,096.08	3/4	4,753.65	3/4	4,395.80	3/4	4,037.87	3/4	3,678.99	3/4	3,320.11	3/4	2,961.22
1		1		1		1		1	5,090.88	1	4,746.20	1	4,388.35	1	4,030.39	1	3,671.51	1	3,312.63	1	2,953.75
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,085.68	1/4	4,738.74	1/4	4,380.89	1/4	4,022.92	1/4	3,664.03	1/4	3,305.15	1/4	2,946.27
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,080.47	1/2	4,731.29	1/2	4,373.44	1/2	4,015.44	1/2	3,656.56	1/2	3,297.68	1/2	2,938.79
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,075.27	3/4	4,723.83	3/4	4,365.98	3/4	4,007.96	3/4	3,649.08	3/4	3,290.20	3/4	2,931.32
2		2		2		2		2	5,068.82	2	4,716.38	2	4,358.53	2	4,000.49	2	3,641.60	2	3,282.72	2	2,923.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,062.37	1/4	4,708.92	1/4	4,351.07	1/4	3,993.01	1/4	3,634.13	1/4	3,275.25	1/4	2,916.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,055.93	1/2	4,701.47	1/2	4,343.62	1/2	3,985.53	1/2	3,626.65	1/2	3,267.77	1/2	2,908.89
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,049.48	3/4	4,694.01	3/4	4,336.16	3/4	3,978.06	3/4	3,619.17	3/4	3,260.29	3/4	2,901.41
3		3		3		3		3	5,042.16	3	4,686.56	3	4,328.71	3	3,970.58	3	3,611.70	3	3,252.82	3	2,893.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,034.85	1/4	4,679.10	1/4	4,321.25	1/4	3,963.10	1/4	3,604.22	1/4	3,245.34	1/4	2,886.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,027.54	1/2	4,671.65	1/2	4,313.80	1/2	3,955.63	1/2	3,596.74	1/2	3,237.86	1/2	2,878.98
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,020.23	3/4	4,664.19	3/4	4,306.34	3/4	3,948.15	3/4	3,589.27	3/4	3,230.39	3/4	2,871.50
4		4		4		4		4	5,012.86	4	4,656.74	4	4,298.89	4	3,940.67	4	3,581.79	4	3,222.91	4	2,864.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,005.49	1/4	4,649.28	1/4	4,291.43	1/4	3,933.20	1/4	3,574.31	1/4	3,215.43	1/4	2,856.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,998.12	1/2	4,641.83	1/2	4,283.98	1/2	3,925.72	1/2	3,566.84	1/2	3,207.96	1/2	2,849.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,990.75	3/4	4,634.37	3/4	4,276.52	3/4	3,918.24	3/4	3,559.36	3/4	3,200.48	3/4	2,841.60
5		5		5		5		5	4,983.37	5	4,626.92	5	4,269.07	5	3,910.77	5	3,551.88	5	3,193.00	5	2,834.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,975.99	1/4	4,619.46	1/4	4,261.61	1/4	3,903.29	1/4	3,544.41	1/4	3,185.53	1/4	2,826.64
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,968.61	1/2	4,612.01	1/2	4,254.16	1/2	3,895.81	1/2	3,536.93	1/2	3,178.05	1/2	2,819.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,961.22	3/4	4,604.55	3/4	4,246.70	3/4	3,888.34	3/4	3,529.45	3/4	3,170.57	3/4	2,811.69
6		6		6		6		6	4,953.84	6	4,597.10	6	4,239.25	6	3,880.86	6	3,521.98	6	3,163.10	6	2,804.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,946.46	1/4	4,589.64	1/4	4,231.79	1/4	3,873.38	1/4	3,514.50	1/4	3,155.62	1/4	2,796.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,939.07	1/2	4,582.18	1/2	4,224.34	1/2	3,865.91	1/2	3,507.02	1/2	3,148.14	1/2	2,789.26
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,931.69	3/4	4,574.73	3/4	4,216.88	3/4	3,858.43	3/4	3,499.55	3/4	3,140.67	3/4	2,781.78
7		7		7		7		7	4,924.31	7	4,567.27	7	4,209.42	7	3,850.95	7	3,492.07	7	3,133.19	7	2,774.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,916.93	1/4	4,559.82	1/4	4,201.97	1/4	3,843.47	1/4	3,484.59	1/4	3,125.71	1/4	2,766.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,909.55	1/2	4,552.36	1/2	4,194.51	1/2	3,836.00	1/2	3,477.12	1/2	3,118.24	1/2	2,759.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,902.17	3/4	4,544.91	3/4	4,187.06	3/4	3,828.52	3/4	3,469.64	3/4	3,110.76	3/4	2,751.88
8		8		8		8		8	4,894.78	8	4,537.45	8	4,179.60	8	3,821.04	8	3,462.16	8	3,103.28	8	2,744.40
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,887.40	1/4	4,530.00	1/4	4,172.15	1/4	3,813.57	1/4	3,454.69	1/4	3,095.80	1/4	2,736.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,880.02	1/2	4,522.54	1/2	4,164.69	1/2	3,806.09	1/2	3,447.21	1/2	3,088.33	1/2	2,729.45
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,872.64	3/4	4,515.09	3/4	4,157.24	3/4	3,798.61	3/4	3,439.73	3/4	3,080.85	3/4	2,721.97
9		9		9		9		9	4,865.26	9	4,507.63	9	4,149.78	9	3,791.14	9	3,432.26	9	3,073.37	9	2,714.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,857.88	1/4	4,500.18	1/4	4,142.33	1/4	3,783.66	1/4	3,424.78	1/4	3,065.90	1/4	2,707.02
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,850.50	1/2	4,492.72	1/2	4,134.87	1/2	3,776.18	1/2	3,417.30	1/2	3,058.42	1/2	2,699.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,843.12	3/4	4,485.27	3/4	4,127.42	3/4	3,768.71	3/4	3,409.83	3/4	3,050.94	3/4	2,692.06
10		10		10		10		10	4,835.66	10	4,477.81	10	4,119.96	10	3,761.23	10	3,402.35	10	3,043.47	10	2,684.59
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,828.21	1/4	4,470.36	1/4	4,112.51	1/4	3,753.75	1/4	3,394.87	1/4	3,035.99	1/4	2,677.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,820.75	1/2	4,462.90	1/2	4,105.05	1/2	3,746.28	1/2	3,387.40	1/2	3,028.51	1/2	2,669.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,813.30	3/4	4,455.45	3/4	4,097.60	3/4	3,738.80	3/4	3,379.92	3/4	3,021.04	3/4	2,662.16
11		11		11		11		11	4,805.84	11	4,447.99	11	4,090.14	11	3,731.32	11	3,372.44	11	3,013.56	11	2,654.68
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,798.39	1/4	4,440.54	1/4	4,082.69	1/4	3,723.85	1/4	3,364.97	1/4	3,006.08	1/4	2,647.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,790.93	1/2	4,433.08	1/2	4,075.23	1/2	3,716.37	1/2	3,357.49	1/2	2,998.61	1/2	2,639.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,783.48	3/4	4,425.63	3/4	4,067.78	3/4	3,708.89	3/4	3,350.01	3/4	2,991.13	3/4	2,632.24

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" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29138"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 308"

GAUGE HEIGHT 17'-03 3/4

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,624.76	0	2,265.77	0	1,906.79	0	1,547.80	0	1,188.81	0	830.33	0	471.34	0	112.37	0		0	
1/4	2,617.28	1/4	2,258.30	1/4	1,899.31	1/4	1,540.32	1/4	1,181.33	1/4	822.85	1/4	463.86	1/4	104.90	1/4		1/4	
1/2	2,609.80	1/2	2,250.82	1/2	1,891.83	1/2	1,532.84	1/2	1,173.86	1/2	815.37	1/2	456.38	1/2	97.43	1/2		1/2	
3/4	2,602.33	3/4	2,243.34	3/4	1,884.35	3/4	1,525.36	3/4	1,166.38	3/4	807.89	3/4	448.90	3/4	89.96	3/4		3/4	
1	2,594.85	1	2,235.86	1	1,876.87	1	1,517.88	1	1,158.90	1	800.41	1	441.42	1	82.52	1		1	
1/4	2,587.37	1/4	2,228.38	1/4	1,869.39	1/4	1,510.41	1/4	1,151.43	1/4	792.93	1/4	433.95	1/4	75.08	1/4		1/4	
1/2	2,579.89	1/2	2,220.90	1/2	1,861.91	1/2	1,502.93	1/2	1,143.96	1/2	785.45	1/2	426.47	1/2	67.64	1/2		1/2	
3/4	2,572.41	3/4	2,213.42	3/4	1,854.44	3/4	1,495.45	3/4	1,136.48	3/4	777.98	3/4	418.99	3/4	60.19	3/4		3/4	
2	2,564.93	2	2,205.94	2	1,846.96	2	1,487.97	2	1,129.01	2	770.50	2	411.51	2	53.65	2		2	
1/4	2,557.45	1/4	2,198.46	1/4	1,839.48	1/4	1,480.49	1/4	1,121.54	1/4	763.02	1/4	404.03	1/4	47.11	1/4		1/4	
1/2	2,549.97	1/2	2,190.99	1/2	1,832.00	1/2	1,473.01	1/2	1,114.06	1/2	755.54	1/2	396.55	1/2	40.57	1/2		1/2	
3/4	2,542.49	3/4	2,183.51	3/4	1,824.52	3/4	1,465.53	3/4	1,106.59	3/4	748.06	3/4	389.07	3/4	34.02	3/4		3/4	
3	2,535.02	3	2,176.03	3	1,817.04	3	1,458.05	3	1,099.12	3	740.58	3	381.59	3	29.35	3		3	
1/4	2,527.54	1/4	2,168.55	1/4	1,809.56	1/4	1,450.57	1/4	1,091.66	1/4	733.10	1/4	374.11	1/4	24.68	1/4		1/4	
1/2	2,520.06	1/2	2,161.07	1/2	1,802.08	1/2	1,443.10	1/2	1,084.20	1/2	725.62	1/2	366.64	1/2	20.00	1/2		1/2	
3/4	2,512.58	3/4	2,153.59	3/4	1,794.60	3/4	1,435.62	3/4	1,076.73	3/4	718.14	3/4	359.16	3/4	15.32	3/4		3/4	
4	2,505.10	4	2,146.11	4	1,787.13	4	1,428.14	4	1,069.27	4	710.67	4	351.68	4		4		4	
1/4	2,497.62	1/4	2,138.63	1/4	1,779.65	1/4	1,420.66	1/4	1,061.80	1/4	703.19	1/4	344.20	1/4		1/4		1/4	
1/2	2,490.14	1/2	2,131.15	1/2	1,772.17	1/2	1,413.18	1/2	1,054.34	1/2	695.71	1/2	336.72	1/2		1/2		1/2	
3/4	2,482.66	3/4	2,123.68	3/4	1,764.69	3/4	1,405.70	3/4	1,046.87	3/4	688.23	3/4	329.24	3/4		3/4		3/4	
5	2,475.18	5	2,116.20	5	1,757.21	5	1,398.22	5	1,039.41	5	680.75	5	321.76	5		5		5	
1/4	2,467.70	1/4	2,108.72	1/4	1,749.73	1/4	1,390.74	1/4	1,031.94	1/4	673.27	1/4	314.28	1/4		1/4		1/4	
1/2	2,460.23	1/2	2,101.24	1/2	1,742.25	1/2	1,383.26	1/2	1,024.48	1/2	665.79	1/2	306.80	1/2		1/2		1/2	
3/4	2,452.75	3/4	2,093.76	3/4	1,734.77	3/4	1,375.79	3/4	1,017.01	3/4	658.31	3/4	299.33	3/4		3/4		3/4	
6	2,445.27	6	2,086.28	6	1,727.29	6	1,368.31	6	1,009.55	6	650.83	6	291.85	6		6		6	
1/4	2,437.79	1/4	2,078.80	1/4	1,719.81	1/4	1,360.83	1/4	1,002.08	1/4	643.35	1/4	284.37	1/4		1/4		1/4	
1/2	2,430.31	1/2	2,071.32	1/2	1,712.34	1/2	1,353.35	1/2	994.62	1/2	635.88	1/2	276.89	1/2		1/2		1/2	
3/4	2,422.83	3/4	2,063.84	3/4	1,704.86	3/4	1,345.87	3/4	987.16	3/4	628.40	3/4	269.41	3/4		3/4		3/4	
7	2,415.35	7	2,056.37	7	1,697.38	7	1,338.39	7	979.69	7	620.92	7	261.93	7		7		7	
1/4	2,407.87	1/4	2,048.89	1/4	1,689.90	1/4	1,330.91	1/4	972.23	1/4	613.44	1/4	254.45	1/4		1/4		1/4	
1/2	2,400.39	1/2	2,041.41	1/2	1,682.42	1/2	1,323.43	1/2	964.76	1/2	605.96	1/2	246.97	1/2		1/2		1/2	
3/4	2,392.92	3/4	2,033.93	3/4	1,674.94	3/4	1,315.95	3/4	957.30	3/4	598.48	3/4	239.49	3/4		3/4		3/4	
8	2,385.44	8	2,026.45	8	1,667.46	8	1,308.48	8	949.83	8	591.00	8	232.02	8		8		8	
1/4	2,377.96	1/4	2,018.97	1/4	1,659.98	1/4	1,301.00	1/4	942.37	1/4	583.52	1/4	224.54	1/4		1/4		1/4	
1/2	2,370.48	1/2	2,011.49	1/2	1,652.50	1/2	1,293.52	1/2	934.90	1/2	576.04	1/2	217.06	1/2		1/2		1/2	
3/4	2,363.00	3/4	2,004.01	3/4	1,645.03	3/4	1,286.04	3/4	927.44	3/4	568.57	3/4	209.58	3/4		3/4		3/4	
9	2,355.52	9	1,996.53	9	1,637.55	9	1,278.56	9	919.97	9	561.09	9	202.10	9		9		9	
1/4	2,348.04	1/4	1,989.06	1/4	1,630.07	1/4	1,271.08	1/4	912.51	1/4	553.61	1/4	194.62	1/4		1/4		1/4	
1/2	2,340.56	1/2	1,981.58	1/2	1,622.59	1/2	1,263.60	1/2	905.04	1/2	546.13	1/2	187.14	1/2		1/2		1/2	
3/4	2,333.08	3/4	1,974.10	3/4	1,615.11	3/4	1,256.12	3/4	897.58	3/4	538.65	3/4	179.66	3/4		3/4		3/4	
10	2,325.61	10	1,966.62	10	1,607.63	10	1,248.64	10	890.12	10	531.17	10	172.18	10		10		10	
1/4	2,318.13	1/4	1,959.14	1/4	1,600.15	1/4	1,241.17	1/4	882.65	1/4	523.69	1/4	164.71	1/4		1/4		1/4	
1/2	2,310.65	1/2	1,951.66	1/2	1,592.67	1/2	1,233.69	1/2	875.19	1/2	516.21	1/2	157.23	1/2		1/2		1/2	
3/4	2,303.17	3/4	1,944.18	3/4	1,585.19	3/4	1,226.21	3/4	867.72	3/4	508.73	3/4	149.75	3/4		3/4		3/4	
11	2,295.69	11	1,936.70	11	1,577.72	11	1,218.73	11	860.24	11	501.26	11	142.27	11		11		11	
1/4	2,288.21	1/4	1,929.22	1/4	1,570.24	1/4	1,211.25	1/4	852.76	1/4	493.78	1/4	134.79	1/4		1/4		1/4	
1/2	2,280.73	1/2	1,921.75	1/2	1,562.76	1/2	1,203.77	1/2	845.29	1/2	486.30	1/2	127.31	1/2		1/2		1/2	
3/4	2,273.25	3/4	1,914.27	3/4	1,555.28	3/4	1,196.29	3/4	837.81	3/4	478.82	3/4	119.84	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/04/2017 CL
CALCULATED : 10/05/2017 CL
NAME CHANGE: 10/17/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CTC 29138"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 308"

GAUGE HEIGHT 17'-03 3/4

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		0	4,255.42	0	4,036.52	0	3,817.61	0	3,598.10	0	3,308.36	0	2,952.38		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,250.86	1/4	4,031.96	1/4	3,813.03	1/4	3,593.52	1/4	3,300.96	1/4	2,944.95		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,246.30	1/2	4,027.40	1/2	3,808.46	1/2	3,588.95	1/2	3,293.57	1/2	2,937.53		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,451.21	3/4	4,241.74	3/4	4,022.84	3/4	3,803.89	3/4	3,584.38	3/4	2,930.10		
1		1		1		1		1	4,448.03	1	4,237.18	1	4,018.28	1	3,799.31	1	3,579.81	1	3,278.77	1	2,922.68
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,444.85	1/4	4,232.62	1/4	4,013.72	1/4	3,794.74	1/4	3,575.23	1/4	3,271.37	1/4	2,915.25
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,441.66	1/2	4,228.06	1/2	4,009.16	1/2	3,790.17	1/2	3,570.66	1/2	3,263.98	1/2	2,907.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,438.48	3/4	4,223.49	3/4	4,004.60	3/4	3,785.59	3/4	3,566.09	3/4	3,256.58	3/4	2,900.40
2		2		2		2		2	4,434.54	2	4,218.93	2	4,000.04	2	3,781.02	2	3,561.51	2	3,249.18	2	2,892.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,430.59	1/4	4,214.37	1/4	3,995.47	1/4	3,776.45	1/4	3,556.94	1/4	3,241.79	1/4	2,885.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,426.65	1/2	4,209.81	1/2	3,990.91	1/2	3,771.88	1/2	3,552.37	1/2	3,234.39	1/2	2,878.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,422.70	3/4	4,205.25	3/4	3,986.35	3/4	3,767.30	3/4	3,547.79	3/4	3,226.99	3/4	2,870.70
3		3		3		3		3	4,418.23	3	4,200.69	3	3,981.79	3	3,762.73	3	3,542.98	3	3,219.60	3	2,863.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,413.76	1/4	4,196.13	1/4	3,977.23	1/4	3,758.16	1/4	3,538.17	1/4	3,212.20	1/4	2,855.85
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,409.28	1/2	4,191.57	1/2	3,972.67	1/2	3,753.58	1/2	3,533.36	1/2	3,204.80	1/2	2,848.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,404.81	3/4	4,187.01	3/4	3,968.11	3/4	3,749.01	3/4	3,528.54	3/4	3,197.41	3/4	2,841.00
4		4		4		4		4	4,400.30	4	4,182.45	4	3,963.55	4	3,744.44	4	3,523.29	4	3,189.98	4	2,833.58
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,395.79	1/4	4,177.89	1/4	3,958.99	1/4	3,739.86	1/4	3,518.03	1/4	3,182.56	1/4	2,826.15
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,391.29	1/2	4,173.33	1/2	3,954.43	1/2	3,735.29	1/2	3,512.78	1/2	3,175.13	1/2	2,818.73
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,386.78	3/4	4,168.77	3/4	3,949.87	3/4	3,730.72	3/4	3,507.52	3/4	3,167.71	3/4	2,811.30
5		5		5		5		5	4,382.26	5	4,164.21	5	3,945.31	5	3,726.14	5	3,501.79	5	3,160.28	5	2,803.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,377.75	1/4	4,159.65	1/4	3,940.75	1/4	3,721.57	1/4	3,496.06	1/4	3,152.86	1/4	2,796.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,373.23	1/2	4,155.09	1/2	3,936.19	1/2	3,717.00	1/2	3,490.32	1/2	3,145.43	1/2	2,789.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,368.71	3/4	4,150.53	3/4	3,931.63	3/4	3,712.43	3/4	3,484.59	3/4	3,138.01	3/4	2,781.60
6		6		6		6		6	4,364.20	6	4,145.97	6	3,927.07	6	3,707.85	6	3,478.39	6	3,130.58	6	2,774.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,359.68	1/4	4,141.41	1/4	3,922.51	1/4	3,703.28	1/4	3,472.19	1/4	3,123.16	1/4	2,766.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,355.16	1/2	4,136.85	1/2	3,917.95	1/2	3,698.71	1/2	3,465.98	1/2	3,115.73	1/2	2,759.33
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,350.65	3/4	4,132.29	3/4	3,913.39	3/4	3,694.13	3/4	3,459.78	3/4	3,108.31	3/4	2,751.90
7		7		7		7		7	4,346.13	7	4,127.73	7	3,908.83	7	3,689.56	7	3,453.10	7	3,100.88	7	2,744.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,341.62	1/4	4,123.17	1/4	3,904.27	1/4	3,684.99	1/4	3,446.43	1/4	3,093.46	1/4	2,737.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,337.10	1/2	4,118.61	1/2	3,899.71	1/2	3,680.41	1/2	3,439.75	1/2	3,086.03	1/2	2,729.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,332.58	3/4	4,114.05	3/4	3,895.15	3/4	3,675.84	3/4	3,433.07	3/4	3,078.61	3/4	2,722.20
8		8		8		8		8	4,328.07	8	4,109.48	8	3,890.59	8	3,671.27	8	3,425.91	8	3,071.18	8	2,714.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,323.55	1/4	4,104.92	1/4	3,886.03	1/4	3,666.69	1/4	3,418.76	1/4	3,063.75	1/4	2,707.35
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,319.04	1/2	4,100.36	1/2	3,881.46	1/2	3,662.12	1/2	3,411.60	1/2	3,056.33	1/2	2,699.93
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,314.52	3/4	4,095.80	3/4	3,876.90	3/4	3,657.55	3/4	3,404.45	3/4	3,048.90	3/4	2,692.50
9		9		9		9		9	4,310.01	9	4,091.24	9	3,872.34	9	3,652.97	9	3,397.06	9	3,041.48	9	2,685.07
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,305.49	1/4	4,086.68	1/4	3,867.78	1/4	3,648.40	1/4	3,389.68	1/4	3,034.05	1/4	2,677.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,300.98	1/2	4,082.12	1/2	3,863.22	1/2	3,643.83	1/2	3,382.30	1/2	3,026.63	1/2	2,670.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,296.46	3/4	4,077.56	3/4	3,858.66	3/4	3,639.26	3/4	3,374.91	3/4	3,019.20	3/4	2,662.80
10		10		10		10		10	4,291.90	10	4,073.00	10	3,854.10	10	3,634.68	10	3,367.52	10	3,011.78	10	2,655.37
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,287.34	1/4	4,068.44	1/4	3,849.54	1/4	3,630.11	1/4	3,360.13	1/4	3,004.35	1/4	2,647.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,282.78	1/2	4,063.88	1/2	3,844.98	1/2	3,625.54	1/2	3,352.73	1/2	2,996.93	1/2	2,640.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,278.22	3/4	4,059.32	3/4	3,840.42	3/4	3,620.96	3/4	3,345.34	3/4	2,989.50	3/4	2,633.10
11		11		11		11		11	4,273.66	11	4,054.76	11	3,835.86	11	3,616.39	11	3,337.95	11	2,982.08	11	2,625.67
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,269.10	1/4	4,050.20	1/4	3,831.30	1/4	3,611.82	1/4	3,330.55	1/4	2,974.65	1/4	2,618.25
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,264.54	1/2	4,045.64	1/2	3,826.74	1/2	3,607.24	1/2	3,323.15	1/2	2,967.23	1/2	2,610.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,259.98	3/4	4,041.08	3/4	3,822.18	3/4	3,602.67	3/4	3,315.76	3/4	2,959.80	3/4	2,603.39

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29138"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 308"

GAUGE HEIGHT 17'-03 3/4

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,595.97	0	2,239.30	0	1,883.10	0	1,526.62	0	1,170.03	0	826.09	0	469.24	0	111.93	0		0	
1/4	2,588.54	1/4	2,231.87	1/4	1,875.69	1/4	1,519.19	1/4	1,162.81	1/4	818.71	1/4	461.80	1/4	104.50	1/4		1/4	
1/2	2,581.11	1/2	2,224.44	1/2	1,868.27	1/2	1,511.75	1/2	1,155.58	1/2	811.34	1/2	454.37	1/2	97.06	1/2		1/2	
3/4	2,573.69	3/4	2,217.01	3/4	1,860.85	3/4	1,504.32	3/4	1,148.35	3/4	803.96	3/4	446.93	3/4	89.62	3/4		3/4	
1	2,566.26	1	2,209.58	1	1,853.44	1	1,496.89	1	1,141.14	1	796.52	1	439.49	1	82.20	1		1	
1/4	2,558.84	1/4	2,202.15	1/4	1,846.02	1/4	1,489.45	1/4	1,133.93	1/4	789.08	1/4	432.05	1/4	74.79	1/4		1/4	
1/2	2,551.41	1/2	2,194.72	1/2	1,838.60	1/2	1,482.02	1/2	1,126.72	1/2	781.65	1/2	424.61	1/2	67.38	1/2		1/2	
3/4	2,543.98	3/4	2,187.29	3/4	1,831.19	3/4	1,474.59	3/4	1,119.51	3/4	774.21	3/4	417.17	3/4	59.96	3/4		3/4	
2	2,536.56	2	2,179.86	2	1,823.77	2	1,467.15	2	1,112.29	2	766.77	2	409.74	2	53.44	2		2	
1/4	2,529.13	1/4	2,172.43	1/4	1,816.35	1/4	1,459.72	1/4	1,105.08	1/4	759.33	1/4	402.30	1/4	46.93	1/4		1/4	
1/2	2,521.70	1/2	2,165.01	1/2	1,808.94	1/2	1,452.29	1/2	1,097.87	1/2	751.89	1/2	394.86	1/2	40.41	1/2		1/2	
3/4	2,514.28	3/4	2,157.58	3/4	1,801.52	3/4	1,444.86	3/4	1,090.66	3/4	744.46	3/4	387.42	3/4	33.89	3/4		3/4	
3	2,506.85	3	2,150.15	3	1,794.10	3	1,437.42	3	1,083.51	3	737.02	3	379.98	3	29.24	3		3	
1/4	2,499.42	1/4	2,142.72	1/4	1,786.68	1/4	1,429.99	1/4	1,076.37	1/4	729.58	1/4	372.55	1/4	24.58	1/4		1/4	
1/2	2,492.00	1/2	2,135.29	1/2	1,779.27	1/2	1,422.56	1/2	1,069.23	1/2	722.14	1/2	365.11	1/2	19.92	1/2		1/2	
3/4	2,484.57	3/4	2,127.86	3/4	1,771.85	3/4	1,415.12	3/4	1,062.09	3/4	714.70	3/4	357.67	3/4	15.27	3/4		3/4	
4	2,477.14	4	2,120.43	4	1,764.43	4	1,407.69	4	1,054.95	4	707.26	4	350.23	4		4		4	
1/4	2,469.72	1/4	2,113.00	1/4	1,757.02	1/4	1,400.26	1/4	1,047.81	1/4	699.83	1/4	342.79	1/4		1/4		1/4	
1/2	2,462.29	1/2	2,105.57	1/2	1,749.60	1/2	1,392.82	1/2	1,040.66	1/2	692.39	1/2	335.35	1/2		1/2		1/2	
3/4	2,454.87	3/4	2,098.14	3/4	1,742.18	3/4	1,385.39	3/4	1,033.52	3/4	684.95	3/4	327.92	3/4		3/4		3/4	
5	2,447.44	5	2,090.73	5	1,734.75	5	1,377.96	5	1,026.38	5	677.51	5	320.48	5		5		5	
1/4	2,440.01	1/4	2,083.32	1/4	1,727.32	1/4	1,370.52	1/4	1,019.24	1/4	670.07	1/4	313.04	1/4		1/4		1/4	
1/2	2,432.59	1/2	2,075.91	1/2	1,719.88	1/2	1,363.09	1/2	1,012.10	1/2	662.64	1/2	305.60	1/2		1/2		1/2	
3/4	2,425.16	3/4	2,068.50	3/4	1,712.45	3/4	1,355.66	3/4	1,004.95	3/4	655.20	3/4	298.16	3/4		3/4		3/4	
6	2,417.72	6	2,061.09	6	1,705.02	6	1,348.22	6	997.81	6	647.76	6	290.71	6		6		6	
1/4	2,410.29	1/4	2,053.68	1/4	1,697.58	1/4	1,340.79	1/4	990.67	1/4	640.32	1/4	283.26	1/4		1/4		1/4	
1/2	2,402.85	1/2	2,046.27	1/2	1,690.15	1/2	1,333.36	1/2	983.53	1/2	632.88	1/2	275.81	1/2		1/2		1/2	
3/4	2,395.42	3/4	2,038.86	3/4	1,682.72	3/4	1,325.92	3/4	976.39	3/4	625.44	3/4	268.36	3/4		3/4		3/4	
7	2,387.98	7	2,031.44	7	1,675.28	7	1,318.49	7	969.25	7	618.01	7	260.91	7		7		7	
1/4	2,380.55	1/4	2,024.03	1/4	1,667.85	1/4	1,311.06	1/4	962.10	1/4	610.57	1/4	253.46	1/4		1/4		1/4	
1/2	2,373.11	1/2	2,016.61	1/2	1,660.42	1/2	1,303.62	1/2	954.96	1/2	603.13	1/2	246.02	1/2		1/2		1/2	
3/4	2,365.68	3/4	2,009.19	3/4	1,652.98	3/4	1,296.19	3/4	947.82	3/4	595.69	3/4	238.57	3/4		3/4		3/4	
8	2,358.24	8	2,001.77	8	1,645.55	8	1,288.76	8	940.68	8	588.25	8	231.12	8		8		8	
1/4	2,350.81	1/4	1,994.36	1/4	1,638.12	1/4	1,281.32	1/4	933.54	1/4	580.82	1/4	223.67	1/4		1/4		1/4	
1/2	2,343.37	1/2	1,986.94	1/2	1,630.69	1/2	1,273.89	1/2	926.39	1/2	573.38	1/2	216.22	1/2		1/2		1/2	
3/4	2,335.94	3/4	1,979.52	3/4	1,623.25	3/4	1,266.46	3/4	919.25	3/4	565.94	3/4	208.77	3/4		3/4		3/4	
9	2,328.50	9	1,972.11	9	1,615.82	9	1,259.03	9	912.11	9	558.50	9	201.32	9		9		9	
1/4	2,321.06	1/4	1,964.69	1/4	1,608.39	1/4	1,251.59	1/4	904.97	1/4	551.06	1/4	193.87	1/4		1/4		1/4	
1/2	2,313.63	1/2	1,957.27	1/2	1,600.95	1/2	1,244.16	1/2	897.83	1/2	543.62	1/2	186.42	1/2		1/2		1/2	
3/4	2,306.19	3/4	1,949.86	3/4	1,593.52	3/4	1,236.73	3/4	890.69	3/4	536.19	3/4	178.97	3/4		3/4		3/4	
10	2,298.76	10	1,942.44	10	1,586.09	10	1,229.29	10	883.54	10	528.75	10	171.52	10		10		10	
1/4	2,291.32	1/4	1,935.02	1/4	1,578.65	1/4	1,221.86	1/4	876.40	1/4	521.31	1/4	164.07	1/4		1/4		1/4	
1/2	2,283.89	1/2	1,927.61	1/2	1,571.22	1/2	1,214.43	1/2	869.26	1/2	513.87	1/2	156.62	1/2		1/2		1/2	
3/4	2,276.45	3/4	1,920.19	3/4	1,563.79	3/4	1,206.99	3/4	862.12	3/4	506.43	3/4	149.17	3/4		3/4		3/4	
11	2,269.02	11	1,912.77	11	1,556.35	11	1,199.56	11	854.95	11	499.00	11	141.72	11		11		11	
1/4	2,261.59	1/4	1,905.36	1/4	1,548.92	1/4	1,192.13	1/4	847.79	1/4	491.56	1/4	134.27	1/4		1/4		1/4	
1/2	2,254.16	1/2	1,897.94	1/2	1,541.49	1/2	1,184.69	1/2	840.63	1/2	484.12	1/2	126.82	1/2		1/2		1/2	
3/4	2,246.73	3/4	1,890.52	3/4	1,534.05	3/4	1,177.26	3/4	833.46	3/4	476.68	3/4	119.37	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/04/2017 CL
CALCULATED : 10/05/2017 CL
NAME CHANGE: 10/17/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

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



BARGE "CTC 29138"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 308"

GAUGE HEIGHT 17'-03 1/2

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		0	4,271.34	0	4,052.40	0	3,833.43	0	3,613.88	0	3,320.92	0	2,964.20
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,266.78	1/4	4,047.84	1/4	3,828.86	1/4	3,609.31	1/4	3,313.51	1/4	2,956.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,471.73	1/2	4,262.22	1/2	4,043.28	1/2	3,824.29	1/2	3,604.73	1/2	3,306.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,468.55	3/4	4,257.66	3/4	4,038.72	3/4	3,819.71	3/4	3,600.16	3/4	3,291.88
1		1		1		1		1	4,465.36	1	4,253.10	1	4,034.16	1	3,815.14	1	3,595.59	1	3,291.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,462.18	1/4	4,248.54	1/4	4,029.60	1/4	3,810.56	1/4	3,591.01	1/4	3,283.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,459.00	1/2	4,243.98	1/2	4,025.03	1/2	3,805.99	1/2	3,586.44	1/2	3,276.45
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,455.05	3/4	4,239.42	3/4	4,020.47	3/4	3,801.42	3/4	3,581.86	3/4	3,269.04
2		2		2		2		2	4,451.11	2	4,234.85	2	4,015.91	2	3,796.84	2	3,577.29	2	3,261.63
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,447.16	1/4	4,230.29	1/4	4,011.35	1/4	3,792.27	1/4	3,572.72	1/4	3,254.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,443.22	1/2	4,225.73	1/2	4,006.79	1/2	3,787.69	1/2	3,568.14	1/2	3,246.81
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,438.74	3/4	4,221.17	3/4	4,002.23	3/4	3,783.12	3/4	3,563.33	3/4	3,239.39
3		3		3		3		3	4,434.27	3	4,216.61	3	3,997.67	3	3,778.55	3	3,558.51	3	3,231.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,429.79	1/4	4,212.05	1/4	3,993.10	1/4	3,773.97	1/4	3,553.70	1/4	3,224.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,425.32	1/2	4,207.49	1/2	3,988.54	1/2	3,769.40	1/2	3,548.89	1/2	3,217.16
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,420.81	3/4	4,202.92	3/4	3,983.98	3/4	3,764.82	3/4	3,543.63	3/4	3,209.72
4		4		4		4		4	4,416.30	4	4,198.36	4	3,979.42	4	3,760.25	4	3,538.38	4	3,202.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,411.79	1/4	4,193.80	1/4	3,974.86	1/4	3,755.68	1/4	3,533.12	1/4	3,194.84
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,407.29	1/2	4,189.24	1/2	3,970.30	1/2	3,751.10	1/2	3,527.87	1/2	3,187.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,402.77	3/4	4,184.68	3/4	3,965.74	3/4	3,746.53	3/4	3,522.13	3/4	3,179.96
5		5		5		5		5	4,398.25	5	4,180.12	5	3,961.18	5	3,741.95	5	3,516.40	5	3,172.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,393.74	1/4	4,175.56	1/4	3,956.61	1/4	3,737.38	1/4	3,510.66	1/4	3,165.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,389.22	1/2	4,171.00	1/2	3,952.05	1/2	3,732.81	1/2	3,504.93	1/2	3,157.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,384.71	3/4	4,166.43	3/4	3,947.49	3/4	3,728.23	3/4	3,498.71	3/4	3,150.20
6		6		6		6		6	4,380.19	6	4,161.87	6	3,942.93	6	3,723.66	6	3,492.50	6	3,142.76
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,375.67	1/4	4,157.31	1/4	3,938.37	1/4	3,719.08	1/4	3,486.29	1/4	3,135.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,371.15	1/2	4,152.75	1/2	3,933.81	1/2	3,714.51	1/2	3,480.07	1/2	3,127.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,366.64	3/4	4,148.19	3/4	3,929.25	3/4	3,709.94	3/4	3,473.38	3/4	3,120.44
7		7		7		7		7	4,362.12	7	4,143.63	7	3,924.69	7	3,705.36	7	3,466.69	7	3,113.00
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,357.60	1/4	4,139.07	1/4	3,920.12	1/4	3,700.79	1/4	3,459.99	1/4	3,105.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,353.09	1/2	4,134.51	1/2	3,915.56	1/2	3,696.21	1/2	3,453.30	1/2	3,098.12
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,348.57	3/4	4,129.94	3/4	3,911.00	3/4	3,691.64	3/4	3,446.13	3/4	3,090.68
8		8		8		8		8	4,344.06	8	4,125.38	8	3,906.44	8	3,687.07	8	3,438.96	8	3,083.24
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,339.54	1/4	4,120.82	1/4	3,901.88	1/4	3,682.49	1/4	3,431.79	1/4	3,075.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,335.02	1/2	4,116.26	1/2	3,897.32	1/2	3,677.92	1/2	3,424.62	1/2	3,068.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,330.51	3/4	4,111.70	3/4	3,892.76	3/4	3,673.34	3/4	3,417.22	3/4	3,060.92
9		9		9		9		9	4,325.99	9	4,107.14	9	3,888.19	9	3,668.77	9	3,409.82	9	3,053.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,321.47	1/4	4,102.58	1/4	3,883.63	1/4	3,664.20	1/4	3,402.42	1/4	3,046.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,316.96	1/2	4,098.01	1/2	3,879.07	1/2	3,659.62	1/2	3,395.02	1/2	3,038.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,312.40	3/4	4,093.45	3/4	3,874.51	3/4	3,655.05	3/4	3,387.62	3/4	3,031.16
10		10		10		10		10	4,307.83	10	4,088.89	10	3,869.95	10	3,650.47	10	3,380.21	10	3,023.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,303.27	1/4	4,084.33	1/4	3,865.39	1/4	3,645.90	1/4	3,372.80	1/4	3,016.28
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,298.71	1/2	4,079.77	1/2	3,860.83	1/2	3,641.33	1/2	3,365.39	1/2	3,008.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,294.15	3/4	4,075.21	3/4	3,856.27	3/4	3,636.75	3/4	3,357.98	3/4	3,001.40
11		11		11		11		11	4,289.59	11	4,070.65	11	3,851.70	11	3,632.18	11	3,350.57	11	2,993.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,285.03	1/4	4,066.09	1/4	3,847.14	1/4	3,627.60	1/4	3,343.16	1/4	2,986.52
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,280.47	1/2	4,061.52	1/2	3,842.58	1/2	3,623.03	1/2	3,335.75	1/2	2,979.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,275.91	3/4	4,056.96	3/4	3,838.01	3/4	3,618.46	3/4	3,328.33	3/4	2,971.64

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" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "CTC 29138"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 308"

GAUGE HEIGHT 17'-03 1/2

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,607.07	0	2,249.65	0	1,892.03	0	1,534.41	0	1,176.79	0	819.69	0	462.08	0	104.49	0		0	
1/4	2,599.62	1/4	2,242.20	1/4	1,884.58	1/4	1,526.96	1/4	1,169.34	1/4	812.24	1/4	454.63	1/4	97.05	1/4		1/4	
1/2	2,592.18	1/2	2,234.75	1/2	1,877.13	1/2	1,519.51	1/2	1,161.89	1/2	804.79	1/2	447.18	1/2	89.61	1/2		1/2	
3/4	2,584.74	3/4	2,227.30	3/4	1,869.68	3/4	1,512.06	3/4	1,154.45	3/4	797.34	3/4	439.73	3/4	82.20	3/4		3/4	
1	2,577.30	1	2,219.85	1	1,862.23	1	1,504.61	1	1,147.00	1	789.89	1	432.28	1	74.79	1		1	
1/4	2,569.86	1/4	2,212.40	1/4	1,854.78	1/4	1,497.16	1/4	1,139.56	1/4	782.44	1/4	424.83	1/4	67.37	1/4		1/4	
1/2	2,562.42	1/2	2,204.95	1/2	1,847.33	1/2	1,489.71	1/2	1,132.11	1/2	774.99	1/2	417.38	1/2	59.96	1/2		1/2	
3/4	2,554.98	3/4	2,197.50	3/4	1,839.88	3/4	1,482.26	3/4	1,124.67	3/4	767.54	3/4	409.93	3/4	53.44	3/4		3/4	
2	2,547.54	2	2,190.05	2	1,832.43	2	1,474.81	2	1,117.22	2	760.09	2	402.48	2	46.92	2		2	
1/4	2,540.10	1/4	2,182.60	1/4	1,824.98	1/4	1,467.36	1/4	1,109.78	1/4	752.64	1/4	395.03	1/4	40.41	1/4		1/4	
1/2	2,532.65	1/2	2,175.15	1/2	1,817.53	1/2	1,459.91	1/2	1,102.33	1/2	745.18	1/2	387.58	1/2	33.89	1/2		1/2	
3/4	2,525.21	3/4	2,167.70	3/4	1,810.08	3/4	1,452.46	3/4	1,094.90	3/4	737.73	3/4	380.13	3/4	29.23	3/4		3/4	
3	2,517.77	3	2,160.25	3	1,802.63	3	1,445.01	3	1,087.46	3	730.28	3	372.67	3	24.58	3		3	
1/4	2,510.33	1/4	2,152.80	1/4	1,795.18	1/4	1,437.56	1/4	1,080.03	1/4	722.83	1/4	365.22	1/4	19.92	1/4		1/4	
1/2	2,502.89	1/2	2,145.35	1/2	1,787.73	1/2	1,430.11	1/2	1,072.59	1/2	715.38	1/2	357.77	1/2	15.27	1/2		1/2	
3/4	2,495.45	3/4	2,137.90	3/4	1,780.28	3/4	1,422.66	3/4	1,065.15	3/4	707.93	3/4	350.32	3/4		3/4		3/4	
4	2,488.01	4	2,130.44	4	1,772.83	4	1,415.21	4	1,057.72	4	700.48	4	342.87	4		4		4	
1/4	2,480.57	1/4	2,122.99	1/4	1,765.38	1/4	1,407.76	1/4	1,050.28	1/4	693.03	1/4	335.42	1/4		1/4		1/4	
1/2	2,473.13	1/2	2,115.54	1/2	1,757.92	1/2	1,400.31	1/2	1,042.85	1/2	685.58	1/2	327.97	1/2		1/2		1/2	
3/4	2,465.68	3/4	2,108.09	3/4	1,750.47	3/4	1,392.86	3/4	1,035.41	3/4	678.13	3/4	320.52	3/4		3/4		3/4	
5	2,458.24	5	2,100.64	5	1,743.02	5	1,385.40	5	1,027.98	5	670.68	5	313.07	5		5		5	
1/4	2,450.80	1/4	2,093.19	1/4	1,735.57	1/4	1,377.95	1/4	1,020.54	1/4	663.23	1/4	305.62	1/4		1/4		1/4	
1/2	2,443.36	1/2	2,085.74	1/2	1,728.12	1/2	1,370.50	1/2	1,013.10	1/2	655.78	1/2	298.17	1/2		1/2		1/2	
3/4	2,435.91	3/4	2,078.29	3/4	1,720.67	3/4	1,363.05	3/4	1,005.67	3/4	648.33	3/4	290.72	3/4		3/4		3/4	
6	2,428.46	6	2,070.84	6	1,713.22	6	1,355.60	6	998.23	6	640.88	6	283.27	6		6		6	
1/4	2,421.01	1/4	2,063.39	1/4	1,705.77	1/4	1,348.15	1/4	990.80	1/4	633.43	1/4	275.82	1/4		1/4		1/4	
1/2	2,413.56	1/2	2,055.94	1/2	1,698.32	1/2	1,340.70	1/2	983.36	1/2	625.98	1/2	268.37	1/2		1/2		1/2	
3/4	2,406.11	3/4	2,048.49	3/4	1,690.87	3/4	1,333.25	3/4	975.93	3/4	618.53	3/4	260.92	3/4		3/4		3/4	
7	2,398.66	7	2,041.04	7	1,683.42	7	1,325.80	7	968.49	7	611.08	7	253.47	7		7		7	
1/4	2,391.21	1/4	2,033.59	1/4	1,675.97	1/4	1,318.35	1/4	961.05	1/4	603.63	1/4	246.02	1/4		1/4		1/4	
1/2	2,383.76	1/2	2,026.14	1/2	1,668.52	1/2	1,310.90	1/2	953.62	1/2	596.18	1/2	238.57	1/2		1/2		1/2	
3/4	2,376.31	3/4	2,018.69	3/4	1,661.07	3/4	1,303.45	3/4	946.18	3/4	588.73	3/4	231.12	3/4		3/4		3/4	
8	2,368.86	8	2,011.24	8	1,653.62	8	1,296.00	8	938.75	8	581.28	8	223.67	8		8		8	
1/4	2,361.41	1/4	2,003.79	1/4	1,646.17	1/4	1,288.55	1/4	931.31	1/4	573.83	1/4	216.22	1/4		1/4		1/4	
1/2	2,353.96	1/2	1,996.34	1/2	1,638.72	1/2	1,281.10	1/2	923.87	1/2	566.38	1/2	208.77	1/2		1/2		1/2	
3/4	2,346.51	3/4	1,988.89	3/4	1,631.27	3/4	1,273.65	3/4	916.44	3/4	558.93	3/4	201.32	3/4		3/4		3/4	
9	2,339.06	9	1,981.44	9	1,623.82	9	1,266.20	9	909.00	9	551.48	9	193.87	9		9		9	
1/4	2,331.61	1/4	1,973.99	1/4	1,616.37	1/4	1,258.75	1/4	901.57	1/4	544.03	1/4	186.42	1/4		1/4		1/4	
1/2	2,324.16	1/2	1,966.54	1/2	1,608.92	1/2	1,251.30	1/2	894.13	1/2	536.58	1/2	178.97	1/2		1/2		1/2	
3/4	2,316.70	3/4	1,959.09	3/4	1,601.47	3/4	1,243.85	3/4	886.70	3/4	529.13	3/4	171.52	3/4		3/4		3/4	
10	2,309.25	10	1,951.64	10	1,594.02	10	1,236.40	10	879.26	10	521.68	10	164.07	10		10		10	
1/4	2,301.80	1/4	1,944.18	1/4	1,586.57	1/4	1,228.95	1/4	871.82	1/4	514.23	1/4	156.62	1/4		1/4		1/4	
1/2	2,294.35	1/2	1,936.73	1/2	1,579.12	1/2	1,221.50	1/2	864.39	1/2	506.78	1/2	149.17	1/2		1/2		1/2	
3/4	2,286.90	3/4	1,929.28	3/4	1,571.66	3/4	1,214.05	3/4	856.94	3/4	499.33	3/4	141.72	3/4		3/4		3/4	
11	2,279.45	11	1,921.83	11	1,564.21	11	1,206.60	11	849.49	11	491.88	11	134.27	11		11		11	
1/4	2,272.00	1/4	1,914.38	1/4	1,556.76	1/4	1,199.14	1/4	842.04	1/4	484.43	1/4	126.82	1/4		1/4		1/4	
1/2	2,264.55	1/2	1,906.93	1/2	1,549.31	1/2	1,191.69	1/2	834.59	1/2	476.98	1/2	119.37	1/2		1/2		1/2	
3/4	2,257.10	3/4	1,899.48	3/4	1,541.86	3/4	1,184.24	3/4	827.14	3/4	469.53	3/4	111.93	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/04/2017 CL
CALCULATED : 10/05/2017 CL
NAME CHANGE: 10/17/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>