



BARGE "CTC 29144"

INNAGE (HERMETIC)
FORMERLY "E2MS 314"

	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	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
1 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
2 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
2 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
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 00-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 235'-09"

June 15, 2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29144"

1 PORT INNAGE TABLE

HERMETIC GAUGE HEIGHT 15'-09 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 314"

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	15.29	0	303.72	0	653.28	0	1,009.62	0	1,367.13	0	1,725.32	0	2,083.52	0	2,441.71	0	2,799.85	0	3,157.95
1/4	18.33	1/4	310.61	1/4	660.75	1/4	1,017.03	1/4	1,374.59	1/4	1,732.79	1/4	2,090.98	1/4	2,449.18	1/4	2,807.31	1/4	3,165.41
1/2	21.38	1/2	317.51	1/2	668.21	1/2	1,024.43	1/2	1,382.05	1/2	1,740.25	1/2	2,098.44	1/2	2,456.64	1/2	2,814.77	1/2	3,172.87
3/4	24.42	3/4	324.40	3/4	675.67	3/4	1,031.83	3/4	1,389.52	3/4	1,747.71	3/4	2,105.91	3/4	2,464.10	3/4	2,822.23	3/4	3,180.33
1	27.47	1	331.29	1	683.13	1	1,039.24	1	1,396.98	1	1,755.17	1	2,113.37	1	2,471.56	1	2,829.69	1	3,187.79
1/4	32.46	1/4	338.27	1/4	690.60	1/4	1,046.65	1/4	1,404.44	1/4	1,762.64	1/4	2,120.83	1/4	2,479.03	1/4	2,837.15	1/4	3,195.25
1/2	37.46	1/2	345.25	1/2	698.06	1/2	1,054.06	1/2	1,411.90	1/2	1,770.10	1/2	2,128.29	1/2	2,486.49	1/2	2,844.61	1/2	3,202.71
3/4	42.45	3/4	352.24	3/4	705.52	3/4	1,061.47	3/4	1,419.37	3/4	1,777.56	3/4	2,135.76	3/4	2,493.95	3/4	2,852.07	3/4	3,210.17
2	47.45	2	359.22	2	712.98	2	1,068.88	2	1,426.83	2	1,785.02	2	2,143.22	2	2,501.41	2	2,859.53	2	3,217.63
1/4	53.43	1/4	366.28	1/4	720.44	1/4	1,076.32	1/4	1,434.29	1/4	1,792.49	1/4	2,150.68	1/4	2,508.88	1/4	2,866.99	1/4	3,225.09
1/2	59.41	1/2	373.35	1/2	727.91	1/2	1,083.75	1/2	1,441.75	1/2	1,799.95	1/2	2,158.14	1/2	2,516.34	1/2	2,874.45	1/2	3,232.55
3/4	65.39	3/4	380.42	3/4	735.37	3/4	1,091.18	3/4	1,449.22	3/4	1,807.41	3/4	2,165.61	3/4	2,523.80	3/4	2,881.91	3/4	3,240.01
3	71.37	3	387.49	3	742.83	3	1,098.61	3	1,456.68	3	1,814.87	3	2,173.07	3	2,531.26	3	2,889.37	3	3,247.47
1/4	77.47	1/4	394.64	1/4	750.29	1/4	1,106.04	1/4	1,464.14	1/4	1,822.33	1/4	2,180.53	1/4	2,538.73	1/4	2,896.83	1/4	3,254.93
1/2	83.56	1/2	401.80	1/2	757.76	1/2	1,113.47	1/2	1,471.60	1/2	1,829.80	1/2	2,187.99	1/2	2,546.19	1/2	2,904.29	1/2	3,262.39
3/4	89.66	3/4	408.96	3/4	765.22	3/4	1,120.90	3/4	1,479.06	3/4	1,837.26	3/4	2,195.45	3/4	2,553.65	3/4	2,911.76	3/4	3,269.85
4	95.75	4	416.11	4	772.68	4	1,128.33	4	1,486.53	4	1,844.72	4	2,202.92	4	2,561.11	4	2,919.22	4	3,277.31
1/4	101.94	1/4	423.36	1/4	780.09	1/4	1,135.79	1/4	1,493.99	1/4	1,852.18	1/4	2,210.38	1/4	2,568.57	1/4	2,926.68	1/4	3,284.77
1/2	108.14	1/2	430.60	1/2	787.50	1/2	1,143.26	1/2	1,501.45	1/2	1,859.65	1/2	2,217.84	1/2	2,576.04	1/2	2,934.14	1/2	3,292.23
3/4	114.33	3/4	437.84	3/4	794.91	3/4	1,150.72	3/4	1,508.91	3/4	1,867.11	3/4	2,225.30	3/4	2,583.50	3/4	2,941.60	3/4	3,299.69
5	120.52	5	445.09	5	802.33	5	1,158.18	5	1,516.38	5	1,874.57	5	2,232.77	5	2,590.96	5	2,949.06	5	3,307.15
1/4	126.80	1/4	452.42	1/4	809.73	1/4	1,165.64	1/4	1,523.84	1/4	1,882.03	1/4	2,240.23	1/4	2,598.42	1/4	2,956.52	1/4	3,314.61
1/2	133.08	1/2	459.75	1/2	817.13	1/2	1,173.11	1/2	1,531.30	1/2	1,889.50	1/2	2,247.69	1/2	2,605.88	1/2	2,963.98	1/2	3,322.07
3/4	139.36	3/4	467.08	3/4	824.54	3/4	1,180.57	3/4	1,538.76	3/4	1,896.96	3/4	2,255.15	3/4	2,613.34	3/4	2,971.44	3/4	3,329.53
6	145.64	6	474.41	6	831.94	6	1,188.03	6	1,546.23	6	1,904.42	6	2,262.62	6	2,620.80	6	2,978.90	6	3,336.99
1/4	152.01	1/4	481.83	1/4	839.34	1/4	1,195.49	1/4	1,553.69	1/4	1,911.88	1/4	2,270.08	1/4	2,628.26	1/4	2,986.36	1/4	3,344.45
1/2	158.38	1/2	489.25	1/2	846.75	1/2	1,202.96	1/2	1,561.15	1/2	1,919.35	1/2	2,277.54	1/2	2,635.72	1/2	2,993.82	1/2	3,351.91
3/4	164.74	3/4	496.67	3/4	854.15	3/4	1,210.42	3/4	1,568.61	3/4	1,926.81	3/4	2,285.00	3/4	2,643.18	3/4	3,001.28	3/4	3,359.37
7	171.11	7	504.08	7	861.55	7	1,217.88	7	1,576.08	7	1,934.27	7	2,292.47	7	2,650.64	7	3,008.74	7	3,366.83
1/4	177.57	1/4	511.55	1/4	868.96	1/4	1,225.34	1/4	1,583.54	1/4	1,941.73	1/4	2,299.93	1/4	2,658.10	1/4	3,016.20	1/4	3,374.29
1/2	184.02	1/2	519.01	1/2	876.36	1/2	1,232.81	1/2	1,591.00	1/2	1,949.20	1/2	2,307.39	1/2	2,665.57	1/2	3,023.66	1/2	3,381.75
3/4	190.48	3/4	526.47	3/4	883.76	3/4	1,240.27	3/4	1,598.46	3/4	1,956.66	3/4	2,314.85	3/4	2,673.03	3/4	3,031.12	3/4	3,389.21
8	196.93	8	533.93	8	891.17	8	1,247.73	8	1,605.93	8	1,964.12	8	2,322.32	8	2,680.49	8	3,038.58	8	3,396.67
1/4	203.48	1/4	541.39	1/4	898.57	1/4	1,255.19	1/4	1,613.39	1/4	1,971.58	1/4	2,329.78	1/4	2,687.95	1/4	3,046.04	1/4	3,404.13
1/2	210.02	1/2	548.85	1/2	905.97	1/2	1,262.66	1/2	1,620.85	1/2	1,979.05	1/2	2,337.24	1/2	2,695.41	1/2	3,053.50	1/2	3,411.60
3/4	216.56	3/4	556.30	3/4	913.38	3/4	1,270.12	3/4	1,628.31	3/4	1,986.51	3/4	2,344.70	3/4	2,702.87	3/4	3,060.96	3/4	3,419.06
9	223.10	9	563.76	9	920.78	9	1,277.58	9	1,635.78	9	1,993.97	9	2,352.17	9	2,710.33	9	3,068.42	9	3,426.52
1/4	229.73	1/4	571.22	1/4	928.18	1/4	1,285.04	1/4	1,643.24	1/4	2,001.43	1/4	2,359.63	1/4	2,717.79	1/4	3,075.88	1/4	3,433.98
1/2	236.37	1/2	578.67	1/2	935.59	1/2	1,292.50	1/2	1,650.70	1/2	2,008.89	1/2	2,367.09	1/2	2,725.25	1/2	3,083.34	1/2	3,441.44
3/4	243.00	3/4	586.13	3/4	942.99	3/4	1,299.97	3/4	1,658.16	3/4	2,016.36	3/4	2,374.55	3/4	2,732.71	3/4	3,090.80	3/4	3,448.90
10	249.63	10	593.59	10	950.39	10	1,307.43	10	1,665.62	10	2,023.82	10	2,382.01	10	2,740.17	10	3,098.26	10	3,456.36
1/4	256.34	1/4	601.05	1/4	957.80	1/4	1,314.89	1/4	1,673.09	1/4	2,031.28	1/4	2,389.48	1/4	2,747.63	1/4	3,105.72	1/4	3,463.82
1/2	263.06	1/2	608.51	1/2	965.20	1/2	1,322.35	1/2	1,680.55	1/2	2,038.74	1/2	2,396.94	1/2	2,755.09	1/2	3,113.18	1/2	3,471.28
3/4	269.78	3/4	615.97	3/4	972.60	3/4	1,329.82	3/4	1,688.01	3/4	2,046.21	3/4	2,404.40	3/4	2,762.55	3/4	3,120.64	3/4	3,478.74
11	276.50	11	623.44	11	980.01	11	1,337.28	11	1,695.47	11	2,053.67	11	2,411.86	11	2,770.01	11	3,128.10	11	3,486.20
1/4	283.30	1/4	630.90	1/4	987.41	1/4	1,344.74	1/4	1,702.94	1/4	2,061.13	1/4	2,419.33	1/4	2,777.47	1/4	3,135.56	1/4	3,493.66
1/2	290.11	1/2	638.36	1/2	994.82	1/2	1,352.20	1/2	1,710.40	1/2	2,068.59	1/2	2,426.79	1/2	2,784.93	1/2	3,143.02	1/2	3,501.12
3/4	296.92	3/4	645.82	3/4	1,002.22	3/4	1,359.67	3/4	1,717.86	3/4	2,076.06	3/4	2,434.25	3/4	2,792.39	3/4	3,150.48	3/4	3,508.58

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 TO TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CTC 29144"

1 PORT INNAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 314"

GAUGE HEIGHT 15'-09 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	3,516.04	0	3,874.13	0	4,231.53	0	4,588.57	0	4,943.80	0		0		0		0		0	
1/4	3,523.50	1/4	3,881.59	1/4	4,238.97	1/4	4,596.01	1/4	4,951.10	1/4		1/4		1/4		1/4		1/4	
1/2	3,530.96	1/2	3,889.05	1/2	4,246.40	1/2	4,603.45	1/2	4,958.40	1/2		1/2		1/2		1/2		1/2	
3/4	3,538.42	3/4	3,896.51	3/4	4,253.84	3/4	4,610.89	3/4	4,965.69	3/4		3/4		3/4		3/4		3/4	
1	3,545.88	1	3,903.98	1	4,261.28	1	4,618.32	1	4,972.99	1		1		1		1		1	
1/4	3,553.34	1/4	3,911.44	1/4	4,268.72	1/4	4,625.76	1/4	4,979.42	1/4		1/4		1/4		1/4		1/4	
1/2	3,560.80	1/2	3,918.90	1/2	4,276.16	1/2	4,633.20	1/2	4,985.86	1/2		1/2		1/2		1/2		1/2	
3/4	3,568.26	3/4	3,926.36	3/4	4,283.60	3/4	4,640.64	3/4	4,992.29	3/4		3/4		3/4		3/4		3/4	
2	3,575.72	2	3,933.82	2	4,291.03	2	4,648.08	2	4,998.72	2		2		2		2		2	
1/4	3,583.18	1/4	3,941.28	1/4	4,298.47	1/4	4,655.52	1/4	5,003.91	1/4		1/4		1/4		1/4		1/4	
1/2	3,590.64	1/2	3,948.74	1/2	4,305.91	1/2	4,662.95	1/2	5,009.10	1/2		1/2		1/2		1/2		1/2	
3/4	3,598.10	3/4	3,956.20	3/4	4,313.35	3/4	4,670.39	3/4	5,014.30	3/4		3/4		3/4		3/4		3/4	
3	3,605.56	3	3,963.66	3	4,320.79	3	4,677.83	3	5,019.49	3		3		3		3		3	
1/4	3,613.02	1/4	3,971.12	1/4	4,328.23	1/4	4,685.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,620.48	1/2	3,978.58	1/2	4,335.67	1/2	4,692.71	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,627.94	3/4	3,986.04	3/4	4,343.10	3/4	4,700.15	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,635.40	4	3,993.50	4	4,350.54	4	4,707.59	4		4		4		4		4		4	
1/4	3,642.86	1/4	4,000.94	1/4	4,357.98	1/4	4,715.02	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,650.32	1/2	4,008.38	1/2	4,365.42	1/2	4,722.46	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,657.79	3/4	4,015.81	3/4	4,372.86	3/4	4,729.90	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,665.25	5	4,023.25	5	4,380.30	5	4,737.34	5		5		5		5		5		5	
1/4	3,672.71	1/4	4,030.69	1/4	4,387.73	1/4	4,744.78	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,680.17	1/2	4,038.13	1/2	4,395.17	1/2	4,752.22	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,687.63	3/4	4,045.57	3/4	4,402.61	3/4	4,759.65	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,695.09	6	4,053.01	6	4,410.05	6	4,767.09	6		6		6		6		6		6	
1/4	3,702.55	1/4	4,060.44	1/4	4,417.49	1/4	4,774.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,710.01	1/2	4,067.88	1/2	4,424.93	1/2	4,781.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,717.47	3/4	4,075.32	3/4	4,432.36	3/4	4,789.19	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,724.93	7	4,082.76	7	4,439.80	7	4,796.55	7		7		7		7		7		7	
1/4	3,732.39	1/4	4,090.20	1/4	4,447.24	1/4	4,803.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,739.85	1/2	4,097.64	1/2	4,454.68	1/2	4,811.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,747.31	3/4	4,105.07	3/4	4,462.12	3/4	4,818.65	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,754.77	8	4,112.51	8	4,469.56	8	4,826.01	8		8		8		8		8		8	
1/4	3,762.23	1/4	4,119.95	1/4	4,476.99	1/4	4,833.38	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,769.69	1/2	4,127.39	1/2	4,484.43	1/2	4,840.74	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,777.15	3/4	4,134.83	3/4	4,491.87	3/4	4,848.11	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,784.61	9	4,142.27	9	4,499.31	9	4,855.47	9		9		9		9		9		9	
1/4	3,792.07	1/4	4,149.71	1/4	4,506.75	1/4	4,862.84	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,799.53	1/2	4,157.14	1/2	4,514.19	1/2	4,870.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,806.99	3/4	4,164.58	3/4	4,521.63	3/4	4,877.57	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,814.45	10	4,172.02	10	4,529.06	10	4,884.94	10		10		10		10		10		10	
1/4	3,821.91	1/4	4,179.46	1/4	4,536.50	1/4	4,892.30	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,829.37	1/2	4,186.90	1/2	4,543.94	1/2	4,899.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,836.83	3/4	4,194.34	3/4	4,551.38	3/4	4,907.03	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,844.29	11	4,201.77	11	4,558.82	11	4,914.39	11		11		11		11		11		11	
1/4	3,851.75	1/4	4,209.21	1/4	4,566.26	1/4	4,921.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,859.21	1/2	4,216.65	1/2	4,573.69	1/2	4,929.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,866.67	3/4	4,224.09	3/4	4,581.13	3/4	4,936.45	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/26/2019 CL
CALCULATED: 06/27/2019 CL
RENAMED: 06/15/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

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





BARGE "CTC 29144"

1 STBD INNAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 314"

GAUGE HEIGHT 15'-09 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	15.29	0	303.65	0	653.19	0	1,010.93	0	1,368.96	0	1,727.09	0	2,085.22	0	2,443.36	0	2,801.43	0	3,159.46
1/4	18.33	1/4	310.54	1/4	660.65	1/4	1,018.38	1/4	1,376.42	1/4	1,734.55	1/4	2,092.69	1/4	2,450.82	1/4	2,808.89	1/4	3,166.92
1/2	21.37	1/2	317.43	1/2	668.12	1/2	1,025.82	1/2	1,383.88	1/2	1,742.01	1/2	2,100.15	1/2	2,458.28	1/2	2,816.35	1/2	3,174.38
3/4	24.42	3/4	324.32	3/4	675.58	3/4	1,033.27	3/4	1,391.34	3/4	1,749.47	3/4	2,107.61	3/4	2,465.74	3/4	2,823.81	3/4	3,181.84
1	27.46	1	331.21	1	683.04	1	1,040.72	1	1,398.80	1	1,756.94	1	2,115.07	1	2,473.20	1	2,831.27	1	3,189.30
1/4	32.45	1/4	338.19	1/4	690.50	1/4	1,048.17	1/4	1,406.26	1/4	1,764.40	1/4	2,122.53	1/4	2,480.66	1/4	2,838.73	1/4	3,196.76
1/2	37.45	1/2	345.17	1/2	697.96	1/2	1,055.63	1/2	1,413.73	1/2	1,771.86	1/2	2,129.99	1/2	2,488.12	1/2	2,846.19	1/2	3,204.22
3/4	42.44	3/4	352.15	3/4	705.42	3/4	1,063.08	3/4	1,421.19	3/4	1,779.32	3/4	2,137.45	3/4	2,495.58	3/4	2,853.64	3/4	3,211.68
2	47.44	2	359.13	2	712.88	2	1,070.54	2	1,428.65	2	1,786.78	2	2,144.91	2	2,503.05	2	2,861.10	2	3,219.14
1/4	53.42	1/4	366.20	1/4	720.34	1/4	1,077.99	1/4	1,436.11	1/4	1,794.24	1/4	2,152.37	1/4	2,510.51	1/4	2,868.56	1/4	3,226.59
1/2	59.40	1/2	373.26	1/2	727.80	1/2	1,085.45	1/2	1,443.57	1/2	1,801.70	1/2	2,159.84	1/2	2,517.97	1/2	2,876.02	1/2	3,234.05
3/4	65.37	3/4	380.33	3/4	735.27	3/4	1,092.90	3/4	1,451.03	3/4	1,809.16	3/4	2,167.30	3/4	2,525.43	3/4	2,883.48	3/4	3,241.51
3	71.35	3	387.40	3	742.73	3	1,100.36	3	1,458.49	3	1,816.62	3	2,174.76	3	2,532.89	3	2,890.94	3	3,248.97
1/4	77.45	1/4	394.55	1/4	750.19	1/4	1,107.82	1/4	1,465.95	1/4	1,824.09	1/4	2,182.22	1/4	2,540.35	1/4	2,898.40	1/4	3,256.43
1/2	83.54	1/2	401.71	1/2	757.65	1/2	1,115.28	1/2	1,473.41	1/2	1,831.55	1/2	2,189.68	1/2	2,547.81	1/2	2,905.86	1/2	3,263.89
3/4	89.63	3/4	408.86	3/4	765.11	3/4	1,122.74	3/4	1,480.88	3/4	1,839.01	3/4	2,197.14	3/4	2,555.27	3/4	2,913.32	3/4	3,271.35
4	95.73	4	416.02	4	772.57	4	1,130.20	4	1,488.34	4	1,846.47	4	2,204.60	4	2,562.73	4	2,920.78	4	3,278.81
1/4	101.92	1/4	423.26	1/4	780.03	1/4	1,137.66	1/4	1,495.80	1/4	1,853.93	1/4	2,212.06	1/4	2,570.20	1/4	2,928.23	1/4	3,286.27
1/2	108.11	1/2	430.50	1/2	787.49	1/2	1,145.13	1/2	1,503.26	1/2	1,861.39	1/2	2,219.52	1/2	2,577.66	1/2	2,935.69	1/2	3,293.73
3/4	114.30	3/4	437.74	3/4	794.95	3/4	1,152.59	3/4	1,510.72	3/4	1,868.85	3/4	2,226.99	3/4	2,585.12	3/4	2,943.15	3/4	3,301.18
5	120.49	5	444.98	5	802.42	5	1,160.05	5	1,518.18	5	1,876.31	5	2,234.45	5	2,592.58	5	2,950.61	5	3,308.64
1/4	126.76	1/4	452.31	1/4	809.86	1/4	1,167.51	1/4	1,525.64	1/4	1,883.77	1/4	2,241.91	1/4	2,600.04	1/4	2,958.07	1/4	3,316.10
1/2	133.04	1/2	459.64	1/2	817.31	1/2	1,174.97	1/2	1,533.10	1/2	1,891.24	1/2	2,249.37	1/2	2,607.50	1/2	2,965.53	1/2	3,323.56
3/4	139.32	3/4	466.97	3/4	824.76	3/4	1,182.43	3/4	1,540.56	3/4	1,898.70	3/4	2,256.83	3/4	2,614.96	3/4	2,972.99	3/4	3,331.02
6	145.60	6	474.30	6	832.20	6	1,189.89	6	1,548.03	6	1,906.16	6	2,264.29	6	2,622.42	6	2,980.45	6	3,338.48
1/4	151.97	1/4	481.72	1/4	839.65	1/4	1,197.35	1/4	1,555.49	1/4	1,913.62	1/4	2,271.75	1/4	2,629.87	1/4	2,987.91	1/4	3,345.94
1/2	158.33	1/2	489.14	1/2	847.10	1/2	1,204.81	1/2	1,562.95	1/2	1,921.08	1/2	2,279.21	1/2	2,637.33	1/2	2,995.37	1/2	3,353.40
3/4	164.70	3/4	496.55	3/4	854.54	3/4	1,212.28	3/4	1,570.41	3/4	1,928.54	3/4	2,286.67	3/4	2,644.79	3/4	3,002.82	3/4	3,360.86
7	171.07	7	503.97	7	861.99	7	1,219.74	7	1,577.87	7	1,936.00	7	2,294.14	7	2,652.25	7	3,010.28	7	3,368.32
1/4	177.52	1/4	511.43	1/4	869.44	1/4	1,227.20	1/4	1,585.33	1/4	1,943.46	1/4	2,301.60	1/4	2,659.71	1/4	3,017.74	1/4	3,375.77
1/2	183.97	1/2	518.89	1/2	876.88	1/2	1,234.66	1/2	1,592.79	1/2	1,950.92	1/2	2,309.06	1/2	2,667.17	1/2	3,025.20	1/2	3,383.23
3/4	190.43	3/4	526.36	3/4	884.33	3/4	1,242.12	3/4	1,600.25	3/4	1,958.39	3/4	2,316.52	3/4	2,674.63	3/4	3,032.66	3/4	3,390.69
8	196.88	8	533.82	8	891.78	8	1,249.58	8	1,607.71	8	1,965.85	8	2,323.98	8	2,682.09	8	3,040.12	8	3,398.15
1/4	203.42	1/4	541.28	1/4	899.23	1/4	1,257.04	1/4	1,615.18	1/4	1,973.31	1/4	2,331.44	1/4	2,689.55	1/4	3,047.58	1/4	3,405.61
1/2	209.96	1/2	548.74	1/2	906.67	1/2	1,264.50	1/2	1,622.64	1/2	1,980.77	1/2	2,338.90	1/2	2,697.01	1/2	3,055.04	1/2	3,413.07
3/4	216.50	3/4	556.20	3/4	914.12	3/4	1,271.96	3/4	1,630.10	3/4	1,988.23	3/4	2,346.36	3/4	2,704.46	3/4	3,062.50	3/4	3,420.53
9	223.05	9	563.66	9	921.57	9	1,279.43	9	1,637.56	9	1,995.69	9	2,353.82	9	2,711.92	9	3,069.96	9	3,427.99
1/4	229.68	1/4	571.12	1/4	929.01	1/4	1,286.89	1/4	1,645.02	1/4	2,003.15	1/4	2,361.29	1/4	2,719.38	1/4	3,077.41	1/4	3,435.45
1/2	236.30	1/2	578.58	1/2	936.46	1/2	1,294.35	1/2	1,652.48	1/2	2,010.61	1/2	2,368.75	1/2	2,726.84	1/2	3,084.87	1/2	3,442.91
3/4	242.93	3/4	586.04	3/4	943.91	3/4	1,301.81	3/4	1,659.94	3/4	2,018.07	3/4	2,376.21	3/4	2,734.30	3/4	3,092.33	3/4	3,450.36
10	249.56	10	593.51	10	951.35	10	1,309.27	10	1,667.40	10	2,025.54	10	2,383.67	10	2,741.76	10	3,099.79	10	3,457.82
1/4	256.28	1/4	600.97	1/4	958.80	1/4	1,316.73	1/4	1,674.86	1/4	2,033.00	1/4	2,391.13	1/4	2,749.22	1/4	3,107.25	1/4	3,465.28
1/2	263.00	1/2	608.43	1/2	966.25	1/2	1,324.19	1/2	1,682.32	1/2	2,040.46	1/2	2,398.59	1/2	2,756.68	1/2	3,114.71	1/2	3,472.74
3/4	269.71	3/4	615.89	3/4	973.69	3/4	1,331.65	3/4	1,689.79	3/4	2,047.92	3/4	2,406.05	3/4	2,764.14	3/4	3,122.17	3/4	3,480.20
11	276.43	11	623.35	11	981.14	11	1,339.11	11	1,697.25	11	2,055.38	11	2,413.51	11	2,771.60	11	3,129.63	11	3,487.66
1/4	283.23	1/4	630.81	1/4	988.59	1/4	1,346.58	1/4	1,704.71	1/4	2,062.84	1/4	2,420.97	1/4	2,779.05	1/4	3,137.09	1/4	3,495.12
1/2	290.04	1/2	638.27	1/2	996.04	1/2	1,354.04	1/2	1,712.17	1/2	2,070.30	1/2	2,428.43	1/2	2,786.51	1/2	3,144.55	1/2	3,502.58
3/4	296.84	3/4	645.73	3/4	1,003.48	3/4	1,361.50	3/4	1,719.63	3/4	2,077.76	3/4	2,435.90	3/4	2,793.97	3/4	3,152.00	3/4	3,510.04

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 TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 29144"

**1 STBD
INNAGE TABLE
HERMETIC
GAUGE HEIGHT 15'-09 1/2"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 314"

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	3,517.50	0	3,875.53	0	4,232.86	0	4,589.84	0	4,945.01	0		0		0		0		0	
1/4	3,524.95	1/4	3,882.99	1/4	4,240.30	1/4	4,597.28	1/4	4,952.30	1/4		1/4		1/4		1/4		1/4	
1/2	3,532.41	1/2	3,890.45	1/2	4,247.73	1/2	4,604.71	1/2	4,959.60	1/2		1/2		1/2		1/2		1/2	
3/4	3,539.87	3/4	3,897.90	3/4	4,255.17	3/4	4,612.15	3/4	4,966.89	3/4		3/4		3/4		3/4		3/4	
1	3,547.33	1	3,905.36	1	4,262.61	1	4,619.59	1	4,974.19	1		1		1		1		1	
1/4	3,554.79	1/4	3,912.82	1/4	4,270.04	1/4	4,627.02	1/4	4,980.62	1/4		1/4		1/4		1/4		1/4	
1/2	3,562.25	1/2	3,920.28	1/2	4,277.48	1/2	4,634.46	1/2	4,987.05	1/2		1/2		1/2		1/2		1/2	
3/4	3,569.71	3/4	3,927.74	3/4	4,284.92	3/4	4,641.90	3/4	4,993.49	3/4		3/4		3/4		3/4		3/4	
2	3,577.17	2	3,935.20	2	4,292.36	2	4,649.34	2	4,999.92	2		2		2		2		2	
1/4	3,584.63	1/4	3,942.66	1/4	4,299.79	1/4	4,656.77	1/4	5,005.11	1/4		1/4		1/4		1/4		1/4	
1/2	3,592.09	1/2	3,950.12	1/2	4,307.23	1/2	4,664.21	1/2	5,010.30	1/2		1/2		1/2		1/2		1/2	
3/4	3,599.54	3/4	3,957.58	3/4	4,314.67	3/4	4,671.65	3/4	5,015.49	3/4		3/4		3/4		3/4		3/4	
3	3,607.00	3	3,965.04	3	4,322.10	3	4,679.08	3	5,020.68	3		3		3		3		3	
1/4	3,614.46	1/4	3,972.49	1/4	4,329.54	1/4	4,686.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,621.92	1/2	3,979.95	1/2	4,336.98	1/2	4,693.96	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,629.38	3/4	3,987.41	3/4	4,344.41	3/4	4,701.40	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,636.84	4	3,994.87	4	4,351.85	4	4,708.83	4		4		4		4		4		4	
1/4	3,644.30	1/4	4,002.31	1/4	4,359.29	1/4	4,716.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,651.76	1/2	4,009.75	1/2	4,366.73	1/2	4,723.71	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,659.22	3/4	4,017.18	3/4	4,374.16	3/4	4,731.14	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,666.68	5	4,024.62	5	4,381.60	5	4,738.58	5		5		5		5		5		5	
1/4	3,674.13	1/4	4,032.06	1/4	4,389.04	1/4	4,746.02	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,681.59	1/2	4,039.49	1/2	4,396.47	1/2	4,753.46	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,689.05	3/4	4,046.93	3/4	4,403.91	3/4	4,760.89	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,696.51	6	4,054.37	6	4,411.35	6	4,768.33	6		6		6		6		6		6	
1/4	3,703.97	1/4	4,061.80	1/4	4,418.79	1/4	4,775.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,711.43	1/2	4,069.24	1/2	4,426.22	1/2	4,783.06	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,718.89	3/4	4,076.68	3/4	4,433.66	3/4	4,790.42	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,726.35	7	4,084.12	7	4,441.10	7	4,797.78	7		7		7		7		7		7	
1/4	3,733.81	1/4	4,091.55	1/4	4,448.53	1/4	4,805.15	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,741.27	1/2	4,098.99	1/2	4,455.97	1/2	4,812.51	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,748.72	3/4	4,106.43	3/4	4,463.41	3/4	4,819.88	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,756.18	8	4,113.86	8	4,470.85	8	4,827.24	8		8		8		8		8		8	
1/4	3,763.64	1/4	4,121.30	1/4	4,478.28	1/4	4,834.60	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,771.10	1/2	4,128.74	1/2	4,485.72	1/2	4,841.97	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,778.56	3/4	4,136.18	3/4	4,493.16	3/4	4,849.33	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,786.02	9	4,143.61	9	4,500.59	9	4,856.70	9		9		9		9		9		9	
1/4	3,793.48	1/4	4,151.05	1/4	4,508.03	1/4	4,864.06	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,800.94	1/2	4,158.49	1/2	4,515.47	1/2	4,871.43	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,808.40	3/4	4,165.92	3/4	4,522.91	3/4	4,878.79	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,815.86	10	4,173.36	10	4,530.34	10	4,886.16	10		10		10		10		10		10	
1/4	3,823.31	1/4	4,180.80	1/4	4,537.78	1/4	4,893.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,830.77	1/2	4,188.24	1/2	4,545.22	1/2	4,900.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,838.23	3/4	4,195.67	3/4	4,552.65	3/4	4,908.24	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,845.69	11	4,203.11	11	4,560.09	11	4,915.60	11		11		11		11		11		11	
1/4	3,853.15	1/4	4,210.55	1/4	4,567.53	1/4	4,922.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,860.61	1/2	4,217.98	1/2	4,574.96	1/2	4,930.30	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,868.07	3/4	4,225.42	3/4	4,582.40	3/4	4,937.66	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/26/2019 CL
CALCULATED: 06/27/2019 CL
RENAMED: 06/15/2023 CL

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023



BARGE "CTC 29144"

2 PORT INNAGE TABLE

HERMETIC GAUGE HEIGHT 15'-09 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 314"

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	15.35	0	359.83	0	719.50	0	1,069.43	0	1,424.34	0	1,784.01	0	2,143.68	0	2,503.35	0	2,863.02	0	3,222.69
1/4	20.03	1/4	367.33	1/4	727.00	1/4	1,076.61	1/4	1,431.83	1/4	1,791.50	1/4	2,151.17	1/4	2,510.84	1/4	2,870.51	1/4	3,230.18
1/2	24.72	1/2	374.82	1/2	734.49	1/2	1,083.80	1/2	1,439.33	1/2	1,799.00	1/2	2,158.67	1/2	2,518.33	1/2	2,878.00	1/2	3,237.67
3/4	29.40	3/4	382.31	3/4	741.98	3/4	1,090.98	3/4	1,446.82	3/4	1,806.49	3/4	2,166.16	3/4	2,525.83	3/4	2,885.50	3/4	3,245.17
1	34.08	1	389.81	1	749.48	1	1,098.17	1	1,454.31	1	1,813.98	1	2,173.65	1	2,533.32	1	2,892.99	1	3,252.66
1/4	40.64	1/4	397.30	1/4	756.97	1/4	1,105.36	1/4	1,461.81	1/4	1,821.48	1/4	2,181.14	1/4	2,540.81	1/4	2,900.48	1/4	3,260.15
1/2	47.19	1/2	404.79	1/2	764.46	1/2	1,112.56	1/2	1,469.30	1/2	1,828.97	1/2	2,188.64	1/2	2,548.31	1/2	2,907.98	1/2	3,267.64
3/4	53.75	3/4	412.29	3/4	771.95	3/4	1,119.75	3/4	1,476.79	3/4	1,836.46	3/4	2,196.13	3/4	2,555.80	3/4	2,915.47	3/4	3,275.14
2	60.30	2	419.78	2	779.45	2	1,126.95	2	1,484.29	2	1,843.96	2	2,203.62	2	2,563.29	2	2,922.96	2	3,282.63
1/4	67.76	1/4	427.27	1/4	786.94	1/4	1,134.14	1/4	1,491.78	1/4	1,851.45	1/4	2,211.12	1/4	2,570.79	1/4	2,930.45	1/4	3,290.12
1/2	75.22	1/2	434.77	1/2	794.43	1/2	1,141.33	1/2	1,499.27	1/2	1,858.94	1/2	2,218.61	1/2	2,578.28	1/2	2,937.95	1/2	3,297.62
3/4	82.67	3/4	442.26	3/4	801.93	3/4	1,148.53	3/4	1,506.77	3/4	1,866.43	3/4	2,226.10	3/4	2,585.77	3/4	2,945.44	3/4	3,305.11
3	90.13	3	449.75	3	809.42	3	1,155.72	3	1,514.26	3	1,873.93	3	2,233.60	3	2,593.27	3	2,952.93	3	3,312.60
1/4	97.61	1/4	457.24	1/4	816.91	1/4	1,162.93	1/4	1,521.75	1/4	1,881.42	1/4	2,241.09	1/4	2,600.76	1/4	2,960.43	1/4	3,320.10
1/2	105.10	1/2	464.74	1/2	824.41	1/2	1,170.14	1/2	1,529.25	1/2	1,888.91	1/2	2,248.58	1/2	2,608.25	1/2	2,967.92	1/2	3,327.59
3/4	112.58	3/4	472.23	3/4	831.90	3/4	1,177.35	3/4	1,536.74	3/4	1,896.41	3/4	2,256.08	3/4	2,615.74	3/4	2,975.41	3/4	3,335.08
4	120.06	4	479.72	4	839.39	4	1,184.56	4	1,544.23	4	1,903.90	4	2,263.57	4	2,623.24	4	2,982.91	4	3,342.58
1/4	127.55	1/4	487.22	1/4	846.60	1/4	1,192.06	1/4	1,551.72	1/4	1,911.39	1/4	2,271.06	1/4	2,630.73	1/4	2,990.40	1/4	3,350.07
1/2	135.04	1/2	494.71	1/2	853.81	1/2	1,199.55	1/2	1,559.22	1/2	1,918.89	1/2	2,278.56	1/2	2,638.22	1/2	2,997.89	1/2	3,357.56
3/4	142.54	3/4	502.20	3/4	861.02	3/4	1,207.04	3/4	1,566.71	3/4	1,926.38	3/4	2,286.05	3/4	2,645.72	3/4	3,005.39	3/4	3,365.05
5	150.03	5	509.70	5	868.23	5	1,214.53	5	1,574.20	5	1,933.87	5	2,293.54	5	2,653.21	5	3,012.88	5	3,372.55
1/4	157.52	1/4	517.19	1/4	875.42	1/4	1,222.03	1/4	1,581.70	1/4	1,941.37	1/4	2,301.03	1/4	2,660.70	1/4	3,020.37	1/4	3,380.04
1/2	165.01	1/2	524.68	1/2	882.60	1/2	1,229.52	1/2	1,589.19	1/2	1,948.86	1/2	2,308.53	1/2	2,668.20	1/2	3,027.87	1/2	3,387.53
3/4	172.51	3/4	532.18	3/4	889.79	3/4	1,237.01	3/4	1,596.68	3/4	1,956.35	3/4	2,316.02	3/4	2,675.69	3/4	3,035.36	3/4	3,395.03
6	180.00	6	539.67	6	896.97	6	1,244.51	6	1,604.18	6	1,963.84	6	2,323.51	6	2,683.18	6	3,042.85	6	3,402.52
1/4	187.49	1/4	547.16	1/4	904.16	1/4	1,252.00	1/4	1,611.67	1/4	1,971.34	1/4	2,331.01	1/4	2,690.68	1/4	3,050.34	1/4	3,410.01
1/2	194.99	1/2	554.65	1/2	911.34	1/2	1,259.49	1/2	1,619.16	1/2	1,978.83	1/2	2,338.50	1/2	2,698.17	1/2	3,057.84	1/2	3,417.51
3/4	202.48	3/4	562.15	3/4	918.53	3/4	1,266.99	3/4	1,626.66	3/4	1,986.32	3/4	2,345.99	3/4	2,705.66	3/4	3,065.33	3/4	3,425.00
7	209.97	7	569.64	7	925.72	7	1,274.48	7	1,634.15	7	1,993.82	7	2,353.49	7	2,713.15	7	3,072.82	7	3,432.49
1/4	217.47	1/4	577.13	1/4	932.90	1/4	1,281.97	1/4	1,641.64	1/4	2,001.31	1/4	2,360.98	1/4	2,720.65	1/4	3,080.32	1/4	3,439.99
1/2	224.96	1/2	584.63	1/2	940.09	1/2	1,289.47	1/2	1,649.13	1/2	2,008.80	1/2	2,368.47	1/2	2,728.14	1/2	3,087.81	1/2	3,447.48
3/4	232.45	3/4	592.12	3/4	947.27	3/4	1,296.96	3/4	1,656.63	3/4	2,016.30	3/4	2,375.97	3/4	2,735.63	3/4	3,095.30	3/4	3,454.97
8	239.94	8	599.61	8	954.46	8	1,304.45	8	1,664.12	8	2,023.79	8	2,383.46	8	2,743.13	8	3,102.80	8	3,462.46
1/4	247.44	1/4	607.11	1/4	961.64	1/4	1,311.95	1/4	1,671.61	1/4	2,031.28	1/4	2,390.95	1/4	2,750.62	1/4	3,110.29	1/4	3,469.96
1/2	254.93	1/2	614.60	1/2	968.83	1/2	1,319.44	1/2	1,679.11	1/2	2,038.78	1/2	2,398.44	1/2	2,758.11	1/2	3,117.78	1/2	3,477.45
3/4	262.42	3/4	622.09	3/4	976.01	3/4	1,326.93	3/4	1,686.60	3/4	2,046.27	3/4	2,405.94	3/4	2,765.61	3/4	3,125.28	3/4	3,484.94
9	269.92	9	629.59	9	983.20	9	1,334.42	9	1,694.09	9	2,053.76	9	2,413.43	9	2,773.10	9	3,132.77	9	3,492.44
1/4	277.41	1/4	637.08	1/4	990.39	1/4	1,341.92	1/4	1,701.59	1/4	2,061.26	1/4	2,420.92	1/4	2,780.59	1/4	3,140.26	1/4	3,499.93
1/2	284.90	1/2	644.57	1/2	997.57	1/2	1,349.41	1/2	1,709.08	1/2	2,068.75	1/2	2,428.42	1/2	2,788.09	1/2	3,147.75	1/2	3,507.42
3/4	292.40	3/4	652.07	3/4	1,004.76	3/4	1,356.90	3/4	1,716.57	3/4	2,076.24	3/4	2,435.91	3/4	2,795.58	3/4	3,155.25	3/4	3,514.92
10	299.89	10	659.56	10	1,011.94	10	1,364.40	10	1,724.07	10	2,083.73	10	2,443.40	10	2,803.07	10	3,162.74	10	3,522.41
1/4	307.38	1/4	667.05	1/4	1,019.13	1/4	1,371.89	1/4	1,731.56	1/4	2,091.23	1/4	2,450.90	1/4	2,810.57	1/4	3,170.23	1/4	3,529.90
1/2	314.88	1/2	674.54	1/2	1,026.31	1/2	1,379.38	1/2	1,739.05	1/2	2,098.72	1/2	2,458.39	1/2	2,818.06	1/2	3,177.73	1/2	3,537.40
3/4	322.37	3/4	682.04	3/4	1,033.50	3/4	1,386.88	3/4	1,746.55	3/4	2,106.21	3/4	2,465.88	3/4	2,825.55	3/4	3,185.22	3/4	3,544.89
11	329.86	11	689.53	11	1,040.69	11	1,394.37	11	1,754.04	11	2,113.71	11	2,473.38	11	2,833.04	11	3,192.71	11	3,552.38
1/4	337.35	1/4	697.02	1/4	1,047.87	1/4	1,401.86	1/4	1,761.53	1/4	2,121.20	1/4	2,480.87	1/4	2,840.54	1/4	3,200.21	1/4	3,559.88
1/2	344.85	1/2	704.52	1/2	1,055.06	1/2	1,409.36	1/2	1,769.02	1/2	2,128.69	1/2	2,488.36	1/2	2,848.03	1/2	3,207.70	1/2	3,567.37
3/4	352.34	3/4	712.01	3/4	1,062.24	3/4	1,416.85	3/4	1,776.52	3/4	2,136.19	3/4	2,495.86	3/4	2,855.52	3/4	3,215.19	3/4	3,574.86

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 TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 29144"

2 PORT INNAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 314"

GAUGE HEIGHT 15'-09 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	3,582.35	0	3,942.02	0	4,300.99	0	4,659.61	0	5,016.57	0		0		0		0		0	
1/4	3,589.85	1/4	3,949.52	1/4	4,308.46	1/4	4,667.08	1/4	5,023.90	1/4		1/4		1/4		1/4		1/4	
1/2	3,597.34	1/2	3,957.01	1/2	4,315.93	1/2	4,674.55	1/2	5,031.23	1/2		1/2		1/2		1/2		1/2	
3/4	3,604.83	3/4	3,964.50	3/4	4,323.40	3/4	4,682.02	3/4	5,038.57	3/4		3/4		3/4		3/4		3/4	
1	3,612.33	1	3,972.00	1	4,330.88	1	4,689.49	1	5,045.90	1		1		1		1		1	
1/4	3,619.82	1/4	3,979.49	1/4	4,338.35	1/4	4,696.96	1/4	5,052.37	1/4		1/4		1/4		1/4		1/4	
1/2	3,627.31	1/2	3,986.98	1/2	4,345.82	1/2	4,704.44	1/2	5,058.84	1/2		1/2		1/2		1/2		1/2	
3/4	3,634.81	3/4	3,994.48	3/4	4,353.29	3/4	4,711.91	3/4	5,065.31	3/4		3/4		3/4		3/4		3/4	
2	3,642.30	2	4,001.97	2	4,360.76	2	4,719.38	2	5,071.78	2		2		2		2		2	
1/4	3,649.79	1/4	4,009.46	1/4	4,368.23	1/4	4,726.85	1/4	5,076.99	1/4		1/4		1/4		1/4		1/4	
1/2	3,657.29	1/2	4,016.95	1/2	4,375.70	1/2	4,734.32	1/2	5,082.21	1/2		1/2		1/2		1/2		1/2	
3/4	3,664.78	3/4	4,024.45	3/4	4,383.17	3/4	4,741.79	3/4	5,087.43	3/4		3/4		3/4		3/4		3/4	
3	3,672.27	3	4,031.94	3	4,390.65	3	4,749.26	3	5,092.65	3		3		3		3		3	
1/4	3,679.76	1/4	4,039.43	1/4	4,398.12	1/4	4,756.73	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,687.26	1/2	4,046.93	1/2	4,405.59	1/2	4,764.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,694.75	3/4	4,054.42	3/4	4,413.06	3/4	4,771.68	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,702.24	4	4,061.91	4	4,420.53	4	4,779.15	4		4		4		4		4		4	
1/4	3,709.74	1/4	4,069.38	1/4	4,428.00	1/4	4,786.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,717.23	1/2	4,076.86	1/2	4,435.47	1/2	4,794.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,724.72	3/4	4,084.33	3/4	4,442.94	3/4	4,801.56	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,732.22	5	4,091.80	5	4,450.42	5	4,809.03	5		5		5		5		5		5	
1/4	3,739.71	1/4	4,099.27	1/4	4,457.89	1/4	4,816.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,747.20	1/2	4,106.74	1/2	4,465.36	1/2	4,823.98	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,754.70	3/4	4,114.21	3/4	4,472.83	3/4	4,831.45	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,762.19	6	4,121.68	6	4,480.30	6	4,838.92	6		6		6		6		6		6	
1/4	3,769.68	1/4	4,129.15	1/4	4,487.77	1/4	4,846.32	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,777.18	1/2	4,136.62	1/2	4,495.24	1/2	4,853.73	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,784.67	3/4	4,144.10	3/4	4,502.71	3/4	4,861.13	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,792.16	7	4,151.57	7	4,510.18	7	4,868.54	7		7		7		7		7		7	
1/4	3,799.65	1/4	4,159.04	1/4	4,517.66	1/4	4,875.94	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,807.15	1/2	4,166.51	1/2	4,525.13	1/2	4,883.35	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,814.64	3/4	4,173.98	3/4	4,532.60	3/4	4,890.75	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,822.13	8	4,181.45	8	4,540.07	8	4,898.16	8		8		8		8		8		8	
1/4	3,829.63	1/4	4,188.92	1/4	4,547.54	1/4	4,905.56	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,837.12	1/2	4,196.39	1/2	4,555.01	1/2	4,912.97	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,844.61	3/4	4,203.87	3/4	4,562.48	3/4	4,920.37	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,852.11	9	4,211.34	9	4,569.95	9	4,927.78	9		9		9		9		9		9	
1/4	3,859.60	1/4	4,218.81	1/4	4,577.43	1/4	4,935.18	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,867.09	1/2	4,226.28	1/2	4,584.90	1/2	4,942.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,874.59	3/4	4,233.75	3/4	4,592.37	3/4	4,949.99	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,882.08	10	4,241.22	10	4,599.84	10	4,957.40	10		10		10		10		10		10	
1/4	3,889.57	1/4	4,248.69	1/4	4,607.31	1/4	4,964.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,897.06	1/2	4,256.16	1/2	4,614.78	1/2	4,972.20	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,904.56	3/4	4,263.64	3/4	4,622.25	3/4	4,979.60	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,912.05	11	4,271.11	11	4,629.72	11	4,987.00	11		11		11		11		11		11	
1/4	3,919.54	1/4	4,278.58	1/4	4,637.20	1/4	4,994.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,927.04	1/2	4,286.05	1/2	4,644.67	1/2	5,001.78	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,934.53	3/4	4,293.52	3/4	4,652.14	3/4	5,009.18	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/26/2019 CL
CALCULATED: 06/27/2019 CL
RENAMED: 06/15/2023 CL

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023



BARGE "CTC 29144"

2 STBD INNAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 314"

GAUGE HEIGHT 15'-09 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	15.37	0	360.30	0	720.43	0	1,080.17	0	1,440.20	0	1,800.33	0	2,160.47	0	2,520.60	0	2,880.67	0	3,240.70
1/4	20.06	1/4	367.80	1/4	727.94	1/4	1,087.65	1/4	1,447.70	1/4	1,807.84	1/4	2,167.97	1/4	2,528.10	1/4	2,888.18	1/4	3,248.20
1/2	24.75	1/2	375.31	1/2	735.44	1/2	1,095.14	1/2	1,455.20	1/2	1,815.34	1/2	2,175.47	1/2	2,535.61	1/2	2,895.68	1/2	3,255.70
3/4	29.44	3/4	382.81	3/4	742.94	3/4	1,102.63	3/4	1,462.71	3/4	1,822.84	3/4	2,182.98	3/4	2,543.11	3/4	2,903.18	3/4	3,263.21
1	34.13	1	390.31	1	750.45	1	1,110.12	1	1,470.21	1	1,830.34	1	2,190.48	1	2,550.61	1	2,910.68	1	3,270.71
1/4	40.69	1/4	397.81	1/4	757.95	1/4	1,117.62	1/4	1,477.71	1/4	1,837.85	1/4	2,197.98	1/4	2,558.12	1/4	2,918.18	1/4	3,278.21
1/2	47.26	1/2	405.32	1/2	765.45	1/2	1,125.11	1/2	1,485.22	1/2	1,845.35	1/2	2,205.48	1/2	2,565.62	1/2	2,925.68	1/2	3,285.71
3/4	53.82	3/4	412.82	3/4	772.95	3/4	1,132.61	3/4	1,492.72	3/4	1,852.85	3/4	2,212.99	3/4	2,573.12	3/4	2,933.18	3/4	3,293.21
2	60.38	2	420.32	2	780.46	2	1,140.11	2	1,500.22	2	1,860.36	2	2,220.49	2	2,580.62	2	2,940.68	2	3,300.71
1/4	67.85	1/4	427.83	1/4	787.96	1/4	1,147.61	1/4	1,507.72	1/4	1,867.86	1/4	2,227.99	1/4	2,588.13	1/4	2,948.18	1/4	3,308.21
1/2	75.31	1/2	435.33	1/2	795.46	1/2	1,155.10	1/2	1,515.23	1/2	1,875.36	1/2	2,235.50	1/2	2,595.63	1/2	2,955.68	1/2	3,315.71
3/4	82.78	3/4	442.83	3/4	802.97	3/4	1,162.60	3/4	1,522.73	3/4	1,882.86	3/4	2,243.00	3/4	2,603.13	3/4	2,963.18	3/4	3,323.21
3	90.25	3	450.33	3	810.47	3	1,170.10	3	1,530.23	3	1,890.37	3	2,250.50	3	2,610.64	3	2,970.68	3	3,330.71
1/4	97.74	1/4	457.84	1/4	817.97	1/4	1,177.60	1/4	1,537.74	1/4	1,897.87	1/4	2,258.00	1/4	2,618.14	1/4	2,978.18	1/4	3,338.21
1/2	105.23	1/2	465.34	1/2	825.47	1/2	1,185.10	1/2	1,545.24	1/2	1,905.37	1/2	2,265.51	1/2	2,625.64	1/2	2,985.68	1/2	3,345.71
3/4	112.72	3/4	472.84	3/4	832.98	3/4	1,192.61	3/4	1,552.74	3/4	1,912.88	3/4	2,273.01	3/4	2,633.14	3/4	2,993.18	3/4	3,353.21
4	120.22	4	480.35	4	840.48	4	1,200.11	4	1,560.24	4	1,920.38	4	2,280.51	4	2,640.65	4	3,000.68	4	3,360.71
1/4	127.72	1/4	487.85	1/4	847.98	1/4	1,207.61	1/4	1,567.75	1/4	1,927.88	1/4	2,288.02	1/4	2,648.15	1/4	3,008.19	1/4	3,368.21
1/2	135.22	1/2	495.35	1/2	855.49	1/2	1,215.11	1/2	1,575.25	1/2	1,935.38	1/2	2,295.52	1/2	2,655.65	1/2	3,015.69	1/2	3,375.71
3/4	142.72	3/4	502.85	3/4	862.99	3/4	1,222.62	3/4	1,582.75	3/4	1,942.89	3/4	2,303.02	3/4	2,663.16	3/4	3,023.19	3/4	3,383.22
5	150.22	5	510.36	5	870.49	5	1,230.12	5	1,590.25	5	1,950.39	5	2,310.52	5	2,670.66	5	3,030.69	5	3,390.72
1/4	157.72	1/4	517.86	1/4	877.98	1/4	1,237.62	1/4	1,597.76	1/4	1,957.89	1/4	2,318.03	1/4	2,678.16	1/4	3,038.19	1/4	3,398.22
1/2	165.23	1/2	525.36	1/2	885.47	1/2	1,245.13	1/2	1,605.26	1/2	1,965.39	1/2	2,325.53	1/2	2,685.66	1/2	3,045.69	1/2	3,405.72
3/4	172.73	3/4	532.86	3/4	892.96	3/4	1,252.63	3/4	1,612.76	3/4	1,972.90	3/4	2,333.03	3/4	2,693.16	3/4	3,053.19	3/4	3,413.22
6	180.23	6	540.37	6	900.44	6	1,260.13	6	1,620.27	6	1,980.40	6	2,340.53	6	2,700.66	6	3,060.69	6	3,420.72
1/4	187.74	1/4	547.87	1/4	907.93	1/4	1,267.63	1/4	1,627.77	1/4	1,987.90	1/4	2,348.04	1/4	2,708.16	1/4	3,068.19	1/4	3,428.22
1/2	195.24	1/2	555.37	1/2	915.42	1/2	1,275.14	1/2	1,635.27	1/2	1,995.41	1/2	2,355.54	1/2	2,715.66	1/2	3,075.69	1/2	3,435.72
3/4	202.74	3/4	562.88	3/4	922.91	3/4	1,282.64	3/4	1,642.77	3/4	2,002.91	3/4	2,363.04	3/4	2,723.16	3/4	3,083.19	3/4	3,443.22
7	210.24	7	570.38	7	930.40	7	1,290.14	7	1,650.28	7	2,010.41	7	2,370.55	7	2,730.66	7	3,090.69	7	3,450.72
1/4	217.75	1/4	577.88	1/4	937.89	1/4	1,297.65	1/4	1,657.78	1/4	2,017.91	1/4	2,378.05	1/4	2,738.16	1/4	3,098.19	1/4	3,458.22
1/2	225.25	1/2	585.38	1/2	945.37	1/2	1,305.15	1/2	1,665.28	1/2	2,025.42	1/2	2,385.55	1/2	2,745.66	1/2	3,105.69	1/2	3,465.72
3/4	232.75	3/4	592.89	3/4	952.86	3/4	1,312.65	3/4	1,672.79	3/4	2,032.92	3/4	2,393.05	3/4	2,753.16	3/4	3,113.19	3/4	3,473.22
8	240.26	8	600.39	8	960.35	8	1,320.15	8	1,680.29	8	2,040.42	8	2,400.56	8	2,760.67	8	3,120.69	8	3,480.72
1/4	247.76	1/4	607.89	1/4	967.84	1/4	1,327.66	1/4	1,687.79	1/4	2,047.93	1/4	2,408.06	1/4	2,768.17	1/4	3,128.19	1/4	3,488.22
1/2	255.26	1/2	615.40	1/2	975.33	1/2	1,335.16	1/2	1,695.29	1/2	2,055.43	1/2	2,415.56	1/2	2,775.67	1/2	3,135.70	1/2	3,495.72
3/4	262.76	3/4	622.90	3/4	982.82	3/4	1,342.66	3/4	1,702.80	3/4	2,062.93	3/4	2,423.07	3/4	2,783.17	3/4	3,143.20	3/4	3,503.22
9	270.27	9	630.40	9	990.31	9	1,350.17	9	1,710.30	9	2,070.43	9	2,430.57	9	2,790.67	9	3,150.70	9	3,510.73
1/4	277.77	1/4	637.90	1/4	997.79	1/4	1,357.67	1/4	1,717.80	1/4	2,077.94	1/4	2,438.07	1/4	2,798.17	1/4	3,158.20	1/4	3,518.23
1/2	285.27	1/2	645.41	1/2	1,005.28	1/2	1,365.17	1/2	1,725.31	1/2	2,085.44	1/2	2,445.57	1/2	2,805.67	1/2	3,165.70	1/2	3,525.73
3/4	292.78	3/4	652.91	3/4	1,012.77	3/4	1,372.67	3/4	1,732.81	3/4	2,092.94	3/4	2,453.08	3/4	2,813.17	3/4	3,173.20	3/4	3,533.23
10	300.28	10	660.41	10	1,020.26	10	1,380.18	10	1,740.31	10	2,100.45	10	2,460.58	10	2,820.67	10	3,180.70	10	3,540.73
1/4	307.78	1/4	667.92	1/4	1,027.75	1/4	1,387.68	1/4	1,747.81	1/4	2,107.95	1/4	2,468.08	1/4	2,828.17	1/4	3,188.20	1/4	3,548.23
1/2	315.28	1/2	675.42	1/2	1,035.24	1/2	1,395.18	1/2	1,755.32	1/2	2,115.45	1/2	2,475.59	1/2	2,835.67	1/2	3,195.70	1/2	3,555.73
3/4	322.79	3/4	682.92	3/4	1,042.72	3/4	1,402.68	3/4	1,762.82	3/4	2,122.95	3/4	2,483.09	3/4	2,843.17	3/4	3,203.20	3/4	3,563.23
11	330.29	11	690.42	11	1,050.21	11	1,410.19	11	1,770.32	11	2,130.46	11	2,490.59	11	2,850.67	11	3,210.70	11	3,570.73
1/4	337.79	1/4	697.93	1/4	1,057.70	1/4	1,417.69	1/4	1,777.82	1/4	2,137.96	1/4	2,498.09	1/4	2,858.17	1/4	3,218.20	1/4	3,578.23
1/2	345.29	1/2	705.43	1/2	1,065.19	1/2	1,425.19	1/2	1,785.33	1/2	2,145.46	1/2	2,505.60	1/2	2,865.67	1/2	3,225.70	1/2	3,585.73
3/4	352.80	3/4	712.93	3/4	1,072.68	3/4	1,432.70	3/4	1,792.83	3/4	2,152.96	3/4	2,513.10	3/4	2,873.17	3/4	3,233.20	3/4	3,593.23

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 29144"

2 STBD INNAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 314"

GAUGE HEIGHT 15'-09 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	3,600.73	0	3,960.76	0	4,320.10	0	4,679.08	0	5,036.26	0		0		0		0		0	
1/4	3,608.23	1/4	3,968.26	1/4	4,327.57	1/4	4,686.56	1/4	5,043.59	1/4		1/4		1/4		1/4		1/4	
1/2	3,615.73	1/2	3,975.76	1/2	4,335.05	1/2	4,694.04	1/2	5,050.93	1/2		1/2		1/2		1/2		1/2	
3/4	3,623.23	3/4	3,983.26	3/4	4,342.53	3/4	4,701.52	3/4	5,058.27	3/4		3/4		3/4		3/4		3/4	
1	3,630.73	1	3,990.76	1	4,350.01	1	4,709.00	1	5,065.60	1		1		1		1		1	
1/4	3,638.24	1/4	3,998.26	1/4	4,357.49	1/4	4,716.48	1/4	5,072.07	1/4		1/4		1/4		1/4		1/4	
1/2	3,645.74	1/2	4,005.76	1/2	4,364.97	1/2	4,723.96	1/2	5,078.54	1/2		1/2		1/2		1/2		1/2	
3/4	3,653.24	3/4	4,013.27	3/4	4,372.45	3/4	4,731.44	3/4	5,085.01	3/4		3/4		3/4		3/4		3/4	
2	3,660.74	2	4,020.77	2	4,379.93	2	4,738.91	2	5,091.48	2		2		2		2		2	
1/4	3,668.24	1/4	4,028.27	1/4	4,387.41	1/4	4,746.39	1/4	5,096.70	1/4		1/4		1/4		1/4		1/4	
1/2	3,675.74	1/2	4,035.77	1/2	4,394.88	1/2	4,753.87	1/2	5,101.92	1/2		1/2		1/2		1/2		1/2	
3/4	3,683.24	3/4	4,043.27	3/4	4,402.36	3/4	4,761.35	3/4	5,107.13	3/4		3/4		3/4		3/4		3/4	
3	3,690.74	3	4,050.77	3	4,409.84	3	4,768.83	3	5,112.35	3		3		3		3		3	
1/4	3,698.24	1/4	4,058.27	1/4	4,417.32	1/4	4,776.31	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,705.74	1/2	4,065.77	1/2	4,424.80	1/2	4,783.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,713.24	3/4	4,073.27	3/4	4,432.28	3/4	4,791.27	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,720.74	4	4,080.77	4	4,439.76	4	4,798.75	4		4		4		4		4		4	
1/4	3,728.24	1/4	4,088.25	1/4	4,447.24	1/4	4,806.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,735.74	1/2	4,095.73	1/2	4,454.72	1/2	4,813.70	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,743.24	3/4	4,103.21	3/4	4,462.19	3/4	4,821.18	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,750.74	5	4,110.69	5	4,469.67	5	4,828.66	5		5		5		5		5		5	
1/4	3,758.24	1/4	4,118.17	1/4	4,477.15	1/4	4,836.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,765.75	1/2	4,125.64	1/2	4,484.63	1/2	4,843.62	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,773.25	3/4	4,133.12	3/4	4,492.11	3/4	4,851.10	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,780.75	6	4,140.60	6	4,499.59	6	4,858.58	6		6		6		6		6		6	
1/4	3,788.25	1/4	4,148.08	1/4	4,507.07	1/4	4,865.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,795.75	1/2	4,155.56	1/2	4,514.55	1/2	4,873.39	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,803.25	3/4	4,163.04	3/4	4,522.03	3/4	4,880.79	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,810.75	7	4,170.52	7	4,529.50	7	4,888.20	7		7		7		7		7		7	
1/4	3,818.25	1/4	4,178.00	1/4	4,536.98	1/4	4,895.60	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,825.75	1/2	4,185.48	1/2	4,544.46	1/2	4,903.01	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,833.25	3/4	4,192.95	3/4	4,551.94	3/4	4,910.41	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,840.75	8	4,200.43	8	4,559.42	8	4,917.82	8		8		8		8		8		8	
1/4	3,848.25	1/4	4,207.91	1/4	4,566.90	1/4	4,925.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,855.75	1/2	4,215.39	1/2	4,574.38	1/2	4,932.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,863.25	3/4	4,222.87	3/4	4,581.86	3/4	4,940.03	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,870.75	9	4,230.35	9	4,589.34	9	4,947.44	9		9		9		9		9		9	
1/4	3,878.25	1/4	4,237.83	1/4	4,596.81	1/4	4,954.84	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,885.76	1/2	4,245.31	1/2	4,604.29	1/2	4,962.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,893.26	3/4	4,252.79	3/4	4,611.77	3/4	4,969.66	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,900.76	10	4,260.26	10	4,619.25	10	4,977.07	10		10		10		10		10		10	
1/4	3,908.26	1/4	4,267.74	1/4	4,626.73	1/4	4,984.47	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,915.76	1/2	4,275.22	1/2	4,634.21	1/2	4,991.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,923.26	3/4	4,282.70	3/4	4,641.69	3/4	4,999.28	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,930.76	11	4,290.18	11	4,649.17	11	5,006.69	11		11		11		11		11		11	
1/4	3,938.26	1/4	4,297.66	1/4	4,656.65	1/4	5,014.08	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,945.76	1/2	4,305.14	1/2	4,664.12	1/2	5,021.47	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,953.26	3/4	4,312.62	3/4	4,671.60	3/4	5,028.87	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/26/2019 CL
CALCULATED: 06/27/2019 CL
RENAMED: 06/15/2023 CL

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023



BARGE "CTC 29144"

**3 PORT
INNAGE TABLE**

**HERMETIC
GAUGE HEIGHT 15'-09 1/4"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 314"

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	15.28	0	357.98	0	715.34	0	1,063.03	0	1,416.38	0	1,773.42	0	2,129.75	0	2,486.78	0	2,843.53	0	3,200.26
1/4	19.94	1/4	365.43	1/4	722.78	1/4	1,070.18	1/4	1,423.82	1/4	1,780.85	1/4	2,137.18	1/4	2,494.21	1/4	2,850.96	1/4	3,207.66
1/2	24.60	1/2	372.87	1/2	730.23	1/2	1,077.33	1/2	1,431.26	1/2	1,788.27	1/2	2,144.62	1/2	2,501.65	1/2	2,858.39	1/2	3,215.06
3/4	29.26	3/4	380.32	3/4	737.67	3/4	1,084.48	3/4	1,438.70	3/4	1,795.69	3/4	2,152.06	3/4	2,509.08	3/4	2,865.82	3/4	3,222.46
1	33.92	1	387.76	1	745.12	1	1,091.62	1	1,446.14	1	1,802.12	1	2,159.49	1	2,516.51	1	2,873.26	1	3,229.87
1/4	40.44	1/4	395.21	1/4	752.56	1/4	1,098.84	1/4	1,453.58	1/4	1,810.54	1/4	2,166.93	1/4	2,523.94	1/4	2,880.69	1/4	3,237.27
1/2	46.97	1/2	402.65	1/2	760.01	1/2	1,106.06	1/2	1,461.02	1/2	1,817.96	1/2	2,174.37	1/2	2,531.38	1/2	2,888.12	1/2	3,244.67
3/4	53.49	3/4	410.10	3/4	767.45	3/4	1,113.28	3/4	1,468.46	3/4	1,825.39	3/4	2,181.80	3/4	2,538.81	3/4	2,895.55	3/4	3,252.08
2	60.01	2	417.54	2	774.90	2	1,120.50	2	1,475.90	2	1,832.81	2	2,189.24	2	2,546.24	2	2,902.98	2	3,259.48
1/4	67.43	1/4	424.99	1/4	782.34	1/4	1,127.72	1/4	1,483.34	1/4	1,840.24	1/4	2,196.67	1/4	2,553.68	1/4	2,910.41	1/4	3,266.88
1/2	74.85	1/2	432.43	1/2	789.79	1/2	1,134.94	1/2	1,490.78	1/2	1,847.66	1/2	2,204.11	1/2	2,561.11	1/2	2,917.85	1/2	3,274.29
3/4	82.27	3/4	439.88	3/4	797.23	3/4	1,142.15	3/4	1,498.22	3/4	1,855.08	3/4	2,211.55	3/4	2,568.54	3/4	2,925.28	3/4	3,281.69
3	89.69	3	447.32	3	804.68	3	1,149.37	3	1,505.66	3	1,862.51	3	2,218.98	3	2,575.98	3	2,932.71	3	3,289.09
1/4	97.14	1/4	454.77	1/4	812.06	1/4	1,156.61	1/4	1,513.10	1/4	1,869.93	1/4	2,226.42	1/4	2,583.41	1/4	2,940.14	1/4	3,296.50
1/2	104.58	1/2	462.21	1/2	819.44	1/2	1,163.84	1/2	1,520.54	1/2	1,877.35	1/2	2,233.86	1/2	2,590.84	1/2	2,947.57	1/2	3,303.90
3/4	112.03	3/4	469.66	3/4	826.82	3/4	1,171.07	3/4	1,527.98	3/4	1,884.78	3/4	2,241.29	3/4	2,598.27	3/4	2,955.01	3/4	3,311.30
4	119.48	4	477.10	4	834.20	4	1,178.30	4	1,535.42	4	1,892.20	4	2,248.73	4	2,605.71	4	2,962.44	4	3,318.71
1/4	126.93	1/4	484.55	1/4	841.37	1/4	1,185.74	1/4	1,542.85	1/4	1,899.62	1/4	2,256.17	1/4	2,613.14	1/4	2,969.87	1/4	3,326.11
1/2	134.39	1/2	491.99	1/2	848.54	1/2	1,193.18	1/2	1,550.29	1/2	1,907.05	1/2	2,263.60	1/2	2,620.57	1/2	2,977.30	1/2	3,333.51
3/4	141.84	3/4	499.44	3/4	855.71	3/4	1,200.62	3/4	1,557.73	3/4	1,914.47	3/4	2,271.04	3/4	2,628.01	3/4	2,984.73	3/4	3,340.92
5	149.30	5	506.88	5	862.88	5	1,208.06	5	1,565.17	5	1,921.89	5	2,278.48	5	2,635.44	5	2,992.16	5	3,348.32
1/4	156.75	1/4	514.33	1/4	870.03	1/4	1,215.50	1/4	1,572.61	1/4	1,929.32	1/4	2,285.92	1/4	2,642.87	1/4	2,999.60	1/4	3,355.72
1/2	164.21	1/2	521.77	1/2	877.18	1/2	1,222.94	1/2	1,580.05	1/2	1,936.74	1/2	2,293.36	1/2	2,650.30	1/2	3,007.03	1/2	3,363.12
3/4	171.67	3/4	529.22	3/4	884.33	3/4	1,230.38	3/4	1,587.49	3/4	1,944.16	3/4	2,300.80	3/4	2,657.73	3/4	3,014.46	3/4	3,370.52
6	179.12	6	536.66	6	891.48	6	1,237.82	6	1,594.93	6	1,951.59	6	2,308.24	6	2,665.17	6	3,021.89	6	3,377.92
1/4	186.58	1/4	544.11	1/4	898.62	1/4	1,245.26	1/4	1,602.37	1/4	1,959.01	1/4	2,315.69	1/4	2,672.60	1/4	3,029.32	1/4	3,385.31
1/2	194.03	1/2	551.55	1/2	905.77	1/2	1,252.70	1/2	1,609.81	1/2	1,966.43	1/2	2,323.13	1/2	2,680.03	1/2	3,036.76	1/2	3,392.70
3/4	201.49	3/4	559.00	3/4	912.92	3/4	1,260.14	3/4	1,617.25	3/4	1,973.86	3/4	2,330.57	3/4	2,687.46	3/4	3,044.19	3/4	3,400.09
7	208.95	7	566.44	7	920.07	7	1,267.58	7	1,624.69	7	1,981.28	7	2,338.01	7	2,694.89	7	3,051.62	7	3,407.47
1/4	216.40	1/4	573.89	1/4	927.22	1/4	1,275.02	1/4	1,632.13	1/4	1,988.71	1/4	2,345.45	1/4	2,702.32	1/4	3,059.05	1/4	3,414.64
1/2	223.86	1/2	581.33	1/2	934.36	1/2	1,282.46	1/2	1,639.57	1/2	1,996.13	1/2	2,352.90	1/2	2,709.76	1/2	3,066.48	1/2	3,421.80
3/4	231.32	3/4	588.78	3/4	941.51	3/4	1,289.90	3/4	1,647.01	3/4	2,003.55	3/4	2,360.34	3/4	2,717.19	3/4	3,073.91	3/4	3,428.96
8	238.77	8	596.22	8	948.66	8	1,297.34	8	1,654.45	8	2,010.98	8	2,367.78	8	2,724.62	8	3,081.35	8	3,436.13
1/4	246.23	1/4	603.67	1/4	955.81	1/4	1,304.78	1/4	1,661.89	1/4	2,018.40	1/4	2,375.22	1/4	2,732.05	1/4	3,088.78	1/4	3,442.81
1/2	253.69	1/2	611.11	1/2	962.96	1/2	1,312.22	1/2	1,669.33	1/2	2,025.82	1/2	2,382.66	1/2	2,739.48	1/2	3,096.21	1/2	3,449.49
3/4	261.14	3/4	618.56	3/4	970.11	3/4	1,319.66	3/4	1,676.77	3/4	2,033.25	3/4	2,390.11	3/4	2,746.92	3/4	3,103.64	3/4	3,456.18
9	268.60	9	626.00	9	977.25	9	1,327.10	9	1,684.21	9	2,040.67	9	2,397.55	9	2,754.35	9	3,111.07	9	3,462.86
1/4	276.06	1/4	633.44	1/4	984.40	1/4	1,334.54	1/4	1,691.65	1/4	2,048.09	1/4	2,404.99	1/4	2,761.78	1/4	3,118.51	1/4	3,469.07
1/2	283.51	1/2	640.89	1/2	991.55	1/2	1,341.98	1/2	1,699.09	1/2	2,055.50	1/2	2,412.43	1/2	2,769.21	1/2	3,125.94	1/2	3,475.27
3/4	290.97	3/4	648.33	3/4	998.70	3/4	1,349.42	3/4	1,706.53	3/4	2,062.92	3/4	2,419.88	3/4	2,776.64	3/4	3,133.37	3/4	3,481.48
10	298.42	10	655.78	10	1,005.85	10	1,356.86	10	1,713.97	10	2,070.34	10	2,427.32	10	2,784.07	10	3,140.80	10	3,487.69
1/4	305.87	1/4	663.22	1/4	1,012.99	1/4	1,364.30	1/4	1,721.41	1/4	2,077.75	1/4	2,434.75	1/4	2,791.51	1/4	3,148.23	1/4	3,493.43
1/2	313.31	1/2	670.67	1/2	1,020.14	1/2	1,371.74	1/2	1,728.85	1/2	2,085.17	1/2	2,442.18	1/2	2,798.94	1/2	3,155.66	1/2	3,499.17
3/4	320.76	3/4	678.11	3/4	1,027.29	3/4	1,379.18	3/4	1,736.29	3/4	2,092.59	3/4	2,449.62	3/4	2,806.37	3/4	3,163.10	3/4	3,504.91
11	328.20	11	685.56	11	1,034.44	11	1,386.62	11	1,743.73	11	2,100.00	11	2,457.05	11	2,813.80	11	3,170.53	11	3,510.64
1/4	335.65	1/4	693.00	1/4	1,041.59	1/4	1,394.06	1/4	1,751.15	1/4	2,107.44	1/4	2,464.48	1/4	2,821.23	1/4	3,177.96	1/4	3,515.90
1/2	343.09	1/2	700.45	1/2	1,048.74	1/2	1,401.50	1/2	1,758.58	1/2	2,114.87	1/2	2,471.91	1/2	2,828.67	1/2	3,185.39	1/2	3,521.16
3/4	350.54	3/4	707.89	3/4	1,055.88	3/4	1,408.94	3/4	1,766.00	3/4	2,122.31	3/4	2,479.35	3/4	2,836.10	3/4	3,192.82	3/4	3,526.42

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 TO TOP LIP OF 2" HERMETIC VALVE.
 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 29144"

3 PORT INNAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 314"

GAUGE HEIGHT 15'-09 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	3,531.68	0	3,752.35	0	3,971.64	0	4,190.73	0	4,408.73	0		0		0		0		0	
1/4	3,536.50	1/4	3,756.92	1/4	3,976.21	1/4	4,195.30	1/4	4,413.21	1/4		1/4		1/4		1/4		1/4	
1/2	3,541.32	1/2	3,761.50	1/2	3,980.77	1/2	4,199.86	1/2	4,417.68	1/2		1/2		1/2		1/2		1/2	
3/4	3,546.13	3/4	3,766.08	3/4	3,985.34	3/4	4,204.43	3/4	4,422.16	3/4		3/4		3/4		3/4		3/4	
1	3,550.95	1	3,770.66	1	3,989.90	1	4,208.99	1	4,426.64	1		1		1		1		1	
1/4	3,555.53	1/4	3,775.23	1/4	3,994.46	1/4	4,213.56	1/4	4,430.59	1/4		1/4		1/4		1/4		1/4	
1/2	3,560.10	1/2	3,779.81	1/2	3,999.03	1/2	4,218.12	1/2	4,434.53	1/2		1/2		1/2		1/2		1/2	
3/4	3,564.68	3/4	3,784.39	3/4	4,003.59	3/4	4,222.68	3/4	4,438.48	3/4		3/4		3/4		3/4		3/4	
2	3,569.26	2	3,788.96	2	4,008.16	2	4,227.25	2	4,442.43	2		2		2		2		2	
1/4	3,573.84	1/4	3,793.54	1/4	4,012.72	1/4	4,231.81	1/4	4,445.62	1/4		1/4		1/4		1/4		1/4	
1/2	3,578.41	1/2	3,798.12	1/2	4,017.29	1/2	4,236.38	1/2	4,448.80	1/2		1/2		1/2		1/2		1/2	
3/4	3,582.99	3/4	3,802.70	3/4	4,021.85	3/4	4,240.94	3/4	4,451.99	3/4		3/4		3/4		3/4		3/4	
3	3,587.57	3	3,807.27	3	4,026.42	3	4,245.51	3	4,455.17	3		3		3		3		3	
1/4	3,592.14	1/4	3,811.85	1/4	4,030.98	1/4	4,250.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,596.72	1/2	3,816.43	1/2	4,035.54	1/2	4,254.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,601.30	3/4	3,821.00	3/4	4,040.11	3/4	4,259.20	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,605.88	4	3,825.58	4	4,044.67	4	4,263.76	4		4		4		4		4		4	
1/4	3,610.45	1/4	3,830.15	1/4	4,049.24	1/4	4,268.33	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,615.03	1/2	3,834.71	1/2	4,053.80	1/2	4,272.89	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,619.61	3/4	3,839.28	3/4	4,058.37	3/4	4,277.46	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,624.19	5	3,843.84	5	4,062.93	5	4,282.02	5		5		5		5		5		5	
1/4	3,628.76	1/4	3,848.40	1/4	4,067.50	1/4	4,286.59	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,633.34	1/2	3,852.97	1/2	4,072.06	1/2	4,291.15	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,637.92	3/4	3,857.53	3/4	4,076.62	3/4	4,295.72	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,642.49	6	3,862.10	6	4,081.19	6	4,300.28	6		6		6		6		6		6	
1/4	3,647.07	1/4	3,866.66	1/4	4,085.75	1/4	4,304.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,651.65	1/2	3,871.23	1/2	4,090.32	1/2	4,309.32	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,656.23	3/4	3,875.79	3/4	4,094.88	3/4	4,313.84	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,660.80	7	3,880.35	7	4,099.45	7	4,318.36	7		7		7		7		7		7	
1/4	3,665.38	1/4	3,884.92	1/4	4,104.01	1/4	4,322.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,669.96	1/2	3,889.48	1/2	4,108.57	1/2	4,327.40	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,674.53	3/4	3,894.05	3/4	4,113.14	3/4	4,331.92	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,679.11	8	3,898.61	8	4,117.70	8	4,336.44	8		8		8		8		8		8	
1/4	3,683.69	1/4	3,903.18	1/4	4,122.27	1/4	4,340.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,688.27	1/2	3,907.74	1/2	4,126.83	1/2	4,345.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,692.84	3/4	3,912.31	3/4	4,131.40	3/4	4,350.00	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,697.42	9	3,916.87	9	4,135.96	9	4,354.52	9		9		9		9		9		9	
1/4	3,702.00	1/4	3,921.43	1/4	4,140.53	1/4	4,359.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,706.57	1/2	3,926.00	1/2	4,145.09	1/2	4,363.56	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,711.15	3/4	3,930.56	3/4	4,149.65	3/4	4,368.08	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,715.73	10	3,935.13	10	4,154.22	10	4,372.60	10		10		10		10		10		10	
1/4	3,720.31	1/4	3,939.69	1/4	4,158.78	1/4	4,377.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,724.88	1/2	3,944.26	1/2	4,163.35	1/2	4,381.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,729.46	3/4	3,948.82	3/4	4,167.91	3/4	4,386.16	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,734.04	11	3,953.39	11	4,172.48	11	4,390.68	11		11		11		11		11		11	
1/4	3,738.62	1/4	3,957.95	1/4	4,177.04	1/4	4,395.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,743.19	1/2	3,962.51	1/2	4,181.61	1/2	4,399.71	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,747.77	3/4	3,967.08	3/4	4,186.17	3/4	4,404.22	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/26/2019 CL
CALCULATED: 06/27/2019 CL
RENAMED: 06/15/2023 CL

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023



BARGE "CTC 29144"

3 STBD INNAGE TABLE

HERMETIC GAUGE HEIGHT 15'-09"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 314"

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	357.70	0	715.24	0	1,072.38	0	1,429.83	0	1,787.37	0	2,144.92	0	2,502.39	0	2,859.47	0	3,216.53
1/4	19.92	1/4	365.15	1/4	722.69	1/4	1,079.81	1/4	1,437.27	1/4	1,794.82	1/4	2,152.37	1/4	2,509.83	1/4	2,866.91	1/4	3,223.94
1/2	24.57	1/2	372.60	1/2	730.14	1/2	1,087.25	1/2	1,444.72	1/2	1,802.27	1/2	2,159.82	1/2	2,517.27	1/2	2,874.35	1/2	3,231.35
3/4	29.23	3/4	380.05	3/4	737.59	3/4	1,094.68	3/4	1,452.17	3/4	1,809.72	3/4	2,167.27	3/4	2,524.71	3/4	2,881.79	3/4	3,238.76
1	33.88	1	387.50	1	745.04	1	1,102.12	1	1,459.62	1	1,817.17	1	2,174.72	1	2,532.15	1	2,889.23	1	3,246.17
1/4	40.40	1/4	394.95	1/4	752.48	1/4	1,109.56	1/4	1,467.07	1/4	1,824.62	1/4	2,182.16	1/4	2,539.59	1/4	2,896.67	1/4	3,253.58
1/2	46.92	1/2	402.40	1/2	759.93	1/2	1,117.00	1/2	1,474.52	1/2	1,832.07	1/2	2,189.61	1/2	2,547.03	1/2	2,904.11	1/2	3,260.99
3/4	53.43	3/4	409.84	3/4	767.38	3/4	1,124.45	3/4	1,481.97	3/4	1,839.51	3/4	2,197.06	3/4	2,554.47	3/4	2,911.54	3/4	3,268.40
2	59.95	2	417.29	2	774.83	2	1,131.89	2	1,489.42	2	1,846.96	2	2,204.51	2	2,561.91	2	2,918.98	2	3,275.81
1/4	67.36	1/4	424.74	1/4	782.28	1/4	1,139.33	1/4	1,496.87	1/4	1,854.41	1/4	2,211.96	1/4	2,569.35	1/4	2,926.42	1/4	3,283.22
1/2	74.77	1/2	432.19	1/2	789.73	1/2	1,146.78	1/2	1,504.31	1/2	1,861.86	1/2	2,219.41	1/2	2,576.79	1/2	2,933.86	1/2	3,290.63
3/4	82.19	3/4	439.64	3/4	797.18	3/4	1,154.22	3/4	1,511.76	3/4	1,869.31	3/4	2,226.86	3/4	2,584.23	3/4	2,941.30	3/4	3,298.04
3	89.60	3	447.09	3	804.63	3	1,161.67	3	1,519.21	3	1,876.76	3	2,234.31	3	2,591.67	3	2,948.74	3	3,305.45
1/4	97.04	1/4	454.54	1/4	812.07	1/4	1,169.11	1/4	1,526.66	1/4	1,884.21	1/4	2,241.76	1/4	2,599.11	1/4	2,956.18	1/4	3,312.86
1/2	104.47	1/2	461.99	1/2	819.52	1/2	1,176.56	1/2	1,534.11	1/2	1,891.66	1/2	2,249.20	1/2	2,606.55	1/2	2,963.62	1/2	3,320.27
3/4	111.91	3/4	469.43	3/4	826.97	3/4	1,184.01	3/4	1,541.56	3/4	1,899.11	3/4	2,256.65	3/4	2,613.99	3/4	2,971.05	3/4	3,327.68
4	119.35	4	476.88	4	834.42	4	1,191.46	4	1,549.01	4	1,906.56	4	2,264.10	4	2,621.43	4	2,978.49	4	3,335.09
1/4	126.80	1/4	484.33	1/4	841.87	1/4	1,198.91	1/4	1,556.46	1/4	1,914.00	1/4	2,271.55	1/4	2,628.87	1/4	2,985.93	1/4	3,342.50
1/2	134.25	1/2	491.78	1/2	849.32	1/2	1,206.36	1/2	1,563.91	1/2	1,921.45	1/2	2,279.00	1/2	2,636.31	1/2	2,993.37	1/2	3,349.91
3/4	141.69	3/4	499.23	3/4	856.77	3/4	1,213.81	3/4	1,571.35	3/4	1,928.90	3/4	2,286.45	3/4	2,643.75	3/4	3,000.81	3/4	3,357.32
5	149.14	5	506.68	5	864.22	5	1,221.26	5	1,578.80	5	1,936.35	5	2,293.90	5	2,651.19	5	3,008.25	5	3,364.73
1/4	156.59	1/4	514.13	1/4	871.65	1/4	1,228.71	1/4	1,586.25	1/4	1,943.80	1/4	2,301.35	1/4	2,658.63	1/4	3,015.69	1/4	3,372.14
1/2	164.04	1/2	521.58	1/2	879.08	1/2	1,236.15	1/2	1,593.70	1/2	1,951.25	1/2	2,308.80	1/2	2,666.07	1/2	3,023.13	1/2	3,379.54
3/4	171.49	3/4	529.02	3/4	886.52	3/4	1,243.60	3/4	1,601.15	3/4	1,958.70	3/4	2,316.24	3/4	2,673.51	3/4	3,030.56	3/4	3,386.95
6	178.94	6	536.47	6	893.95	6	1,251.05	6	1,608.60	6	1,966.15	6	2,323.69	6	2,680.95	6	3,038.00	6	3,394.36
1/4	186.38	1/4	543.92	1/4	901.39	1/4	1,258.50	1/4	1,616.05	1/4	1,973.60	1/4	2,331.14	1/4	2,688.38	1/4	3,045.44	1/4	3,401.75
1/2	193.83	1/2	551.37	1/2	908.82	1/2	1,265.95	1/2	1,623.50	1/2	1,981.04	1/2	2,338.59	1/2	2,695.82	1/2	3,052.88	1/2	3,409.15
3/4	201.28	3/4	558.82	3/4	916.26	3/4	1,273.40	3/4	1,630.95	3/4	1,988.49	3/4	2,346.04	3/4	2,703.26	3/4	3,060.32	3/4	3,416.55
7	208.73	7	566.27	7	923.69	7	1,280.85	7	1,638.39	7	1,995.94	7	2,353.49	7	2,710.70	7	3,067.76	7	3,423.94
1/4	216.18	1/4	573.72	1/4	931.13	1/4	1,288.30	1/4	1,645.84	1/4	2,003.39	1/4	2,360.94	1/4	2,718.14	1/4	3,075.20	1/4	3,431.11
1/2	223.63	1/2	581.16	1/2	938.56	1/2	1,295.75	1/2	1,653.29	1/2	2,010.84	1/2	2,368.39	1/2	2,725.58	1/2	3,082.63	1/2	3,438.28
3/4	231.08	3/4	588.61	3/4	945.99	3/4	1,303.19	3/4	1,660.74	3/4	2,018.29	3/4	2,375.84	3/4	2,733.02	3/4	3,090.07	3/4	3,445.45
8	238.52	8	596.06	8	953.43	8	1,310.64	8	1,668.19	8	2,025.74	8	2,383.28	8	2,740.45	8	3,097.51	8	3,452.62
1/4	245.97	1/4	603.51	1/4	960.86	1/4	1,318.09	1/4	1,675.64	1/4	2,033.19	1/4	2,390.73	1/4	2,747.89	1/4	3,104.95	1/4	3,459.31
1/2	253.42	1/2	610.96	1/2	968.30	1/2	1,325.54	1/2	1,683.09	1/2	2,040.64	1/2	2,398.18	1/2	2,755.33	1/2	3,112.39	1/2	3,466.01
3/4	260.87	3/4	618.41	3/4	975.73	3/4	1,332.99	3/4	1,690.54	3/4	2,048.08	3/4	2,405.63	3/4	2,762.77	3/4	3,119.83	3/4	3,472.70
9	268.32	9	625.86	9	983.17	9	1,340.44	9	1,697.99	9	2,055.53	9	2,413.08	9	2,770.21	9	3,127.27	9	3,479.39
1/4	275.77	1/4	633.31	1/4	990.60	1/4	1,347.89	1/4	1,705.43	1/4	2,062.98	1/4	2,420.53	1/4	2,777.65	1/4	3,134.71	1/4	3,485.60
1/2	283.22	1/2	640.75	1/2	998.03	1/2	1,355.34	1/2	1,712.88	1/2	2,070.43	1/2	2,427.98	1/2	2,785.09	1/2	3,142.14	1/2	3,491.81
3/4	290.67	3/4	648.20	3/4	1,005.47	3/4	1,362.79	3/4	1,720.33	3/4	2,077.88	3/4	2,435.43	3/4	2,792.53	3/4	3,149.58	3/4	3,498.03
10	298.11	10	655.65	10	1,012.90	10	1,370.23	10	1,727.78	10	2,085.33	10	2,442.88	10	2,799.96	10	3,157.02	10	3,504.24
1/4	305.56	1/4	663.10	1/4	1,020.34	1/4	1,377.68	1/4	1,735.23	1/4	2,092.78	1/4	2,450.32	1/4	2,807.40	1/4	3,164.46	1/4	3,509.97
1/2	313.01	1/2	670.55	1/2	1,027.77	1/2	1,385.13	1/2	1,742.68	1/2	2,100.23	1/2	2,457.76	1/2	2,814.84	1/2	3,171.90	1/2	3,515.71
3/4	320.46	3/4	678.00	3/4	1,035.21	3/4	1,392.58	3/4	1,750.13	3/4	2,107.68	3/4	2,465.20	3/4	2,822.28	3/4	3,179.34	3/4	3,521.44
11	327.91	11	685.45	11	1,042.64	11	1,400.03	11	1,757.58	11	2,115.12	11	2,472.64	11	2,829.72	11	3,186.78	11	3,527.17
1/4	335.36	1/4	692.90	1/4	1,050.08	1/4	1,407.48	1/4	1,765.03	1/4	2,122.57	1/4	2,480.07	1/4	2,837.16	1/4	3,194.22	1/4	3,532.43
1/2	342.81	1/2	700.34	1/2	1,057.51	1/2	1,414.93	1/2	1,772.47	1/2	2,130.02	1/2	2,487.51	1/2	2,844.60	1/2	3,201.65	1/2	3,537.68
3/4	350.26	3/4	707.79	3/4	1,064.94	3/4	1,422.38	3/4	1,779.92	3/4	2,137.47	3/4	2,494.95	3/4	2,852.04	3/4	3,209.09	3/4	3,542.94

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 TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 29144"

**3 STBD
INNAGE TABLE
HERMETIC
GAUGE HEIGHT 15'-09"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 314"

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	3,548.19	0	3,768.66	0	3,987.76	0	4,206.66	0	4,424.45	0		0		0		0		0	
1/4	3,553.00	1/4	3,773.23	1/4	3,992.32	1/4	4,211.22	1/4	4,428.92	1/4		1/4		1/4		1/4		1/4	
1/2	3,557.82	1/2	3,777.80	1/2	3,996.88	1/2	4,215.78	1/2	4,433.40	1/2		1/2		1/2		1/2		1/2	
3/4	3,562.63	3/4	3,782.38	3/4	4,001.44	3/4	4,220.34	3/4	4,437.87	3/4		3/4		3/4		3/4		3/4	
1	3,567.44	1	3,786.95	1	4,006.00	1	4,224.90	1	4,442.34	1		1		1		1		1	
1/4	3,572.01	1/4	3,791.52	1/4	4,010.56	1/4	4,229.46	1/4	4,446.29	1/4		1/4		1/4		1/4		1/4	
1/2	3,576.59	1/2	3,796.10	1/2	4,015.12	1/2	4,234.02	1/2	4,450.23	1/2		1/2		1/2		1/2		1/2	
3/4	3,581.16	3/4	3,800.67	3/4	4,019.68	3/4	4,238.58	3/4	4,454.18	3/4		3/4		3/4		3/4		3/4	
2	3,585.73	2	3,805.24	2	4,024.24	2	4,243.14	2	4,458.12	2		2		2		2		2	
1/4	3,590.31	1/4	3,809.82	1/4	4,028.80	1/4	4,247.70	1/4	4,461.30	1/4		1/4		1/4		1/4		1/4	
1/2	3,594.88	1/2	3,814.39	1/2	4,033.36	1/2	4,252.26	1/2	4,464.49	1/2		1/2		1/2		1/2		1/2	
3/4	3,599.45	3/4	3,818.96	3/4	4,037.92	3/4	4,256.82	3/4	4,467.67	3/4		3/4		3/4		3/4		3/4	
3	3,604.03	3	3,823.53	3	4,042.48	3	4,261.38	3	4,470.85	3		3		3		3		3	
1/4	3,608.60	1/4	3,828.11	1/4	4,047.05	1/4	4,265.94	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,613.17	1/2	3,832.68	1/2	4,051.61	1/2	4,270.50	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,617.75	3/4	3,837.25	3/4	4,056.17	3/4	4,275.07	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,622.32	4	3,841.83	4	4,060.73	4	4,279.63	4		4		4		4		4		4	
1/4	3,626.89	1/4	3,846.39	1/4	4,065.29	1/4	4,284.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,631.46	1/2	3,850.95	1/2	4,069.85	1/2	4,288.75	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,636.04	3/4	3,855.51	3/4	4,074.41	3/4	4,293.31	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,640.61	5	3,860.07	5	4,078.97	5	4,297.87	5		5		5		5		5		5	
1/4	3,645.18	1/4	3,864.63	1/4	4,083.53	1/4	4,302.43	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,649.76	1/2	3,869.19	1/2	4,088.09	1/2	4,306.99	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,654.33	3/4	3,873.75	3/4	4,092.65	3/4	4,311.55	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,658.90	6	3,878.31	6	4,097.21	6	4,316.11	6		6		6		6		6		6	
1/4	3,663.48	1/4	3,882.87	1/4	4,101.77	1/4	4,320.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,668.05	1/2	3,887.43	1/2	4,106.33	1/2	4,325.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,672.62	3/4	3,891.99	3/4	4,110.89	3/4	4,329.66	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,677.20	7	3,896.55	7	4,115.45	7	4,334.17	7		7		7		7		7		7	
1/4	3,681.77	1/4	3,901.11	1/4	4,120.01	1/4	4,338.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,686.34	1/2	3,905.67	1/2	4,124.57	1/2	4,343.20	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,690.91	3/4	3,910.23	3/4	4,129.13	3/4	4,347.72	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,695.49	8	3,914.79	8	4,133.69	8	4,352.23	8		8		8		8		8		8	
1/4	3,700.06	1/4	3,919.35	1/4	4,138.25	1/4	4,356.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,704.63	1/2	3,923.91	1/2	4,142.81	1/2	4,361.26	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,709.21	3/4	3,928.47	3/4	4,147.37	3/4	4,365.78	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,713.78	9	3,933.04	9	4,151.93	9	4,370.29	9		9		9		9		9		9	
1/4	3,718.35	1/4	3,937.60	1/4	4,156.49	1/4	4,374.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,722.93	1/2	3,942.16	1/2	4,161.06	1/2	4,379.33	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,727.50	3/4	3,946.72	3/4	4,165.62	3/4	4,383.84	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,732.07	10	3,951.28	10	4,170.18	10	4,388.36	10		10		10		10		10		10	
1/4	3,736.65	1/4	3,955.84	1/4	4,174.74	1/4	4,392.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,741.22	1/2	3,960.40	1/2	4,179.30	1/2	4,397.39	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,745.79	3/4	3,964.96	3/4	4,183.86	3/4	4,401.90	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,750.37	11	3,969.52	11	4,188.42	11	4,406.42	11		11		11		11		11		11	
1/4	3,754.94	1/4	3,974.08	1/4	4,192.98	1/4	4,410.93	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,759.51	1/2	3,978.64	1/2	4,197.54	1/2	4,415.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,764.08	3/4	3,983.20	3/4	4,202.10	3/4	4,419.94	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/26/2019 CL
CALCULATED: 06/27/2019 CL
RENAMED: 06/15/2023 CL

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023



BARGE "CTC 29144"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "E2MS 314"

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.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.

STRAPPED: 06/26/2019 CL
CALCULATED: 06/27/2019 CL
RENAMED: 06/15/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023

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 29144"

SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "E2MS 314"

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	
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	
1/2	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	
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	
1	21	1	479	1	1,073	1	1,691	1	2,247	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	
1/2	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	
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	
2	48	2	525	2	1,124	2	1,741	2	2,287	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	
1/2	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	
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	78	3	572	3	1,176	3	1,791	3	2,326	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	
1/2	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	
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	
4	111	4	620	4	1,228	4	1,840	4	2,362	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	
1/2	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	
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	
5	146	5	669	5	1,280	5	1,888	5	2,397	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	
1/2	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	
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	
6	183	6	718	6	1,332	6	1,936	6	2,430	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	
1/2	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	
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	
7	221	7	767	7	1,384	7	1,983	7	2,460	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	
1/2	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	
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	
8	261	8	817	8	1,436	8	2,030	8	2,487	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	
1/2	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	
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	
9	302	9	868	9	1,487	9	2,075	9	2,508	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	
1/2	324	1/2	893	1/2	1,513	1/2	2,098	1/2		1/2		1/2		1/2		1/2		1/2	
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	
10	345	10	919	10	1,539	10	2,120	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	
1/2	367	1/2	944	1/2	1,564	1/2	2,142	1/2		1/2		1/2		1/2		1/2		1/2	
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	
11	388	11	970	11	1,590	11	2,163	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	
1/2	411	1/2	995	1/2	1,615	1/2	2,185	1/2		1/2		1/2		1/2		1/2		1/2	
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	

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.

STRAPPED: 06/26/2019 CL
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CANCELS AND SUPERCEDES
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BARGE "CTC 29144"

ULLAGE (HERMETIC)
FORMERLY "E2MS 314"

	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	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
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 - 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 235'-09"

June 15, 2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29144"

1 PORT ULLAGE TABLE

HERMETIC GAUGE HEIGHT 15'-09 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 314"

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	4,870.21	0	4,514.19	0	4,157.15	0	3,799.54	0	3,441.44	0	3,083.35	0	2,725.25	0	2,367.09
1/4		1/4		1/4	4,862.85	1/4	4,506.75	1/4	4,149.71	1/4	3,792.08	1/4	3,433.98	1/4	3,075.89	1/4	2,717.79	1/4	2,359.63
1/2		1/2		1/2	4,855.48	1/2	4,499.31	1/2	4,142.27	1/2	3,784.61	1/2	3,426.52	1/2	3,068.43	1/2	2,710.33	1/2	2,352.17
3/4		3/4		3/4	4,848.11	3/4	4,491.88	3/4	4,134.83	3/4	3,777.15	3/4	3,419.06	3/4	3,060.97	3/4	2,702.87	3/4	2,344.71
1		1		1	4,840.75	1	4,484.44	1	4,127.39	1	3,769.69	1	3,411.60	1	3,053.51	1	2,695.41	1	2,337.25
1/4		1/4		1/4	4,833.38	1/4	4,477.00	1/4	4,119.96	1/4	3,762.23	1/4	3,404.14	1/4	3,046.05	1/4	2,687.95	1/4	2,329.78
1/2		1/2		1/2	4,826.02	1/2	4,469.56	1/2	4,112.52	1/2	3,754.77	1/2	3,396.68	1/2	3,038.58	1/2	2,680.49	1/2	2,322.32
3/4		3/4		3/4	4,818.65	3/4	4,462.12	3/4	4,105.08	3/4	3,747.31	3/4	3,389.22	3/4	3,031.12	3/4	2,673.03	3/4	2,314.86
2		2		2	4,811.29	2	4,454.68	2	4,097.64	2	3,739.85	2	3,381.76	2	3,023.66	2	2,665.57	2	2,307.40
1/4		1/4		1/4	4,803.92	1/4	4,447.25	1/4	4,090.20	1/4	3,732.39	1/4	3,374.30	1/4	3,016.20	1/4	2,658.11	1/4	2,299.93
1/2		1/2		1/2	4,796.56	1/2	4,439.81	1/2	4,082.76	1/2	3,724.93	1/2	3,366.84	1/2	3,008.74	1/2	2,650.65	1/2	2,292.47
3/4		3/4		3/4	4,789.19	3/4	4,432.37	3/4	4,075.33	3/4	3,717.47	3/4	3,359.38	3/4	3,001.28	3/4	2,643.19	3/4	2,285.01
3		3		3	4,781.83	3	4,424.93	3	4,067.89	3	3,710.01	3	3,351.92	3	2,993.82	3	2,635.73	3	2,277.55
1/4		1/4		1/4	4,774.46	1/4	4,417.49	1/4	4,060.45	1/4	3,702.55	1/4	3,344.46	1/4	2,986.36	1/4	2,628.27	1/4	2,270.08
1/2		1/2		1/2	4,767.10	1/2	4,410.05	1/2	4,053.01	1/2	3,695.09	1/2	3,337.00	1/2	2,978.90	1/2	2,620.81	1/2	2,262.62
3/4		3/4		3/4	4,759.66	3/4	4,402.62	3/4	4,045.57	3/4	3,687.63	3/4	3,329.54	3/4	2,971.44	3/4	2,613.35	3/4	2,255.16
4		4		4	4,752.22	4	4,395.18	4	4,038.13	4	3,680.17	4	3,322.08	4	2,963.98	4	2,605.89	4	2,247.70
1/4		1/4		1/4	4,744.78	1/4	4,387.74	1/4	4,030.70	1/4	3,672.71	1/4	3,314.62	1/4	2,956.52	1/4	2,598.43	1/4	2,240.23
1/2		1/2		1/2	4,737.34	1/2	4,380.30	1/2	4,023.26	1/2	3,665.25	1/2	3,307.16	1/2	2,949.06	1/2	2,590.97	1/2	2,232.77
3/4		3/4		3/4	4,729.90	3/4	4,372.86	3/4	4,015.82	3/4	3,657.79	3/4	3,299.70	3/4	2,941.60	3/4	2,583.50	3/4	2,225.31
5		5		5	4,722.47	5	4,365.42	5	4,008.38	5	3,650.33	5	3,292.23	5	2,934.14	5	2,576.04	5	2,217.85
1/4		1/4		1/4	4,715.03	1/4	4,357.98	1/4	4,000.94	1/4	3,642.87	1/4	3,284.77	1/4	2,926.68	1/4	2,568.58	1/4	2,210.38
1/2		1/2		1/2	4,707.59	1/2	4,350.55	1/2	3,993.50	1/2	3,635.41	1/2	3,277.31	1/2	2,919.22	1/2	2,561.12	1/2	2,202.92
3/4		3/4		3/4	4,700.15	3/4	4,343.11	3/4	3,986.04	3/4	3,627.95	3/4	3,269.85	3/4	2,911.76	3/4	2,553.65	3/4	2,195.46
6		6		6	4,692.71	6	4,335.67	6	3,978.58	6	3,620.49	6	3,262.39	6	2,904.30	6	2,546.19	6	2,188.00
1/4		1/4		1/4	4,685.27	1/4	4,328.23	1/4	3,971.12	1/4	3,613.03	1/4	3,254.93	1/4	2,896.84	1/4	2,538.73	1/4	2,180.53
1/2		1/2	5,019.49	1/2	4,677.84	1/2	4,320.79	1/2	3,963.66	1/2	3,605.57	1/2	3,247.47	1/2	2,889.38	1/2	2,531.27	1/2	2,173.07
3/4		3/4	5,014.30	3/4	4,670.40	3/4	4,313.35	3/4	3,956.20	3/4	3,598.11	3/4	3,240.01	3/4	2,881.92	3/4	2,523.81	3/4	2,165.61
7		7	5,009.11	7	4,662.96	7	4,305.92	7	3,948.74	7	3,590.65	7	3,232.55	7	2,874.46	7	2,516.34	7	2,158.15
1/4		1/4	5,003.92	1/4	4,655.52	1/4	4,298.48	1/4	3,941.28	1/4	3,583.19	1/4	3,225.09	1/4	2,867.00	1/4	2,508.88	1/4	2,150.69
1/2		1/2	4,998.73	1/2	4,648.08	1/2	4,291.04	1/2	3,933.82	1/2	3,575.73	1/2	3,217.63	1/2	2,859.54	1/2	2,501.42	1/2	2,143.22
3/4		3/4	4,992.29	3/4	4,640.64	3/4	4,283.60	3/4	3,926.36	3/4	3,568.27	3/4	3,210.17	3/4	2,852.08	3/4	2,493.96	3/4	2,135.76
8		8	4,985.86	8	4,633.21	8	4,276.16	8	3,918.90	8	3,560.81	8	3,202.71	8	2,844.62	8	2,486.49	8	2,128.30
1/4		1/4	4,979.43	1/4	4,625.77	1/4	4,268.72	1/4	3,911.44	1/4	3,553.35	1/4	3,195.25	1/4	2,837.16	1/4	2,479.03	1/4	2,120.84
1/2		1/2	4,972.99	1/2	4,618.33	1/2	4,261.29	1/2	3,903.98	1/2	3,545.89	1/2	3,187.79	1/2	2,829.70	1/2	2,471.57	1/2	2,113.37
3/4		3/4	4,965.70	3/4	4,610.89	3/4	4,253.85	3/4	3,896.52	3/4	3,538.42	3/4	3,180.33	3/4	2,822.24	3/4	2,464.11	3/4	2,105.91
9		9	4,958.40	9	4,603.45	9	4,246.41	9	3,889.06	9	3,530.96	9	3,172.87	9	2,814.78	9	2,456.64	9	2,098.45
1/4		1/4	4,951.10	1/4	4,596.01	1/4	4,238.97	1/4	3,881.60	1/4	3,523.50	1/4	3,165.41	1/4	2,807.32	1/4	2,449.18	1/4	2,090.99
1/2		1/2	4,943.81	1/2	4,588.58	1/2	4,231.53	1/2	3,874.14	1/2	3,516.04	1/2	3,157.95	1/2	2,799.86	1/2	2,441.72	1/2	2,083.52
3/4		3/4	4,936.46	3/4	4,581.14	3/4	4,224.09	3/4	3,866.68	3/4	3,508.58	3/4	3,150.49	3/4	2,792.39	3/4	2,434.26	3/4	2,076.06
10		10	4,929.10	10	4,573.70	10	4,216.66	10	3,859.22	10	3,501.12	10	3,143.03	10	2,784.93	10	2,426.79	10	2,068.60
1/4		1/4	4,921.75	1/4	4,566.26	1/4	4,209.22	1/4	3,851.76	1/4	3,493.66	1/4	3,135.57	1/4	2,777.47	1/4	2,419.33	1/4	2,061.14
1/2		1/2	4,914.40	1/2	4,558.82	1/2	4,201.78	1/2	3,844.30	1/2	3,486.20	1/2	3,128.11	1/2	2,770.01	1/2	2,411.87	1/2	2,053.67
3/4		3/4	4,907.04	3/4	4,551.38	3/4	4,194.34	3/4	3,836.84	3/4	3,478.74	3/4	3,120.65	3/4	2,762.55	3/4	2,404.41	3/4	2,046.21
11		11	4,899.67	11	4,543.94	11	4,186.90	11	3,829.38	11	3,471.28	11	3,113.19	11	2,755.09	11	2,396.94	11	2,038.75
1/4		1/4	4,892.31	1/4	4,536.51	1/4	4,179.46	1/4	3,821.92	1/4	3,463.82	1/4	3,105.73	1/4	2,747.63	1/4	2,389.48	1/4	2,031.29
1/2		1/2	4,884.95	1/2	4,529.07	1/2	4,172.02	1/2	3,814.46	1/2	3,456.36	1/2	3,098.27	1/2	2,740.17	1/2	2,382.02	1/2	2,023.82
3/4		3/4	4,877.58	3/4	4,521.63	3/4	4,164.59	3/4	3,807.00	3/4	3,448.90	3/4	3,090.81	3/4	2,732.71	3/4	2,374.56	3/4	2,016.36

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 29144"

1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 314"

GAUGE HEIGHT 15'-09 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	2,008.90	0	1,650.70	0	1,292.51	0	935.59	0	578.68	0	236.37	0		0		0		0	
1/4	2,001.44	1/4	1,643.24	1/4	1,285.05	1/4	928.19	1/4	571.22	1/4	229.74	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,993.97	1/2	1,635.78	1/2	1,277.58	1/2	920.79	1/2	563.76	1/2	223.11	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,986.51	3/4	1,628.32	3/4	1,270.12	3/4	913.38	3/4	556.31	3/4	216.57	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,979.05	1	1,620.85	1	1,262.66	1	905.98	1	548.85	1	210.02	1	1	1	1	1	1	1	1
1/4	1,971.59	1/4	1,613.39	1/4	1,255.20	1/4	898.58	1/4	541.39	1/4	203.48	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,964.13	1/2	1,605.93	1/2	1,247.73	1/2	891.17	1/2	533.94	1/2	196.94	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,956.66	3/4	1,598.47	3/4	1,240.27	3/4	883.77	3/4	526.47	3/4	190.48	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,949.20	2	1,591.01	2	1,232.81	2	876.37	2	519.01	2	184.03	2	2	2	2	2	2	2	2
1/4	1,941.74	1/4	1,583.54	1/4	1,225.35	1/4	868.96	1/4	511.55	1/4	177.57	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,934.28	1/2	1,576.08	1/2	1,217.89	1/2	861.56	1/2	504.09	1/2	171.12	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,926.81	3/4	1,568.62	3/4	1,210.42	3/4	854.15	3/4	496.67	3/4	164.75	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,919.35	3	1,561.16	3	1,202.96	3	846.75	3	489.25	3	158.38	3	3	3	3	3	3	3	3
1/4	1,911.89	1/4	1,553.69	1/4	1,195.50	1/4	839.35	1/4	481.83	1/4	152.01	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,904.43	1/2	1,546.23	1/2	1,188.04	1/2	831.94	1/2	474.41	1/2	145.64	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,896.96	3/4	1,538.77	3/4	1,180.57	3/4	824.54	3/4	467.08	3/4	139.36	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,889.50	4	1,531.31	4	1,173.11	4	817.14	4	459.75	4	133.08	4	4	4	4	4	4	4	4
1/4	1,882.04	1/4	1,523.84	1/4	1,165.65	1/4	809.73	1/4	452.42	1/4	126.80	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,874.58	1/2	1,516.38	1/2	1,158.19	1/2	802.33	1/2	445.09	1/2	120.52	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,867.11	3/4	1,508.92	3/4	1,150.72	3/4	794.92	3/4	437.85	3/4	114.33	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,859.65	5	1,501.46	5	1,143.26	5	787.51	5	430.60	5	108.14	5	5	5	5	5	5	5	5
1/4	1,852.19	1/4	1,493.99	1/4	1,135.80	1/4	780.10	1/4	423.36	1/4	101.95	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,844.73	1/2	1,486.53	1/2	1,128.34	1/2	772.68	1/2	416.12	1/2	95.76	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,837.26	3/4	1,479.07	3/4	1,120.91	3/4	765.22	3/4	408.96	3/4	89.66	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,829.80	6	1,471.61	6	1,113.47	6	757.76	6	401.81	6	83.57	6	6	6	6	6	6	6	6
1/4	1,822.34	1/4	1,464.14	1/4	1,106.04	1/4	750.30	1/4	394.65	1/4	77.47	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,814.88	1/2	1,456.68	1/2	1,098.61	1/2	742.84	1/2	387.49	1/2	71.38	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,807.41	3/4	1,449.22	3/4	1,091.18	3/4	735.37	3/4	380.43	3/4	65.40	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,799.95	7	1,441.76	7	1,083.75	7	727.91	7	373.36	7	59.42	7	7	7	7	7	7	7	7
1/4	1,792.49	1/4	1,434.29	1/4	1,076.32	1/4	720.45	1/4	366.29	1/4	53.44	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,785.03	1/2	1,426.83	1/2	1,068.89	1/2	712.99	1/2	359.22	1/2	47.45	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,777.57	3/4	1,419.37	3/4	1,061.48	3/4	705.52	3/4	352.24	3/4	42.46	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,770.10	8	1,411.91	8	1,054.06	8	698.06	8	345.26	8	37.46	8	8	8	8	8	8	8	8
1/4	1,762.64	1/4	1,404.45	1/4	1,046.65	1/4	690.60	1/4	338.28	1/4	32.47	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,755.18	1/2	1,396.98	1/2	1,039.24	1/2	683.14	1/2	331.30	1/2	27.47	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,747.72	3/4	1,389.52	3/4	1,031.84	3/4	675.68	3/4	324.40	3/4	24.43	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,740.25	9	1,382.06	9	1,024.43	9	668.21	9	317.51	9	21.38	9	9	9	9	9	9	9	9
1/4	1,732.79	1/4	1,374.60	1/4	1,017.03	1/4	660.75	1/4	310.62	1/4	18.34	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,725.33	1/2	1,367.13	1/2	1,009.63	1/2	653.29	1/2	303.73	1/2	15.29	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,717.87	3/4	1,359.67	3/4	1,002.22	3/4	645.83	3/4	296.92	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,710.40	10	1,352.21	10	994.82	10	638.36	10	290.11	10		10	10	10	10	10	10	10	10
1/4	1,702.94	1/4	1,344.75	1/4	987.42	1/4	630.90	1/4	283.31	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,695.48	1/2	1,337.28	1/2	980.01	1/2	623.44	1/2	276.50	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,688.02	3/4	1,329.82	3/4	972.61	3/4	615.98	3/4	269.79	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,680.55	11	1,322.36	11	965.21	11	608.52	11	263.07	11		11	11	11	11	11	11	11	11
1/4	1,673.09	1/4	1,314.90	1/4	957.80	1/4	601.05	1/4	256.35	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,665.63	1/2	1,307.43	1/2	950.40	1/2	593.59	1/2	249.63	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,658.17	3/4	1,299.97	3/4	943.00	3/4	586.13	3/4	243.00	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/26/2019 CL
CALCULATED: 06/27/2019 CL
RENAMED: 06/15/2023 CL

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

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CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023



BARGE "CTC 29144"

1 STBD
ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 314"

GAUGE HEIGHT 15'-09 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	4,871.43	0	4,515.47	0	4,158.49	0	3,800.94	0	3,442.91	0	3,084.88	0	2,726.85	0	2,368.75
1/4		1/4		1/4	4,864.07	1/4	4,508.04	1/4	4,151.06	1/4	3,793.48	1/4	3,435.45	1/4	3,077.42	1/4	2,719.39	1/4	2,361.29
1/2		1/2		1/2	4,856.70	1/2	4,500.60	1/2	4,143.62	1/2	3,786.02	1/2	3,427.99	1/2	3,069.96	1/2	2,711.93	1/2	2,353.83
3/4		3/4		3/4	4,849.34	3/4	4,493.16	3/4	4,136.18	3/4	3,778.57	3/4	3,420.53	3/4	3,062.50	3/4	2,704.47	3/4	2,346.37
1		1		1	4,841.97	1	4,485.72	1	4,128.74	1	3,771.11	1	3,413.07	1	3,055.04	1	2,697.01	1	2,338.91
1/4		1/4		1/4	4,834.61	1/4	4,478.29	1/4	4,121.31	1/4	3,763.65	1/4	3,405.62	1/4	3,047.58	1/4	2,689.55	1/4	2,331.45
1/2		1/2		1/2	4,827.24	1/2	4,470.85	1/2	4,113.87	1/2	3,756.19	1/2	3,398.16	1/2	3,040.12	1/2	2,682.09	1/2	2,323.98
3/4		3/4		3/4	4,819.88	3/4	4,463.41	3/4	4,106.43	3/4	3,748.73	3/4	3,390.70	3/4	3,032.67	3/4	2,674.63	3/4	2,316.52
2		2		2	4,812.52	2	4,455.98	2	4,099.00	2	3,741.27	2	3,383.24	2	3,025.21	2	2,667.17	2	2,309.06
1/4		1/4		1/4	4,805.15	1/4	4,448.54	1/4	4,091.56	1/4	3,733.81	1/4	3,375.78	1/4	3,017.75	1/4	2,659.72	1/4	2,301.60
1/2		1/2		1/2	4,797.79	1/2	4,441.10	1/2	4,084.12	1/2	3,726.35	1/2	3,368.32	1/2	3,010.29	1/2	2,652.26	1/2	2,294.14
3/4		3/4		3/4	4,790.43	3/4	4,433.66	3/4	4,076.68	3/4	3,718.89	3/4	3,360.86	3/4	3,002.83	3/4	2,644.80	3/4	2,286.68
3		3		3	4,783.06	3	4,426.23	3	4,069.25	3	3,711.43	3	3,353.40	3	2,995.37	3	2,637.34	3	2,279.22
1/4		1/4		1/4	4,775.70	1/4	4,418.79	1/4	4,061.81	1/4	3,703.98	1/4	3,345.94	1/4	2,987.91	1/4	2,629.88	1/4	2,271.76
1/2		1/2		1/2	4,768.33	1/2	4,411.35	1/2	4,054.37	1/2	3,696.52	1/2	3,338.48	1/2	2,980.45	1/2	2,622.42	1/2	2,264.30
3/4		3/4		3/4	4,760.90	3/4	4,403.92	3/4	4,046.94	3/4	3,689.06	3/4	3,331.03	3/4	2,972.99	3/4	2,614.96	3/4	2,256.83
4		4		4	4,753.46	4	4,396.48	4	4,039.50	4	3,681.60	4	3,323.57	4	2,965.53	4	2,607.50	4	2,249.37
1/4		1/4		1/4	4,746.02	1/4	4,389.04	1/4	4,032.06	1/4	3,674.14	1/4	3,316.11	1/4	2,958.08	1/4	2,600.04	1/4	2,241.91
1/2		1/2		1/2	4,738.59	1/2	4,381.61	1/2	4,024.62	1/2	3,666.68	1/2	3,308.65	1/2	2,950.62	1/2	2,592.58	1/2	2,234.45
3/4		3/4		3/4	4,731.15	3/4	4,374.17	3/4	4,017.19	3/4	3,659.22	3/4	3,301.19	3/4	2,943.16	3/4	2,585.12	3/4	2,226.99
5		5		5	4,723.71	5	4,366.73	5	4,009.75	5	3,651.76	5	3,293.73	5	2,935.70	5	2,577.66	5	2,219.53
1/4		1/4		1/4	4,716.27	1/4	4,359.29	1/4	4,002.31	1/4	3,644.30	1/4	3,286.27	1/4	2,928.24	1/4	2,570.20	1/4	2,212.07
1/2		1/2		1/2	4,708.84	1/2	4,351.86	1/2	3,994.88	1/2	3,636.84	1/2	3,278.81	1/2	2,920.78	1/2	2,562.74	1/2	2,204.61
3/4		3/4		3/4	4,701.40	3/4	4,344.42	3/4	3,987.42	3/4	3,629.39	3/4	3,271.35	3/4	2,913.32	3/4	2,555.28	3/4	2,197.15
6		6		6	4,693.96	6	4,336.98	6	3,979.96	6	3,621.93	6	3,263.89	6	2,905.86	6	2,547.82	6	2,189.68
1/4		1/4		1/4	4,686.53	1/4	4,329.55	1/4	3,972.50	1/4	3,614.47	1/4	3,256.44	1/4	2,898.40	1/4	2,540.36	1/4	2,182.22
1/2		1/2		1/2	5,020.68	1/2	4,679.09	1/2	4,322.11	1/2	3,965.04	1/2	3,607.01	1/2	3,248.98	1/2	2,890.94	1/2	2,532.90
3/4		3/4		3/4	5,015.49	3/4	4,671.65	3/4	4,314.67	3/4	3,957.58	3/4	3,599.55	3/4	3,241.52	3/4	2,883.49	3/4	2,525.43
7		7		7	5,010.30	7	4,664.22	7	4,307.23	7	3,950.12	7	3,592.09	7	3,234.06	7	2,876.03	7	2,517.97
1/4		1/4		1/4	5,005.11	1/4	4,656.78	1/4	4,299.80	1/4	3,942.66	1/4	3,584.63	1/4	3,226.60	1/4	2,868.57	1/4	2,510.51
1/2		1/2		1/2	4,999.92	1/2	4,649.34	1/2	4,292.36	1/2	3,935.20	1/2	3,577.17	1/2	3,219.14	1/2	2,861.11	1/2	2,503.05
3/4		3/4		3/4	4,993.49	3/4	4,641.90	3/4	4,284.92	3/4	3,927.74	3/4	3,569.71	3/4	3,211.68	3/4	2,853.65	3/4	2,495.59
8		8		8	4,987.06	8	4,634.47	8	4,277.49	8	3,920.29	8	3,562.25	8	3,204.22	8	2,846.19	8	2,488.13
1/4		1/4		1/4	4,980.62	1/4	4,627.03	1/4	4,270.05	1/4	3,912.83	1/4	3,554.80	1/4	3,196.76	1/4	2,838.73	1/4	2,480.67
1/2		1/2		1/2	4,974.19	1/2	4,619.59	1/2	4,262.61	1/2	3,905.37	1/2	3,547.34	1/2	3,189.30	1/2	2,831.27	1/2	2,473.21
3/4		3/4		3/4	4,966.90	3/4	4,612.16	3/4	4,255.17	3/4	3,897.91	3/4	3,539.88	3/4	3,181.85	3/4	2,823.81	3/4	2,465.75
9		9		9	4,959.60	9	4,604.72	9	4,247.74	9	3,890.45	9	3,532.42	9	3,174.39	9	2,816.35	9	2,458.28
1/4		1/4		1/4	4,952.31	1/4	4,597.28	1/4	4,240.30	1/4	3,882.99	1/4	3,524.96	1/4	3,166.93	1/4	2,808.90	1/4	2,450.82
1/2		1/2		1/2	4,945.01	1/2	4,589.84	1/2	4,232.86	1/2	3,875.53	1/2	3,517.50	1/2	3,159.47	1/2	2,801.44	1/2	2,443.36
3/4		3/4		3/4	4,937.66	3/4	4,582.41	3/4	4,225.43	3/4	3,868.07	3/4	3,510.04	3/4	3,152.01	3/4	2,793.98	3/4	2,435.90
10		10		10	4,930.31	10	4,574.97	10	4,217.99	10	3,860.61	10	3,502.58	10	3,144.55	10	2,786.52	10	2,428.44
1/4		1/4		1/4	4,922.96	1/4	4,567.53	1/4	4,210.55	1/4	3,853.16	1/4	3,495.12	1/4	3,137.09	1/4	2,779.06	1/4	2,420.98
1/2		1/2		1/2	4,915.61	1/2	4,560.10	1/2	4,203.11	1/2	3,845.70	1/2	3,487.66	1/2	3,129.63	1/2	2,771.60	1/2	2,413.52
3/4		3/4		3/4	4,908.25	3/4	4,552.66	3/4	4,195.68	3/4	3,838.24	3/4	3,480.21	3/4	3,122.17	3/4	2,764.14	3/4	2,406.06
11		11		11	4,900.88	11	4,545.22	11	4,188.24	11	3,830.78	11	3,472.75	11	3,114.71	11	2,756.68	11	2,398.60
1/4		1/4		1/4	4,893.52	1/4	4,537.78	1/4	4,180.80	1/4	3,823.32	1/4	3,465.29	1/4	3,107.26	1/4	2,749.22	1/4	2,391.13
1/2		1/2		1/2	4,886.16	1/2	4,530.35	1/2	4,173.37	1/2	3,815.86	1/2	3,457.83	1/2	3,099.80	1/2	2,741.76	1/2	2,383.67
3/4		3/4		3/4	4,878.80	3/4	4,522.91	3/4	4,165.93	3/4	3,808.40	3/4	3,450.37	3/4	3,092.34	3/4	2,734.31	3/4	2,376.21

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CTC 29144"

1 STBD ULLAGE TABLE HERMETIC GAUGE HEIGHT 15'-09 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 314"

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	2,010.62	0	1,652.49	0	1,294.35	0	936.47	0	578.59	0	236.31	0		0		0		0	
1/4	2,003.16	1/4	1,645.02	1/4	1,286.89	1/4	929.02	1/4	571.13	1/4	229.68	1/4		1/4		1/4		1/4	
1/2	1,995.70	1/2	1,637.56	1/2	1,279.43	1/2	921.57	1/2	563.67	1/2	223.05	1/2		1/2		1/2		1/2	
3/4	1,988.23	3/4	1,630.10	3/4	1,271.97	3/4	914.12	3/4	556.20	3/4	216.51	3/4		3/4		3/4		3/4	
1	1,980.77	1	1,622.64	1	1,264.51	1	906.68	1	548.74	1	209.97	1		1		1		1	
1/4	1,973.31	1/4	1,615.18	1/4	1,257.05	1/4	899.23	1/4	541.28	1/4	203.43	1/4		1/4		1/4		1/4	
1/2	1,965.85	1/2	1,607.72	1/2	1,249.59	1/2	891.78	1/2	533.82	1/2	196.89	1/2		1/2		1/2		1/2	
3/4	1,958.39	3/4	1,600.26	3/4	1,242.12	3/4	884.34	3/4	526.36	3/4	190.43	3/4		3/4		3/4		3/4	
2	1,950.93	2	1,592.80	2	1,234.66	2	876.89	2	518.90	2	183.98	2		2		2		2	
1/4	1,943.47	1/4	1,585.34	1/4	1,227.20	1/4	869.44	1/4	511.44	1/4	177.52	1/4		1/4		1/4		1/4	
1/2	1,936.01	1/2	1,577.87	1/2	1,219.74	1/2	862.00	1/2	503.98	1/2	171.07	1/2		1/2		1/2		1/2	
3/4	1,928.55	3/4	1,570.41	3/4	1,212.28	3/4	854.55	3/4	496.56	3/4	164.70	3/4		3/4		3/4		3/4	
3	1,921.09	3	1,562.95	3	1,204.82	3	847.10	3	489.14	3	158.34	3		3		3		3	
1/4	1,913.62	1/4	1,555.49	1/4	1,197.36	1/4	839.66	1/4	481.73	1/4	151.97	1/4		1/4		1/4		1/4	
1/2	1,906.16	1/2	1,548.03	1/2	1,189.90	1/2	832.21	1/2	474.31	1/2	145.60	1/2		1/2		1/2		1/2	
3/4	1,898.70	3/4	1,540.57	3/4	1,182.44	3/4	824.76	3/4	466.98	3/4	139.33	3/4		3/4		3/4		3/4	
4	1,891.24	4	1,533.11	4	1,174.98	4	817.31	4	459.65	4	133.05	4		4		4		4	
1/4	1,883.78	1/4	1,525.65	1/4	1,167.51	1/4	809.87	1/4	452.32	1/4	126.77	1/4		1/4		1/4		1/4	
1/2	1,876.32	1/2	1,518.19	1/2	1,160.05	1/2	802.42	1/2	444.99	1/2	120.49	1/2		1/2		1/2		1/2	
3/4	1,868.86	3/4	1,510.72	3/4	1,152.59	3/4	794.96	3/4	437.75	3/4	114.30	3/4		3/4		3/4		3/4	
5	1,861.40	5	1,503.26	5	1,145.13	5	787.50	5	430.50	5	108.11	5		5		5		5	
1/4	1,853.94	1/4	1,495.80	1/4	1,137.67	1/4	780.04	1/4	423.26	1/4	101.92	1/4		1/4		1/4		1/4	
1/2	1,846.47	1/2	1,488.34	1/2	1,130.21	1/2	772.58	1/2	416.02	1/2	95.73	1/2		1/2		1/2		1/2	
3/4	1,839.01	3/4	1,480.88	3/4	1,122.75	3/4	765.12	3/4	408.87	3/4	89.64	3/4		3/4		3/4		3/4	
6	1,831.55	6	1,473.42	6	1,115.29	6	757.65	6	401.71	6	83.55	6		6		6		6	
1/4	1,824.09	1/4	1,465.96	1/4	1,107.83	1/4	750.19	1/4	394.56	1/4	77.45	1/4		1/4		1/4		1/4	
1/2	1,816.63	1/2	1,458.50	1/2	1,100.36	1/2	742.73	1/2	387.40	1/2	71.36	1/2		1/2		1/2		1/2	
3/4	1,809.17	3/4	1,451.04	3/4	1,092.91	3/4	735.27	3/4	380.34	3/4	65.38	3/4		3/4		3/4		3/4	
7	1,801.71	7	1,443.57	7	1,085.45	7	727.81	7	373.27	7	59.40	7		7		7		7	
1/4	1,794.25	1/4	1,436.11	1/4	1,078.00	1/4	720.35	1/4	366.20	1/4	53.42	1/4		1/4		1/4		1/4	
1/2	1,786.79	1/2	1,428.65	1/2	1,070.54	1/2	712.89	1/2	359.13	1/2	47.44	1/2		1/2		1/2		1/2	
3/4	1,779.32	3/4	1,421.19	3/4	1,063.09	3/4	705.43	3/4	352.16	3/4	42.45	3/4		3/4		3/4		3/4	
8	1,771.86	8	1,413.73	8	1,055.63	8	697.97	8	345.18	8	37.45	8		8		8		8	
1/4	1,764.40	1/4	1,406.27	1/4	1,048.18	1/4	690.50	1/4	338.20	1/4	32.46	1/4		1/4		1/4		1/4	
1/2	1,756.94	1/2	1,398.81	1/2	1,040.72	1/2	683.04	1/2	331.22	1/2	27.46	1/2		1/2		1/2		1/2	
3/4	1,749.48	3/4	1,391.35	3/4	1,033.27	3/4	675.58	3/4	324.33	3/4	24.42	3/4		3/4		3/4		3/4	
9	1,742.02	9	1,383.89	9	1,025.83	9	668.12	9	317.43	9	21.38	9		9		9		9	
1/4	1,734.56	1/4	1,376.42	1/4	1,018.38	1/4	660.66	1/4	310.54	1/4	18.34	1/4		1/4		1/4		1/4	
1/2	1,727.10	1/2	1,368.96	1/2	1,010.93	1/2	653.20	1/2	303.65	1/2	15.29	1/2		1/2		1/2		1/2	
3/4	1,719.64	3/4	1,361.50	3/4	1,003.49	3/4	645.74	3/4	296.85	3/4		3/4		3/4		3/4		3/4	
10	1,712.17	10	1,354.04	10	996.04	10	638.28	10	290.04	10		10		10		10		10	
1/4	1,704.71	1/4	1,346.58	1/4	988.59	1/4	630.82	1/4	283.24	1/4		1/4		1/4		1/4		1/4	
1/2	1,697.25	1/2	1,339.12	1/2	981.15	1/2	623.35	1/2	276.43	1/2		1/2		1/2		1/2		1/2	
3/4	1,689.79	3/4	1,331.66	3/4	973.70	3/4	615.89	3/4	269.72	3/4		3/4		3/4		3/4		3/4	
11	1,682.33	11	1,324.20	11	966.25	11	608.43	11	263.00	11		11		11		11		11	
1/4	1,674.87	1/4	1,316.74	1/4	958.81	1/4	600.97	1/4	256.28	1/4		1/4		1/4		1/4		1/4	
1/2	1,667.41	1/2	1,309.27	1/2	951.36	1/2	593.51	1/2	249.57	1/2		1/2		1/2		1/2		1/2	
3/4	1,659.95	3/4	1,301.81	3/4	943.91	3/4	586.05	3/4	242.94	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/26/2019 CL
CALCULATED: 06/27/2019 CL
RENAMED: 06/15/2023 CL

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023



BARGE "CTC 29144"

2 PORT ULLAGE TABLE

HERMETIC GAUGE HEIGHT 15'-09 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 314"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4		1/4		1/4	4,935.48	1/4	4,577.72	1/4	4,219.11	1/4	3,859.90	1/4	3,500.23	1/4	3,140.56	1/4	2,780.89	1/4	2,421.22
1/2		1/2		1/2	4,928.08	1/2	4,570.25	1/2	4,211.63	1/2	3,852.40	1/2	3,492.73	1/2	3,133.07	1/2	2,773.40	1/2	2,413.73
3/4		3/4		3/4	4,920.67	3/4	4,562.78	3/4	4,204.16	3/4	3,844.91	3/4	3,485.24	3/4	3,125.57	3/4	2,765.90	3/4	2,406.23
1	1	1	1	1	4,913.27	1	4,555.31	1	4,196.69	1	3,837.42	1	3,477.75	1	3,118.08	1	2,758.41	1	2,398.74
1/4		1/4		1/4	4,905.86	1/4	4,547.84	1/4	4,189.22	1/4	3,829.92	1/4	3,470.26	1/4	3,110.59	1/4	2,750.92	1/4	2,391.25
1/2		1/2		1/2	4,898.46	1/2	4,540.37	1/2	4,181.75	1/2	3,822.43	1/2	3,462.76	1/2	3,103.09	1/2	2,743.42	1/2	2,383.76
3/4		3/4		3/4	4,891.05	3/4	4,532.90	3/4	4,174.28	3/4	3,814.94	3/4	3,455.27	3/4	3,095.60	3/4	2,735.93	3/4	2,376.26
2	2	2	2	2	4,883.65	2	4,525.42	2	4,166.81	2	3,807.44	2	3,447.78	2	3,088.11	2	2,728.44	2	2,368.77
1/4		1/4		1/4	4,876.24	1/4	4,517.95	1/4	4,159.34	1/4	3,799.95	1/4	3,440.28	1/4	3,080.61	1/4	2,720.95	1/4	2,361.28
1/2		1/2		1/2	4,868.84	1/2	4,510.48	1/2	4,151.86	1/2	3,792.46	1/2	3,432.79	1/2	3,073.12	1/2	2,713.45	1/2	2,353.78
3/4		3/4		3/4	4,861.43	3/4	4,503.01	3/4	4,144.39	3/4	3,784.97	3/4	3,425.30	3/4	3,065.63	3/4	2,705.96	3/4	2,346.29
3	3	3	3	3	4,854.03	3	4,495.54	3	4,136.92	3	3,777.47	3	3,417.80	3	3,058.13	3	2,698.47	3	2,338.80
1/4		1/4		1/4	4,846.62	1/4	4,488.07	1/4	4,129.45	1/4	3,769.98	1/4	3,410.31	1/4	3,050.64	1/4	2,690.97	1/4	2,331.30
1/2		1/2		1/2	4,839.21	1/2	4,480.60	1/2	4,121.98	1/2	3,762.49	1/2	3,402.82	1/2	3,043.15	1/2	2,683.48	1/2	2,323.81
3/4		3/4		3/4	4,831.74	3/4	4,473.13	3/4	4,114.51	3/4	3,754.99	3/4	3,395.32	3/4	3,035.66	3/4	2,675.99	3/4	2,316.32
4	4	4	4	4	4,824.27	4	4,465.65	4	4,107.04	4	3,747.50	4	3,387.83	4	3,028.16	4	2,668.49	4	2,308.82
1/4		1/4		1/4	4,816.80	1/4	4,458.18	1/4	4,099.57	1/4	3,740.01	1/4	3,380.34	1/4	3,020.67	1/4	2,661.00	1/4	2,301.33
1/2		1/2		1/2	4,809.33	1/2	4,450.71	1/2	4,092.09	1/2	3,732.51	1/2	3,372.84	1/2	3,013.18	1/2	2,653.51	1/2	2,293.84
3/4		3/4		3/4	4,801.86	3/4	4,443.24	3/4	4,084.62	3/4	3,725.02	3/4	3,365.35	3/4	3,005.68	3/4	2,646.01	3/4	2,286.35
5	5	5	5	5	4,794.39	5	4,435.77	5	4,077.15	5	3,717.53	5	3,357.86	5	2,998.19	5	2,638.52	5	2,278.85
1/4		1/4		1/4	4,786.92	1/4	4,428.30	1/4	4,069.68	1/4	3,710.03	1/4	3,350.37	1/4	2,990.70	1/4	2,631.03	1/4	2,271.36
1/2		1/2		1/2	4,779.45	1/2	4,420.83	1/2	4,062.21	1/2	3,702.54	1/2	3,342.87	1/2	2,983.20	1/2	2,623.53	1/2	2,263.87
3/4		3/4		3/4	4,771.97	3/4	4,413.36	3/4	4,054.72	3/4	3,695.05	3/4	3,335.38	3/4	2,975.71	3/4	2,616.04	3/4	2,256.37
6	6	6	6	6	4,764.50	6	4,405.89	6	4,047.22	6	3,687.55	6	3,327.89	6	2,968.22	6	2,608.55	6	2,248.88
1/4		1/4		1/4	4,757.03	1/4	4,398.41	1/4	4,039.73	1/4	3,680.06	1/4	3,320.39	1/4	2,960.72	1/4	2,601.06	1/4	2,241.39
1/2		1/2	5,092.95	1/2	4,749.56	1/2	4,390.94	1/2	4,032.24	1/2	3,672.57	1/2	3,312.90	1/2	2,953.23	1/2	2,593.56	1/2	2,233.89
3/4		3/4	5,087.73	3/4	4,742.09	3/4	4,383.47	3/4	4,024.74	3/4	3,665.08	3/4	3,305.41	3/4	2,945.74	3/4	2,586.07	3/4	2,226.40
7	7	7	7	7	4,734.62	7	4,376.00	7	4,017.25	7	3,657.58	7	3,297.91	7	2,938.24	7	2,578.58	7	2,218.91
1/4		1/4	5,077.29	1/4	4,727.15	1/4	4,368.53	1/4	4,009.76	1/4	3,650.09	1/4	3,290.42	1/4	2,930.75	1/4	2,571.08	1/4	2,211.41
1/2		1/2	5,072.07	1/2	4,719.68	1/2	4,361.06	1/2	4,002.27	1/2	3,642.60	1/2	3,282.93	1/2	2,923.26	1/2	2,563.59	1/2	2,203.92
3/4		3/4	5,065.60	3/4	4,712.20	3/4	4,353.59	3/4	3,994.77	3/4	3,635.10	3/4	3,275.43	3/4	2,915.77	3/4	2,556.10	3/4	2,196.43
8	8	8	8	8	4,704.73	8	4,346.12	8	3,987.28	8	3,627.61	8	3,267.94	8	2,908.27	8	2,548.60	8	2,188.93
1/4		1/4	5,052.67	1/4	4,697.26	1/4	4,338.64	1/4	3,979.79	1/4	3,620.12	1/4	3,260.45	1/4	2,900.78	1/4	2,541.11	1/4	2,181.44
1/2		1/2	5,046.20	1/2	4,689.79	1/2	4,331.17	1/2	3,972.29	1/2	3,612.62	1/2	3,252.96	1/2	2,893.29	1/2	2,533.62	1/2	2,173.95
3/4		3/4	5,038.87	3/4	4,682.32	3/4	4,323.70	3/4	3,964.80	3/4	3,605.13	3/4	3,245.46	3/4	2,885.79	3/4	2,526.12	3/4	2,166.46
9	9	9	9	9	4,674.85	9	4,316.23	9	3,957.31	9	3,597.64	9	3,237.97	9	2,878.30	9	2,518.63	9	2,158.96
1/4		1/4	5,024.20	1/4	4,667.38	1/4	4,308.76	1/4	3,949.81	1/4	3,590.14	1/4	3,230.48	1/4	2,870.81	1/4	2,511.14	1/4	2,151.47
1/2		1/2	5,016.86	1/2	4,659.91	1/2	4,301.29	1/2	3,942.32	1/2	3,582.65	1/2	3,222.98	1/2	2,863.31	1/2	2,503.65	1/2	2,143.98
3/4		3/4	5,009.47	3/4	4,652.43	3/4	4,293.82	3/4	3,934.83	3/4	3,575.16	3/4	3,215.49	3/4	2,855.82	3/4	2,496.15	3/4	2,136.48
10	10	10	10	10	4,644.96	10	4,286.35	10	3,927.33	10	3,567.67	10	3,208.00	10	2,848.33	10	2,488.66	10	2,128.99
1/4		1/4	4,994.69	1/4	4,637.49	1/4	4,278.87	1/4	3,919.84	1/4	3,560.17	1/4	3,200.50	1/4	2,840.83	1/4	2,481.17	1/4	2,121.50
1/2		1/2	4,987.30	1/2	4,630.02	1/2	4,271.40	1/2	3,912.35	1/2	3,552.68	1/2	3,193.01	1/2	2,833.34	1/2	2,473.67	1/2	2,114.00
3/4		3/4	4,979.90	3/4	4,622.55	3/4	4,263.93	3/4	3,904.85	3/4	3,545.19	3/4	3,185.52	3/4	2,825.85	3/4	2,466.18	3/4	2,106.51
11	11	11	11	11	4,972.50	11	4,615.08	11	4,256.46	11	3,897.36	11	3,178.02	11	2,818.36	11	2,458.69	11	2,099.02
1/4		1/4	4,965.10	1/4	4,607.61	1/4	4,248.99	1/4	3,889.87	1/4	3,530.20	1/4	3,170.53	1/4	2,810.86	1/4	2,451.19	1/4	2,091.52
1/2		1/2	4,957.70	1/2	4,600.14	1/2	4,241.52	1/2	3,882.38	1/2	3,522.71	1/2	3,163.04	1/2	2,803.37	1/2	2,443.70	1/2	2,084.03
3/4		3/4	4,950.29	3/4	4,592.67	3/4	4,234.05	3/4	3,874.88	3/4	3,515.21	3/4	3,155.54	3/4	2,795.88	3/4	2,436.21	3/4	2,076.54

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29144"

2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 314"

GAUGE HEIGHT 15'-09 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	2,069.05	0	1,709.38	0	1,349.71	0	997.87	0	644.87	0	285.20	0		0		0		0	
1/4	2,061.55	1/4	1,701.88	1/4	1,342.21	1/4	990.68	1/4	637.38	1/4	277.71	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,054.06	1/2	1,694.39	1/2	1,334.72	1/2	983.50	1/2	629.88	1/2	270.21	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,046.57	3/4	1,686.90	3/4	1,327.23	3/4	976.31	3/4	622.39	3/4	262.72	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,039.07	1	1,679.40	1	1,319.74	1	969.13	1	614.90	1	255.23	1	1	1	1	1	1	1	1
1/4	2,031.58	1/4	1,671.91	1/4	1,312.24	1/4	961.94	1/4	607.40	1/4	247.73	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,024.09	1/2	1,664.42	1/2	1,304.75	1/2	954.76	1/2	599.91	1/2	240.24	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,016.59	3/4	1,656.92	3/4	1,297.26	3/4	947.57	3/4	592.42	3/4	232.75	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,009.10	2	1,649.43	2	1,289.76	2	940.38	2	584.92	2	225.26	2	2	2	2	2	2	2	2
1/4	2,001.61	1/4	1,641.94	1/4	1,282.27	1/4	933.20	1/4	577.43	1/4	217.76	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,994.11	1/2	1,634.45	1/2	1,274.78	1/2	926.01	1/2	569.94	1/2	210.27	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,986.62	3/4	1,626.95	3/4	1,267.28	3/4	918.83	3/4	562.44	3/4	202.78	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,979.13	3	1,619.46	3	1,259.79	3	911.64	3	554.95	3	195.28	3	3	3	3	3	3	3	3
1/4	1,971.64	1/4	1,611.97	1/4	1,252.30	1/4	904.46	1/4	547.46	1/4	187.79	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,964.14	1/2	1,604.47	1/2	1,244.80	1/2	897.27	1/2	539.97	1/2	180.30	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,956.65	3/4	1,596.98	3/4	1,237.31	3/4	890.08	3/4	532.47	3/4	172.80	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,949.16	4	1,589.49	4	1,229.82	4	882.90	4	524.98	4	165.31	4	4	4	4	4	4	4	4
1/4	1,941.66	1/4	1,581.99	1/4	1,222.33	1/4	875.71	1/4	517.49	1/4	157.82	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,934.17	1/2	1,574.50	1/2	1,214.83	1/2	868.53	1/2	509.99	1/2	150.32	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,926.68	3/4	1,567.01	3/4	1,207.34	3/4	861.32	3/4	502.50	3/4	142.83	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,919.18	5	1,559.51	5	1,199.85	5	854.11	5	495.01	5	135.34	5	5	5	5	5	5	5	5
1/4	1,911.69	1/4	1,552.02	1/4	1,192.35	1/4	846.90	1/4	487.51	1/4	127.85	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,904.20	1/2	1,544.53	1/2	1,184.86	1/2	839.69	1/2	480.02	1/2	120.36	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,896.70	3/4	1,537.04	3/4	1,177.35	3/4	832.20	3/4	472.53	3/4	112.88	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,889.21	6	1,529.54	6	1,170.44	6	824.70	6	465.03	6	105.39	6	6	6	6	6	6	6	6
1/4	1,881.72	1/4	1,522.05	1/4	1,163.23	1/4	817.21	1/4	457.54	1/4	97.91	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,874.22	1/2	1,514.56	1/2	1,156.02	1/2	809.72	1/2	450.05	1/2	90.43	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,866.73	3/4	1,507.06	3/4	1,148.83	3/4	802.22	3/4	442.56	3/4	82.97	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,859.24	7	1,499.57	7	1,141.63	7	794.73	7	435.06	7	75.51	7	7	7	7	7	7	7	7
1/4	1,851.75	1/4	1,492.08	1/4	1,134.44	1/4	787.24	1/4	427.57	1/4	68.06	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,844.25	1/2	1,484.58	1/2	1,127.24	1/2	779.74	1/2	420.08	1/2	60.60	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,836.76	3/4	1,477.09	3/4	1,120.05	3/4	772.25	3/4	412.58	3/4	54.05	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,829.27	8	1,469.60	8	1,112.86	8	764.76	8	405.09	8	47.49	8	8	8	8	8	8	8	8
1/4	1,821.77	1/4	1,462.10	1/4	1,105.66	1/4	757.27	1/4	397.60	1/4	40.94	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,814.28	1/2	1,454.61	1/2	1,098.47	1/2	749.77	1/2	390.10	1/2	34.38	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,806.79	3/4	1,447.12	3/4	1,091.28	3/4	742.28	3/4	382.61	3/4	29.70	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,799.29	9	1,439.62	9	1,084.10	9	734.79	9	375.12	9	25.01	9	9	9	9	9	9	9	9
1/4	1,791.80	1/4	1,432.13	1/4	1,076.91	1/4	727.29	1/4	367.62	1/4	20.33	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,784.31	1/2	1,424.64	1/2	1,069.72	1/2	719.80	1/2	360.13	1/2	15.65	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,776.81	3/4	1,417.15	3/4	1,062.54	3/4	712.31	3/4	352.64	3/4	=====	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,769.32	10	1,409.65	10	1,055.35	10	704.81	10	345.14	10	10	10	10	10	10	10	10	10	10
1/4	1,761.83	1/4	1,402.16	1/4	1,048.17	1/4	697.32	1/4	337.65	1/4	=====	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,754.34	1/2	1,394.67	1/2	1,040.98	1/2	689.83	1/2	330.16	1/2	=====	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,746.84	3/4	1,387.17	3/4	1,033.80	3/4	682.33	3/4	322.67	3/4	=====	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,739.35	11	1,379.68	11	1,026.61	11	674.84	11	315.17	11	=====	11	11	11	11	11	11	11	11
1/4	1,731.86	1/4	1,372.19	1/4	1,019.43	1/4	667.35	1/4	307.68	1/4	=====	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,724.36	1/2	1,364.69	1/2	1,012.24	1/2	659.86	1/2	300.19	1/2	=====	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,716.87	3/4	1,357.20	3/4	1,005.05	3/4	652.36	3/4	292.69	3/4	=====	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/26/2019 CL
CALCULATED: 06/27/2019 CL
RENAMED: 06/15/2023 CL

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023



BARGE "CTC 29144"

2 STBD ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 314"

GAUGE HEIGHT 15'-09 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	4,969.66	0	4,611.77	0	4,252.78	0	3,893.25	0	3,533.22	0	3,173.20	0	2,813.17	0	2,453.07
1/4	1/4	1/4	1/4	1/4	4,962.25	1/4	4,604.29	1/4	4,245.30	1/4	3,885.75	1/4	3,525.72	1/4	3,165.69	1/4	2,805.67	1/4	2,445.57
1/2	1/2	1/2	1/2	1/2	4,954.84	1/2	4,596.81	1/2	4,237.82	1/2	3,878.25	1/2	3,518.22	1/2	3,158.19	1/2	2,798.17	1/2	2,438.07
3/4	3/4	3/4	3/4	3/4	4,947.43	3/4	4,589.33	3/4	4,230.35	3/4	3,870.75	3/4	3,510.72	3/4	3,150.69	3/4	2,790.66	3/4	2,430.57
1	1	1	1	1	4,940.03	1	4,581.85	1	4,222.87	1	3,863.25	1	3,503.22	1	3,143.19	1	2,783.16	1	2,423.06
1/4	1/4	1/4	1/4	1/4	4,932.62	1/4	4,574.38	1/4	4,215.39	1/4	3,855.75	1/4	3,495.72	1/4	3,135.69	1/4	2,775.66	1/4	2,415.56
1/2	1/2	1/2	1/2	1/2	4,925.22	1/2	4,566.90	1/2	4,207.91	1/2	3,848.25	1/2	3,488.22	1/2	3,128.19	1/2	2,768.16	1/2	2,408.06
3/4	3/4	3/4	3/4	3/4	4,917.81	3/4	4,559.42	3/4	4,200.43	3/4	3,840.75	3/4	3,480.72	3/4	3,120.69	3/4	2,760.66	3/4	2,400.55
2	2	2	2	2	4,910.41	2	4,551.94	2	4,192.95	2	3,833.25	2	3,473.22	2	3,113.19	2	2,753.16	2	2,393.05
1/4	1/4	1/4	1/4	1/4	4,903.00	1/4	4,544.46	1/4	4,185.47	1/4	3,825.75	1/4	3,465.72	1/4	3,105.69	1/4	2,745.66	1/4	2,385.55
1/2	1/2	1/2	1/2	1/2	4,895.60	1/2	4,536.98	1/2	4,177.99	1/2	3,818.25	1/2	3,458.22	1/2	3,098.19	1/2	2,738.16	1/2	2,378.05
3/4	3/4	3/4	3/4	3/4	4,888.19	3/4	4,529.50	3/4	4,170.51	3/4	3,810.75	3/4	3,450.72	3/4	3,090.69	3/4	2,730.66	3/4	2,370.54
3	3	3	3	3	4,880.79	3	4,522.02	3	4,163.04	3	3,803.25	3	3,443.22	3	3,083.19	3	2,723.16	3	2,363.04
1/4	1/4	1/4	1/4	1/4	4,873.38	1/4	4,514.54	1/4	4,155.56	1/4	3,795.74	1/4	3,435.72	1/4	3,075.69	1/4	2,715.66	1/4	2,355.54
1/2	1/2	1/2	1/2	1/2	4,865.98	1/2	4,507.06	1/2	4,148.08	1/2	3,788.24	1/2	3,428.22	1/2	3,068.19	1/2	2,708.16	1/2	2,348.03
3/4	3/4	3/4	3/4	3/4	4,858.57	3/4	4,499.59	3/4	4,140.60	3/4	3,780.74	3/4	3,420.71	3/4	3,060.69	3/4	2,700.66	3/4	2,340.53
4	4	4	4	4	4,851.09	4	4,492.11	4	4,133.12	4	3,773.24	4	3,413.21	4	3,053.19	4	2,693.16	4	2,333.03
1/4	1/4	1/4	1/4	1/4	4,843.62	1/4	4,484.63	1/4	4,125.64	1/4	3,765.74	1/4	3,405.71	1/4	3,045.68	1/4	2,685.66	1/4	2,325.53
1/2	1/2	1/2	1/2	1/2	4,836.14	1/2	4,477.15	1/2	4,118.16	1/2	3,758.24	1/2	3,398.21	1/2	3,038.18	1/2	2,678.16	1/2	2,318.02
3/4	3/4	3/4	3/4	3/4	4,828.66	3/4	4,469.67	3/4	4,110.68	3/4	3,750.74	3/4	3,390.71	3/4	3,030.68	3/4	2,670.65	3/4	2,310.52
5	5	5	5	5	4,821.18	5	4,462.19	5	4,103.20	5	3,743.24	5	3,383.21	5	3,023.18	5	2,663.15	5	2,303.02
1/4	1/4	1/4	1/4	1/4	4,813.70	1/4	4,454.71	1/4	4,095.73	1/4	3,735.74	1/4	3,375.71	1/4	3,015.68	1/4	2,655.65	1/4	2,295.51
1/2	1/2	1/2	1/2	1/2	4,806.22	1/2	4,447.23	1/2	4,088.25	1/2	3,728.24	1/2	3,368.21	1/2	3,008.18	1/2	2,648.15	1/2	2,288.01
3/4	3/4	3/4	3/4	3/4	4,798.74	3/4	4,439.75	3/4	4,080.77	3/4	3,720.74	3/4	3,360.71	3/4	3,000.68	3/4	2,640.64	3/4	2,280.51
6	6	6	6	6	4,791.26	6	4,432.28	6	4,073.27	6	3,713.24	6	3,353.21	6	2,993.18	6	2,633.14	6	2,273.01
1/4	1/4	1/4	1/4	1/4	4,783.78	1/4	4,424.80	1/4	4,065.77	1/4	3,705.74	1/4	3,345.71	1/4	2,985.68	1/4	2,625.64	1/4	2,265.50
1/2	1/2	1/2	1/2	1/2	4,776.31	1/2	4,417.32	1/2	4,058.27	1/2	3,698.24	1/2	3,338.21	1/2	2,978.18	1/2	2,618.14	1/2	2,258.00
3/4	3/4	3/4	3/4	3/4	5,112.35	3/4	4,768.83	3/4	4,409.84	3/4	4,050.77	3/4	3,690.74	3/4	3,330.71	3/4	2,970.68	3/4	2,610.63
7	7	7	7	7	4,761.35	7	4,402.36	7	4,043.26	7	3,683.24	7	3,323.21	7	2,963.18	7	2,603.13	7	2,243.00
1/4	1/4	1/4	1/4	1/4	5,101.91	1/4	4,753.87	1/4	4,394.88	1/4	4,035.76	1/4	3,675.74	1/4	3,315.71	1/4	2,955.68	1/4	2,603.13
1/2	1/2	1/2	1/2	1/2	5,096.69	1/2	4,746.39	1/2	4,387.40	1/2	4,028.26	1/2	3,668.23	1/2	3,308.21	1/2	2,948.18	1/2	2,588.12
3/4	3/4	3/4	3/4	3/4	5,091.48	3/4	4,738.91	3/4	4,379.92	3/4	4,020.76	3/4	3,660.73	3/4	3,300.71	3/4	2,940.68	3/4	2,580.62
8	8	8	8	8	5,085.01	8	4,731.43	8	4,372.44	8	4,013.26	8	3,653.23	8	3,293.20	8	2,933.18	8	2,573.12
1/4	1/4	1/4	1/4	1/4	5,078.54	1/4	4,723.95	1/4	4,364.97	1/4	4,005.76	1/4	3,645.73	1/4	3,285.70	1/4	2,925.68	1/4	2,565.62
1/2	1/2	1/2	1/2	1/2	5,072.07	1/2	4,716.47	1/2	4,357.49	1/2	3,998.26	1/2	3,638.23	1/2	3,278.20	1/2	2,918.17	1/2	2,558.11
3/4	3/4	3/4	3/4	3/4	5,065.60	3/4	4,709.00	3/4	4,350.01	3/4	3,990.76	3/4	3,630.73	3/4	3,270.70	3/4	2,910.67	3/4	2,550.61
9	9	9	9	9	5,058.26	9	4,701.52	9	4,342.53	9	3,983.26	9	3,623.23	9	3,263.20	9	2,903.17	9	2,543.11
1/4	1/4	1/4	1/4	1/4	5,050.93	1/4	4,694.04	1/4	4,335.05	1/4	3,975.76	1/4	3,615.73	1/4	3,255.70	1/4	2,895.67	1/4	2,535.60
1/2	1/2	1/2	1/2	1/2	5,043.59	1/2	4,686.56	1/2	4,327.57	1/2	3,968.26	1/2	3,608.23	1/2	3,248.20	1/2	2,888.17	1/2	2,528.10
3/4	3/4	3/4	3/4	3/4	5,036.25	3/4	4,679.08	3/4	4,320.09	3/4	3,960.76	3/4	3,600.73	3/4	3,240.70	3/4	2,880.67	3/4	2,520.60
10	10	10	10	10	5,028.86	10	4,671.60	10	4,312.61	10	3,953.26	10	3,593.23	10	3,233.20	10	2,873.17	10	2,513.10
1/4	1/4	1/4	1/4	1/4	5,021.47	1/4	4,664.12	1/4	4,305.13	1/4	3,945.76	1/4	3,585.73	1/4	3,225.70	1/4	2,865.67	1/4	2,505.59
1/2	1/2	1/2	1/2	1/2	5,014.08	1/2	4,656.64	1/2	4,297.66	1/2	3,938.26	1/2	3,578.23	1/2	3,218.20	1/2	2,858.17	1/2	2,498.09
3/4	3/4	3/4	3/4	3/4	5,006.68	3/4	4,649.16	3/4	4,290.18	3/4	3,930.76	3/4	3,570.73	3/4	3,210.70	3/4	2,850.67	3/4	2,490.59
11	11	11	11	11	4,999.28	11	4,641.69	11	4,282.70	11	3,923.26	11	3,563.23	11	3,203.20	11	2,843.17	11	2,483.08
1/4	1/4	1/4	1/4	1/4	4,991.87	1/4	4,634.21	1/4	4,275.22	1/4	3,915.75	1/4	3,555.73	1/4	3,195.70	1/4	2,835.67	1/4	2,475.58
1/2	1/2	1/2	1/2	1/2	4,984.47	1/2	4,626.73	1/2	4,267.74	1/2	3,908.25	1/2	3,548.23	1/2	3,188.20	1/2	2,828.17	1/2	2,468.08
3/4	3/4	3/4	3/4	3/4	4,977.06	3/4	4,619.25	3/4	4,260.26	3/4	3,900.75	3/4	3,540.72	3/4	3,180.70	3/4	2,820.67	3/4	2,460.58

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 29144"

**2 STBD
ULLAGE TABLE
HERMETIC**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 314"

GAUGE HEIGHT 15'-09 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	2,092.94	0	1,732.80	0	1,372.67	0	1,012.77	0	652.91	0	292.77	0		0		0		0	
1/4	2,085.44	1/4	1,725.30	1/4	1,365.17	1/4	1,005.28	1/4	645.40	1/4	285.27	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,077.93	1/2	1,717.80	1/2	1,357.66	1/2	997.79	1/2	637.90	1/2	277.77	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,070.43	3/4	1,710.30	3/4	1,350.16	3/4	990.30	3/4	630.40	3/4	270.26	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,062.93	1	1,702.79	1	1,342.66	1	982.81	1	622.90	1	262.76	1	1	1	1	1	1	1	1
1/4	2,055.43	1/4	1,695.29	1/4	1,335.16	1/4	975.33	1/4	615.39	1/4	255.26	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,047.92	1/2	1,687.79	1/2	1,327.65	1/2	967.84	1/2	607.89	1/2	247.76	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,040.42	3/4	1,680.29	3/4	1,320.15	3/4	960.35	3/4	600.39	3/4	240.25	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,032.92	2	1,672.78	2	1,312.65	2	952.86	2	592.88	2	232.75	2	2	2	2	2	2	2	2
1/4	2,025.41	1/4	1,665.28	1/4	1,305.15	1/4	945.37	1/4	585.38	1/4	225.25	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,017.91	1/2	1,657.78	1/2	1,297.64	1/2	937.88	1/2	577.88	1/2	217.74	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,010.41	3/4	1,650.27	3/4	1,290.14	3/4	930.39	3/4	570.38	3/4	210.24	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	2,002.91	3	1,642.77	3	1,282.64	3	922.91	3	562.87	3	202.74	3	3	3	3	3	3	3	3
1/4	1,995.40	1/4	1,635.27	1/4	1,275.13	1/4	915.42	1/4	555.37	1/4	195.24	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,987.90	1/2	1,627.77	1/2	1,267.63	1/2	907.93	1/2	547.87	1/2	187.73	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,980.40	3/4	1,620.26	3/4	1,260.13	3/4	900.44	3/4	540.36	3/4	180.23	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,972.89	4	1,612.76	4	1,252.63	4	892.95	4	532.86	4	172.73	4	4	4	4	4	4	4	4
1/4	1,965.39	1/4	1,605.26	1/4	1,245.12	1/4	885.46	1/4	525.36	1/4	165.22	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,957.89	1/2	1,597.75	1/2	1,237.62	1/2	877.98	1/2	517.86	1/2	157.72	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,950.39	3/4	1,590.25	3/4	1,230.12	3/4	870.49	3/4	510.35	3/4	150.22	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,942.88	5	1,582.75	5	1,222.61	5	862.98	5	502.85	5	142.72	5	5	5	5	5	5	5	5
1/4	1,935.38	1/4	1,575.25	1/4	1,215.11	1/4	855.48	1/4	495.35	1/4	135.22	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,927.88	1/2	1,567.74	1/2	1,207.61	1/2	847.98	1/2	487.84	1/2	127.71	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,920.37	3/4	1,560.24	3/4	1,200.11	3/4	840.48	3/4	480.34	3/4	120.21	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,912.87	6	1,552.74	6	1,192.60	6	832.97	6	472.84	6	112.72	6	6	6	6	6	6	6	6
1/4	1,905.37	1/4	1,545.23	1/4	1,185.10	1/4	825.47	1/4	465.34	1/4	105.23	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,897.87	1/2	1,537.73	1/2	1,177.60	1/2	817.97	1/2	457.83	1/2	97.74	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,890.36	3/4	1,530.23	3/4	1,170.09	3/4	810.47	3/4	450.33	3/4	90.24	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,882.86	7	1,522.73	7	1,162.60	7	802.96	7	442.83	7	82.78	7	7	7	7	7	7	7	7
1/4	1,875.36	1/4	1,515.22	1/4	1,155.10	1/4	795.46	1/4	435.33	1/4	75.31	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,867.86	1/2	1,507.72	1/2	1,147.60	1/2	787.96	1/2	427.82	1/2	67.85	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,860.35	3/4	1,500.22	3/4	1,140.11	3/4	780.45	3/4	420.32	3/4	60.38	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,852.85	8	1,492.72	8	1,132.61	8	772.95	8	412.82	8	53.82	8	8	8	8	8	8	8	8
1/4	1,845.35	1/4	1,485.21	1/4	1,125.11	1/4	765.45	1/4	405.31	1/4	47.25	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,837.84	1/2	1,477.71	1/2	1,117.61	1/2	757.95	1/2	397.81	1/2	40.69	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,830.34	3/4	1,470.21	3/4	1,110.12	3/4	750.44	3/4	390.31	3/4	34.12	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,822.84	9	1,462.70	9	1,102.63	9	742.94	9	382.81	9	29.44	9	9	9	9	9	9	9	9
1/4	1,815.34	1/4	1,455.20	1/4	1,095.14	1/4	735.44	1/4	375.30	1/4	24.75	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,807.83	1/2	1,447.70	1/2	1,087.65	1/2	727.93	1/2	367.80	1/2	20.06	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,800.33	3/4	1,440.20	3/4	1,080.16	3/4	720.43	3/4	360.30	3/4	15.37	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,792.83	10	1,432.69	10	1,072.67	10	712.93	10	352.79	10	=====	10	10	10	10	10	10	10	10
1/4	1,785.32	1/4	1,425.19	1/4	1,065.19	1/4	705.43	1/4	345.29	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,777.82	1/2	1,417.69	1/2	1,057.70	1/2	697.92	1/2	337.79	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,770.32	3/4	1,410.18	3/4	1,050.21	3/4	690.42	3/4	330.29	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,762.82	11	1,402.68	11	1,042.72	11	682.92	11	322.78	11		11	11	11	11	11	11	11	11
1/4	1,755.31	1/4	1,395.18	1/4	1,035.23	1/4	675.41	1/4	315.28	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,747.81	1/2	1,387.68	1/2	1,027.74	1/2	667.91	1/2	307.78	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,740.31	3/4	1,380.17	3/4	1,020.26	3/4	660.41	3/4	300.27	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/26/2019 CL
CALCULATED: 06/27/2019 CL
RENAMED: 06/15/2023 CL

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023



BARGE "CTC 29144"

3 PORT ULLAGE TABLE

HERMETIC GAUGE HEIGHT 15'-09 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 314"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
					4,359.04				4,140.52				3,921.43				3,702.00		
1/4		1/4		1/4	4,354.52	1/4		1/4	4,135.96	1/4		1/4	3,916.87	1/4		1/4	3,697.42	1/4	
1/2		1/2		1/2	4,350.00	1/2		1/2	4,131.40	1/2		1/2	3,912.30	1/2		1/2	3,692.84	1/2	
3/4		3/4		3/4	4,345.48	3/4		3/4	4,126.83	3/4		3/4	3,907.74	3/4		3/4	3,688.26	3/4	
1	1	1		1	4,340.96	1		1	4,122.27	1		1	3,903.18	1		1	3,683.69	1	
1/4		1/4		1/4	4,336.44	1/4		1/4	4,117.70	1/4		1/4	3,898.61	1/4		1/4	3,679.11	1/4	
1/2		1/2		1/2	4,331.92	1/2		1/2	4,113.14	1/2		1/2	3,894.05	1/2		1/2	3,674.53	1/2	
3/4		3/4		3/4	4,327.40	3/4		3/4	4,108.57	3/4		3/4	3,889.48	3/4		3/4	3,669.96	3/4	
2	2	2		2	4,322.88	2		2	4,104.01	2		2	3,884.92	2		2	3,665.38	2	
1/4		1/4		1/4	4,318.36	1/4		1/4	4,099.44	1/4		1/4	3,880.35	1/4		1/4	3,660.80	1/4	
1/2		1/2		1/2	4,313.84	1/2		1/2	4,094.88	1/2		1/2	3,875.79	1/2		1/2	3,656.22	1/2	
3/4		3/4		3/4	4,309.32	3/4		3/4	4,090.32	3/4		3/4	3,871.22	3/4		3/4	3,651.65	3/4	
3	3	3		3	4,304.80	3		3	4,085.75	3		3	3,866.66	3		3	3,647.07	3	
1/4		1/4		1/4	4,300.28	1/4		1/4	4,081.19	1/4		1/4	3,862.10	1/4		1/4	3,642.49	1/4	
1/2		1/2		1/2	4,295.71	1/2		1/2	4,076.62	1/2		1/2	3,857.53	1/2		1/2	3,637.92	1/2	
3/4		3/4		3/4	4,291.15	3/4		3/4	4,072.06	3/4		3/4	3,852.97	3/4		3/4	3,633.34	3/4	
4	4	4		4	4,286.58	4		4	4,067.49	4		4	3,848.40	4		4	3,628.76	4	
1/4		1/4		1/4	4,282.02	1/4		1/4	4,062.93	1/4		1/4	3,843.84	1/4		1/4	3,624.18	1/4	
1/2		1/2		1/2	4,277.46	1/2		1/2	4,058.36	1/2		1/2	3,839.27	1/2		1/2	3,619.61	1/2	
3/4		3/4		3/4	4,272.89	3/4		3/4	4,053.80	3/4		3/4	3,834.71	3/4		3/4	3,615.03	3/4	
5	5	5		5	4,268.33	5		5	4,049.24	5		5	3,830.14	5		5	3,610.45	5	
1/4		1/4		1/4	4,263.76	1/4		1/4	4,044.67	1/4		1/4	3,825.58	1/4		1/4	3,605.87	1/4	
1/2		1/2		1/2	4,259.20	1/2		1/2	4,040.11	1/2		1/2	3,821.00	1/2		1/2	3,601.30	1/2	
3/4		3/4		3/4	4,254.63	3/4		3/4	4,035.54	3/4		3/4	3,816.43	3/4		3/4	3,596.72	3/4	
6	6	6		6	4,250.07	6		6	4,030.98	6		6	3,811.85	6		6	3,592.14	6	
1/4		1/4		1/4	4,455.17	1/4		1/4	4,245.51	1/4		1/4	3,807.27	1/4		1/4	3,587.57	1/4	
1/2		1/2		1/2	4,451.98	1/2		1/2	4,240.94	1/2		1/2	3,802.69	1/2		1/2	3,582.99	1/2	
3/4		3/4		3/4	4,448.80	3/4		3/4	4,236.38	3/4		3/4	3,798.12	3/4		3/4	3,578.41	3/4	
7	7	7		7	4,445.61	7		7	4,231.81	7		7	3,793.54	7		7	3,573.83	7	
1/4		1/4		1/4	4,442.43	1/4		1/4	4,008.16	1/4		1/4	3,788.96	1/4		1/4	3,569.26	1/4	
1/2		1/2		1/2	4,438.48	1/2		1/2	4,003.59	1/2		1/2	3,784.39	1/2		1/2	3,564.68	1/2	
3/4		3/4		3/4	4,434.53	3/4		3/4	3,999.03	3/4		3/4	3,779.81	3/4		3/4	3,560.10	3/4	
8	8	8		8	4,430.58	8		8	3,994.46	8		8	3,775.23	8		8	3,555.53	8	
1/4		1/4		1/4	4,426.64	1/4		1/4	3,989.90	1/4		1/4	3,770.65	1/4		1/4	3,550.95	1/4	
1/2		1/2		1/2	4,422.16	1/2		1/2	3,985.33	1/2		1/2	3,766.08	1/2		1/2	3,546.13	1/2	
3/4		3/4		3/4	4,417.68	3/4		3/4	3,980.77	3/4		3/4	3,761.50	3/4		3/4	3,541.31	3/4	
9	9	9		9	4,413.20	9		9	3,976.21	9		9	3,756.92	9		9	3,536.50	9	
1/4		1/4		1/4	4,408.73	1/4		1/4	3,971.64	1/4		1/4	3,752.35	1/4		1/4	3,531.68	1/4	
1/2		1/2		1/2	4,404.22	1/2		1/2	3,967.08	1/2		1/2	3,747.77	1/2		1/2	3,526.42	1/2	
3/4		3/4		3/4	4,399.70	3/4		3/4	3,962.51	3/4		3/4	3,743.19	3/4		3/4	3,521.16	3/4	
10	10	10		10	4,395.19	10		10	3,957.95	10		10	3,738.61	10		10	3,515.90	10	
1/4		1/4		1/4	4,390.68	1/4		1/4	3,953.38	1/4		1/4	3,734.04	1/4		1/4	3,510.64	1/4	
1/2		1/2		1/2	4,386.16	1/2		1/2	3,948.82	1/2		1/2	3,729.46	1/2		1/2	3,504.90	1/2	
3/4		3/4		3/4	4,381.64	3/4		3/4	3,944.25	3/4		3/4	3,724.88	3/4		3/4	3,499.17	3/4	
11	11	11		11	4,377.12	11		11	3,939.69	11		11	3,720.30	11		11	3,493.43	11	
1/4		1/4		1/4	4,372.60	1/4		1/4	3,935.13	1/4		1/4	3,715.73	1/4		1/4	3,487.69	1/4	
1/2		1/2		1/2	4,368.08	1/2		1/2	3,930.56	1/2		1/2	3,711.15	1/2		1/2	3,481.48	1/2	
3/4		3/4		3/4	4,363.56	3/4		3/4	3,926.00	3/4		3/4	3,706.57	3/4		3/4	3,475.27	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 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 29144"

3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 314"

GAUGE HEIGHT 15'-09 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	2,048.08	0	1,691.65	0	1,334.54	0	984.40	0	633.44	0	276.05	0		0		0		0	
1/4	2,040.67	1/4	1,684.21	1/4	1,327.10	1/4	977.25	1/4	626.00	1/4	268.60	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,033.24	1/2	1,676.77	1/2	1,319.66	1/2	970.10	1/2	618.55	1/2	261.14	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,025.82	3/4	1,669.33	3/4	1,312.22	3/4	962.96	3/4	611.11	3/4	253.68	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,018.40	1	1,661.89	1	1,304.78	1	955.81	1	603.66	1	246.23	1	1	1	1	1	1	1	1
1/4	2,010.97	1/4	1,654.45	1/4	1,297.34	1/4	948.66	1/4	596.22	1/4	238.77	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,003.55	1/2	1,647.01	1/2	1,289.90	1/2	941.51	1/2	588.77	1/2	231.32	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,996.13	3/4	1,639.57	3/4	1,282.46	3/4	934.36	3/4	581.33	3/4	223.86	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,988.70	2	1,632.13	2	1,275.02	2	927.21	2	573.88	2	216.40	2	2	2	2	2	2	2	2
1/4	1,981.28	1/4	1,624.69	1/4	1,267.58	1/4	920.07	1/4	566.44	1/4	208.95	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,973.86	1/2	1,617.25	1/2	1,260.14	1/2	912.92	1/2	558.99	1/2	201.49	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,966.43	3/4	1,609.81	3/4	1,252.70	3/4	905.77	3/4	551.55	3/4	194.03	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,959.01	3	1,602.37	3	1,245.26	3	898.62	3	544.10	3	186.58	3	3	3	3	3	3	3	3
1/4	1,951.59	1/4	1,594.93	1/4	1,237.82	1/4	891.47	1/4	536.66	1/4	179.12	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,944.16	1/2	1,587.49	1/2	1,230.38	1/2	884.33	1/2	529.21	1/2	171.66	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,936.74	3/4	1,580.05	3/4	1,222.94	3/4	877.18	3/4	521.77	3/4	164.21	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,929.32	4	1,572.61	4	1,215.50	4	870.03	4	514.32	4	156.75	4	4	4	4	4	4	4	4
1/4	1,921.89	1/4	1,565.17	1/4	1,208.06	1/4	862.88	1/4	506.88	1/4	149.29	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,914.47	1/2	1,557.73	1/2	1,200.62	1/2	855.71	1/2	499.44	1/2	141.84	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,907.04	3/4	1,550.29	3/4	1,193.18	3/4	848.54	3/4	491.99	3/4	134.38	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,899.62	5	1,542.85	5	1,185.74	5	841.37	5	484.55	5	126.93	5	5	5	5	5	5	5	5
1/4	1,892.20	1/4	1,535.41	1/4	1,178.30	1/4	834.20	1/4	477.10	1/4	119.47	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,884.77	1/2	1,527.97	1/2	1,171.07	1/2	826.82	1/2	469.66	1/2	112.03	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,877.35	3/4	1,520.53	3/4	1,163.84	3/4	819.44	3/4	462.21	3/4	104.58	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,869.93	6	1,513.09	6	1,156.60	6	812.06	6	454.77	6	97.14	6	6	6	6	6	6	6	6
1/4	1,862.50	1/4	1,505.65	1/4	1,149.37	1/4	804.68	1/4	447.32	1/4	89.69	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,855.08	1/2	1,498.21	1/2	1,142.15	1/2	797.23	1/2	439.88	1/2	82.27	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,847.66	3/4	1,490.77	3/4	1,134.93	3/4	789.79	3/4	432.43	3/4	74.85	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,840.23	7	1,483.33	7	1,127.72	7	782.34	7	424.99	7	67.43	7	7	7	7	7	7	7	7
1/4	1,832.81	1/4	1,475.90	1/4	1,120.50	1/4	774.90	1/4	417.54	1/4	60.01	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,825.39	1/2	1,468.46	1/2	1,113.28	1/2	767.45	1/2	410.10	1/2	53.49	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,817.96	3/4	1,461.02	3/4	1,106.06	3/4	760.01	3/4	402.65	3/4	46.96	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,810.54	8	1,453.58	8	1,098.84	8	752.56	8	395.21	8	40.44	8	8	8	8	8	8	8	8
1/4	1,803.12	1/4	1,446.14	1/4	1,091.62	1/4	745.12	1/4	387.76	1/4	33.92	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,795.69	1/2	1,438.70	1/2	1,084.47	1/2	737.67	1/2	380.32	1/2	29.26	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,788.27	3/4	1,431.26	3/4	1,077.33	3/4	730.23	3/4	372.87	3/4	24.60	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,780.85	9	1,423.82	9	1,070.18	9	722.78	9	365.43	9	19.94	9	9	9	9	9	9	9	9
1/4	1,773.42	1/4	1,416.38	1/4	1,063.03	1/4	715.34	1/4	357.98	1/4	15.28	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,766.00	1/2	1,408.94	1/2	1,055.88	1/2	707.89	1/2	350.54	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,758.57	3/4	1,401.50	3/4	1,048.73	3/4	700.45	3/4	343.09	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,751.15	10	1,394.06	10	1,041.59	10	693.00	10	335.65	10		10	10	10	10	10	10	10	10
1/4	1,743.73	1/4	1,386.62	1/4	1,034.44	1/4	685.56	1/4	328.20	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,736.29	1/2	1,379.18	1/2	1,027.29	1/2	678.11	1/2	320.76	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,728.85	3/4	1,371.74	3/4	1,020.14	3/4	670.67	3/4	313.31	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,721.41	11	1,364.30	11	1,012.99	11	663.22	11	305.87	11		11	11	11	11	11	11	11	11
1/4	1,713.97	1/4	1,356.86	1/4	1,005.84	1/4	655.78	1/4	298.42	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,706.53	1/2	1,349.42	1/2	998.70	1/2	648.33	1/2	290.97	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,699.09	3/4	1,341.98	3/4	991.55	3/4	640.89	3/4	283.51	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/26/2019 CL
CALCULATED: 06/27/2019 CL
RENAMED: 06/15/2023 CL

PRECISION MEASUREMENT
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023





BARGE "CTC 29144"

3 STBD ULLAGE TABLE

HERMETIC GAUGE HEIGHT 15'-09"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 314"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	4,370.29	0	4,151.93	0	3,933.03	0	3,713.78	0	3,479.39	0	3,127.27	0	2,770.21	0	2,413.08
1/4		1/4		1/4	4,365.78	1/4	4,147.37	1/4	3,928.47	1/4	3,709.21	1/4	3,472.70	1/4	3,119.83	1/4	2,762.77	1/4	2,405.63
1/2		1/2		1/2	4,361.26	1/2	4,142.81	1/2	3,923.91	1/2	3,704.63	1/2	3,466.00	1/2	3,112.39	1/2	2,755.33	1/2	2,398.18
3/4		3/4		3/4	4,356.75	3/4	4,138.25	3/4	3,919.35	3/4	3,700.06	3/4	3,459.31	3/4	3,104.95	3/4	2,747.89	3/4	2,390.73
1		1		1	4,352.23	1	4,133.69	1	3,914.79	1	3,695.49	1	3,452.62	1	3,097.51	1	2,740.45	1	2,383.28
1/4		1/4		1/4	4,347.72	1/4	4,129.13	1/4	3,910.23	1/4	3,690.91	1/4	3,445.45	1/4	3,090.07	1/4	2,733.01	1/4	2,375.83
1/2		1/2		1/2	4,343.20	1/2	4,124.57	1/2	3,905.67	1/2	3,686.34	1/2	3,438.28	1/2	3,082.63	1/2	2,725.58	1/2	2,368.39
3/4		3/4		3/4	4,338.68	3/4	4,120.01	3/4	3,901.11	3/4	3,681.77	3/4	3,431.11	3/4	3,075.19	3/4	2,718.14	3/4	2,360.94
2		2		2	4,334.17	2	4,115.45	2	3,896.55	2	3,677.19	2	3,423.94	2	3,067.76	2	2,710.70	2	2,353.49
1/4		1/4		1/4	4,329.65	1/4	4,110.89	1/4	3,891.99	1/4	3,672.62	1/4	3,416.54	1/4	3,060.32	1/4	2,703.26	1/4	2,346.04
1/2		1/2		1/2	4,325.14	1/2	4,106.33	1/2	3,887.43	1/2	3,668.05	1/2	3,409.15	1/2	3,052.88	1/2	2,695.82	1/2	2,338.59
3/4		3/4		3/4	4,320.62	3/4	4,101.77	3/4	3,882.87	3/4	3,663.47	3/4	3,401.75	3/4	3,045.44	3/4	2,688.38	3/4	2,331.14
3		3		3	4,316.11	3	4,097.21	3	3,878.31	3	3,658.90	3	3,394.36	3	3,038.00	3	2,680.94	3	2,323.69
1/4		1/4		1/4	4,311.55	1/4	4,092.65	1/4	3,873.75	1/4	3,654.33	1/4	3,386.95	1/4	3,030.56	1/4	2,673.50	1/4	2,316.24
1/2		1/2		1/2	4,306.99	1/2	4,088.09	1/2	3,869.19	1/2	3,649.76	1/2	3,379.54	1/2	3,023.12	1/2	2,666.07	1/2	2,308.79
3/4		3/4		3/4	4,302.43	3/4	4,083.53	3/4	3,864.63	3/4	3,645.18	3/4	3,372.14	3/4	3,015.69	3/4	2,658.63	3/4	2,301.35
4		4		4	4,297.87	4	4,078.97	4	3,860.07	4	3,640.61	4	3,364.73	4	3,008.25	4	2,651.19	4	2,293.90
1/4		1/4		1/4	4,293.31	1/4	4,074.41	1/4	3,855.51	1/4	3,636.04	1/4	3,357.32	1/4	3,000.81	1/4	2,643.75	1/4	2,286.45
1/2		1/2		1/2	4,288.74	1/2	4,069.85	1/2	3,850.95	1/2	3,631.46	1/2	3,349.91	1/2	2,993.37	1/2	2,636.31	1/2	2,279.00
3/4		3/4		3/4	4,284.18	3/4	4,065.29	3/4	3,846.39	3/4	3,626.89	3/4	3,342.50	3/4	2,985.93	3/4	2,628.87	3/4	2,271.55
5		5		5	4,279.62	5	4,060.72	5	3,841.83	5	3,622.32	5	3,335.09	5	2,978.49	5	2,621.43	5	2,264.10
1/4		1/4		1/4	4,275.06	1/4	4,056.16	1/4	3,837.25	1/4	3,617.74	1/4	3,327.68	1/4	2,971.05	1/4	2,613.99	1/4	2,256.65
1/2		1/2		1/2	4,270.50	1/2	4,051.60	1/2	3,832.68	1/2	3,613.17	1/2	3,320.27	1/2	2,963.61	1/2	2,606.55	1/2	2,249.20
3/4		3/4		3/4	4,265.94	3/4	4,047.04	3/4	3,828.11	3/4	3,608.60	3/4	3,312.86	3/4	2,956.18	3/4	2,599.11	3/4	2,241.75
6		6	4,470.85	6	4,261.38	6	4,042.48	6	3,823.53	6	3,604.02	6	3,305.45	6	2,948.74	6	2,591.67	6	2,234.31
1/4		1/4	4,467.67	1/4	4,256.82	1/4	4,037.92	1/4	3,818.96	1/4	3,599.45	1/4	3,298.04	1/4	2,941.30	1/4	2,584.23	1/4	2,226.86
1/2		1/2	4,464.49	1/2	4,252.26	1/2	4,033.36	1/2	3,814.39	1/2	3,594.88	1/2	3,290.63	1/2	2,933.86	1/2	2,576.79	1/2	2,219.41
3/4		3/4	4,461.30	3/4	4,247.70	3/4	4,028.80	3/4	3,809.81	3/4	3,590.31	3/4	3,283.22	3/4	2,926.42	3/4	2,569.35	3/4	2,211.96
7		7	4,458.12	7	4,243.14	7	4,024.24	7	3,805.24	7	3,585.73	7	3,275.81	7	2,918.98	7	2,561.91	7	2,204.51
1/4		1/4	4,454.18	1/4	4,238.58	1/4	4,019.68	1/4	3,800.67	1/4	3,581.16	1/4	3,268.40	1/4	2,911.54	1/4	2,554.47	1/4	2,197.06
1/2		1/2	4,450.23	1/2	4,234.02	1/2	4,015.12	1/2	3,796.09	1/2	3,576.59	1/2	3,260.99	1/2	2,904.10	1/2	2,547.03	1/2	2,189.61
3/4		3/4	4,446.29	3/4	4,229.46	3/4	4,010.56	3/4	3,791.52	3/4	3,572.01	3/4	3,253.58	3/4	2,896.67	3/4	2,539.59	3/4	2,182.16
8		8	4,442.34	8	4,224.90	8	4,006.00	8	3,786.95	8	3,567.44	8	3,246.17	8	2,889.23	8	2,532.15	8	2,174.71
1/4		1/4	4,437.87	1/4	4,220.34	1/4	4,001.44	1/4	3,782.38	1/4	3,562.63	1/4	3,238.76	1/4	2,881.79	1/4	2,524.71	1/4	2,167.27
1/2		1/2	4,433.40	1/2	4,215.78	1/2	3,996.88	1/2	3,777.80	1/2	3,557.81	1/2	3,231.35	1/2	2,874.35	1/2	2,517.27	1/2	2,159.82
3/4		3/4	4,428.92	3/4	4,211.22	3/4	3,992.32	3/4	3,773.23	3/4	3,553.00	3/4	3,223.94	3/4	2,866.91	3/4	2,509.83	3/4	2,152.37
9		9	4,424.45	9	4,206.66	9	3,987.76	9	3,768.66	9	3,548.19	9	3,216.53	9	2,859.47	9	2,502.39	9	2,144.92
1/4		1/4	4,419.94	1/4	4,202.10	1/4	3,983.20	1/4	3,764.08	1/4	3,542.93	1/4	3,209.09	1/4	2,852.03	1/4	2,494.95	1/4	2,137.47
1/2		1/2	4,415.43	1/2	4,197.54	1/2	3,978.64	1/2	3,759.51	1/2	3,537.68	1/2	3,201.65	1/2	2,844.59	1/2	2,487.51	1/2	2,130.02
3/4		3/4	4,410.93	3/4	4,192.98	3/4	3,974.08	3/4	3,754.94	3/4	3,532.43	3/4	3,194.21	3/4	2,837.16	3/4	2,480.07	3/4	2,122.57
10		10	4,406.42	10	4,188.42	10	3,969.52	10	3,750.36	10	3,527.17	10	3,186.78	10	2,829.72	10	2,472.63	10	2,115.12
1/4		1/4	4,401.90	1/4	4,183.86	1/4	3,964.96	1/4	3,745.79	1/4	3,521.44	1/4	3,179.34	1/4	2,822.28	1/4	2,465.19	1/4	2,107.67
1/2		1/2	4,397.39	1/2	4,179.30	1/2	3,960.40	1/2	3,741.22	1/2	3,515.70	1/2	3,171.90	1/2	2,814.84	1/2	2,457.75	1/2	2,100.22
3/4		3/4	4,392.87	3/4	4,174.73	3/4	3,955.84	3/4	3,736.64	3/4	3,509.97	3/4	3,164.46	3/4	2,807.40	3/4	2,450.31	3/4	2,092.78
11		11	4,388.36	11	4,170.17	11	3,951.28	11	3,732.07	11	3,504.24	11	3,157.02	11	2,799.96	11	2,442.87	11	2,085.33
1/4		1/4	4,383.84	1/4	4,165.61	1/4	3,946.71	1/4	3,727.50	1/4	3,498.03	1/4	3,149.58	1/4	2,792.52	1/4	2,435.43	1/4	2,077.88
1/2		1/2	4,379.33	1/2	4,161.05	1/2	3,942.15	1/2	3,722.92	1/2	3,491.81	1/2	3,142.14	1/2	2,785.09	1/2	2,427.98	1/2	2,070.43
3/4		3/4	4,374.81	3/4	4,156.49	3/4	3,937.59	3/4	3,718.35	3/4	3,485.60	3/4	3,134.70	3/4	2,777.65	3/4	2,420.53	3/4	2,062.98

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CTC 29144"

3 STBD
ULLAGE TABLE
HERMETIC
GAUGE HEIGHT 15'-09"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 314"

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	2,055.53	0	1,697.98	0	1,340.44	0	983.16	0	625.86	0	268.32	0		0		0		0	
1/4	2,048.08	1/4	1,690.54	1/4	1,332.99	1/4	975.73	1/4	618.41	1/4	260.87	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,040.63	1/2	1,683.09	1/2	1,325.54	1/2	968.30	1/2	610.96	1/2	253.42	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,033.18	3/4	1,675.64	3/4	1,318.09	3/4	960.86	3/4	603.51	3/4	245.97	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,025.74	1	1,668.19	1	1,310.64	1	953.43	1	596.06	1	238.52	1	1	1	1	1	1	1	1
1/4	2,018.29	1/4	1,660.74	1/4	1,303.19	1/4	945.99	1/4	588.61	1/4	231.07	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,010.84	1/2	1,653.29	1/2	1,295.74	1/2	938.56	1/2	581.16	1/2	223.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,003.39	3/4	1,645.84	3/4	1,288.29	3/4	931.12	3/4	573.71	3/4	216.18	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,995.94	2	1,638.39	2	1,280.85	2	923.69	2	566.27	2	208.73	2	2	2	2	2	2	2	2
1/4	1,988.49	1/4	1,630.94	1/4	1,273.40	1/4	916.25	1/4	558.82	1/4	201.28	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,981.04	1/2	1,623.50	1/2	1,265.95	1/2	908.82	1/2	551.37	1/2	193.83	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,973.59	3/4	1,616.05	3/4	1,258.50	3/4	901.39	3/4	543.92	3/4	186.38	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,966.14	3	1,608.60	3	1,251.05	3	893.95	3	536.47	3	178.93	3	3	3	3	3	3	3	3
1/4	1,958.70	1/4	1,601.15	1/4	1,243.60	1/4	886.52	1/4	529.02	1/4	171.48	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,951.25	1/2	1,593.70	1/2	1,236.15	1/2	879.08	1/2	521.57	1/2	164.04	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,943.80	3/4	1,586.25	3/4	1,228.70	3/4	871.65	3/4	514.13	3/4	156.59	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,936.35	4	1,578.80	4	1,221.25	4	864.21	4	506.68	4	149.14	4	4	4	4	4	4	4	4
1/4	1,928.90	1/4	1,571.35	1/4	1,213.81	1/4	856.77	1/4	499.23	1/4	141.69	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,921.45	1/2	1,563.90	1/2	1,206.36	1/2	849.32	1/2	491.78	1/2	134.24	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,914.00	3/4	1,556.46	3/4	1,198.91	3/4	841.87	3/4	484.33	3/4	126.80	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,906.55	5	1,549.01	5	1,191.46	5	834.42	5	476.88	5	119.35	5	5	5	5	5	5	5	5
1/4	1,899.10	1/4	1,541.56	1/4	1,184.01	1/4	826.97	1/4	469.43	1/4	111.91	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,891.66	1/2	1,534.11	1/2	1,176.56	1/2	819.52	1/2	461.98	1/2	104.47	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,884.21	3/4	1,526.66	3/4	1,169.11	3/4	812.07	3/4	454.54	3/4	97.03	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,876.76	6	1,519.21	6	1,161.66	6	804.62	6	447.09	6	89.60	6	6	6	6	6	6	6	6
1/4	1,869.31	1/4	1,511.76	1/4	1,154.22	1/4	797.18	1/4	439.64	1/4	82.18	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,861.86	1/2	1,504.31	1/2	1,146.78	1/2	789.73	1/2	432.19	1/2	74.77	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,854.41	3/4	1,496.86	3/4	1,139.33	3/4	782.28	3/4	424.74	3/4	67.36	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,846.96	7	1,489.42	7	1,131.89	7	774.83	7	417.29	7	59.95	7	7	7	7	7	7	7	7
1/4	1,839.51	1/4	1,481.97	1/4	1,124.45	1/4	767.38	1/4	409.84	1/4	53.43	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,832.06	1/2	1,474.52	1/2	1,117.00	1/2	759.93	1/2	402.39	1/2	46.91	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,824.62	3/4	1,467.07	3/4	1,109.56	3/4	752.48	3/4	394.95	3/4	40.40	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,817.17	8	1,459.62	8	1,102.11	8	745.03	8	387.50	8	33.88	8	8	8	8	8	8	8	8
1/4	1,809.72	1/4	1,452.17	1/4	1,094.68	1/4	737.59	1/4	380.05	1/4	29.23	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,802.27	1/2	1,444.72	1/2	1,087.25	1/2	730.14	1/2	372.60	1/2	24.57	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,794.82	3/4	1,437.27	3/4	1,079.81	3/4	722.69	3/4	365.15	3/4	19.92	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,787.37	9	1,429.82	9	1,072.38	9	715.24	9	357.70	9	15.26	9	9	9	9	9	9	9	9
1/4	1,779.92	1/4	1,422.38	1/4	1,064.94	1/4	707.79	1/4	350.25	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,772.47	1/2	1,414.93	1/2	1,057.51	1/2	700.34	1/2	342.80	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,765.02	3/4	1,407.48	3/4	1,050.07	3/4	692.89	3/4	335.36	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,757.58	10	1,400.03	10	1,042.64	10	685.45	10	327.91	10	10	10	10	10	10	10	10	10	10
1/4	1,750.13	1/4	1,392.58	1/4	1,035.21	1/4	678.00	1/4	320.46	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,742.68	1/2	1,385.13	1/2	1,027.77	1/2	670.55	1/2	313.01	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,735.23	3/4	1,377.68	3/4	1,020.34	3/4	663.10	3/4	305.56	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
11	1,727.78	11	1,370.23	11	1,012.90	11	655.65	11	298.11	11	11	11	11	11	11	11	11	11	11
1/4	1,720.33	1/4	1,362.78	1/4	1,005.47	1/4	648.20	1/4	290.66	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,712.88	1/2	1,355.33	1/2	998.03	1/2	640.75	1/2	283.22	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,705.43	3/4	1,347.89	3/4	990.60	3/4	633.30	3/4	275.77	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/26/2019 CL
CALCULATED: 06/27/2019 CL
RENAMED: 06/15/2023 CL

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
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CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023