



BARGE "E2MS 312"

INNAGE (10" HATCH)

	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	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-1/8	- 06-1/8	08-1/8	- 08-1/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8
1 STBD	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-1/8	- 06-1/8	08-1/8	- 08-1/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8
2 PORT	02-0/8	- 02-0/8	04-1/8	- 04-1/8	06-1/8	- 06-1/8	08-1/8	- 08-1/8	10-1/8	- 10-1/8	12-1/4	- 12-1/4
2 STBD	02-0/8	- 02-0/8	04-1/8	- 04-1/8	06-1/8	- 06-1/8	08-1/8	- 08-1/8	10-1/4	- 10-1/4	12-1/4	- 12-1/4
3 PORT	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-1/8	06-1/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8
3 STBD	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-1/8	06-1/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8

(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 - 08-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 3'-03 7/8"

LENGTH BETWEEN DRAFT MARKS: 235'-09"

January 7, 2019

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "E2MS 312"

1 PORT

INNAGE TABLE

10" HATCH

GAUGE HEIGHT 17'-06 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,468.87	0	3,826.72	0	4,184.00	0	4,540.81	0	4,896.29	0		0		0		0		0	
1/4	3,476.33	1/4	3,834.17	1/4	4,191.44	1/4	4,548.24	1/4	4,903.64	1/4		1/4		1/4		1/4		1/4	
1/2	3,483.78	1/2	3,841.63	1/2	4,198.87	1/2	4,555.67	1/2	4,910.99	1/2		1/2		1/2		1/2		1/2	
3/4	3,491.24	3/4	3,849.08	3/4	4,206.30	3/4	4,563.11	3/4	4,918.34	3/4		3/4		3/4		3/4		3/4	
1	3,498.69	1	3,856.54	1	4,213.74	1	4,570.54	1	4,925.70	1		1		1		1		1	
1/4	3,506.15	1/4	3,863.99	1/4	4,221.17	1/4	4,577.97	1/4	4,933.02	1/4		1/4		1/4		1/4		1/4	
1/2	3,513.60	1/2	3,871.45	1/2	4,228.60	1/2	4,585.41	1/2	4,940.34	1/2		1/2		1/2		1/2		1/2	
3/4	3,521.06	3/4	3,878.90	3/4	4,236.04	3/4	4,592.84	3/4	4,947.66	3/4		3/4		3/4		3/4		3/4	
2	3,528.51	2	3,886.36	2	4,243.47	2	4,600.27	2	4,954.97	2		2		2		2		2	
1/4	3,535.97	1/4	3,893.81	1/4	4,250.90	1/4	4,607.71	1/4	4,961.83	1/4		1/4		1/4		1/4		1/4	
1/2	3,543.42	1/2	3,901.27	1/2	4,258.34	1/2	4,615.14	1/2	4,968.70	1/2		1/2		1/2		1/2		1/2	
3/4	3,550.88	3/4	3,908.72	3/4	4,265.77	3/4	4,622.57	3/4	4,975.56	3/4		3/4		3/4		3/4		3/4	
3	3,558.33	3	3,916.18	3	4,273.20	3	4,630.01	3	4,982.42	3		3		3		3		3	
1/4	3,565.79	1/4	3,923.63	1/4	4,280.64	1/4	4,637.44	1/4	4,988.22	1/4		1/4		1/4		1/4		1/4	
1/2	3,573.24	1/2	3,931.09	1/2	4,288.07	1/2	4,644.87	1/2	4,994.03	1/2		1/2		1/2		1/2		1/2	
3/4	3,580.70	3/4	3,938.54	3/4	4,295.50	3/4	4,652.31	3/4	4,999.84	3/4		3/4		3/4		3/4		3/4	
4	3,588.15	4	3,946.00	4	4,302.94	4	4,659.74	4	5,005.65	4		4		4		4		4	
1/4	3,595.61	1/4	3,953.45	1/4	4,310.37	1/4	4,667.17	1/4	5,010.21	1/4		1/4		1/4		1/4		1/4	
1/2	3,603.06	1/2	3,960.91	1/2	4,317.80	1/2	4,674.61	1/2	5,014.78	1/2		1/2		1/2		1/2		1/2	
3/4	3,610.52	3/4	3,968.36	3/4	4,325.24	3/4	4,682.04	3/4	5,019.34	3/4		3/4		3/4		3/4		3/4	
5	3,617.97	5	3,975.82	5	4,332.67	5	4,689.47	5	5,023.91	5		5		5		5		5	
1/4	3,625.43	1/4	3,983.26	1/4	4,340.10	1/4	4,696.91	1/4	5,027.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,632.88	1/2	3,990.71	1/2	4,347.54	1/2	4,704.34	1/2	5,030.55	1/2		1/2		1/2		1/2		1/2	
3/4	3,640.34	3/4	3,998.15	3/4	4,354.97	3/4	4,711.77	3/4	5,033.88	3/4		3/4		3/4		3/4		3/4	
6	3,647.79	6	4,005.60	6	4,362.40	6	4,719.21	6	5,037.20	6		6		6		6		6	
1/4	3,655.25	1/4	4,013.03	1/4	4,369.84	1/4	4,726.64	1/4	5,039.28	1/4		1/4		1/4		1/4		1/4	
1/2	3,662.70	1/2	4,020.47	1/2	4,377.27	1/2	4,734.07	1/2	5,041.36	1/2		1/2		1/2		1/2		1/2	
3/4	3,670.16	3/4	4,027.90	3/4	4,384.70	3/4	4,741.51	3/4	5,043.44	3/4		3/4		3/4		3/4		3/4	
7	3,677.61	7	4,035.33	7	4,392.14	7	4,748.94	7	5,045.52	7		7		7		7		7	
1/4	3,685.07	1/4	4,042.77	1/4	4,399.57	1/4	4,756.34	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,692.52	1/2	4,050.20	1/2	4,407.00	1/2	4,763.73	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,699.98	3/4	4,057.63	3/4	4,414.44	3/4	4,771.13	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,707.43	8	4,065.07	8	4,421.87	8	4,778.53	8		8		8		8		8		8	
1/4	3,714.89	1/4	4,072.50	1/4	4,429.30	1/4	4,785.89	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,722.34	1/2	4,079.93	1/2	4,436.74	1/2	4,793.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,729.80	3/4	4,087.37	3/4	4,444.17	3/4	4,800.61	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,737.25	9	4,094.80	9	4,451.60	9	4,807.97	9		9		9		9		9		9	
1/4	3,744.71	1/4	4,102.23	1/4	4,459.04	1/4	4,815.33	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,752.16	1/2	4,109.67	1/2	4,466.47	1/2	4,822.68	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,759.62	3/4	4,117.10	3/4	4,473.90	3/4	4,830.04	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,767.07	10	4,124.53	10	4,481.34	10	4,837.40	10		10		10		10		10		10	
1/4	3,774.53	1/4	4,131.97	1/4	4,488.77	1/4	4,844.77	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,781.98	1/2	4,139.40	1/2	4,496.20	1/2	4,852.13	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,789.44	3/4	4,146.83	3/4	4,503.64	3/4	4,859.49	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,796.90	11	4,154.27	11	4,511.07	11	4,866.85	11		11		11		11		11		11	
1/4	3,804.35	1/4	4,161.70	1/4	4,518.50	1/4	4,874.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,811.81	1/2	4,169.14	1/2	4,525.94	1/2	4,881.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,819.26	3/4	4,176.57	3/4	4,533.37	3/4	4,888.93	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/21/2018 CL
CALCULATED: 01/08/2019 CL
PRINTED: 01/08/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2019

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BARGE "E2MS 312"

1 STBD

INNAGE TABLE

10" HATCH

GAUGE HEIGHT 17'-07"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,469.23	0	3,826.90	0	4,183.99	0	4,540.62	0	4,895.92	0		0		0		0		0	
1/4	3,476.68	1/4	3,834.35	1/4	4,191.42	1/4	4,548.05	1/4	4,903.27	1/4		1/4		1/4		1/4		1/4	
1/2	3,484.13	1/2	3,841.80	1/2	4,198.85	1/2	4,555.48	1/2	4,910.62	1/2		1/2		1/2		1/2		1/2	
3/4	3,491.58	3/4	3,849.25	3/4	4,206.28	3/4	4,562.91	3/4	4,917.97	3/4		3/4		3/4		3/4		3/4	
1	3,499.03	1	3,856.71	1	4,213.71	1	4,570.34	1	4,925.32	1		1		1		1		1	
1/4	3,506.49	1/4	3,864.16	1/4	4,221.14	1/4	4,577.77	1/4	4,932.63	1/4		1/4		1/4		1/4		1/4	
1/2	3,513.94	1/2	3,871.61	1/2	4,228.57	1/2	4,585.20	1/2	4,939.95	1/2		1/2		1/2		1/2		1/2	
3/4	3,521.39	3/4	3,879.06	3/4	4,236.00	3/4	4,592.63	3/4	4,947.26	3/4		3/4		3/4		3/4		3/4	
2	3,528.84	2	3,886.51	2	4,243.43	2	4,600.06	2	4,954.58	2		2		2		2		2	
1/4	3,536.29	1/4	3,893.96	1/4	4,250.86	1/4	4,607.48	1/4	4,961.44	1/4		1/4		1/4		1/4		1/4	
1/2	3,543.74	1/2	3,901.41	1/2	4,258.29	1/2	4,614.91	1/2	4,968.29	1/2		1/2		1/2		1/2		1/2	
3/4	3,551.19	3/4	3,908.87	3/4	4,265.72	3/4	4,622.34	3/4	4,975.15	3/4		3/4		3/4		3/4		3/4	
3	3,558.65	3	3,916.32	3	4,273.15	3	4,629.77	3	4,982.01	3		3		3		3		3	
1/4	3,566.10	1/4	3,923.77	1/4	4,280.58	1/4	4,637.20	1/4	4,987.81	1/4		1/4		1/4		1/4		1/4	
1/2	3,573.55	1/2	3,931.22	1/2	4,288.01	1/2	4,644.63	1/2	4,993.62	1/2		1/2		1/2		1/2		1/2	
3/4	3,581.00	3/4	3,938.67	3/4	4,295.44	3/4	4,652.06	3/4	4,999.42	3/4		3/4		3/4		3/4		3/4	
4	3,588.45	4	3,946.12	4	4,302.87	4	4,659.49	4	5,005.23	4		4		4		4		4	
1/4	3,595.90	1/4	3,953.58	1/4	4,310.30	1/4	4,666.92	1/4	5,009.79	1/4		1/4		1/4		1/4		1/4	
1/2	3,603.35	1/2	3,961.03	1/2	4,317.73	1/2	4,674.35	1/2	5,014.35	1/2		1/2		1/2		1/2		1/2	
3/4	3,610.81	3/4	3,968.48	3/4	4,325.16	3/4	4,681.78	3/4	5,018.92	3/4		3/4		3/4		3/4		3/4	
5	3,618.26	5	3,975.93	5	4,332.59	5	4,689.21	5	5,023.48	5		5		5		5		5	
1/4	3,625.71	1/4	3,983.37	1/4	4,340.02	1/4	4,696.64	1/4	5,026.80	1/4		1/4		1/4		1/4		1/4	
1/2	3,633.16	1/2	3,990.80	1/2	4,347.45	1/2	4,704.07	1/2	5,030.12	1/2		1/2		1/2		1/2		1/2	
3/4	3,640.61	3/4	3,998.24	3/4	4,354.87	3/4	4,711.50	3/4	5,033.44	3/4		3/4		3/4		3/4		3/4	
6	3,648.06	6	4,005.68	6	4,362.30	6	4,718.93	6	5,036.76	6		6		6		6		6	
1/4	3,655.52	1/4	4,013.11	1/4	4,369.73	1/4	4,726.36	1/4	5,038.84	1/4		1/4		1/4		1/4		1/4	
1/2	3,662.97	1/2	4,020.54	1/2	4,377.16	1/2	4,733.79	1/2	5,040.92	1/2		1/2		1/2		1/2		1/2	
3/4	3,670.42	3/4	4,027.97	3/4	4,384.59	3/4	4,741.22	3/4	5,043.00	3/4		3/4		3/4		3/4		3/4	
7	3,677.87	7	4,035.40	7	4,392.02	7	4,748.65	7	5,045.07	7		7		7		7		7	
1/4	3,685.32	1/4	4,042.83	1/4	4,399.45	1/4	4,756.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,692.77	1/2	4,050.26	1/2	4,406.88	1/2	4,763.43	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,700.22	3/4	4,057.69	3/4	4,414.31	3/4	4,770.83	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,707.68	8	4,065.12	8	4,421.74	8	4,778.22	8		8		8		8		8		8	
1/4	3,715.13	1/4	4,072.55	1/4	4,429.17	1/4	4,785.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,722.58	1/2	4,079.98	1/2	4,436.60	1/2	4,792.93	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,730.03	3/4	4,087.41	3/4	4,444.03	3/4	4,800.29	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,737.48	9	4,094.84	9	4,451.46	9	4,807.64	9		9		9		9		9		9	
1/4	3,744.93	1/4	4,102.27	1/4	4,458.89	1/4	4,815.00	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,752.38	1/2	4,109.69	1/2	4,466.32	1/2	4,822.36	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,759.84	3/4	4,117.12	3/4	4,473.75	3/4	4,829.71	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,767.29	10	4,124.55	10	4,481.18	10	4,837.07	10		10		10		10		10		10	
1/4	3,774.74	1/4	4,131.98	1/4	4,488.61	1/4	4,844.43	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,782.19	1/2	4,139.41	1/2	4,496.04	1/2	4,851.78	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,789.64	3/4	4,146.84	3/4	4,503.47	3/4	4,859.14	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,797.09	11	4,154.27	11	4,510.90	11	4,866.50	11		11		11		11		11		11	
1/4	3,804.55	1/4	4,161.70	1/4	4,518.33	1/4	4,873.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,812.00	1/2	4,169.13	1/2	4,525.76	1/2	4,881.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,819.45	3/4	4,176.56	3/4	4,533.19	3/4	4,888.56	3/4		3/4		3/4		3/4		3/4		3/4	

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BARGE "E2MS 312"

2 PORT

INNAGE TABLE

10" HATCH

GAUGE HEIGHT 17'-06 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,528.99	0	3,887.80	0	4,246.03	0	4,603.80	0	4,960.37	0		0		0		0		0	
1/4	3,536.46	1/4	3,895.28	1/4	4,253.49	1/4	4,611.25	1/4	4,967.75	1/4		1/4		1/4		1/4		1/4	
1/2	3,543.94	1/2	3,902.75	1/2	4,260.94	1/2	4,618.71	1/2	4,975.13	1/2		1/2		1/2		1/2		1/2	
3/4	3,551.42	3/4	3,910.23	3/4	4,268.39	3/4	4,626.16	3/4	4,982.51	3/4		3/4		3/4		3/4		3/4	
1	3,558.89	1	3,917.71	1	4,275.85	1	4,633.61	1	4,989.89	1		1		1		1		1	
1/4	3,566.37	1/4	3,925.18	1/4	4,283.30	1/4	4,641.07	1/4	4,997.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,573.84	1/2	3,932.66	1/2	4,290.75	1/2	4,648.52	1/2	5,004.58	1/2		1/2		1/2		1/2		1/2	
3/4	3,581.32	3/4	3,940.13	3/4	4,298.21	3/4	4,655.97	3/4	5,011.92	3/4		3/4		3/4		3/4		3/4	
2	3,588.79	2	3,947.61	2	4,305.66	2	4,663.43	2	5,019.27	2		2		2		2		2	
1/4	3,596.27	1/4	3,955.08	1/4	4,313.11	1/4	4,670.88	1/4	5,026.15	1/4		1/4		1/4		1/4		1/4	
1/2	3,603.74	1/2	3,962.56	1/2	4,320.57	1/2	4,678.34	1/2	5,033.04	1/2		1/2		1/2		1/2		1/2	
3/4	3,611.22	3/4	3,970.03	3/4	4,328.02	3/4	4,685.79	3/4	5,039.92	3/4		3/4		3/4		3/4		3/4	
3	3,618.69	3	3,977.51	3	4,335.47	3	4,693.24	3	5,046.80	3		3		3		3		3	
1/4	3,626.17	1/4	3,984.98	1/4	4,342.93	1/4	4,700.70	1/4	5,052.63	1/4		1/4		1/4		1/4		1/4	
1/2	3,633.64	1/2	3,992.46	1/2	4,350.38	1/2	4,708.15	1/2	5,058.46	1/2		1/2		1/2		1/2		1/2	
3/4	3,641.12	3/4	3,999.93	3/4	4,357.83	3/4	4,715.60	3/4	5,064.29	3/4		3/4		3/4		3/4		3/4	
4	3,648.59	4	4,007.41	4	4,365.29	4	4,723.06	4	5,070.12	4		4		4		4		4	
1/4	3,656.07	1/4	4,014.88	1/4	4,372.74	1/4	4,730.51	1/4	5,074.71	1/4		1/4		1/4		1/4		1/4	
1/2	3,663.54	1/2	4,022.36	1/2	4,380.20	1/2	4,737.96	1/2	5,079.29	1/2		1/2		1/2		1/2		1/2	
3/4	3,671.02	3/4	4,029.83	3/4	4,387.65	3/4	4,745.42	3/4	5,083.88	3/4		3/4		3/4		3/4		3/4	
5	3,678.50	5	4,037.31	5	4,395.10	5	4,752.87	5	5,088.46	5		5		5		5		5	
1/4	3,685.97	1/4	4,044.77	1/4	4,402.56	1/4	4,760.32	1/4	5,091.80	1/4		1/4		1/4		1/4		1/4	
1/2	3,693.45	1/2	4,052.23	1/2	4,410.01	1/2	4,767.78	1/2	5,095.14	1/2		1/2		1/2		1/2		1/2	
3/4	3,700.92	3/4	4,059.69	3/4	4,417.46	3/4	4,775.23	3/4	5,098.47	3/4		3/4		3/4		3/4		3/4	
6	3,708.40	6	4,067.15	6	4,424.92	6	4,782.68	6	5,101.81	6		6		6		6		6	
1/4	3,715.87	1/4	4,074.60	1/4	4,432.37	1/4	4,790.14	1/4	5,103.91	1/4		1/4		1/4		1/4		1/4	
1/2	3,723.35	1/2	4,082.06	1/2	4,439.82	1/2	4,797.59	1/2	5,106.00	1/2		1/2		1/2		1/2		1/2	
3/4	3,730.82	3/4	4,089.51	3/4	4,447.28	3/4	4,805.04	3/4	5,108.09	3/4		3/4		3/4		3/4		3/4	
7	3,738.30	7	4,096.96	7	4,454.73	7	4,812.50	7	5,110.18	7		7		7		7		7	
1/4	3,745.77	1/4	4,104.42	1/4	4,462.18	1/4	4,819.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,753.25	1/2	4,111.87	1/2	4,469.64	1/2	4,827.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,760.72	3/4	4,119.32	3/4	4,477.09	3/4	4,834.76	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,768.20	8	4,126.78	8	4,484.54	8	4,842.18	8		8		8		8		8		8	
1/4	3,775.67	1/4	4,134.23	1/4	4,492.00	1/4	4,849.57	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,783.15	1/2	4,141.68	1/2	4,499.45	1/2	4,856.96	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,790.62	3/4	4,149.14	3/4	4,506.90	3/4	4,864.35	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,798.10	9	4,156.59	9	4,514.36	9	4,871.73	9		9		9		9		9		9	
1/4	3,805.58	1/4	4,164.04	1/4	4,521.81	1/4	4,879.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,813.05	1/2	4,171.50	1/2	4,529.27	1/2	4,886.51	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,820.53	3/4	4,178.95	3/4	4,536.72	3/4	4,893.90	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,828.00	10	4,186.40	10	4,544.17	10	4,901.28	10		10		10		10		10		10	
1/4	3,835.48	1/4	4,193.86	1/4	4,551.63	1/4	4,908.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,842.95	1/2	4,201.31	1/2	4,559.08	1/2	4,916.06	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,850.43	3/4	4,208.76	3/4	4,566.53	3/4	4,923.45	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,857.90	11	4,216.22	11	4,573.99	11	4,930.83	11		11		11		11		11		11	
1/4	3,865.38	1/4	4,223.67	1/4	4,581.44	1/4	4,938.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,872.85	1/2	4,231.13	1/2	4,588.89	1/2	4,945.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,880.33	3/4	4,238.58	3/4	4,596.35	3/4	4,952.99	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/21/2018 CL
CALCULATED: 01/08/2019 CL
PRINTED: 01/08/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2019

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



BARGE "E2MS 312"

2 STBD

INNAGE TABLE

10" HATCH

GAUGE HEIGHT 17'-06 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,547.85	0	3,907.09	0	4,265.75	0	4,623.94	0	4,980.81	0		0		0		0		0	
1/4	3,555.34	1/4	3,914.57	1/4	4,273.21	1/4	4,631.40	1/4	4,988.19	1/4		1/4		1/4		1/4		1/4	
1/2	3,562.82	1/2	3,922.06	1/2	4,280.67	1/2	4,638.86	1/2	4,995.57	1/2		1/2		1/2		1/2		1/2	
3/4	3,570.30	3/4	3,929.54	3/4	4,288.13	3/4	4,646.32	3/4	5,002.95	3/4		3/4		3/4		3/4		3/4	
1	3,577.79	1	3,937.03	1	4,295.59	1	4,653.78	1	5,010.34	1		1		1		1		1	
1/4	3,585.27	1/4	3,944.51	1/4	4,303.06	1/4	4,661.25	1/4	5,017.68	1/4		1/4		1/4		1/4		1/4	
1/2	3,592.76	1/2	3,951.99	1/2	4,310.52	1/2	4,668.71	1/2	5,025.03	1/2		1/2		1/2		1/2		1/2	
3/4	3,600.24	3/4	3,959.48	3/4	4,317.98	3/4	4,676.17	3/4	5,032.38	3/4		3/4		3/4		3/4		3/4	
2	3,607.72	2	3,966.96	2	4,325.44	2	4,683.63	2	5,039.73	2		2		2		2		2	
1/4	3,615.21	1/4	3,974.45	1/4	4,332.91	1/4	4,691.10	1/4	5,046.62	1/4		1/4		1/4		1/4		1/4	
1/2	3,622.69	1/2	3,981.93	1/2	4,340.37	1/2	4,698.56	1/2	5,053.50	1/2		1/2		1/2		1/2		1/2	
3/4	3,630.18	3/4	3,989.41	3/4	4,347.83	3/4	4,706.02	3/4	5,060.39	3/4		3/4		3/4		3/4		3/4	
3	3,637.66	3	3,996.90	3	4,355.29	3	4,713.48	3	5,067.28	3		3		3		3		3	
1/4	3,645.15	1/4	4,004.38	1/4	4,362.76	1/4	4,720.95	1/4	5,073.11	1/4		1/4		1/4		1/4		1/4	
1/2	3,652.63	1/2	4,011.87	1/2	4,370.22	1/2	4,728.41	1/2	5,078.94	1/2		1/2		1/2		1/2		1/2	
3/4	3,660.11	3/4	4,019.35	3/4	4,377.68	3/4	4,735.87	3/4	5,084.77	3/4		3/4		3/4		3/4		3/4	
4	3,667.60	4	4,026.83	4	4,385.14	4	4,743.33	4	5,090.60	4		4		4		4		4	
1/4	3,675.08	1/4	4,034.32	1/4	4,392.60	1/4	4,750.79	1/4	5,095.18	1/4		1/4		1/4		1/4		1/4	
1/2	3,682.57	1/2	4,041.80	1/2	4,400.07	1/2	4,758.26	1/2	5,099.77	1/2		1/2		1/2		1/2		1/2	
3/4	3,690.05	3/4	4,049.29	3/4	4,407.53	3/4	4,765.72	3/4	5,104.35	3/4		3/4		3/4		3/4		3/4	
5	3,697.53	5	4,056.77	5	4,414.99	5	4,773.18	5	5,108.93	5		5		5		5		5	
1/4	3,705.02	1/4	4,064.24	1/4	4,422.45	1/4	4,780.64	1/4	5,112.27	1/4		1/4		1/4		1/4		1/4	
1/2	3,712.50	1/2	4,071.71	1/2	4,429.92	1/2	4,788.11	1/2	5,115.61	1/2		1/2		1/2		1/2		1/2	
3/4	3,719.99	3/4	4,079.18	3/4	4,437.38	3/4	4,795.57	3/4	5,118.94	3/4		3/4		3/4		3/4		3/4	
6	3,727.47	6	4,086.65	6	4,444.84	6	4,803.03	6	5,122.28	6		6		6		6		6	
1/4	3,734.95	1/4	4,094.11	1/4	4,452.30	1/4	4,810.49	1/4	5,124.36	1/4		1/4		1/4		1/4		1/4	
1/2	3,742.44	1/2	4,101.57	1/2	4,459.77	1/2	4,817.96	1/2	5,126.45	1/2		1/2		1/2		1/2		1/2	
3/4	3,749.92	3/4	4,109.04	3/4	4,467.23	3/4	4,825.42	3/4	5,128.54	3/4		3/4		3/4		3/4		3/4	
7	3,757.41	7	4,116.50	7	4,474.69	7	4,832.88	7	5,130.63	7		7		7		7		7	
1/4	3,764.89	1/4	4,123.96	1/4	4,482.15	1/4	4,840.31	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,772.38	1/2	4,131.42	1/2	4,489.61	1/2	4,847.73	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,779.86	3/4	4,138.89	3/4	4,497.08	3/4	4,855.16	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,787.34	8	4,146.35	8	4,504.54	8	4,862.58	8		8		8		8		8		8	
1/4	3,794.83	1/4	4,153.81	1/4	4,512.00	1/4	4,869.97	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,802.31	1/2	4,161.27	1/2	4,519.46	1/2	4,877.36	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,809.80	3/4	4,168.74	3/4	4,526.93	3/4	4,884.75	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,817.28	9	4,176.20	9	4,534.39	9	4,892.14	9		9		9		9		9		9	
1/4	3,824.76	1/4	4,183.66	1/4	4,541.85	1/4	4,899.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,832.25	1/2	4,191.12	1/2	4,549.31	1/2	4,906.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,839.73	3/4	4,198.58	3/4	4,556.78	3/4	4,914.30	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,847.22	10	4,206.05	10	4,564.24	10	4,921.69	10		10		10		10		10		10	
1/4	3,854.70	1/4	4,213.51	1/4	4,571.70	1/4	4,929.08	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,862.18	1/2	4,220.97	1/2	4,579.16	1/2	4,936.47	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,869.67	3/4	4,228.43	3/4	4,586.62	3/4	4,943.86	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,877.15	11	4,235.90	11	4,594.09	11	4,951.25	11		11		11		11		11		11	
1/4	3,884.64	1/4	4,243.36	1/4	4,601.55	1/4	4,958.64	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,892.12	1/2	4,250.82	1/2	4,609.01	1/2	4,966.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,899.60	3/4	4,258.28	3/4	4,616.47	3/4	4,973.42	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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Pearland, Texas 77588
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BARGE "E2MS 312"

3 PORT

INNAGE TABLE

10" HATCH

GAUGE HEIGHT 17'-06 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,499.85	0	3,725.62	0	3,945.03	0	4,164.17	0	4,382.50	0		0		0		0		0	
1/4	3,505.36	1/4	3,730.19	1/4	3,949.60	1/4	4,168.74	1/4	4,387.02	1/4		1/4		1/4		1/4		1/4	
1/2	3,510.86	1/2	3,734.77	1/2	3,954.16	1/2	4,173.30	1/2	4,391.54	1/2		1/2		1/2		1/2		1/2	
3/4	3,516.36	3/4	3,739.35	3/4	3,958.73	3/4	4,177.87	3/4	4,395.05	3/4		3/4		3/4		3/4		3/4	
1	3,521.86	1	3,743.93	1	3,963.29	1	4,182.43	1	4,400.57	1		1		1		1		1	
1/4	3,526.89	1/4	3,748.51	1/4	3,967.86	1/4	4,187.00	1/4	4,405.07	1/4		1/4		1/4		1/4		1/4	
1/2	3,531.93	1/2	3,753.08	1/2	3,972.43	1/2	4,191.56	1/2	4,409.56	1/2		1/2		1/2		1/2		1/2	
3/4	3,536.97	3/4	3,757.66	3/4	3,976.99	3/4	4,196.13	3/4	4,414.06	3/4		3/4		3/4		3/4		3/4	
2	3,542.01	2	3,762.24	2	3,981.56	2	4,200.70	2	4,418.55	2		2		2		2		2	
1/4	3,546.71	1/4	3,766.82	1/4	3,986.12	1/4	4,205.26	1/4	4,422.77	1/4		1/4		1/4		1/4		1/4	
1/2	3,551.41	1/2	3,771.40	1/2	3,990.69	1/2	4,209.83	1/2	4,426.98	1/2		1/2		1/2		1/2		1/2	
3/4	3,556.11	3/4	3,775.98	3/4	3,995.25	3/4	4,214.39	3/4	4,431.19	3/4		3/4		3/4		3/4		3/4	
3	3,560.80	3	3,780.55	3	3,999.82	3	4,218.96	3	4,435.41	3		3		3		3		3	
1/4	3,565.38	1/4	3,785.13	1/4	4,004.38	1/4	4,223.52	1/4	4,438.97	1/4		1/4		1/4		1/4		1/4	
1/2	3,569.96	1/2	3,789.71	1/2	4,008.95	1/2	4,228.09	1/2	4,442.54	1/2		1/2		1/2		1/2		1/2	
3/4	3,574.54	3/4	3,794.29	3/4	4,013.51	3/4	4,232.65	3/4	4,446.11	3/4		3/4		3/4		3/4		3/4	
4	3,579.12	4	3,798.87	4	4,018.08	4	4,237.22	4	4,449.68	4		4		4		4		4	
1/4	3,583.69	1/4	3,803.44	1/4	4,022.65	1/4	4,241.78	1/4	4,452.48	1/4		1/4		1/4		1/4		1/4	
1/2	3,588.27	1/2	3,808.02	1/2	4,027.21	1/2	4,246.35	1/2	4,455.28	1/2		1/2		1/2		1/2		1/2	
3/4	3,592.85	3/4	3,812.60	3/4	4,031.78	3/4	4,250.92	3/4	4,458.09	3/4		3/4		3/4		3/4		3/4	
5	3,597.43	5	3,817.18	5	4,036.34	5	4,255.48	5	4,460.89	5		5		5		5		5	
1/4	3,602.01	1/4	3,821.75	1/4	4,040.91	1/4	4,260.05	1/4	4,462.93	1/4		1/4		1/4		1/4		1/4	
1/2	3,606.59	1/2	3,826.32	1/2	4,045.47	1/2	4,264.61	1/2	4,464.97	1/2		1/2		1/2		1/2		1/2	
3/4	3,611.16	3/4	3,830.89	3/4	4,050.04	3/4	4,269.18	3/4	4,467.02	3/4		3/4		3/4		3/4		3/4	
6	3,615.74	6	3,835.46	6	4,054.60	6	4,273.74	6	4,469.06	6		6		6		6		6	
1/4	3,620.32	1/4	3,840.03	1/4	4,059.17	1/4	4,278.31	1/4	4,470.33	1/4		1/4		1/4		1/4		1/4	
1/2	3,624.90	1/2	3,844.59	1/2	4,063.73	1/2	4,282.87	1/2	4,471.61	1/2		1/2		1/2		1/2		1/2	
3/4	3,629.48	3/4	3,849.16	3/4	4,068.30	3/4	4,287.44	3/4	4,472.89	3/4		3/4		3/4		3/4		3/4	
7	3,634.05	7	3,853.73	7	4,072.86	7	4,292.00	7	4,474.17	7		7		7		7		7	
1/4	3,638.63	1/4	3,858.29	1/4	4,077.43	1/4	4,296.55	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,643.21	1/2	3,862.86	1/2	4,082.00	1/2	4,301.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,647.79	3/4	3,867.42	3/4	4,086.56	3/4	4,305.63	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,652.37	8	3,871.99	8	4,091.13	8	4,310.17	8		8		8		8		8		8	
1/4	3,656.94	1/4	3,876.55	1/4	4,095.69	1/4	4,314.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,661.52	1/2	3,881.12	1/2	4,100.26	1/2	4,319.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,666.10	3/4	3,885.68	3/4	4,104.82	3/4	4,323.73	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,670.68	9	3,890.25	9	4,109.39	9	4,328.25	9		9		9		9		9		9	
1/4	3,675.26	1/4	3,894.81	1/4	4,113.95	1/4	4,332.77	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,679.84	1/2	3,899.38	1/2	4,118.52	1/2	4,337.29	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,684.41	3/4	3,903.94	3/4	4,123.08	3/4	4,341.81	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,688.99	10	3,908.51	10	4,127.65	10	4,346.33	10		10		10		10		10		10	
1/4	3,693.57	1/4	3,913.08	1/4	4,132.21	1/4	4,350.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,698.15	1/2	3,917.64	1/2	4,136.78	1/2	4,355.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,702.73	3/4	3,922.21	3/4	4,141.35	3/4	4,359.90	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,707.30	11	3,926.77	11	4,145.91	11	4,364.42	11		11		11		11		11		11	
1/4	3,711.88	1/4	3,931.34	1/4	4,150.48	1/4	4,368.94	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,716.46	1/2	3,935.90	1/2	4,155.04	1/2	4,373.46	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,721.04	3/4	3,940.47	3/4	4,159.61	3/4	4,377.98	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/21/2018 CL
CALCULATED: 01/08/2019 CL
PRINTED: 01/08/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2019

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



BARGE "E2MS 312"

3 STBD

INNAGE TABLE

10" HATCH

GAUGE HEIGHT 17'-06 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,513.27	0	3,738.62	0	3,957.65	0	4,176.40	0	4,394.34	0		0		0		0		0	
1/4	3,518.76	1/4	3,743.19	1/4	3,962.21	1/4	4,180.96	1/4	4,398.85	1/4		1/4		1/4		1/4		1/4	
1/2	3,524.25	1/2	3,747.76	1/2	3,966.76	1/2	4,185.52	1/2	4,403.35	1/2		1/2		1/2		1/2		1/2	
3/4	3,529.74	3/4	3,752.33	3/4	3,971.32	3/4	4,190.07	3/4	4,407.86	3/4		3/4		3/4		3/4		3/4	
1	3,535.23	1	3,756.90	1	3,975.88	1	4,194.63	1	4,412.37	1		1		1		1		1	
1/4	3,540.26	1/4	3,761.47	1/4	3,980.44	1/4	4,199.19	1/4	4,416.86	1/4		1/4		1/4		1/4		1/4	
1/2	3,545.29	1/2	3,766.04	1/2	3,984.99	1/2	4,203.74	1/2	4,421.35	1/2		1/2		1/2		1/2		1/2	
3/4	3,550.32	3/4	3,770.61	3/4	3,989.55	3/4	4,208.30	3/4	4,425.83	3/4		3/4		3/4		3/4		3/4	
2	3,555.35	2	3,775.18	2	3,994.11	2	4,212.86	2	4,430.32	2		2		2		2		2	
1/4	3,560.04	1/4	3,779.75	1/4	3,998.67	1/4	4,217.42	1/4	4,434.53	1/4		1/4		1/4		1/4		1/4	
1/2	3,564.73	1/2	3,784.32	1/2	4,003.22	1/2	4,221.97	1/2	4,438.73	1/2		1/2		1/2		1/2		1/2	
3/4	3,569.41	3/4	3,788.89	3/4	4,007.78	3/4	4,226.53	3/4	4,442.94	3/4		3/4		3/4		3/4		3/4	
3	3,574.10	3	3,793.46	3	4,012.34	3	4,231.09	3	4,447.14	3		3		3		3		3	
1/4	3,578.67	1/4	3,798.03	1/4	4,016.90	1/4	4,235.65	1/4	4,450.70	1/4		1/4		1/4		1/4		1/4	
1/2	3,583.24	1/2	3,802.60	1/2	4,021.45	1/2	4,240.20	1/2	4,454.27	1/2		1/2		1/2		1/2		1/2	
3/4	3,587.81	3/4	3,807.17	3/4	4,026.01	3/4	4,244.76	3/4	4,457.83	3/4		3/4		3/4		3/4		3/4	
4	3,592.38	4	3,811.74	4	4,030.57	4	4,249.32	4	4,461.39	4		4		4		4		4	
1/4	3,596.95	1/4	3,816.31	1/4	4,035.12	1/4	4,253.87	1/4	4,464.19	1/4		1/4		1/4		1/4		1/4	
1/2	3,601.52	1/2	3,820.88	1/2	4,039.68	1/2	4,258.43	1/2	4,466.99	1/2		1/2		1/2		1/2		1/2	
3/4	3,606.09	3/4	3,825.45	3/4	4,044.24	3/4	4,262.99	3/4	4,469.79	3/4		3/4		3/4		3/4		3/4	
5	3,610.66	5	3,830.02	5	4,048.80	5	4,267.55	5	4,472.58	5		5		5		5		5	
1/4	3,615.23	1/4	3,834.59	1/4	4,053.35	1/4	4,272.10	1/4	4,474.62	1/4		1/4		1/4		1/4		1/4	
1/2	3,619.80	1/2	3,839.15	1/2	4,057.91	1/2	4,276.66	1/2	4,476.66	1/2		1/2		1/2		1/2		1/2	
3/4	3,624.37	3/4	3,843.71	3/4	4,062.47	3/4	4,281.22	3/4	4,478.70	3/4		3/4		3/4		3/4		3/4	
6	3,628.94	6	3,848.27	6	4,067.03	6	4,285.78	6	4,480.73	6		6		6		6		6	
1/4	3,633.51	1/4	3,852.83	1/4	4,071.58	1/4	4,290.33	1/4	4,482.01	1/4		1/4		1/4		1/4		1/4	
1/2	3,638.08	1/2	3,857.39	1/2	4,076.14	1/2	4,294.89	1/2	4,483.28	1/2		1/2		1/2		1/2		1/2	
3/4	3,642.65	3/4	3,861.95	3/4	4,080.70	3/4	4,299.45	3/4	4,484.56	3/4		3/4		3/4		3/4		3/4	
7	3,647.22	7	3,866.50	7	4,085.25	7	4,304.00	7	4,485.84	7		7		7		7		7	
1/4	3,651.79	1/4	3,871.06	1/4	4,089.81	1/4	4,308.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,656.36	1/2	3,875.62	1/2	4,094.37	1/2	4,313.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,660.93	3/4	3,880.18	3/4	4,098.93	3/4	4,317.61	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,665.50	8	3,884.73	8	4,103.48	8	4,322.14	8		8		8		8		8		8	
1/4	3,670.07	1/4	3,889.29	1/4	4,108.04	1/4	4,326.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,674.64	1/2	3,893.85	1/2	4,112.60	1/2	4,331.16	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,679.21	3/4	3,898.41	3/4	4,117.16	3/4	4,335.68	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,683.78	9	3,902.96	9	4,121.71	9	4,340.19	9		9		9		9		9		9	
1/4	3,688.35	1/4	3,907.52	1/4	4,126.27	1/4	4,344.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,692.92	1/2	3,912.08	1/2	4,130.83	1/2	4,349.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,697.49	3/4	3,916.63	3/4	4,135.38	3/4	4,353.72	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,702.06	10	3,921.19	10	4,139.94	10	4,358.24	10		10		10		10		10		10	
1/4	3,706.63	1/4	3,925.75	1/4	4,144.50	1/4	4,362.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,711.20	1/2	3,930.31	1/2	4,149.06	1/2	4,367.26	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,715.77	3/4	3,934.86	3/4	4,153.61	3/4	4,371.77	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,720.34	11	3,939.42	11	4,158.17	11	4,376.29	11		11		11		11		11		11	
1/4	3,724.91	1/4	3,943.98	1/4	4,162.73	1/4	4,380.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,729.48	1/2	3,948.54	1/2	4,167.29	1/2	4,385.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,734.05	3/4	3,953.09	3/4	4,171.84	3/4	4,389.83	3/4		3/4		3/4		3/4		3/4		3/4	

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BARGE "E2MS 312"

INNAGE (HERMETIC)

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

(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"

January 7, 2019

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "E2MS 312"

1 PORT

INNAGE TABLE HERMETIC GAUGE HEIGHT 15'-09"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,513.61	0	3,871.46	0	4,228.61	0	4,585.41	0	4,940.39	0		0		0		0		0	
1/4	3,521.06	1/4	3,878.91	1/4	4,236.04	1/4	4,592.84	1/4	4,947.68	1/4		1/4		1/4		1/4		1/4	
1/2	3,528.52	1/2	3,886.37	1/2	4,243.47	1/2	4,600.27	1/2	4,954.97	1/2		1/2		1/2		1/2		1/2	
3/4	3,535.97	3/4	3,893.82	3/4	4,250.91	3/4	4,607.71	3/4	4,962.27	3/4		3/4		3/4		3/4		3/4	
1	3,543.43	1	3,901.28	1	4,258.34	1	4,615.14	1	4,969.56	1		1		1		1		1	
1/4	3,550.88	1/4	3,908.73	1/4	4,265.77	1/4	4,622.57	1/4	4,975.99	1/4		1/4		1/4		1/4		1/4	
1/2	3,558.34	1/2	3,916.19	1/2	4,273.21	1/2	4,630.01	1/2	4,982.42	1/2		1/2		1/2		1/2		1/2	
3/4	3,565.80	3/4	3,923.64	3/4	4,280.64	3/4	4,637.44	3/4	4,988.85	3/4		3/4		3/4		3/4		3/4	
2	3,573.25	2	3,931.10	2	4,288.07	2	4,644.87	2	4,995.27	2		2		2		2		2	
1/4	3,580.71	1/4	3,938.56	1/4	4,295.51	1/4	4,652.31	1/4	5,000.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,588.16	1/2	3,946.01	1/2	4,302.94	1/2	4,659.74	1/2	5,005.65	1/2		1/2		1/2		1/2		1/2	
3/4	3,595.62	3/4	3,953.47	3/4	4,310.37	3/4	4,667.17	3/4	5,010.83	3/4		3/4		3/4		3/4		3/4	
3	3,603.07	3	3,960.92	3	4,317.81	3	4,674.61	3	5,016.02	3		3		3		3		3	
1/4	3,610.53	1/4	3,968.38	1/4	4,325.24	1/4	4,682.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,617.98	1/2	3,975.83	1/2	4,332.67	1/2	4,689.47	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,625.44	3/4	3,983.29	3/4	4,340.11	3/4	4,696.91	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,632.89	4	3,990.74	4	4,347.54	4	4,704.34	4		4		4		4		4		4	
1/4	3,640.35	1/4	3,998.17	1/4	4,354.97	1/4	4,711.77	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,647.80	1/2	4,005.61	1/2	4,362.41	1/2	4,719.20	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,655.26	3/4	4,013.04	3/4	4,369.84	3/4	4,726.64	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,662.71	5	4,020.47	5	4,377.27	5	4,734.07	5		5		5		5		5		5	
1/4	3,670.17	1/4	4,027.91	1/4	4,384.71	1/4	4,741.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,677.62	1/2	4,035.34	1/2	4,392.14	1/2	4,748.94	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,685.08	3/4	4,042.77	3/4	4,399.57	3/4	4,756.37	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,692.53	6	4,050.21	6	4,407.01	6	4,763.80	6		6		6		6		6		6	
1/4	3,699.99	1/4	4,057.64	1/4	4,414.44	1/4	4,771.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,707.44	1/2	4,065.07	1/2	4,421.87	1/2	4,778.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,714.90	3/4	4,072.51	3/4	4,429.31	3/4	4,785.88	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,722.35	7	4,079.94	7	4,436.74	7	4,793.24	7		7		7		7		7		7	
1/4	3,729.81	1/4	4,087.37	1/4	4,444.17	1/4	4,800.60	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,737.26	1/2	4,094.81	1/2	4,451.61	1/2	4,807.96	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,744.72	3/4	4,102.24	3/4	4,459.04	3/4	4,815.32	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,752.18	8	4,109.67	8	4,466.47	8	4,822.68	8		8		8		8		8		8	
1/4	3,759.63	1/4	4,117.11	1/4	4,473.91	1/4	4,830.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,767.09	1/2	4,124.54	1/2	4,481.34	1/2	4,837.40	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,774.54	3/4	4,131.97	3/4	4,488.77	3/4	4,844.76	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,782.00	9	4,139.41	9	4,496.21	9	4,852.12	9		9		9		9		9		9	
1/4	3,789.45	1/4	4,146.84	1/4	4,503.64	1/4	4,859.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,796.91	1/2	4,154.27	1/2	4,511.07	1/2	4,866.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,804.36	3/4	4,161.71	3/4	4,518.51	3/4	4,874.21	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,811.82	10	4,169.14	10	4,525.94	10	4,881.57	10		10		10		10		10		10	
1/4	3,819.27	1/4	4,176.57	1/4	4,533.37	1/4	4,888.93	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,826.73	1/2	4,184.01	1/2	4,540.81	1/2	4,896.29	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,834.18	3/4	4,191.44	3/4	4,548.24	3/4	4,903.64	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,841.64	11	4,198.87	11	4,555.67	11	4,911.00	11		11		11		11		11		11	
1/4	3,849.09	1/4	4,206.31	1/4	4,563.11	1/4	4,918.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,856.55	1/2	4,213.74	1/2	4,570.54	1/2	4,925.70	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,864.00	3/4	4,221.17	3/4	4,577.97	3/4	4,933.04	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/21/2018 CL
CALCULATED: 01/07/2019 CL
PRINTED: 01/07/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2019

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



BARGE "E2MS 312"

1 STBD

INNAGE TABLE HERMETIC

GAUGE HEIGHT 15'-09"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,513.93	0	3,871.60	0	4,228.58	0	4,585.20	0	4,940.00	0		0		0		0		0	
1/4	3,521.38	1/4	3,879.06	1/4	4,236.00	1/4	4,592.63	1/4	4,947.29	1/4		1/4		1/4		1/4		1/4	
1/2	3,528.84	1/2	3,886.51	1/2	4,243.43	1/2	4,600.06	1/2	4,954.58	1/2		1/2		1/2		1/2		1/2	
3/4	3,536.29	3/4	3,893.96	3/4	4,250.86	3/4	4,607.48	3/4	4,961.87	3/4		3/4		3/4		3/4		3/4	
1	3,543.74	1	3,901.41	1	4,258.29	1	4,614.91	1	4,969.15	1		1		1		1		1	
1/4	3,551.19	1/4	3,908.86	1/4	4,265.72	1/4	4,622.34	1/4	4,975.58	1/4		1/4		1/4		1/4		1/4	
1/2	3,558.64	1/2	3,916.31	1/2	4,273.15	1/2	4,629.77	1/2	4,982.01	1/2		1/2		1/2		1/2		1/2	
3/4	3,566.09	3/4	3,923.76	3/4	4,280.58	3/4	4,637.20	3/4	4,988.43	3/4		3/4		3/4		3/4		3/4	
2	3,573.54	2	3,931.22	2	4,288.01	2	4,644.63	2	4,994.86	2		2		2		2		2	
1/4	3,581.00	1/4	3,938.67	1/4	4,295.44	1/4	4,652.06	1/4	5,000.04	1/4		1/4		1/4		1/4		1/4	
1/2	3,588.45	1/2	3,946.12	1/2	4,302.87	1/2	4,659.49	1/2	5,005.23	1/2		1/2		1/2		1/2		1/2	
3/4	3,595.90	3/4	3,953.57	3/4	4,310.30	3/4	4,666.92	3/4	5,010.41	3/4		3/4		3/4		3/4		3/4	
3	3,603.35	3	3,961.02	3	4,317.73	3	4,674.35	3	5,015.59	3		3		3		3		3	
1/4	3,610.80	1/4	3,968.47	1/4	4,325.16	1/4	4,681.78	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,618.25	1/2	3,975.93	1/2	4,332.59	1/2	4,689.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,625.70	3/4	3,983.38	3/4	4,340.02	3/4	4,696.64	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,633.16	4	3,990.83	4	4,347.45	4	4,704.07	4		4		4		4		4		4	
1/4	3,640.61	1/4	3,998.26	1/4	4,354.88	1/4	4,711.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,648.06	1/2	4,005.69	1/2	4,362.31	1/2	4,718.93	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,655.51	3/4	4,013.12	3/4	4,369.74	3/4	4,726.36	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,662.96	5	4,020.55	5	4,377.17	5	4,733.79	5		5		5		5		5		5	
1/4	3,670.41	1/4	4,027.98	1/4	4,384.60	1/4	4,741.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,677.87	1/2	4,035.41	1/2	4,392.03	1/2	4,748.65	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,685.32	3/4	4,042.84	3/4	4,399.46	3/4	4,756.08	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,692.77	6	4,050.26	6	4,406.89	6	4,763.51	6		6		6		6		6		6	
1/4	3,700.22	1/4	4,057.69	1/4	4,414.32	1/4	4,770.86	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,707.67	1/2	4,065.12	1/2	4,421.74	1/2	4,778.22	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,715.12	3/4	4,072.55	3/4	4,429.17	3/4	4,785.58	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,722.57	7	4,079.98	7	4,436.60	7	4,792.93	7		7		7		7		7		7	
1/4	3,730.03	1/4	4,087.41	1/4	4,444.03	1/4	4,800.29	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,737.48	1/2	4,094.84	1/2	4,451.46	1/2	4,807.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,744.93	3/4	4,102.27	3/4	4,458.89	3/4	4,815.00	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,752.38	8	4,109.70	8	4,466.32	8	4,822.36	8		8		8		8		8		8	
1/4	3,759.83	1/4	4,117.13	1/4	4,473.75	1/4	4,829.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,767.28	1/2	4,124.56	1/2	4,481.18	1/2	4,837.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,774.73	3/4	4,131.99	3/4	4,488.61	3/4	4,844.42	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,782.19	9	4,139.42	9	4,496.04	9	4,851.78	9		9		9		9		9		9	
1/4	3,789.64	1/4	4,146.85	1/4	4,503.47	1/4	4,859.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,797.09	1/2	4,154.28	1/2	4,510.90	1/2	4,866.50	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,804.54	3/4	4,161.71	3/4	4,518.33	3/4	4,873.85	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,811.99	10	4,169.14	10	4,525.76	10	4,881.21	10		10		10		10		10		10	
1/4	3,819.44	1/4	4,176.57	1/4	4,533.19	1/4	4,888.57	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,826.90	1/2	4,184.00	1/2	4,540.62	1/2	4,895.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,834.35	3/4	4,191.43	3/4	4,548.05	3/4	4,903.27	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,841.80	11	4,198.86	11	4,555.48	11	4,910.63	11		11		11		11		11		11	
1/4	3,849.25	1/4	4,206.29	1/4	4,562.91	1/4	4,917.97	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,856.70	1/2	4,213.72	1/2	4,570.34	1/2	4,925.32	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,864.15	3/4	4,221.15	3/4	4,577.77	3/4	4,932.66	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/21/2018 CL
CALCULATED: 01/07/2019 CL
PRINTED: 01/07/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2019

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



BARGE "E2MS 312"

2 PORT INNAGE TABLE HERMETIC GAUGE HEIGHT 15'-09"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,573.84	0	3,932.66	0	4,290.77	0	4,648.52	0	5,004.63	0		0		0		0		0	
1/4	3,581.32	1/4	3,940.13	1/4	4,298.22	1/4	4,655.98	1/4	5,011.95	1/4		1/4		1/4		1/4		1/4	
1/2	3,588.79	1/2	3,947.61	1/2	4,305.67	1/2	4,663.43	1/2	5,019.27	1/2		1/2		1/2		1/2		1/2	
3/4	3,596.27	3/4	3,955.08	3/4	4,313.13	3/4	4,670.88	3/4	5,026.58	3/4		3/4		3/4		3/4		3/4	
1	3,603.74	1	3,962.56	1	4,320.58	1	4,678.34	1	5,033.90	1		1		1		1		1	
1/4	3,611.22	1/4	3,970.03	1/4	4,328.03	1/4	4,685.79	1/4	5,040.35	1/4		1/4		1/4		1/4		1/4	
1/2	3,618.69	1/2	3,977.51	1/2	4,335.49	1/2	4,693.24	1/2	5,046.80	1/2		1/2		1/2		1/2		1/2	
3/4	3,626.17	3/4	3,984.98	3/4	4,342.94	3/4	4,700.70	3/4	5,053.26	3/4		3/4		3/4		3/4		3/4	
2	3,633.64	2	3,992.46	2	4,350.39	2	4,708.15	2	5,059.71	2		2		2		2		2	
1/4	3,641.12	1/4	3,999.93	1/4	4,357.85	1/4	4,715.60	1/4	5,064.92	1/4		1/4		1/4		1/4		1/4	
1/2	3,648.59	1/2	4,007.41	1/2	4,365.30	1/2	4,723.06	1/2	5,070.12	1/2		1/2		1/2		1/2		1/2	
3/4	3,656.07	3/4	4,014.88	3/4	4,372.75	3/4	4,730.51	3/4	5,075.33	3/4		3/4		3/4		3/4		3/4	
3	3,663.54	3	4,022.36	3	4,380.21	3	4,737.96	3	5,080.54	3		3		3		3		3	
1/4	3,671.02	1/4	4,029.83	1/4	4,387.66	1/4	4,745.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,678.50	1/2	4,037.31	1/2	4,395.11	1/2	4,752.87	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,685.97	3/4	4,044.78	3/4	4,402.57	3/4	4,760.32	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,693.45	4	4,052.26	4	4,410.02	4	4,767.78	4		4		4		4		4		4	
1/4	3,700.92	1/4	4,059.71	1/4	4,417.47	1/4	4,775.23	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,708.40	1/2	4,067.17	1/2	4,424.93	1/2	4,782.68	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,715.87	3/4	4,074.62	3/4	4,432.38	3/4	4,790.14	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,723.35	5	4,082.07	5	4,439.83	5	4,797.59	5		5		5		5		5		5	
1/4	3,730.82	1/4	4,089.53	1/4	4,447.28	1/4	4,805.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,738.30	1/2	4,096.98	1/2	4,454.74	1/2	4,812.50	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,745.77	3/4	4,104.43	3/4	4,462.19	3/4	4,819.95	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,753.25	6	4,111.89	6	4,469.64	6	4,827.40	6		6		6		6		6		6	
1/4	3,760.72	1/4	4,119.34	1/4	4,477.10	1/4	4,834.79	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,768.20	1/2	4,126.79	1/2	4,484.55	1/2	4,842.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,775.67	3/4	4,134.25	3/4	4,492.00	3/4	4,849.57	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,783.15	7	4,141.70	7	4,499.46	7	4,856.95	7		7		7		7		7		7	
1/4	3,790.62	1/4	4,149.15	1/4	4,506.91	1/4	4,864.34	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,798.10	1/2	4,156.61	1/2	4,514.36	1/2	4,871.73	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,805.58	3/4	4,164.06	3/4	4,521.82	3/4	4,879.12	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,813.05	8	4,171.51	8	4,529.27	8	4,886.51	8		8		8		8		8		8	
1/4	3,820.53	1/4	4,178.97	1/4	4,536.72	1/4	4,893.89	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,828.00	1/2	4,186.42	1/2	4,544.18	1/2	4,901.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,835.48	3/4	4,193.87	3/4	4,551.63	3/4	4,908.67	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,842.95	9	4,201.33	9	4,559.08	9	4,916.06	9		9		9		9		9		9	
1/4	3,850.43	1/4	4,208.78	1/4	4,566.54	1/4	4,923.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,857.90	1/2	4,216.23	1/2	4,573.99	1/2	4,930.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,865.38	3/4	4,223.69	3/4	4,581.44	3/4	4,938.22	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,872.85	10	4,231.14	10	4,588.90	10	4,945.61	10		10		10		10		10		10	
1/4	3,880.33	1/4	4,238.59	1/4	4,596.35	1/4	4,952.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,887.80	1/2	4,246.05	1/2	4,603.80	1/2	4,960.37	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,895.28	3/4	4,253.50	3/4	4,611.26	3/4	4,967.76	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,902.75	11	4,260.95	11	4,618.71	11	4,975.14	11		11		11		11		11		11	
1/4	3,910.23	1/4	4,268.41	1/4	4,626.16	1/4	4,982.51	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,917.70	1/2	4,275.86	1/2	4,633.62	1/2	4,989.89	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,925.18	3/4	4,283.31	3/4	4,641.07	3/4	4,997.26	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/21/2018 CL
CALCULATED: 01/07/2019 CL
PRINTED: 01/07/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2019

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



BARGE "E2MS 312"

2 STBD

INNAGE TABLE HERMETIC

GAUGE HEIGHT 15'-09 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,592.75	0	3,951.97	0	4,310.51	0	4,668.71	0	5,025.09	0		0		0		0		0	
1/4	3,600.23	1/4	3,959.46	1/4	4,317.98	1/4	4,676.17	1/4	5,032.41	1/4		1/4		1/4		1/4		1/4	
1/2	3,607.71	1/2	3,966.94	1/2	4,325.44	1/2	4,683.63	1/2	5,039.73	1/2		1/2		1/2		1/2		1/2	
3/4	3,615.20	3/4	3,974.43	3/4	4,332.90	3/4	4,691.10	3/4	5,047.05	3/4		3/4		3/4		3/4		3/4	
1	3,622.68	1	3,981.91	1	4,340.36	1	4,698.56	1	5,054.37	1		1		1		1		1	
1/4	3,630.17	1/4	3,989.39	1/4	4,347.83	1/4	4,706.02	1/4	5,060.82	1/4		1/4		1/4		1/4		1/4	
1/2	3,637.65	1/2	3,996.88	1/2	4,355.29	1/2	4,713.48	1/2	5,067.28	1/2		1/2		1/2		1/2		1/2	
3/4	3,645.13	3/4	4,004.36	3/4	4,362.75	3/4	4,720.95	3/4	5,073.73	3/4		3/4		3/4		3/4		3/4	
2	3,652.62	2	4,011.85	2	4,370.21	2	4,728.41	2	5,080.19	2		2		2		2		2	
1/4	3,660.10	1/4	4,019.33	1/4	4,377.67	1/4	4,735.87	1/4	5,085.39	1/4		1/4		1/4		1/4		1/4	
1/2	3,667.59	1/2	4,026.81	1/2	4,385.14	1/2	4,743.33	1/2	5,090.60	1/2		1/2		1/2		1/2		1/2	
3/4	3,675.07	3/4	4,034.30	3/4	4,392.60	3/4	4,750.79	3/4	5,095.81	3/4		3/4		3/4		3/4		3/4	
3	3,682.55	3	4,041.78	3	4,400.06	3	4,758.26	3	5,101.02	3		3		3		3		3	
1/4	3,690.04	1/4	4,049.26	1/4	4,407.52	1/4	4,765.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,697.52	1/2	4,056.75	1/2	4,414.99	1/2	4,773.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,705.01	3/4	4,064.23	3/4	4,422.45	3/4	4,780.64	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,712.49	4	4,071.72	4	4,429.91	4	4,788.11	4		4		4		4		4		4	
1/4	3,719.97	1/4	4,079.18	1/4	4,437.37	1/4	4,795.57	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,727.46	1/2	4,086.64	1/2	4,444.84	1/2	4,803.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,734.94	3/4	4,094.10	3/4	4,452.30	3/4	4,810.49	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,742.42	5	4,101.57	5	4,459.76	5	4,817.96	5		5		5		5		5		5	
1/4	3,749.91	1/4	4,109.03	1/4	4,467.22	1/4	4,825.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,757.39	1/2	4,116.49	1/2	4,474.69	1/2	4,832.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,764.88	3/4	4,123.95	3/4	4,482.15	3/4	4,840.34	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,772.36	6	4,131.42	6	4,489.61	6	4,847.81	6		6		6		6		6		6	
1/4	3,779.84	1/4	4,138.88	1/4	4,497.07	1/4	4,855.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,787.33	1/2	4,146.34	1/2	4,504.54	1/2	4,862.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,794.81	3/4	4,153.80	3/4	4,512.00	3/4	4,869.97	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,802.30	7	4,161.27	7	4,519.46	7	4,877.36	7		7		7		7		7		7	
1/4	3,809.78	1/4	4,168.73	1/4	4,526.92	1/4	4,884.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,817.26	1/2	4,176.19	1/2	4,534.39	1/2	4,892.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,824.75	3/4	4,183.65	3/4	4,541.85	3/4	4,899.52	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,832.23	8	4,191.11	8	4,549.31	8	4,906.91	8		8		8		8		8		8	
1/4	3,839.72	1/4	4,198.58	1/4	4,556.77	1/4	4,914.30	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,847.20	1/2	4,206.04	1/2	4,564.23	1/2	4,921.69	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,854.68	3/4	4,213.50	3/4	4,571.70	3/4	4,929.08	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,862.17	9	4,220.96	9	4,579.16	9	4,936.47	9		9		9		9		9		9	
1/4	3,869.65	1/4	4,228.43	1/4	4,586.62	1/4	4,943.86	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,877.13	1/2	4,235.89	1/2	4,594.08	1/2	4,951.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,884.62	3/4	4,243.35	3/4	4,601.55	3/4	4,958.64	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,892.10	10	4,250.81	10	4,609.01	10	4,966.03	10		10		10		10		10		10	
1/4	3,899.59	1/4	4,258.28	1/4	4,616.47	1/4	4,973.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,907.07	1/2	4,265.74	1/2	4,623.93	1/2	4,980.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,914.55	3/4	4,273.20	3/4	4,631.40	3/4	4,988.20	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,922.04	11	4,280.66	11	4,638.86	11	4,995.58	11		11		11		11		11		11	
1/4	3,929.52	1/4	4,288.13	1/4	4,646.32	1/4	5,002.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,937.01	1/2	4,295.59	1/2	4,653.78	1/2	5,010.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,944.49	3/4	4,303.05	3/4	4,661.25	3/4	5,017.71	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/21/2018 CL
CALCULATED: 01/07/2019 CL
PRINTED: 01/07/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2019

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



BARGE "E2MS 312"

3 PORT

INNAGE TABLE HERMETIC

GAUGE HEIGHT 15'-08 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,532.38	0	3,753.08	0	3,972.42	0	4,191.56	0	4,409.60	0		0		0		0		0	
1/4	3,537.19	1/4	3,757.66	1/4	3,976.99	1/4	4,196.12	1/4	4,414.07	1/4		1/4		1/4		1/4		1/4	
1/2	3,542.01	1/2	3,762.24	1/2	3,981.55	1/2	4,200.69	1/2	4,418.55	1/2		1/2		1/2		1/2		1/2	
3/4	3,546.83	3/4	3,766.82	3/4	3,986.12	3/4	4,205.25	3/4	4,423.03	3/4		3/4		3/4		3/4		3/4	
1	3,551.65	1	3,771.40	1	3,990.68	1	4,209.82	1	4,427.51	1		1		1		1		1	
1/4	3,556.23	1/4	3,775.97	1/4	3,995.25	1/4	4,214.38	1/4	4,431.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,560.80	1/2	3,780.55	1/2	3,999.82	1/2	4,218.95	1/2	4,435.41	1/2		1/2		1/2		1/2		1/2	
3/4	3,565.38	3/4	3,785.13	3/4	4,004.38	3/4	4,223.52	3/4	4,439.36	3/4		3/4		3/4		3/4		3/4	
2	3,569.96	2	3,789.71	2	4,008.95	2	4,228.08	2	4,443.30	2		2		2		2		2	
1/4	3,574.54	1/4	3,794.29	1/4	4,013.51	1/4	4,232.65	1/4	4,446.49	1/4		1/4		1/4		1/4		1/4	
1/2	3,579.12	1/2	3,798.87	1/2	4,018.08	1/2	4,237.21	1/2	4,449.68	1/2		1/2		1/2		1/2		1/2	
3/4	3,583.69	3/4	3,803.44	3/4	4,022.64	3/4	4,241.78	3/4	4,452.86	3/4		3/4		3/4		3/4		3/4	
3	3,588.27	3	3,808.02	3	4,027.21	3	4,246.34	3	4,456.05	3		3		3		3		3	
1/4	3,592.85	1/4	3,812.60	1/4	4,031.77	1/4	4,250.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,597.43	1/2	3,817.18	1/2	4,036.34	1/2	4,255.47	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,602.01	3/4	3,821.76	3/4	4,040.90	3/4	4,260.04	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,606.59	4	3,826.33	4	4,045.47	4	4,264.60	4		4		4		4		4		4	
1/4	3,611.16	1/4	3,830.90	1/4	4,050.03	1/4	4,269.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,615.74	1/2	3,835.46	1/2	4,054.60	1/2	4,273.73	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,620.32	3/4	3,840.03	3/4	4,059.16	3/4	4,278.30	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,624.90	5	3,844.60	5	4,063.73	5	4,282.86	5		5		5		5		5		5	
1/4	3,629.48	1/4	3,849.16	1/4	4,068.30	1/4	4,287.43	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,634.05	1/2	3,853.73	1/2	4,072.86	1/2	4,291.99	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,638.63	3/4	3,858.29	3/4	4,077.43	3/4	4,296.56	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,643.21	6	3,862.86	6	4,081.99	6	4,301.13	6		6		6		6		6		6	
1/4	3,647.79	1/4	3,867.42	1/4	4,086.56	1/4	4,305.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,652.37	1/2	3,871.99	1/2	4,091.12	1/2	4,310.17	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,656.94	3/4	3,876.55	3/4	4,095.69	3/4	4,314.69	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,661.52	7	3,881.12	7	4,100.25	7	4,319.21	7		7		7		7		7		7	
1/4	3,666.10	1/4	3,885.68	1/4	4,104.82	1/4	4,323.73	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,670.68	1/2	3,890.25	1/2	4,109.38	1/2	4,328.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,675.26	3/4	3,894.81	3/4	4,113.95	3/4	4,332.77	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,679.83	8	3,899.38	8	4,118.51	8	4,337.29	8		8		8		8		8		8	
1/4	3,684.41	1/4	3,903.94	1/4	4,123.08	1/4	4,341.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,688.99	1/2	3,908.51	1/2	4,127.64	1/2	4,346.33	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,693.57	3/4	3,913.07	3/4	4,132.21	3/4	4,350.85	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,698.15	9	3,917.64	9	4,136.77	9	4,355.37	9		9		9		9		9		9	
1/4	3,702.73	1/4	3,922.21	1/4	4,141.34	1/4	4,359.90	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,707.30	1/2	3,926.77	1/2	4,145.91	1/2	4,364.42	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,711.88	3/4	3,931.34	3/4	4,150.47	3/4	4,368.94	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,716.46	10	3,935.90	10	4,155.04	10	4,373.46	10		10		10		10		10		10	
1/4	3,721.04	1/4	3,940.47	1/4	4,159.60	1/4	4,377.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,725.62	1/2	3,945.03	1/2	4,164.17	1/2	4,382.50	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,730.19	3/4	3,949.60	3/4	4,168.73	3/4	4,387.02	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,734.77	11	3,954.16	11	4,173.30	11	4,391.55	11		11		11		11		11		11	
1/4	3,739.35	1/4	3,958.73	1/4	4,177.86	1/4	4,396.06	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,743.93	1/2	3,963.29	1/2	4,182.43	1/2	4,400.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,748.51	3/4	3,967.86	3/4	4,186.99	3/4	4,405.08	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/21/2018 CL
CALCULATED: 01/07/2019 CL
PRINTED: 01/07/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2019

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



BARGE "E2MS 312"

3 STBD

INNAGE TABLE HERMETIC

GAUGE HEIGHT 15'-08 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,545.73	0	3,766.04	0	3,984.99	0	4,203.74	0	4,421.38	0		0		0		0		0	
1/4	3,550.54	1/4	3,770.61	1/4	3,989.55	1/4	4,208.30	1/4	4,425.85	1/4		1/4		1/4		1/4		1/4	
1/2	3,555.35	1/2	3,775.18	1/2	3,994.11	1/2	4,212.86	1/2	4,430.32	1/2		1/2		1/2		1/2		1/2	
3/4	3,560.16	3/4	3,779.75	3/4	3,998.66	3/4	4,217.41	3/4	4,434.79	3/4		3/4		3/4		3/4		3/4	
1	3,564.96	1	3,784.32	1	4,003.22	1	4,221.97	1	4,439.26	1		1		1		1		1	
1/4	3,569.53	1/4	3,788.89	1/4	4,007.78	1/4	4,226.53	1/4	4,443.20	1/4		1/4		1/4		1/4		1/4	
1/2	3,574.10	1/2	3,793.46	1/2	4,012.34	1/2	4,231.09	1/2	4,447.14	1/2		1/2		1/2		1/2		1/2	
3/4	3,578.67	3/4	3,798.03	3/4	4,016.89	3/4	4,235.64	3/4	4,451.09	3/4		3/4		3/4		3/4		3/4	
2	3,583.24	2	3,802.60	2	4,021.45	2	4,240.20	2	4,455.03	2		2		2		2		2	
1/4	3,587.81	1/4	3,807.17	1/4	4,026.01	1/4	4,244.76	1/4	4,458.21	1/4		1/4		1/4		1/4		1/4	
1/2	3,592.38	1/2	3,811.74	1/2	4,030.57	1/2	4,249.32	1/2	4,461.39	1/2		1/2		1/2		1/2		1/2	
3/4	3,596.95	3/4	3,816.31	3/4	4,035.12	3/4	4,253.87	3/4	4,464.57	3/4		3/4		3/4		3/4		3/4	
3	3,601.52	3	3,820.88	3	4,039.68	3	4,258.43	3	4,467.75	3		3		3		3		3	
1/4	3,606.09	1/4	3,825.45	1/4	4,044.24	1/4	4,262.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,610.66	1/2	3,830.02	1/2	4,048.79	1/2	4,267.55	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,615.23	3/4	3,834.59	3/4	4,053.35	3/4	4,272.10	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,619.80	4	3,839.16	4	4,057.91	4	4,276.66	4		4		4		4		4		4	
1/4	3,624.37	1/4	3,843.72	1/4	4,062.47	1/4	4,281.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,628.94	1/2	3,848.27	1/2	4,067.02	1/2	4,285.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,633.51	3/4	3,852.83	3/4	4,071.58	3/4	4,290.33	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,638.08	5	3,857.39	5	4,076.14	5	4,294.89	5		5		5		5		5		5	
1/4	3,642.65	1/4	3,861.95	1/4	4,080.70	1/4	4,299.45	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,647.22	1/2	3,866.50	1/2	4,085.25	1/2	4,304.00	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,651.79	3/4	3,871.06	3/4	4,089.81	3/4	4,308.56	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,656.36	6	3,875.62	6	4,094.37	6	4,313.12	6		6		6		6		6		6	
1/4	3,660.93	1/4	3,880.17	1/4	4,098.92	1/4	4,317.63	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,665.50	1/2	3,884.73	1/2	4,103.48	1/2	4,322.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,670.07	3/4	3,889.29	3/4	4,108.04	3/4	4,326.65	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,674.64	7	3,893.85	7	4,112.60	7	4,331.17	7		7		7		7		7		7	
1/4	3,679.21	1/4	3,898.40	1/4	4,117.15	1/4	4,335.68	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,683.78	1/2	3,902.96	1/2	4,121.71	1/2	4,340.19	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,688.35	3/4	3,907.52	3/4	4,126.27	3/4	4,344.70	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,692.92	8	3,912.08	8	4,130.83	8	4,349.21	8		8		8		8		8		8	
1/4	3,697.49	1/4	3,916.63	1/4	4,135.38	1/4	4,353.73	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,702.06	1/2	3,921.19	1/2	4,139.94	1/2	4,358.24	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,706.63	3/4	3,925.75	3/4	4,144.50	3/4	4,362.75	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,711.20	9	3,930.30	9	4,149.06	9	4,367.26	9		9		9		9		9		9	
1/4	3,715.77	1/4	3,934.86	1/4	4,153.61	1/4	4,371.77	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,720.34	1/2	3,939.42	1/2	4,158.17	1/2	4,376.29	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,724.91	3/4	3,943.98	3/4	4,162.73	3/4	4,380.80	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,729.48	10	3,948.53	10	4,167.28	10	4,385.31	10		10		10		10		10		10	
1/4	3,734.05	1/4	3,953.09	1/4	4,171.84	1/4	4,389.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,738.62	1/2	3,957.65	1/2	4,176.40	1/2	4,394.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,743.19	3/4	3,962.21	3/4	4,180.96	3/4	4,398.85	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,747.76	11	3,966.76	11	4,185.51	11	4,403.36	11		11		11		11		11		11	
1/4	3,752.33	1/4	3,971.32	1/4	4,190.07	1/4	4,407.87	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,756.90	1/2	3,975.88	1/2	4,194.63	1/2	4,412.37	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,761.47	3/4	3,980.44	3/4	4,199.19	3/4	4,416.88	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/21/2018 CL
CALCULATED: 01/07/2019 CL
PRINTED: 01/07/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2019

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



BARGE "E2MS 312"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

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

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE

STRAPPED: 12/21/2018 CL
 CALCULATED: 01/07/2019 CL
 PRINTED: 01/07/2019

CANCELS AND SUPERCEDES
 ALL PRIOR TO 01/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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 Pearland, Texas 77588
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BARGE "E2MS 312"

SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	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		1/4	
1/2	11	1/2	456	1/2	1,047	1/2	1,666	1/2	2,227	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	16	3/4	467	3/4	1,060	3/4	1,678	3/4	2,237	3/4		3/4		3/4	3/4	3/4		3/4	
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		1/4	
1/2	35	1/2	502	1/2	1,099	1/2	1,716	1/2	2,267	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	41	3/4	513	3/4	1,111	3/4	1,729	3/4	2,277	3/4		3/4		3/4	3/4	3/4		3/4	
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		1/4	
1/2	63	1/2	549	1/2	1,150	1/2	1,766	1/2	2,306	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	71	3/4	560	3/4	1,163	3/4	1,778	3/4	2,316	3/4		3/4		3/4	3/4	3/4		3/4	
3	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		1/4	
1/2	95	1/2	596	1/2	1,202	1/2	1,815	1/2	2,344	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	103	3/4	608	3/4	1,215	3/4	1,827	3/4	2,353	3/4		3/4		3/4	3/4	3/4		3/4	
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		1/4	
1/2	128	1/2	644	1/2	1,254	1/2	1,864	1/2	2,380	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	137	3/4	656	3/4	1,267	3/4	1,876	3/4	2,389	3/4		3/4		3/4	3/4	3/4		3/4	
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		1/4	
1/2	164	1/2	693	1/2	1,306	1/2	1,912	1/2	2,414	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	173	3/4	705	3/4	1,319	3/4	1,924	3/4	2,422	3/4		3/4		3/4	3/4	3/4		3/4	
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		1/4	
1/2	202	1/2	742	1/2	1,358	1/2	1,960	1/2	2,445	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	211	3/4	755	3/4	1,371	3/4	1,971	3/4	2,453	3/4		3/4		3/4	3/4	3/4		3/4	
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		1/4	
1/2	241	1/2	792	1/2	1,410	1/2	2,006	1/2	2,473	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	251	3/4	805	3/4	1,423	3/4	2,018	3/4	2,480	3/4		3/4		3/4	3/4	3/4		3/4	
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		1/4	
1/2	282	1/2	843	1/2	1,461	1/2	2,052	1/2	2,498	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	292	3/4	855	3/4	1,474	3/4	2,064	3/4	2,503	3/4		3/4		3/4	3/4	3/4		3/4	
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		1/4	
1/2	324	1/2	893	1/2	1,513	1/2	2,098	1/2		1/2		1/2		1/2	1/2	1/2		1/2	
3/4	334	3/4	906	3/4	1,526	3/4	2,109	3/4		3/4		3/4		3/4	3/4	3/4		3/4	
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		1/4	
1/2	367	1/2	944	1/2	1,564	1/2	2,142	1/2		1/2		1/2		1/2	1/2	1/2		1/2	
3/4	378	3/4	957	3/4	1,577	3/4	2,153	3/4		3/4		3/4		3/4	3/4	3/4		3/4	
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		1/4	
1/2	411	1/2	995	1/2	1,615	1/2	2,185	1/2		1/2		1/2		1/2	1/2	1/2		1/2	
3/4	422	3/4	1,008	3/4	1,628	3/4	2,195	3/4		3/4		3/4		3/4	3/4	3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2 1/2" DIAMETER STANDPIPE

STRAPPED: 12/21/2018 CL
CALCULATED: 01/07/2019 CL
PRINTED: 01/07/2019

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "E2MS 312"

ULLAGE (10" HATCH)

	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	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-1/8	06-1/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8
1 STBD	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-1/8	06-1/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8
2 PORT	- 02-0/8	02-0/8	- 04-1/8	04-1/8	- 06-1/8	06-1/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/4	12-1/4
2 STBD	- 02-0/8	02-0/8	- 04-1/8	04-1/8	- 06-1/8	06-1/8	- 08-1/8	08-1/8	- 10-1/4	10-1/4	- 12-1/4	12-1/4
3 PORT	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-1/8	- 06-1/8	08-1/8	- 08-1/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8
3 STBD	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-1/8	- 06-1/8	08-1/8	- 08-1/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8

(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 08-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-08 1/8"

LENGTH BETWEEN DRAFT MARKS: 235'-09"

January 7, 2019

**PRECISION MEASUREMENT
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 Pearland, Texas 77588

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BARGE "E2MS 312"

1 PORT ULLAGE TABLE

10" HATCH GAUGE HEIGHT 17'-06 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	5,041.36	0	4,734.07	0	4,377.27	0	4,020.47	0	3,662.70	0	3,304.86	0	2,947.01
1/4		1/4		1/4		1/4	5,039.28	1/4	4,726.64	1/4	4,369.84	1/4	4,013.03	1/4	3,655.25	1/4	3,297.40	1/4	2,939.56
1/2		1/2		1/2		1/2	5,037.20	1/2	4,719.21	1/2	4,362.40	1/2	4,005.60	1/2	3,647.79	1/2	3,289.95	1/2	2,932.10
3/4		3/4		3/4		3/4	5,033.88	3/4	4,711.77	3/4	4,354.97	3/4	3,998.15	3/4	3,640.34	3/4	3,282.49	3/4	2,924.65
1	1	1	1	1	1	1	5,030.55	1	4,704.34	1	4,347.54	1	3,990.71	1	3,632.88	1	3,275.04	1	2,917.19
1/4		1/4		1/4		1/4	5,027.23	1/4	4,696.91	1/4	4,340.10	1/4	3,983.26	1/4	3,625.43	1/4	3,267.58	1/4	2,909.74
1/2		1/2		1/2		1/2	5,023.91	1/2	4,689.47	1/2	4,332.67	1/2	3,975.82	1/2	3,617.97	1/2	3,260.13	1/2	2,902.28
3/4		3/4		3/4		3/4	5,019.34	3/4	4,682.04	3/4	4,325.24	3/4	3,968.36	3/4	3,610.52	3/4	3,252.67	3/4	2,894.83
2	2	2	2	2	2	2	5,014.78	2	4,674.61	2	4,317.80	2	3,960.91	2	3,603.06	2	3,245.22	2	2,887.37
1/4		1/4		1/4		1/4	5,010.21	1/4	4,667.17	1/4	4,310.37	1/4	3,953.45	1/4	3,595.61	1/4	3,237.76	1/4	2,879.92
1/2		1/2		1/2		1/2	5,005.65	1/2	4,659.74	1/2	4,302.94	1/2	3,946.00	1/2	3,588.15	1/2	3,230.31	1/2	2,872.46
3/4		3/4		3/4		3/4	4,999.84	3/4	4,652.31	3/4	4,295.50	3/4	3,938.54	3/4	3,580.70	3/4	3,222.85	3/4	2,865.01
3	3	3	3	3	3	3	4,994.03	3	4,644.87	3	4,288.07	3	3,931.09	3	3,573.24	3	3,215.40	3	2,857.55
1/4		1/4		1/4		1/4	4,988.22	1/4	4,637.44	1/4	4,280.64	1/4	3,923.63	1/4	3,565.79	1/4	3,207.94	1/4	2,850.10
1/2		1/2		1/2		1/2	4,982.42	1/2	4,630.01	1/2	4,273.20	1/2	3,916.18	1/2	3,558.33	1/2	3,200.49	1/2	2,842.64
3/4		3/4		3/4		3/4	4,975.56	3/4	4,622.57	3/4	4,265.77	3/4	3,908.72	3/4	3,550.88	3/4	3,193.03	3/4	2,835.19
4	4	4	4	4	4	4	4,968.70	4	4,615.14	4	4,258.34	4	3,901.27	4	3,543.42	4	3,185.58	4	2,827.73
1/4		1/4		1/4		1/4	4,961.83	1/4	4,607.71	1/4	4,250.90	1/4	3,893.81	1/4	3,535.97	1/4	3,178.12	1/4	2,820.28
1/2		1/2		1/2		1/2	4,954.97	1/2	4,600.27	1/2	4,243.47	1/2	3,886.36	1/2	3,528.51	1/2	3,170.67	1/2	2,812.82
3/4		3/4		3/4		3/4	4,947.66	3/4	4,592.84	3/4	4,236.04	3/4	3,878.90	3/4	3,521.06	3/4	3,163.21	3/4	2,805.37
5	5	5	5	5	5	5	4,940.34	5	4,585.41	5	4,228.60	5	3,871.45	5	3,513.60	5	3,155.76	5	2,797.91
1/4		1/4		1/4		1/4	4,933.02	1/4	4,577.97	1/4	4,221.17	1/4	3,863.99	1/4	3,506.15	1/4	3,148.30	1/4	2,790.46
1/2		1/2		1/2		1/2	4,925.70	1/2	4,570.54	1/2	4,213.74	1/2	3,856.54	1/2	3,498.69	1/2	3,140.85	1/2	2,783.00
3/4		3/4		3/4		3/4	4,918.34	3/4	4,563.11	3/4	4,206.30	3/4	3,849.08	3/4	3,491.24	3/4	3,133.39	3/4	2,775.55
6	6	6	6	6	6	6	4,910.99	6	4,555.67	6	4,198.87	6	3,841.63	6	3,483.78	6	3,125.94	6	2,768.09
1/4		1/4		1/4		1/4	4,903.64	1/4	4,548.24	1/4	4,191.44	1/4	3,834.17	1/4	3,476.33	1/4	3,118.48	1/4	2,760.64
1/2		1/2		1/2		1/2	4,896.29	1/2	4,540.81	1/2	4,184.00	1/2	3,826.72	1/2	3,468.87	1/2	3,111.03	1/2	2,753.18
3/4		3/4		3/4		3/4	4,888.93	3/4	4,533.37	3/4	4,176.57	3/4	3,819.26	3/4	3,461.42	3/4	3,103.57	3/4	2,745.73
7	7	7	7	7	7	7	4,881.57	7	4,525.94	7	4,169.14	7	3,811.81	7	3,453.96	7	3,096.12	7	2,738.27
1/4		1/4		1/4		1/4	4,874.21	1/4	4,518.50	1/4	4,161.70	1/4	3,804.35	1/4	3,446.51	1/4	3,088.66	1/4	2,730.82
1/2		1/2		1/2		1/2	4,866.85	1/2	4,511.07	1/2	4,154.27	1/2	3,796.90	1/2	3,439.05	1/2	3,081.21	1/2	2,723.36
3/4		3/4		3/4		3/4	4,859.49	3/4	4,503.64	3/4	4,146.83	3/4	3,789.44	3/4	3,431.60	3/4	3,073.75	3/4	2,715.91
8	8	8	8	8	8	8	4,852.13	8	4,496.20	8	4,139.40	8	3,781.98	8	3,424.14	8	3,066.30	8	2,708.45
1/4		1/4		1/4		1/4	4,844.77	1/4	4,488.77	1/4	4,131.97	1/4	3,774.53	1/4	3,416.69	1/4	3,058.84	1/4	2,701.00
1/2		1/2		1/2		1/2	4,837.40	1/2	4,481.34	1/2	4,124.53	1/2	3,767.07	1/2	3,409.23	1/2	3,051.39	1/2	2,693.54
3/4		3/4		3/4		3/4	4,830.04	3/4	4,473.90	3/4	4,117.10	3/4	3,759.62	3/4	3,401.77	3/4	3,043.93	3/4	2,686.09
9	9	9	9	9	9	9	4,822.68	9	4,466.47	9	4,109.67	9	3,752.16	9	3,394.32	9	3,036.47	9	2,678.63
1/4		1/4		1/4		1/4	4,815.33	1/4	4,459.04	1/4	4,102.23	1/4	3,744.71	1/4	3,386.86	1/4	3,029.02	1/4	2,671.17
1/2		1/2		1/2		1/2	4,807.97	1/2	4,451.60	1/2	4,094.80	1/2	3,737.25	1/2	3,379.41	1/2	3,021.56	1/2	2,663.72
3/4		3/4		3/4		3/4	4,800.61	3/4	4,444.17	3/4	4,087.37	3/4	3,729.80	3/4	3,371.95	3/4	3,014.11	3/4	2,656.26
10	10	10	10	10	10	10	4,793.25	10	4,436.74	10	4,079.93	10	3,722.34	10	3,364.50	10	3,006.65	10	2,648.81
1/4		1/4		1/4		1/4	4,785.89	1/4	4,429.30	1/4	4,072.50	1/4	3,714.89	1/4	3,357.04	1/4	2,999.20	1/4	2,641.35
1/2		1/2		1/2		1/2	4,778.53	1/2	4,421.87	1/2	4,065.07	1/2	3,707.43	1/2	3,349.59	1/2	2,991.74	1/2	2,633.90
3/4		3/4		3/4		3/4	4,771.13	3/4	4,414.44	3/4	4,057.63	3/4	3,699.98	3/4	3,342.13	3/4	2,984.29	3/4	2,626.44
11	11	11	11	11	11	11	4,763.73	11	4,407.00	11	4,050.20	11	3,692.52	11	3,334.68	11	2,976.83	11	2,618.99
1/4		1/4		1/4		1/4	4,756.34	1/4	4,399.57	1/4	4,042.77	1/4	3,685.07	1/4	3,327.22	1/4	2,969.38	1/4	2,611.53
1/2		1/2		1/2		1/2	5,045.52	1/2	4,748.94	1/2	4,392.14	1/2	4,035.33	1/2	3,677.61	1/2	2,961.92	1/2	2,604.08
3/4		3/4		3/4		3/4	5,043.44	3/4	4,741.51	3/4	4,384.70	3/4	4,027.90	3/4	3,670.16	3/4	2,954.47	3/4	2,596.62

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 10" HATCH ON EXPANSION DOME
 GAUGE POINT: (10" HATCH) LOCATED 3'-00" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
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BARGE "E2MS 312"

1 PORT

ULLAGE TABLE

10" HATCH

GAUGE HEIGHT 17'-06 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,589.16	0	2,231.22	0	1,873.27	0	1,515.33	0	1,157.38	0	801.76	0	444.87	0	120.52	0		0	
1/4	2,581.71	1/4	2,223.76	1/4	1,865.82	1/4	1,507.87	1/4	1,149.92	1/4	794.36	1/4	437.58	1/4	114.29	1/4		1/4	
1/2	2,574.25	1/2	2,216.30	1/2	1,858.36	1/2	1,500.41	1/2	1,142.47	1/2	786.96	1/2	430.30	1/2	108.06	1/2		1/2	
3/4	2,566.79	3/4	2,208.85	3/4	1,850.90	3/4	1,492.96	3/4	1,135.03	3/4	779.53	3/4	423.11	3/4	101.92	3/4		3/4	
1	2,559.34	1	2,201.39	1	1,843.44	1	1,485.50	1	1,127.58	1	772.10	1	415.91	1	95.78	1		1	
1/4	2,551.88	1/4	2,193.93	1/4	1,835.99	1/4	1,478.04	1/4	1,120.14	1/4	764.66	1/4	408.72	1/4	89.64	1/4		1/4	
1/2	2,544.42	1/2	2,186.48	1/2	1,828.53	1/2	1,470.58	1/2	1,112.70	1/2	757.23	1/2	401.52	1/2	83.51	1/2		1/2	
3/4	2,536.96	3/4	2,179.02	3/4	1,821.07	3/4	1,463.13	3/4	1,105.28	3/4	749.77	3/4	394.42	3/4	77.47	3/4		3/4	
2	2,529.51	2	2,171.56	2	1,813.62	2	1,455.67	2	1,097.85	2	742.32	2	387.31	2	71.44	2		2	
1/4	2,522.05	1/4	2,164.10	1/4	1,806.16	1/4	1,448.21	1/4	1,090.42	1/4	734.86	1/4	380.20	1/4	65.40	1/4		1/4	
1/2	2,514.59	1/2	2,156.65	1/2	1,798.70	1/2	1,440.76	1/2	1,083.00	1/2	727.40	1/2	373.10	1/2	59.37	1/2		1/2	
3/4	2,507.14	3/4	2,149.19	3/4	1,791.24	3/4	1,433.30	3/4	1,075.58	3/4	719.95	3/4	366.08	3/4	53.89	3/4		3/4	
3	2,499.68	3	2,141.73	3	1,783.79	3	1,425.84	3	1,068.17	3	712.49	3	359.06	3	48.40	3		3	
1/4	2,492.22	1/4	2,134.28	1/4	1,776.33	1/4	1,418.38	1/4	1,060.75	1/4	705.03	1/4	352.04	1/4	42.92	1/4		1/4	
1/2	2,484.76	1/2	2,126.82	1/2	1,768.87	1/2	1,410.93	1/2	1,053.33	1/2	697.58	1/2	345.02	1/2	37.43	1/2		1/2	
3/4	2,477.31	3/4	2,119.36	3/4	1,761.42	3/4	1,403.47	3/4	1,045.93	3/4	690.12	3/4	338.08	3/4	33.41	3/4		3/4	
4	2,469.85	4	2,111.90	4	1,753.96	4	1,396.01	4	1,038.53	4	682.66	4	331.15	4	29.40	4		4	
1/4	2,462.39	1/4	2,104.45	1/4	1,746.50	1/4	1,388.56	1/4	1,031.12	1/4	675.20	1/4	324.22	1/4	25.38	1/4		1/4	
1/2	2,454.93	1/2	2,096.99	1/2	1,739.04	1/2	1,381.10	1/2	1,023.72	1/2	667.75	1/2	317.29	1/2	21.36	1/2		1/2	
3/4	2,447.48	3/4	2,089.53	3/4	1,731.59	3/4	1,373.64	3/4	1,016.32	3/4	660.29	3/4	310.44	3/4	18.44	3/4		3/4	
5	2,440.02	5	2,082.07	5	1,724.13	5	1,366.18	5	1,008.93	5	652.83	5	303.60	5	15.52	5		5	
1/4	2,432.56	1/4	2,074.62	1/4	1,716.67	1/4	1,358.73	1/4	1,001.53	1/4	645.38	1/4	296.75	1/4	12.61	1/4		1/4	
1/2	2,425.11	1/2	2,067.16	1/2	1,709.21	1/2	1,351.27	1/2	994.13	1/2	637.92	1/2	289.91	1/2	9.69	1/2		1/2	
3/4	2,417.65	3/4	2,059.70	3/4	1,701.76	3/4	1,343.81	3/4	986.73	3/4	630.46	3/4	283.15	3/4	7.82	3/4		3/4	
6	2,410.19	6	2,052.25	6	1,694.30	6	1,336.35	6	979.33	6	623.01	6	276.39	6	5.96	6		6	
1/4	2,402.73	1/4	2,044.79	1/4	1,686.84	1/4	1,328.90	1/4	971.93	1/4	615.55	1/4	269.64	1/4	4.09	1/4		1/4	
1/2	2,395.28	1/2	2,037.33	1/2	1,679.39	1/2	1,321.44	1/2	964.54	1/2	608.09	1/2	262.88	1/2	2.23	1/2		1/2	
3/4	2,387.82	3/4	2,029.87	3/4	1,671.93	3/4	1,313.98	3/4	957.14	3/4	600.64	3/4	256.21	3/4		3/4		3/4	
7	2,380.36	7	2,022.42	7	1,664.47	7	1,306.53	7	949.74	7	593.18	7	249.54	7		7		7	
1/4	2,372.91	1/4	2,014.96	1/4	1,657.01	1/4	1,299.07	1/4	942.34	1/4	585.73	1/4	242.87	1/4		1/4		1/4	
1/2	2,365.45	1/2	2,007.50	1/2	1,649.56	1/2	1,291.61	1/2	934.94	1/2	578.27	1/2	236.20	1/2		1/2		1/2	
3/4	2,357.99	3/4	2,000.05	3/4	1,642.10	3/4	1,284.15	3/4	927.54	3/4	570.82	3/4	229.62	3/4		3/4		3/4	
8	2,350.53	8	1,992.59	8	1,634.64	8	1,276.70	8	920.15	8	563.37	8	223.04	8		8		8	
1/4	2,343.08	1/4	1,985.13	1/4	1,627.19	1/4	1,269.24	1/4	912.75	1/4	555.92	1/4	216.46	1/4		1/4		1/4	
1/2	2,335.62	1/2	1,977.67	1/2	1,619.73	1/2	1,261.78	1/2	905.35	1/2	548.47	1/2	209.87	1/2		1/2		1/2	
3/4	2,328.16	3/4	1,970.22	3/4	1,612.27	3/4	1,254.33	3/4	897.95	3/4	541.01	3/4	203.38	3/4		3/4		3/4	
9	2,320.71	9	1,962.76	9	1,604.81	9	1,246.87	9	890.55	9	533.56	9	196.88	9		9		9	
1/4	2,313.25	1/4	1,955.30	1/4	1,597.36	1/4	1,239.41	1/4	883.15	1/4	526.10	1/4	190.39	1/4		1/4		1/4	
1/2	2,305.79	1/2	1,947.85	1/2	1,589.90	1/2	1,231.95	1/2	875.76	1/2	518.65	1/2	183.89	1/2		1/2		1/2	
3/4	2,298.33	3/4	1,940.39	3/4	1,582.44	3/4	1,224.50	3/4	868.36	3/4	511.21	3/4	177.49	3/4		3/4		3/4	
10	2,290.88	10	1,932.93	10	1,574.99	10	1,217.04	10	860.96	10	503.78	10	171.08	10		10		10	
1/4	2,283.42	1/4	1,925.47	1/4	1,567.53	1/4	1,209.58	1/4	853.56	1/4	496.34	1/4	164.67	1/4		1/4		1/4	
1/2	2,275.96	1/2	1,918.02	1/2	1,560.07	1/2	1,202.13	1/2	846.16	1/2	488.91	1/2	158.27	1/2		1/2		1/2	
3/4	2,268.50	3/4	1,910.56	3/4	1,552.61	3/4	1,194.67	3/4	838.76	3/4	481.54	3/4	151.95	3/4		3/4		3/4	
11	2,261.05	11	1,903.10	11	1,545.16	11	1,187.21	11	831.37	11	474.17	11	145.63	11		11		11	
1/4	2,253.59	1/4	1,895.64	1/4	1,537.70	1/4	1,179.75	1/4	823.97	1/4	466.80	1/4	139.31	1/4		1/4		1/4	
1/2	2,246.13	1/2	1,888.19	1/2	1,530.24	1/2	1,172.30	1/2	816.57	1/2	459.43	1/2	132.99	1/2		1/2		1/2	
3/4	2,238.68	3/4	1,880.73	3/4	1,522.78	3/4	1,164.84	3/4	809.17	3/4	452.15	3/4	126.76	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/21/2018 CL
CALCULATED: 01/08/2019 CL
PRINTED: 01/08/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "E2MS 312"

1 STBD ULLAGE TABLE

10" HATCH GAUGE HEIGHT 17'-07"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		6	5,045.07	0	4,748.65	0	4,392.02	0	4,035.40	0	3,677.87	0	3,320.20	0	2,962.53
1/4		1/4		1/4		1/4	5,043.00	1/4	4,741.22	1/4	4,384.59	1/4	4,027.97	1/4	3,670.42	1/4	3,312.75	1/4	2,955.07
1/2		1/2		1/2		1/2	5,040.92	1/2	4,733.79	1/2	4,377.16	1/2	4,020.54	1/2	3,662.97	1/2	3,305.29	1/2	2,947.62
3/4		3/4		3/4		3/4	5,038.84	3/4	4,726.36	3/4	4,369.73	3/4	4,013.11	3/4	3,655.52	3/4	3,297.84	3/4	2,940.17
1		1		1		1	5,036.76	1	4,718.93	1	4,362.30	1	4,005.68	1	3,648.06	1	3,290.39	1	2,932.72
1/4		1/4		1/4		1/4	5,033.44	1/4	4,711.50	1/4	4,354.87	1/4	3,998.24	1/4	3,640.61	1/4	3,282.94	1/4	2,925.27
1/2		1/2		1/2		1/2	5,030.12	1/2	4,704.07	1/2	4,347.45	1/2	3,990.80	1/2	3,633.16	1/2	3,275.49	1/2	2,917.82
3/4		3/4		3/4		3/4	5,026.80	3/4	4,696.64	3/4	4,340.02	3/4	3,983.37	3/4	3,625.71	3/4	3,268.04	3/4	2,910.37
2		2		2		2	5,023.48	2	4,689.21	2	4,332.59	2	3,975.93	2	3,618.26	2	3,260.59	2	2,902.91
1/4		1/4		1/4		1/4	5,018.92	1/4	4,681.78	1/4	4,325.16	1/4	3,968.48	1/4	3,610.81	1/4	3,253.13	1/4	2,895.46
1/2		1/2		1/2		1/2	5,014.35	1/2	4,674.35	1/2	4,317.73	1/2	3,961.03	1/2	3,603.35	1/2	3,245.68	1/2	2,888.01
3/4		3/4		3/4		3/4	5,009.79	3/4	4,666.92	3/4	4,310.30	3/4	3,953.58	3/4	3,595.90	3/4	3,238.23	3/4	2,880.56
3		3		3		3	5,005.23	3	4,659.49	3	4,302.87	3	3,946.12	3	3,588.45	3	3,230.78	3	2,873.11
1/4		1/4		1/4		1/4	4,999.42	1/4	4,652.06	1/4	4,295.44	1/4	3,938.67	1/4	3,581.00	1/4	3,223.33	1/4	2,865.66
1/2		1/2		1/2		1/2	4,993.62	1/2	4,644.63	1/2	4,288.01	1/2	3,931.22	1/2	3,573.55	1/2	3,215.88	1/2	2,858.20
3/4		3/4		3/4		3/4	4,987.81	3/4	4,637.20	3/4	4,280.58	3/4	3,923.77	3/4	3,566.10	3/4	3,208.43	3/4	2,850.75
4		4		4		4	4,982.01	4	4,629.77	4	4,273.15	4	3,916.32	4	3,558.65	4	3,200.97	4	2,843.30
1/4		1/4		1/4		1/4	4,975.15	1/4	4,622.34	1/4	4,265.72	1/4	3,908.87	1/4	3,551.19	1/4	3,193.52	1/4	2,835.85
1/2		1/2		1/2		1/2	4,968.29	1/2	4,614.91	1/2	4,258.29	1/2	3,901.41	1/2	3,543.74	1/2	3,186.07	1/2	2,828.40
3/4		3/4		3/4		3/4	4,961.44	3/4	4,607.48	3/4	4,250.86	3/4	3,893.96	3/4	3,536.29	3/4	3,178.62	3/4	2,820.95
5		5		5		5	4,954.58	5	4,600.06	5	4,243.43	5	3,886.51	5	3,528.84	5	3,171.17	5	2,813.50
1/4		1/4		1/4		1/4	4,947.26	1/4	4,592.63	1/4	4,236.00	1/4	3,879.06	1/4	3,521.39	1/4	3,163.72	1/4	2,806.04
1/2		1/2		1/2		1/2	4,939.95	1/2	4,585.20	1/2	4,228.57	1/2	3,871.61	1/2	3,513.94	1/2	3,156.26	1/2	2,798.59
3/4		3/4		3/4		3/4	4,932.63	3/4	4,577.77	3/4	4,221.14	3/4	3,864.16	3/4	3,506.49	3/4	3,148.81	3/4	2,791.14
6		6		6		6	4,925.32	6	4,570.34	6	4,213.71	6	3,856.71	6	3,499.03	6	3,141.36	6	2,783.69
1/4		1/4		1/4		1/4	4,917.97	1/4	4,562.91	1/4	4,206.28	1/4	3,849.25	1/4	3,491.58	1/4	3,133.91	1/4	2,776.24
1/2		1/2		1/2		1/2	4,910.62	1/2	4,555.48	1/2	4,198.85	1/2	3,841.80	1/2	3,484.13	1/2	3,126.46	1/2	2,768.79
3/4		3/4		3/4		3/4	4,903.27	3/4	4,548.05	3/4	4,191.42	3/4	3,834.35	3/4	3,476.68	3/4	3,119.01	3/4	2,761.34
7		7		7		7	4,895.92	7	4,540.62	7	4,183.99	7	3,826.90	7	3,469.23	7	3,111.56	7	2,753.88
1/4		1/4		1/4		1/4	4,888.57	1/4	4,533.19	1/4	4,176.56	1/4	3,819.45	1/4	3,461.78	1/4	3,104.10	1/4	2,746.43
1/2		1/2		1/2		1/2	4,881.21	1/2	4,525.76	1/2	4,169.13	1/2	3,812.00	1/2	3,454.32	1/2	3,096.65	1/2	2,738.98
3/4		3/4		3/4		3/4	4,873.85	3/4	4,518.33	3/4	4,161.70	3/4	3,804.55	3/4	3,446.87	3/4	3,089.20	3/4	2,731.53
8		8		8		8	4,866.50	8	4,510.90	8	4,154.27	8	3,797.09	8	3,439.42	8	3,081.75	8	2,724.08
1/4		1/4		1/4		1/4	4,859.14	1/4	4,503.47	1/4	4,146.84	1/4	3,789.64	1/4	3,431.97	1/4	3,074.30	1/4	2,716.63
1/2		1/2		1/2		1/2	4,851.78	1/2	4,496.04	1/2	4,139.41	1/2	3,782.19	1/2	3,424.52	1/2	3,066.85	1/2	2,709.17
3/4		3/4		3/4		3/4	4,844.43	3/4	4,488.61	3/4	4,131.98	3/4	3,774.74	3/4	3,417.07	3/4	3,059.40	3/4	2,701.72
9		9		9		9	4,837.07	9	4,481.18	9	4,124.55	9	3,767.29	9	3,409.62	9	3,051.94	9	2,694.27
1/4		1/4		1/4		1/4	4,829.71	1/4	4,473.75	1/4	4,117.12	1/4	3,759.84	1/4	3,402.16	1/4	3,044.49	1/4	2,686.82
1/2		1/2		1/2		1/2	4,822.36	1/2	4,466.32	1/2	4,109.69	1/2	3,752.38	1/2	3,394.71	1/2	3,037.04	1/2	2,679.37
3/4		3/4		3/4		3/4	4,815.00	3/4	4,458.89	3/4	4,102.27	3/4	3,744.93	3/4	3,387.26	3/4	3,029.59	3/4	2,671.92
10		10		10		10	4,807.65	10	4,451.46	10	4,094.84	10	3,737.48	10	3,379.81	10	3,022.14	10	2,664.47
1/4		1/4		1/4		1/4	4,800.29	1/4	4,444.03	1/4	4,087.41	1/4	3,730.03	1/4	3,372.36	1/4	3,014.69	1/4	2,657.01
1/2		1/2		1/2		1/2	4,792.93	1/2	4,436.60	1/2	4,079.98	1/2	3,722.58	1/2	3,364.91	1/2	3,007.23	1/2	2,649.56
3/4		3/4		3/4		3/4	4,785.58	3/4	4,429.17	3/4	4,072.55	3/4	3,715.13	3/4	3,357.46	3/4	2,999.78	3/4	2,642.11
11		11		11		11	4,778.22	11	4,421.74	11	4,065.12	11	3,707.68	11	3,350.00	11	2,992.33	11	2,634.66
1/4		1/4		1/4		1/4	4,770.83	1/4	4,414.31	1/4	4,057.69	1/4	3,700.22	1/4	3,342.55	1/4	2,984.88	1/4	2,627.21
1/2		1/2		1/2		1/2	4,763.44	1/2	4,406.88	1/2	4,050.26	1/2	3,692.77	1/2	3,335.10	1/2	2,977.43	1/2	2,619.76
3/4		3/4		3/4		3/4	4,756.04	3/4	4,399.45	3/4	4,042.83	3/4	3,685.32	3/4	3,327.65	3/4	2,969.98	3/4	2,612.31

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 10" HATCH ON EXPANSION DOME
 GAUGE POINT: (10" HATCH) LOCATED 3'-00" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD

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



BARGE "E2MS 312"

1 STBD

ULLAGE TABLE 10" HATCH GAUGE HEIGHT 17'-07"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,604.85	0	2,247.10	0	1,889.33	0	1,531.55	0	1,173.78	0	816.48	0	459.18	0	132.91	0		0	
1/4	2,597.41	1/4	2,239.65	1/4	1,881.87	1/4	1,524.10	1/4	1,166.33	1/4	809.04	1/4	451.90	1/4	126.68	1/4		1/4	
1/2	2,589.96	1/2	2,232.19	1/2	1,874.42	1/2	1,516.65	1/2	1,158.87	1/2	801.59	1/2	444.62	1/2	120.45	1/2		1/2	
3/4	2,582.51	3/4	2,224.74	3/4	1,866.97	3/4	1,509.19	3/4	1,151.42	3/4	794.14	3/4	437.34	3/4	114.22	3/4		3/4	
1	2,575.06	1	2,217.29	1	1,859.51	1	1,501.74	1	1,143.97	1	786.70	1	430.06	1	108.00	1		1	
1/4	2,567.61	1/4	2,209.83	1/4	1,852.06	1/4	1,494.29	1/4	1,136.51	1/4	779.24	1/4	422.87	1/4	101.86	1/4		1/4	
1/2	2,560.15	1/2	2,202.38	1/2	1,844.61	1/2	1,486.83	1/2	1,129.06	1/2	771.79	1/2	415.68	1/2	95.73	1/2		1/2	
3/4	2,552.70	3/4	2,194.93	3/4	1,837.15	3/4	1,479.38	3/4	1,121.61	3/4	764.33	3/4	408.49	3/4	89.59	3/4		3/4	
2	2,545.24	2	2,187.47	2	1,829.70	2	1,471.93	2	1,114.15	2	756.88	2	401.30	2	83.46	2		2	
1/4	2,537.79	1/4	2,180.02	1/4	1,822.25	1/4	1,464.47	1/4	1,106.70	1/4	749.43	1/4	394.20	1/4	77.43	1/4		1/4	
1/2	2,530.34	1/2	2,172.56	1/2	1,814.79	1/2	1,457.02	1/2	1,099.25	1/2	741.97	1/2	387.09	1/2	71.40	1/2		1/2	
3/4	2,522.88	3/4	2,165.11	3/4	1,807.34	3/4	1,449.57	3/4	1,091.80	3/4	734.52	3/4	379.99	3/4	65.37	3/4		3/4	
3	2,515.43	3	2,157.66	3	1,799.88	3	1,442.11	3	1,084.35	3	727.07	3	372.89	3	59.34	3		3	
1/4	2,507.98	1/4	2,150.20	1/4	1,792.43	1/4	1,434.66	1/4	1,076.90	1/4	719.61	1/4	365.87	1/4	53.85	1/4		1/4	
1/2	2,500.52	1/2	2,142.75	1/2	1,784.98	1/2	1,427.20	1/2	1,069.45	1/2	712.16	1/2	358.85	1/2	48.37	1/2		1/2	
3/4	2,493.07	3/4	2,135.30	3/4	1,777.52	3/4	1,419.75	3/4	1,062.01	3/4	704.71	3/4	351.84	3/4	42.89	3/4		3/4	
4	2,485.62	4	2,127.84	4	1,770.07	4	1,412.30	4	1,054.56	4	697.25	4	344.82	4	37.41	4		4	
1/4	2,478.16	1/4	2,120.39	1/4	1,762.62	1/4	1,404.84	1/4	1,047.12	1/4	689.80	1/4	337.89	1/4	33.39	1/4		1/4	
1/2	2,470.71	1/2	2,112.94	1/2	1,755.16	1/2	1,397.39	1/2	1,039.67	1/2	682.35	1/2	330.96	1/2	29.38	1/2		1/2	
3/4	2,463.25	3/4	2,105.48	3/4	1,747.71	3/4	1,389.94	3/4	1,032.23	3/4	674.89	3/4	324.04	3/4	25.37	3/4		3/4	
5	2,455.80	5	2,098.03	5	1,740.26	5	1,382.48	5	1,024.79	5	667.44	5	317.11	5	21.35	5		5	
1/4	2,448.35	1/4	2,090.57	1/4	1,732.80	1/4	1,375.03	1/4	1,017.35	1/4	659.99	1/4	310.27	1/4	18.43	1/4		1/4	
1/2	2,440.89	1/2	2,083.12	1/2	1,725.35	1/2	1,367.58	1/2	1,009.91	1/2	652.53	1/2	303.43	1/2	15.52	1/2		1/2	
3/4	2,433.44	3/4	2,075.67	3/4	1,717.89	3/4	1,360.12	3/4	1,002.47	3/4	645.08	3/4	296.58	3/4	12.60	3/4		3/4	
6	2,425.99	6	2,068.21	6	1,710.44	6	1,352.67	6	995.03	6	637.63	6	289.74	6	9.68	6		6	
1/4	2,418.53	1/4	2,060.76	1/4	1,702.99	1/4	1,345.21	1/4	987.59	1/4	630.17	1/4	282.99	1/4	7.82	1/4		1/4	
1/2	2,411.08	1/2	2,053.31	1/2	1,695.53	1/2	1,337.76	1/2	980.15	1/2	622.72	1/2	276.24	1/2	5.96	1/2		1/2	
3/4	2,403.63	3/4	2,045.85	3/4	1,688.08	3/4	1,330.31	3/4	972.71	3/4	615.26	3/4	269.48	3/4	4.09	3/4		3/4	
7	2,396.17	7	2,038.40	7	1,680.63	7	1,322.85	7	965.27	7	607.81	7	262.73	7	2.23	7		7	
1/4	2,388.72	1/4	2,030.95	1/4	1,673.17	1/4	1,315.40	1/4	957.83	1/4	600.36	1/4	256.06	1/4		1/4		1/4	
1/2	2,381.27	1/2	2,023.49	1/2	1,665.72	1/2	1,307.95	1/2	950.39	1/2	592.90	1/2	249.40	1/2		1/2		1/2	
3/4	2,373.81	3/4	2,016.04	3/4	1,658.27	3/4	1,300.49	3/4	942.95	3/4	585.45	3/4	242.73	3/4		3/4		3/4	
8	2,366.36	8	2,008.59	8	1,650.81	8	1,293.04	8	935.51	8	578.00	8	236.07	8		8		8	
1/4	2,358.90	1/4	2,001.13	1/4	1,643.36	1/4	1,285.59	1/4	928.07	1/4	570.54	1/4	229.49	1/4		1/4		1/4	
1/2	2,351.45	1/2	1,993.68	1/2	1,635.91	1/2	1,278.13	1/2	920.63	1/2	563.09	1/2	222.91	1/2		1/2		1/2	
3/4	2,344.00	3/4	1,986.22	3/4	1,628.45	3/4	1,270.68	3/4	913.19	3/4	555.64	3/4	216.33	3/4		3/4		3/4	
9	2,336.54	9	1,978.77	9	1,621.00	9	1,263.23	9	905.75	9	548.18	9	209.75	9		9		9	
1/4	2,329.09	1/4	1,971.32	1/4	1,613.54	1/4	1,255.77	1/4	898.32	1/4	540.73	1/4	203.26	1/4		1/4		1/4	
1/2	2,321.64	1/2	1,963.86	1/2	1,606.09	1/2	1,248.32	1/2	890.88	1/2	533.28	1/2	196.77	1/2		1/2		1/2	
3/4	2,314.18	3/4	1,956.41	3/4	1,598.64	3/4	1,240.86	3/4	883.44	3/4	525.82	3/4	190.28	3/4		3/4		3/4	
10	2,306.73	10	1,948.96	10	1,591.18	10	1,233.41	10	876.00	10	518.37	10	183.79	10		10		10	
1/4	2,299.28	1/4	1,941.50	1/4	1,583.73	1/4	1,225.96	1/4	868.56	1/4	510.94	1/4	177.38	1/4		1/4		1/4	
1/2	2,291.82	1/2	1,934.05	1/2	1,576.28	1/2	1,218.50	1/2	861.12	1/2	503.51	1/2	170.98	1/2		1/2		1/2	
3/4	2,284.37	3/4	1,926.60	3/4	1,568.82	3/4	1,211.05	3/4	853.68	3/4	496.07	3/4	164.58	3/4		3/4		3/4	
11	2,276.91	11	1,919.14	11	1,561.37	11	1,203.60	11	846.24	11	488.64	11	158.17	11		11		11	
1/4	2,269.46	1/4	1,911.69	1/4	1,553.92	1/4	1,196.14	1/4	838.80	1/4	481.28	1/4	151.86	1/4		1/4		1/4	
1/2	2,262.01	1/2	1,904.23	1/2	1,546.46	1/2	1,188.69	1/2	831.36	1/2	473.91	1/2	145.54	1/2		1/2		1/2	
3/4	2,254.55	3/4	1,896.78	3/4	1,539.01	3/4	1,181.24	3/4	823.92	3/4	466.54	3/4	139.22	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/21/2018 CL
CALCULATED: 01/08/2019 CL
PRINTED: 01/08/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2019

PRECISION MEASUREMENT
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BARGE "E2MS 312"

2 PORT ULLAGE TABLE

10" HATCH GAUGE HEIGHT 17'-06 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	5,108.09	0	4,805.04	0	4,447.28	0	4,089.51	0	3,730.82	0	3,372.01	0	3,013.19
1/4		1/4		1/4		1/4	5,106.00	1/4	4,797.59	1/4	4,439.82	1/4	4,082.06	1/4	3,723.35	1/4	3,364.53	1/4	3,005.72
1/2		1/2		1/2		1/2	5,103.91	1/2	4,790.14	1/2	4,432.37	1/2	4,074.60	1/2	3,715.87	1/2	3,357.06	1/2	2,998.24
3/4		3/4		3/4		3/4	5,101.81	3/4	4,782.68	3/4	4,424.92	3/4	4,067.15	3/4	3,708.40	3/4	3,349.58	3/4	2,990.77
1	1	1	1	1	1	1	5,098.48	1	4,775.23	1	4,417.46	1	4,059.69	1	3,700.92	1	3,342.11	1	2,983.29
1/4		1/4		1/4		1/4	5,095.14	1/4	4,767.78	1/4	4,410.01	1/4	4,052.23	1/4	3,693.45	1/4	3,334.63	1/4	2,975.82
1/2		1/2		1/2		1/2	5,091.80	1/2	4,760.32	1/2	4,402.56	1/2	4,044.77	1/2	3,685.97	1/2	3,327.16	1/2	2,968.34
3/4		3/4		3/4		3/4	5,088.46	3/4	4,752.87	3/4	4,395.10	3/4	4,037.31	3/4	3,678.50	3/4	3,319.68	3/4	2,960.87
2	2	2	2	2	2	2	5,083.88	2	4,745.42	2	4,387.65	2	4,029.83	2	3,671.02	2	3,312.21	2	2,953.39
1/4		1/4		1/4		1/4	5,079.29	1/4	4,737.96	1/4	4,380.20	1/4	4,022.36	1/4	3,663.54	1/4	3,304.73	1/4	2,945.92
1/2		1/2		1/2		1/2	5,074.71	1/2	4,730.51	1/2	4,372.74	1/2	4,014.88	1/2	3,656.07	1/2	3,297.26	1/2	2,938.44
3/4		3/4		3/4		3/4	5,070.12	3/4	4,723.06	3/4	4,365.29	3/4	4,007.41	3/4	3,648.59	3/4	3,289.78	3/4	2,930.97
3	3	3	3	3	3	3	5,064.29	3	4,715.60	3	4,357.83	3	3,999.93	3	3,641.12	3	3,282.30	3	2,923.49
1/4		1/4		1/4		1/4	5,058.46	1/4	4,708.15	1/4	4,350.38	1/4	3,992.46	1/4	3,633.64	1/4	3,274.83	1/4	2,916.01
1/2		1/2		1/2		1/2	5,052.63	1/2	4,700.70	1/2	4,342.93	1/2	3,984.98	1/2	3,626.17	1/2	3,267.35	1/2	2,908.54
3/4		3/4		3/4		3/4	5,046.81	3/4	4,693.24	3/4	4,335.47	3/4	3,977.51	3/4	3,618.69	3/4	3,259.88	3/4	2,901.06
4	4	4	4	4	4	4	5,039.92	4	4,685.79	4	4,328.02	4	3,970.03	4	3,611.22	4	3,252.40	4	2,893.59
1/4		1/4		1/4		1/4	5,033.04	1/4	4,678.34	1/4	4,320.57	1/4	3,962.56	1/4	3,603.74	1/4	3,244.93	1/4	2,886.11
1/2		1/2		1/2		1/2	5,026.15	1/2	4,670.88	1/2	4,313.11	1/2	3,955.08	1/2	3,596.27	1/2	3,237.45	1/2	2,878.64
3/4		3/4		3/4		3/4	5,019.27	3/4	4,663.43	3/4	4,305.66	3/4	3,947.61	3/4	3,588.79	3/4	3,229.98	3/4	2,871.16
5	5	5	5	5	5	5	5,011.92	5	4,655.97	5	4,298.21	5	3,940.13	5	3,581.32	5	3,222.50	5	2,863.69
1/4		1/4		1/4		1/4	5,004.58	1/4	4,648.52	1/4	4,290.75	1/4	3,932.66	1/4	3,573.84	1/4	3,215.03	1/4	2,856.21
1/2		1/2		1/2		1/2	4,997.23	1/2	4,641.07	1/2	4,283.30	1/2	3,925.18	1/2	3,566.37	1/2	3,207.55	1/2	2,848.74
3/4		3/4		3/4		3/4	4,989.89	3/4	4,633.61	3/4	4,275.85	3/4	3,917.71	3/4	3,558.89	3/4	3,200.08	3/4	2,841.26
6	6	6	6	6	6	6	4,982.51	6	4,626.16	6	4,268.39	6	3,910.23	6	3,551.42	6	3,192.60	6	2,833.79
1/4		1/4		1/4		1/4	4,975.13	1/4	4,618.71	1/4	4,260.94	1/4	3,902.75	1/4	3,543.94	1/4	3,185.13	1/4	2,826.31
1/2		1/2		1/2		1/2	4,967.75	1/2	4,611.25	1/2	4,253.49	1/2	3,895.28	1/2	3,536.46	1/2	3,177.65	1/2	2,818.84
3/4		3/4		3/4		3/4	4,960.37	3/4	4,603.80	3/4	4,246.03	3/4	3,887.80	3/4	3,528.99	3/4	3,170.18	3/4	2,811.36
7	7	7	7	7	7	7	4,952.99	7	4,596.35	7	4,238.58	7	3,880.33	7	3,521.51	7	3,162.70	7	2,803.89
1/4		1/4		1/4		1/4	4,945.60	1/4	4,588.89	1/4	4,231.13	1/4	3,872.85	1/4	3,514.04	1/4	3,155.22	1/4	2,796.41
1/2		1/2		1/2		1/2	4,938.22	1/2	4,581.44	1/2	4,223.67	1/2	3,865.38	1/2	3,506.56	1/2	3,147.75	1/2	2,788.93
3/4		3/4		3/4		3/4	4,930.83	3/4	4,573.99	3/4	4,216.22	3/4	3,857.90	3/4	3,499.09	3/4	3,140.27	3/4	2,781.46
8	8	8	8	8	8	8	4,923.45	8	4,566.53	8	4,208.76	8	3,850.43	8	3,491.61	8	3,132.80	8	2,773.98
1/4		1/4		1/4		1/4	4,916.06	1/4	4,559.08	1/4	4,201.31	1/4	3,842.95	1/4	3,484.14	1/4	3,125.32	1/4	2,766.51
1/2		1/2		1/2		1/2	4,908.67	1/2	4,551.63	1/2	4,193.86	1/2	3,835.48	1/2	3,476.66	1/2	3,117.85	1/2	2,759.03
3/4		3/4		3/4		3/4	4,901.28	3/4	4,544.17	3/4	4,186.40	3/4	3,828.00	3/4	3,469.19	3/4	3,110.37	3/4	2,751.56
9	9	9	9	9	9	9	4,893.90	9	4,536.72	9	4,178.95	9	3,820.53	9	3,461.71	9	3,102.90	9	2,744.08
1/4		1/4		1/4		1/4	4,886.51	1/4	4,529.27	1/4	4,171.50	1/4	3,813.05	1/4	3,454.24	1/4	3,095.42	1/4	2,736.61
1/2		1/2		1/2		1/2	4,879.12	1/2	4,521.81	1/2	4,164.04	1/2	3,805.58	1/2	3,446.76	1/2	3,087.95	1/2	2,729.13
3/4		3/4		3/4		3/4	4,871.73	3/4	4,514.36	3/4	4,156.59	3/4	3,798.10	3/4	3,439.29	3/4	3,080.47	3/4	2,721.66
10	10	10	10	10	10	10	4,864.35	10	4,506.90	10	4,149.14	10	3,790.62	10	3,431.81	10	3,073.00	10	2,714.18
1/4		1/4		1/4		1/4	4,856.96	1/4	4,499.45	1/4	4,141.68	1/4	3,783.15	1/4	3,424.34	1/4	3,065.52	1/4	2,706.71
1/2		1/2		1/2		1/2	4,849.57	1/2	4,492.00	1/2	4,134.23	1/2	3,775.67	1/2	3,416.86	1/2	3,058.05	1/2	2,699.23
3/4		3/4		3/4		3/4	4,842.19	3/4	4,484.54	3/4	4,126.78	3/4	3,768.20	3/4	3,409.38	3/4	3,050.57	3/4	2,691.76
11	11	11	11	11	11	11	4,834.76	11	4,477.09	11	4,119.32	11	3,760.72	11	3,401.91	11	3,043.09	11	2,684.28
1/4		1/4		1/4		1/4	4,827.34	1/4	4,469.64	1/4	4,111.87	1/4	3,753.25	1/4	3,394.43	1/4	3,035.62	1/4	2,676.81
1/2		1/2		1/2		1/2	4,819.92	1/2	4,462.18	1/2	4,104.42	1/2	3,745.77	1/2	3,386.96	1/2	3,028.14	1/2	2,669.33
3/4		3/4		3/4		3/4	5,110.18	3/4	4,812.50	3/4	4,454.73	3/4	4,096.96	3/4	3,738.30	3/4	3,379.48	3/4	3,020.67

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 10" HATCH ON EXPANSION DOME
 GAUGE POINT: (10" HATCH) LOCATED 3'-00" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "E2MS 312"

2 PORT

ULLAGE TABLE

10" HATCH

GAUGE HEIGHT 17'-06 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,654.38	0	2,295.56	0	1,936.75	0	1,577.94	0	1,219.12	0	873.32	0	515.96	0	157.15	0		0	
1/4	2,646.90	1/4	2,288.09	1/4	1,929.28	1/4	1,570.46	1/4	1,211.65	1/4	866.14	1/4	508.48	1/4	149.67	1/4		1/4	
1/2	2,639.43	1/2	2,280.61	1/2	1,921.80	1/2	1,562.99	1/2	1,204.17	1/2	858.96	1/2	501.01	1/2	142.20	1/2		1/2	
3/4	2,631.95	3/4	2,273.14	3/4	1,914.32	3/4	1,555.51	3/4	1,196.70	3/4	851.78	3/4	493.53	3/4	134.72	3/4		3/4	
1	2,624.48	1	2,265.66	1	1,906.85	1	1,548.03	1	1,189.36	1	844.45	1	486.06	1	127.25	1		1	
1/4	2,617.00	1/4	2,258.19	1/4	1,899.37	1/4	1,540.56	1/4	1,182.03	1/4	837.11	1/4	478.58	1/4	119.78	1/4		1/4	
1/2	2,609.53	1/2	2,250.71	1/2	1,891.90	1/2	1,533.08	1/2	1,174.69	1/2	829.78	1/2	471.11	1/2	112.31	1/2		1/2	
3/4	2,602.05	3/4	2,243.24	3/4	1,884.42	3/4	1,525.61	3/4	1,167.36	3/4	822.45	3/4	463.63	3/4	104.85	3/4		3/4	
2	2,594.58	2	2,235.76	2	1,876.95	2	1,518.13	2	1,160.17	2	814.97	2	456.16	2	97.39	2		2	
1/4	2,587.10	1/4	2,228.29	1/4	1,869.47	1/4	1,510.66	1/4	1,152.99	1/4	807.50	1/4	448.68	1/4	89.94	1/4		1/4	
1/2	2,579.63	1/2	2,220.81	1/2	1,862.00	1/2	1,503.18	1/2	1,145.80	1/2	800.02	1/2	441.21	1/2	82.49	1/2		1/2	
3/4	2,572.15	3/4	2,213.34	3/4	1,854.52	3/4	1,495.71	3/4	1,138.62	3/4	792.55	3/4	433.73	3/4	75.04	3/4		3/4	
3	2,564.68	3	2,205.86	3	1,847.05	3	1,488.23	3	1,131.44	3	785.07	3	426.26	3	68.05	3		3	
1/4	2,557.20	1/4	2,198.39	1/4	1,839.57	1/4	1,480.76	1/4	1,124.27	1/4	777.60	1/4	418.78	1/4	61.06	1/4		1/4	
1/2	2,549.73	1/2	2,190.91	1/2	1,832.10	1/2	1,473.28	1/2	1,117.09	1/2	770.12	1/2	411.31	1/2	54.07	1/2		1/2	
3/4	2,542.25	3/4	2,183.44	3/4	1,824.62	3/4	1,465.81	3/4	1,109.91	3/4	762.65	3/4	403.83	3/4	47.08	3/4		3/4	
4	2,534.77	4	2,175.96	4	1,817.15	4	1,458.33	4	1,102.74	4	755.17	4	396.36	4	41.48	4		4	
1/4	2,527.30	1/4	2,168.48	1/4	1,809.67	1/4	1,450.86	1/4	1,095.57	1/4	747.69	1/4	388.88	1/4	35.87	1/4		1/4	
1/2	2,519.82	1/2	2,161.01	1/2	1,802.20	1/2	1,443.38	1/2	1,088.39	1/2	740.22	1/2	381.40	1/2	30.26	1/2		1/2	
3/4	2,512.35	3/4	2,153.53	3/4	1,794.72	3/4	1,435.91	3/4	1,081.22	3/4	732.74	3/4	373.93	3/4	24.66	3/4		3/4	
5	2,504.87	5	2,146.06	5	1,787.24	5	1,428.43	5	1,074.05	5	725.27	5	366.45	5	20.92	5		5	
1/4	2,497.40	1/4	2,138.58	1/4	1,779.77	1/4	1,420.95	1/4	1,066.88	1/4	717.79	1/4	358.98	1/4	17.18	1/4		1/4	
1/2	2,489.92	1/2	2,131.11	1/2	1,772.29	1/2	1,413.48	1/2	1,059.71	1/2	710.32	1/2	351.50	1/2	13.45	1/2		1/2	
3/4	2,482.45	3/4	2,123.63	3/4	1,764.82	3/4	1,406.00	3/4	1,052.55	3/4	702.84	3/4	344.03	3/4	9.71	3/4		3/4	
6	2,474.97	6	2,116.16	6	1,757.34	6	1,398.53	6	1,045.38	6	695.37	6	336.55	6	7.84	6		6	
1/4	2,467.50	1/4	2,108.68	1/4	1,749.87	1/4	1,391.05	1/4	1,038.21	1/4	687.89	1/4	329.08	1/4	5.97	1/4		1/4	
1/2	2,460.02	1/2	2,101.21	1/2	1,742.39	1/2	1,383.58	1/2	1,031.04	1/2	680.42	1/2	321.60	1/2	4.10	1/2		1/2	
3/4	2,452.55	3/4	2,093.73	3/4	1,734.92	3/4	1,376.10	3/4	1,023.87	3/4	672.94	3/4	314.13	3/4	2.23	3/4		3/4	
7	2,445.07	7	2,086.26	7	1,727.44	7	1,368.63	7	1,016.70	7	665.47	7	306.65	7		7		7	
1/4	2,437.60	1/4	2,078.78	1/4	1,719.97	1/4	1,361.15	1/4	1,009.54	1/4	657.99	1/4	299.18	1/4		1/4		1/4	
1/2	2,430.12	1/2	2,071.31	1/2	1,712.49	1/2	1,353.68	1/2	1,002.37	1/2	650.52	1/2	291.70	1/2		1/2		1/2	
3/4	2,422.65	3/4	2,063.83	3/4	1,705.02	3/4	1,346.20	3/4	995.20	3/4	643.04	3/4	284.23	3/4		3/4		3/4	
8	2,415.17	8	2,056.36	8	1,697.54	8	1,338.73	8	988.03	8	635.56	8	276.75	8		8		8	
1/4	2,407.69	1/4	2,048.88	1/4	1,690.07	1/4	1,331.25	1/4	980.86	1/4	628.09	1/4	269.28	1/4		1/4		1/4	
1/2	2,400.22	1/2	2,041.40	1/2	1,682.59	1/2	1,323.78	1/2	973.69	1/2	620.61	1/2	261.80	1/2		1/2		1/2	
3/4	2,392.74	3/4	2,033.93	3/4	1,675.12	3/4	1,316.30	3/4	966.52	3/4	613.14	3/4	254.32	3/4		3/4		3/4	
9	2,385.27	9	2,026.45	9	1,667.64	9	1,308.83	9	959.36	9	605.66	9	246.85	9		9		9	
1/4	2,377.79	1/4	2,018.98	1/4	1,660.16	1/4	1,301.35	1/4	952.19	1/4	598.19	1/4	239.37	1/4		1/4		1/4	
1/2	2,370.32	1/2	2,011.50	1/2	1,652.69	1/2	1,293.87	1/2	945.02	1/2	590.71	1/2	231.90	1/2		1/2		1/2	
3/4	2,362.84	3/4	2,004.03	3/4	1,645.21	3/4	1,286.40	3/4	937.85	3/4	583.24	3/4	224.42	3/4		3/4		3/4	
10	2,355.37	10	1,996.55	10	1,637.74	10	1,278.92	10	930.68	10	575.76	10	216.95	10		10		10	
1/4	2,347.89	1/4	1,989.08	1/4	1,630.26	1/4	1,271.45	1/4	923.51	1/4	568.29	1/4	209.47	1/4		1/4		1/4	
1/2	2,340.42	1/2	1,981.60	1/2	1,622.79	1/2	1,263.97	1/2	916.34	1/2	560.81	1/2	202.00	1/2		1/2		1/2	
3/4	2,332.94	3/4	1,974.13	3/4	1,615.31	3/4	1,256.50	3/4	909.18	3/4	553.34	3/4	194.52	3/4		3/4		3/4	
11	2,325.47	11	1,966.65	11	1,607.84	11	1,249.02	11	902.01	11	545.86	11	187.05	11		11		11	
1/4	2,317.99	1/4	1,959.18	1/4	1,600.36	1/4	1,241.55	1/4	894.84	1/4	538.39	1/4	179.57	1/4		1/4		1/4	
1/2	2,310.52	1/2	1,951.70	1/2	1,592.89	1/2	1,234.07	1/2	887.67	1/2	530.91	1/2	172.10	1/2		1/2		1/2	
3/4	2,303.04	3/4	1,944.23	3/4	1,585.41	3/4	1,226.60	3/4	880.50	3/4	523.44	3/4	164.62	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/21/2018 CL
CALCULATED: 01/08/2019 CL
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CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2019

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



BARGE "E2MS 312"

2 STBD

ULLAGE TABLE

10" HATCH

GAUGE HEIGHT 17'-06 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,664.72	0	2,305.39	0	1,946.06	0	1,586.73	0	1,227.39	0	868.54	0	509.22	0	149.89	0		0	
1/4	2,657.24	1/4	2,297.90	1/4	1,938.57	1/4	1,579.24	1/4	1,219.91	1/4	861.06	1/4	501.74	1/4	142.40	1/4		1/4	
1/2	2,649.75	1/2	2,290.42	1/2	1,931.09	1/2	1,571.75	1/2	1,212.42	1/2	853.58	1/2	494.25	1/2	134.92	1/2		1/2	
3/4	2,642.27	3/4	2,282.93	3/4	1,923.60	3/4	1,564.27	3/4	1,204.93	3/4	846.10	3/4	486.76	3/4	127.44	3/4		3/4	
1	2,634.78	1	2,275.45	1	1,916.11	1	1,556.78	1	1,197.45	1	838.61	1	479.28	1	119.96	1		1	
1/4	2,627.29	1/4	2,267.96	1/4	1,908.63	1/4	1,549.29	1/4	1,189.96	1/4	831.12	1/4	471.79	1/4	112.48	1/4		1/4	
1/2	2,619.81	1/2	2,260.47	1/2	1,901.14	1/2	1,541.81	1/2	1,182.48	1/2	823.64	1/2	464.30	1/2	105.00	1/2		1/2	
3/4	2,612.32	3/4	2,252.99	3/4	1,893.66	3/4	1,534.32	3/4	1,174.99	3/4	816.15	3/4	456.82	3/4	97.54	3/4		3/4	
2	2,604.83	2	2,245.50	2	1,886.17	2	1,526.84	2	1,167.51	2	808.67	2	449.33	2	90.07	2		2	
1/4	2,597.35	1/4	2,238.02	1/4	1,878.68	1/4	1,519.35	1/4	1,160.03	1/4	801.18	1/4	441.85	1/4	82.61	1/4		1/4	
1/2	2,589.86	1/2	2,230.53	1/2	1,871.20	1/2	1,511.86	1/2	1,152.54	1/2	793.69	1/2	434.36	1/2	75.15	1/2		1/2	
3/4	2,582.38	3/4	2,223.04	3/4	1,863.71	3/4	1,504.38	3/4	1,145.06	3/4	786.21	3/4	426.87	3/4	68.15	3/4		3/4	
3	2,574.89	3	2,215.56	3	1,856.22	3	1,496.89	3	1,137.58	3	778.72	3	419.39	3	61.15	3		3	
1/4	2,567.40	1/4	2,208.07	1/4	1,848.74	1/4	1,489.41	1/4	1,130.10	1/4	771.23	1/4	411.90	1/4	54.15	1/4		1/4	
1/2	2,559.92	1/2	2,200.59	1/2	1,841.25	1/2	1,481.92	1/2	1,122.62	1/2	763.75	1/2	404.42	1/2	47.15	1/2		1/2	
3/4	2,552.43	3/4	2,193.10	3/4	1,833.77	3/4	1,474.43	3/4	1,115.14	3/4	756.26	3/4	396.93	3/4	41.54	3/4		3/4	
4	2,544.95	4	2,185.61	4	1,826.28	4	1,466.95	4	1,107.67	4	748.78	4	389.44	4	35.92	4		4	
1/4	2,537.46	1/4	2,178.13	1/4	1,818.79	1/4	1,459.46	1/4	1,100.19	1/4	741.29	1/4	381.96	1/4	30.31	1/4		1/4	
1/2	2,529.97	1/2	2,170.64	1/2	1,811.31	1/2	1,451.98	1/2	1,092.72	1/2	733.80	1/2	374.47	1/2	24.69	1/2		1/2	
3/4	2,522.49	3/4	2,163.15	3/4	1,803.82	3/4	1,444.49	3/4	1,085.24	3/4	726.32	3/4	366.99	3/4	20.95	3/4		3/4	
5	2,515.00	5	2,155.67	5	1,796.34	5	1,437.00	5	1,077.77	5	718.83	5	359.50	5	17.21	5		5	
1/4	2,507.52	1/4	2,148.18	1/4	1,788.85	1/4	1,429.52	1/4	1,070.30	1/4	711.35	1/4	352.01	1/4	13.47	1/4		1/4	
1/2	2,500.03	1/2	2,140.70	1/2	1,781.36	1/2	1,422.03	1/2	1,062.83	1/2	703.86	1/2	344.53	1/2	9.72	1/2		1/2	
3/4	2,492.54	3/4	2,133.21	3/4	1,773.88	3/4	1,414.54	3/4	1,055.36	3/4	696.37	3/4	337.04	3/4	7.85	3/4		3/4	
6	2,485.06	6	2,125.72	6	1,766.39	6	1,407.06	6	1,047.88	6	688.89	6	329.56	6	5.98	6		6	
1/4	2,477.57	1/4	2,118.24	1/4	1,758.91	1/4	1,399.57	1/4	1,040.41	1/4	681.40	1/4	322.07	1/4	4.11	1/4		1/4	
1/2	2,470.08	1/2	2,110.75	1/2	1,751.42	1/2	1,392.09	1/2	1,032.94	1/2	673.92	1/2	314.58	1/2	2.24	1/2		1/2	
3/4	2,462.60	3/4	2,103.27	3/4	1,743.93	3/4	1,384.60	3/4	1,025.47	3/4	666.43	3/4	307.10	3/4		3/4		3/4	
7	2,455.11	7	2,095.78	7	1,736.45	7	1,377.11	7	1,018.00	7	658.94	7	299.61	7		7		7	
1/4	2,447.63	1/4	2,088.29	1/4	1,728.96	1/4	1,369.63	1/4	1,010.52	1/4	651.46	1/4	292.12	1/4		1/4		1/4	
1/2	2,440.14	1/2	2,080.81	1/2	1,721.47	1/2	1,362.14	1/2	1,003.05	1/2	643.97	1/2	284.64	1/2		1/2		1/2	
3/4	2,432.65	3/4	2,073.32	3/4	1,713.99	3/4	1,354.66	3/4	995.58	3/4	636.49	3/4	277.15	3/4		3/4		3/4	
8	2,425.17	8	2,065.84	8	1,706.50	8	1,347.17	8	988.11	8	629.00	8	269.67	8		8		8	
1/4	2,417.68	1/4	2,058.35	1/4	1,699.02	1/4	1,339.68	1/4	980.64	1/4	621.51	1/4	262.18	1/4		1/4		1/4	
1/2	2,410.20	1/2	2,050.86	1/2	1,691.53	1/2	1,332.20	1/2	973.16	1/2	614.03	1/2	254.69	1/2		1/2		1/2	
3/4	2,402.71	3/4	2,043.38	3/4	1,684.04	3/4	1,324.71	3/4	965.69	3/4	606.54	3/4	247.21	3/4		3/4		3/4	
9	2,395.22	9	2,035.89	9	1,676.56	9	1,317.23	9	958.22	9	599.05	9	239.72	9		9		9	
1/4	2,387.74	1/4	2,028.40	1/4	1,669.07	1/4	1,309.74	1/4	950.75	1/4	591.57	1/4	232.24	1/4		1/4		1/4	
1/2	2,380.25	1/2	2,020.92	1/2	1,661.59	1/2	1,302.25	1/2	943.28	1/2	584.08	1/2	224.75	1/2		1/2		1/2	
3/4	2,372.77	3/4	2,013.43	3/4	1,654.10	3/4	1,294.77	3/4	935.80	3/4	576.60	3/4	217.26	3/4		3/4		3/4	
10	2,365.28	10	2,005.95	10	1,646.61	10	1,287.28	10	928.33	10	569.11	10	209.78	10		10		10	
1/4	2,357.79	1/4	1,998.46	1/4	1,639.13	1/4	1,279.79	1/4	920.86	1/4	561.62	1/4	202.29	1/4		1/4		1/4	
1/2	2,350.31	1/2	1,990.97	1/2	1,631.64	1/2	1,272.31	1/2	913.39	1/2	554.14	1/2	194.81	1/2		1/2		1/2	
3/4	2,342.82	3/4	1,983.49	3/4	1,624.16	3/4	1,264.82	3/4	905.92	3/4	546.65	3/4	187.32	3/4		3/4		3/4	
11	2,335.34	11	1,976.00	11	1,616.67	11	1,257.34	11	898.44	11	539.17	11	179.83	11		11		11	
1/4	2,327.85	1/4	1,968.52	1/4	1,609.18	1/4	1,249.85	1/4	890.97	1/4	531.68	1/4	172.35	1/4		1/4		1/4	
1/2	2,320.36	1/2	1,961.03	1/2	1,601.70	1/2	1,242.36	1/2	883.50	1/2	524.19	1/2	164.86	1/2		1/2		1/2	
3/4	2,312.88	3/4	1,953.54	3/4	1,594.21	3/4	1,234.88	3/4	876.02	3/4	516.71	3/4	157.38	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/21/2018 CL
CALCULATED: 01/08/2019 CL
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ALL PRIOR TO 01/2019

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BARGE "E2MS 312"

3 PORT

ULLAGE TABLE

10" HATCH

GAUGE HEIGHT 17'-06 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,643.39	0	2,286.37	0	1,929.70	0	1,572.93	0	1,215.74	0	870.19	0	514.43	0	156.78	0		0	
1/4	2,635.96	1/4	2,278.93	1/4	1,922.28	1/4	1,565.48	1/4	1,208.30	1/4	863.03	1/4	506.98	1/4	149.33	1/4		1/4	
1/2	2,628.52	1/2	2,271.49	1/2	1,914.85	1/2	1,558.04	1/2	1,200.86	1/2	855.87	1/2	499.53	1/2	141.87	1/2		1/2	
3/4	2,621.09	3/4	2,264.05	3/4	1,907.43	3/4	1,550.60	3/4	1,193.42	3/4	848.71	3/4	492.09	3/4	134.41	3/4		3/4	
1	2,613.65	1	2,256.61	1	1,900.00	1	1,543.16	1	1,186.08	1	841.43	1	484.64	1	126.96	1		1	
1/4	2,606.22	1/4	2,249.17	1/4	1,892.58	1/4	1,535.72	1/4	1,178.74	1/4	834.15	1/4	477.20	1/4	119.51	1/4		1/4	
1/2	2,598.78	1/2	2,241.73	1/2	1,885.15	1/2	1,528.28	1/2	1,171.41	1/2	826.88	1/2	469.75	1/2	112.06	1/2		1/2	
3/4	2,591.35	3/4	2,234.30	3/4	1,877.73	3/4	1,520.84	3/4	1,164.07	3/4	819.60	3/4	462.30	3/4	104.60	3/4		3/4	
2	2,583.92	2	2,226.86	2	1,870.30	2	1,513.39	2	1,156.84	2	812.18	2	454.86	2	97.17	2		2	
1/4	2,576.48	1/4	2,219.42	1/4	1,862.88	1/4	1,505.95	1/4	1,149.61	1/4	804.77	1/4	447.41	1/4	89.74	1/4		1/4	
1/2	2,569.05	1/2	2,211.98	1/2	1,855.45	1/2	1,498.51	1/2	1,142.39	1/2	797.35	1/2	439.96	1/2	82.30	1/2		1/2	
3/4	2,561.61	3/4	2,204.55	3/4	1,848.03	3/4	1,491.07	3/4	1,135.16	3/4	789.94	3/4	432.52	3/4	74.87	3/4		3/4	
3	2,554.18	3	2,197.11	3	1,840.60	3	1,483.63	3	1,127.94	3	782.49	3	425.07	3	67.89	3		3	
1/4	2,546.74	1/4	2,189.67	1/4	1,833.18	1/4	1,476.19	1/4	1,120.72	1/4	775.05	1/4	417.63	1/4	60.92	1/4		1/4	
1/2	2,539.31	1/2	2,182.23	1/2	1,825.75	1/2	1,468.75	1/2	1,113.50	1/2	767.60	1/2	410.18	1/2	53.95	1/2		1/2	
3/4	2,531.87	3/4	2,174.79	3/4	1,818.33	3/4	1,461.31	3/4	1,106.28	3/4	760.15	3/4	402.73	3/4	46.97	3/4		3/4	
4	2,524.44	4	2,167.36	4	1,810.90	4	1,453.86	4	1,099.09	4	752.71	4	395.29	4	41.38	4		4	
1/4	2,517.01	1/4	2,159.92	1/4	1,803.48	1/4	1,446.42	1/4	1,091.91	1/4	745.26	1/4	387.84	1/4	35.79	1/4		1/4	
1/2	2,509.57	1/2	2,152.48	1/2	1,796.05	1/2	1,438.98	1/2	1,084.72	1/2	737.82	1/2	380.39	1/2	30.20	1/2		1/2	
3/4	2,502.14	3/4	2,145.04	3/4	1,788.63	3/4	1,431.54	3/4	1,077.54	3/4	730.37	3/4	372.95	3/4	24.60	3/4		3/4	
5	2,494.70	5	2,137.60	5	1,781.20	5	1,424.10	5	1,070.39	5	722.92	5	365.50	5	20.87	5		5	
1/4	2,487.27	1/4	2,130.17	1/4	1,773.78	1/4	1,416.66	1/4	1,063.24	1/4	715.48	1/4	358.05	1/4	17.15	1/4		1/4	
1/2	2,479.83	1/2	2,122.73	1/2	1,766.35	1/2	1,409.22	1/2	1,056.09	1/2	708.03	1/2	350.61	1/2	13.42	1/2		1/2	
3/4	2,472.40	3/4	2,115.29	3/4	1,758.93	3/4	1,401.78	3/4	1,048.94	3/4	700.58	3/4	343.16	3/4	9.69	3/4		3/4	
6	2,464.97	6	2,107.86	6	1,751.49	6	1,394.33	6	1,041.79	6	693.14	6	335.72	6	7.82	6		6	
1/4	2,457.53	1/4	2,100.43	1/4	1,744.06	1/4	1,386.89	1/4	1,034.64	1/4	685.69	1/4	328.27	1/4	5.96	1/4		1/4	
1/2	2,450.10	1/2	2,093.01	1/2	1,736.63	1/2	1,379.45	1/2	1,027.49	1/2	678.25	1/2	320.82	1/2	4.10	1/2		1/2	
3/4	2,442.66	3/4	2,085.58	3/4	1,729.19	3/4	1,372.01	3/4	1,020.34	3/4	670.80	3/4	313.38	3/4	2.23	3/4		3/4	
7	2,435.22	7	2,078.16	7	1,721.75	7	1,364.57	7	1,013.19	7	663.35	7	305.92	7		7		7	
1/4	2,427.78	1/4	2,070.74	1/4	1,714.31	1/4	1,357.13	1/4	1,006.04	1/4	655.91	1/4	298.47	1/4		1/4		1/4	
1/2	2,420.35	1/2	2,063.33	1/2	1,706.87	1/2	1,349.69	1/2	998.89	1/2	648.46	1/2	291.02	1/2		1/2		1/2	
3/4	2,412.91	3/4	2,055.91	3/4	1,699.43	3/4	1,342.24	3/4	991.74	3/4	641.01	3/4	283.57	3/4		3/4		3/4	
8	2,405.46	8	2,048.49	8	1,691.99	8	1,334.80	8	984.60	8	633.57	8	276.11	8		8		8	
1/4	2,398.02	1/4	2,041.07	1/4	1,684.54	1/4	1,327.36	1/4	977.45	1/4	626.12	1/4	268.65	1/4		1/4		1/4	
1/2	2,390.58	1/2	2,033.64	1/2	1,677.10	1/2	1,319.92	1/2	970.30	1/2	618.68	1/2	261.19	1/2		1/2		1/2	
3/4	2,383.13	3/4	2,026.22	3/4	1,669.66	3/4	1,312.48	3/4	963.15	3/4	611.23	3/4	253.74	3/4		3/4		3/4	
9	2,375.69	9	2,018.80	9	1,662.22	9	1,305.04	9	956.00	9	603.78	9	246.28	9		9		9	
1/4	2,368.25	1/4	2,011.37	1/4	1,654.78	1/4	1,297.60	1/4	948.85	1/4	596.34	1/4	238.82	1/4		1/4		1/4	
1/2	2,360.80	1/2	2,003.95	1/2	1,647.34	1/2	1,290.16	1/2	941.70	1/2	588.89	1/2	231.36	1/2		1/2		1/2	
3/4	2,353.36	3/4	1,996.52	3/4	1,639.90	3/4	1,282.71	3/4	934.55	3/4	581.44	3/4	223.90	3/4		3/4		3/4	
10	2,345.91	10	1,989.10	10	1,632.46	10	1,275.27	10	927.40	10	574.00	10	216.45	10		10		10	
1/4	2,338.47	1/4	1,981.67	1/4	1,625.01	1/4	1,267.83	1/4	920.25	1/4	566.55	1/4	208.99	1/4		1/4		1/4	
1/2	2,331.03	1/2	1,974.25	1/2	1,617.57	1/2	1,260.39	1/2	913.10	1/2	559.10	1/2	201.53	1/2		1/2		1/2	
3/4	2,323.58	3/4	1,966.82	3/4	1,610.13	3/4	1,252.95	3/4	905.95	3/4	551.66	3/4	194.07	3/4		3/4		3/4	
11	2,316.14	11	1,959.40	11	1,602.69	11	1,245.51	11	898.80	11	544.21	11	186.62	11		11		11	
1/4	2,308.70	1/4	1,951.97	1/4	1,595.25	1/4	1,238.07	1/4	891.65	1/4	536.77	1/4	179.16	1/4		1/4		1/4	
1/2	2,301.25	1/2	1,944.55	1/2	1,587.81	1/2	1,230.63	1/2	884.50	1/2	529.32	1/2	171.70	1/2		1/2		1/2	
3/4	2,293.81	3/4	1,937.12	3/4	1,580.37	3/4	1,223.18	3/4	877.35	3/4	521.87	3/4	164.24	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/21/2018 CL
CALCULATED: 01/08/2019 CL
PRINTED: 01/08/2019 CL

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CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2019



BARGE "E2MS 312"

3 STBD ULLAGE TABLE

10" HATCH GAUGE HEIGHT 17'-06 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	4,484.56	0	4,299.45	0	4,080.70	0	3,861.95	0	3,642.65	0	3,369.80	0	3,013.59
1/4		1/4		1/4		1/4	4,483.28	1/4	4,294.89	1/4	4,076.14	1/4	3,857.39	1/4	3,638.08	1/4	3,362.39	1/4	3,006.16
1/2		1/2		1/2		1/2	4,482.01	1/2	4,290.33	1/2	4,071.58	1/2	3,852.83	1/2	3,633.51	1/2	3,354.99	1/2	2,998.73
3/4		3/4		3/4		3/4	4,480.73	3/4	4,285.78	3/4	4,067.03	3/4	3,848.27	3/4	3,628.94	3/4	3,347.59	3/4	2,991.29
1	1	1	1	1	1	1	4,478.70	1	4,281.22	1	4,062.47	1	3,843.71	1	3,624.37	1	3,340.18	1	2,983.86
1/4		1/4		1/4		1/4	4,476.66	1/4	4,276.66	1/4	4,057.91	1/4	3,839.15	1/4	3,619.80	1/4	3,332.78	1/4	2,976.43
1/2		1/2		1/2		1/2	4,474.62	1/2	4,272.10	1/2	4,053.35	1/2	3,834.59	1/2	3,615.23	1/2	3,325.37	1/2	2,968.99
3/4		3/4		3/4		3/4	4,472.58	3/4	4,267.55	3/4	4,048.80	3/4	3,830.02	3/4	3,610.66	3/4	3,317.96	3/4	2,961.56
2	2	2	2	2	2	2	4,469.79	2	4,262.99	2	4,044.24	2	3,825.45	2	3,606.09	2	3,310.56	2	2,954.12
1/4		1/4		1/4		1/4	4,466.99	1/4	4,258.43	1/4	4,039.68	1/4	3,820.88	1/4	3,601.52	1/4	3,303.15	1/4	2,946.69
1/2		1/2		1/2		1/2	4,464.19	1/2	4,253.87	1/2	4,035.12	1/2	3,816.31	1/2	3,596.95	1/2	3,295.75	1/2	2,939.26
3/4		3/4		3/4		3/4	4,461.39	3/4	4,249.32	3/4	4,030.57	3/4	3,811.74	3/4	3,592.38	3/4	3,288.34	3/4	2,931.82
3	3	3	3	3	3	3	4,457.83	3	4,244.76	3	4,026.01	3	3,807.17	3	3,587.81	3	3,280.94	3	2,924.39
1/4		1/4		1/4		1/4	4,454.27	1/4	4,240.20	1/4	4,021.45	1/4	3,802.60	1/4	3,583.24	1/4	3,273.53	1/4	2,916.96
1/2		1/2		1/2		1/2	4,450.70	1/2	4,235.65	1/2	4,016.89	1/2	3,798.03	1/2	3,578.67	1/2	3,266.13	1/2	2,909.52
3/4		3/4		3/4		3/4	4,447.14	3/4	4,231.09	3/4	4,012.34	3/4	3,793.46	3/4	3,574.10	3/4	3,258.72	3/4	2,902.09
4	4	4	4	4	4	4	4,442.94	4	4,226.53	4	4,007.78	4	3,788.89	4	3,569.41	4	3,251.32	4	2,894.66
1/4		1/4		1/4		1/4	4,438.73	1/4	4,221.97	1/4	4,003.22	1/4	3,784.32	1/4	3,564.73	1/4	3,243.91	1/4	2,887.22
1/2		1/2		1/2		1/2	4,434.53	1/2	4,217.42	1/2	3,998.67	1/2	3,779.75	1/2	3,560.04	1/2	3,236.51	1/2	2,879.79
3/4		3/4		3/4		3/4	4,430.32	3/4	4,212.86	3/4	3,994.11	3/4	3,775.18	3/4	3,555.35	3/4	3,229.10	3/4	2,872.36
5	5	5	5	5	5	5	4,425.83	5	4,208.30	5	3,989.55	5	3,770.61	5	3,550.32	5	3,221.69	5	2,864.92
1/4		1/4		1/4		1/4	4,421.35	1/4	4,203.74	1/4	3,984.99	1/4	3,766.04	1/4	3,545.29	1/4	3,214.27	1/4	2,857.49
1/2		1/2		1/2		1/2	4,416.86	1/2	4,199.19	1/2	3,980.44	1/2	3,761.47	1/2	3,540.26	1/2	3,206.85	1/2	2,850.06
3/4		3/4		3/4		3/4	4,412.37	3/4	4,194.63	3/4	3,975.88	3/4	3,756.90	3/4	3,535.23	3/4	3,199.43	3/4	2,842.62
6	6	6	6	6	6	6	4,407.86	6	4,190.07	6	3,971.32	6	3,752.33	6	3,529.74	6	3,192.00	6	2,835.19
1/4		1/4		1/4		1/4	4,403.35	1/4	4,185.52	1/4	3,966.76	1/4	3,747.76	1/4	3,524.25	1/4	3,184.56	1/4	2,827.76
1/2		1/2		1/2		1/2	4,398.85	1/2	4,180.96	1/2	3,962.21	1/2	3,743.19	1/2	3,518.76	1/2	3,177.13	1/2	2,820.32
3/4		3/4		3/4		3/4	4,394.34	3/4	4,176.40	3/4	3,957.65	3/4	3,738.62	3/4	3,513.27	3/4	3,169.70	3/4	2,812.89
7	7	7	7	7	7	7	4,389.83	7	4,171.84	7	3,953.09	7	3,734.05	7	3,507.30	7	3,162.26	7	2,805.45
1/4		1/4		1/4		1/4	4,385.31	1/4	4,167.29	1/4	3,948.54	1/4	3,729.48	1/4	3,501.33	1/4	3,154.83	1/4	2,798.02
1/2		1/2		1/2		1/2	4,380.80	1/2	4,162.73	1/2	3,943.98	1/2	3,724.91	1/2	3,495.36	1/2	3,147.40	1/2	2,790.59
3/4		3/4		3/4		3/4	4,376.29	3/4	4,158.17	3/4	3,939.42	3/4	3,720.34	3/4	3,489.39	3/4	3,139.96	3/4	2,783.15
8	8	8	8	8	8	8	4,371.77	8	4,153.61	8	3,934.86	8	3,715.77	8	3,482.94	8	3,132.53	8	2,775.72
1/4		1/4		1/4		1/4	4,367.26	1/4	4,149.06	1/4	3,930.31	1/4	3,711.20	1/4	3,476.50	1/4	3,125.10	1/4	2,768.29
1/2		1/2		1/2		1/2	4,362.75	1/2	4,144.50	1/2	3,925.75	1/2	3,706.63	1/2	3,470.05	1/2	3,117.66	1/2	2,760.85
3/4		3/4		3/4		3/4	4,358.24	3/4	4,139.94	3/4	3,921.19	3/4	3,702.06	3/4	3,463.60	3/4	3,110.23	3/4	2,753.42
9	9	9	9	9	9	9	4,353.72	9	4,135.38	9	3,916.63	9	3,697.49	9	3,456.67	9	3,102.79	9	2,745.99
1/4		1/4		1/4		1/4	4,349.21	1/4	4,130.83	1/4	3,912.08	1/4	3,692.92	1/4	3,449.75	1/4	3,095.36	1/4	2,738.55
1/2		1/2		1/2		1/2	4,344.70	1/2	4,126.27	1/2	3,907.52	1/2	3,688.35	1/2	3,442.82	1/2	3,087.93	1/2	2,731.12
3/4		3/4		3/4		3/4	4,340.19	3/4	4,121.71	3/4	3,902.96	3/4	3,683.78	3/4	3,435.90	3/4	3,080.49	3/4	2,723.69
10	10	10	10	10	10	10	4,335.68	10	4,117.16	10	3,898.41	10	3,679.21	10	3,428.62	10	3,073.06	10	2,716.25
1/4		1/4		1/4		1/4	4,331.16	1/4	4,112.60	1/4	3,893.85	1/4	3,674.64	1/4	3,421.34	1/4	3,065.63	1/4	2,708.82
1/2		1/2		1/2		1/2	4,326.65	1/2	4,108.04	1/2	3,889.29	1/2	3,670.07	1/2	3,414.06	1/2	3,058.19	1/2	2,701.39
3/4		3/4		3/4		3/4	4,322.14	3/4	4,103.48	3/4	3,884.73	3/4	3,665.50	3/4	3,406.78	3/4	3,050.74	3/4	2,693.95
11	11	11	11	11	11	11	4,317.61	11	4,098.93	11	3,880.18	11	3,660.93	11	3,399.39	11	3,043.33	11	2,686.52
1/4		1/4		1/4		1/4	4,313.07	1/4	4,094.37	1/4	3,875.62	1/4	3,656.36	1/4	3,391.99	1/4	3,035.89	1/4	2,679.09
1/2		1/2		1/2		1/2	4,308.54	1/2	4,089.81	1/2	3,871.06	1/2	3,651.79	1/2	3,384.59	1/2	3,028.46	1/2	2,671.65
3/4		3/4		3/4		3/4	4,485.84	3/4	4,304.00	3/4	4,085.25	3/4	3,866.50	3/4	3,647.22	3/4	3,377.20	3/4	3,021.03

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 10" HATCH ON EXPANSION DOME
 GAUGE POINT: (10" HATCH) LOCATED 3'-00" OFF CENTERLINE AND 82'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "E2MS 312"

3 STBD

ULLAGE TABLE

10" HATCH

GAUGE HEIGHT 17'-06 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,656.78	0	2,299.76	0	1,942.46	0	1,585.16	0	1,227.85	0	871.04	0	513.77	0	156.48	0		0	
1/4	2,649.35	1/4	2,292.32	1/4	1,935.01	1/4	1,577.71	1/4	1,220.41	1/4	863.60	1/4	506.32	1/4	149.04	1/4		1/4	
1/2	2,641.92	1/2	2,284.87	1/2	1,927.57	1/2	1,570.27	1/2	1,212.97	1/2	856.16	1/2	498.88	1/2	141.60	1/2		1/2	
3/4	2,634.48	3/4	2,277.43	3/4	1,920.13	3/4	1,562.82	3/4	1,205.52	3/4	848.73	3/4	491.44	3/4	134.15	3/4		3/4	
1	2,627.05	1	2,269.98	1	1,912.68	1	1,555.38	1	1,198.08	1	841.28	1	483.99	1	126.71	1		1	
1/4	2,619.61	1/4	2,262.54	1/4	1,905.24	1/4	1,547.94	1/4	1,190.63	1/4	833.84	1/4	476.55	1/4	119.28	1/4		1/4	
1/2	2,612.18	1/2	2,255.10	1/2	1,897.79	1/2	1,540.49	1/2	1,183.19	1/2	826.40	1/2	469.11	1/2	111.84	1/2		1/2	
3/4	2,604.74	3/4	2,247.65	3/4	1,890.35	3/4	1,533.05	3/4	1,175.75	3/4	818.95	3/4	461.66	3/4	104.40	3/4		3/4	
2	2,597.31	2	2,240.21	2	1,882.91	2	1,525.60	2	1,168.31	2	811.51	2	454.22	2	96.98	2		2	
1/4	2,589.87	1/4	2,232.77	1/4	1,875.46	1/4	1,518.16	1/4	1,160.86	1/4	804.06	1/4	446.78	1/4	89.56	1/4		1/4	
1/2	2,582.44	1/2	2,225.32	1/2	1,868.02	1/2	1,510.72	1/2	1,153.42	1/2	796.62	1/2	439.33	1/2	82.14	1/2		1/2	
3/4	2,575.01	3/4	2,217.88	3/4	1,860.58	3/4	1,503.27	3/4	1,145.98	3/4	789.18	3/4	431.89	3/4	74.72	3/4		3/4	
3	2,567.57	3	2,210.43	3	1,853.13	3	1,495.83	3	1,138.54	3	781.73	3	424.45	3	67.76	3		3	
1/4	2,560.14	1/4	2,202.99	1/4	1,845.69	1/4	1,488.39	1/4	1,131.11	1/4	774.29	1/4	417.00	1/4	60.80	1/4		1/4	
1/2	2,552.70	1/2	2,195.55	1/2	1,838.24	1/2	1,480.94	1/2	1,123.67	1/2	766.85	1/2	409.56	1/2	53.84	1/2		1/2	
3/4	2,545.27	3/4	2,188.10	3/4	1,830.80	3/4	1,473.50	3/4	1,116.23	3/4	759.40	3/4	402.12	3/4	46.88	3/4		3/4	
4	2,537.83	4	2,180.66	4	1,823.36	4	1,466.05	4	1,108.80	4	751.96	4	394.67	4	41.30	4		4	
1/4	2,530.40	1/4	2,173.22	1/4	1,815.91	1/4	1,458.61	1/4	1,101.36	1/4	744.52	1/4	387.23	1/4	35.72	1/4		1/4	
1/2	2,522.96	1/2	2,165.77	1/2	1,808.47	1/2	1,451.17	1/2	1,093.93	1/2	737.07	1/2	379.79	1/2	30.14	1/2		1/2	
3/4	2,515.53	3/4	2,158.33	3/4	1,801.03	3/4	1,443.72	3/4	1,086.50	3/4	729.63	3/4	372.34	3/4	24.56	3/4		3/4	
5	2,508.09	5	2,150.88	5	1,793.58	5	1,436.28	5	1,079.07	5	722.19	5	364.90	5	20.83	5		5	
1/4	2,500.66	1/4	2,143.44	1/4	1,786.14	1/4	1,428.84	1/4	1,071.64	1/4	714.74	1/4	357.45	1/4	17.11	1/4		1/4	
1/2	2,493.22	1/2	2,136.00	1/2	1,778.69	1/2	1,421.39	1/2	1,064.21	1/2	707.30	1/2	350.01	1/2	13.39	1/2		1/2	
3/4	2,485.79	3/4	2,128.55	3/4	1,771.25	3/4	1,413.95	3/4	1,056.78	3/4	699.86	3/4	342.57	3/4	9.67	3/4		3/4	
6	2,478.35	6	2,121.11	6	1,763.81	6	1,406.50	6	1,049.35	6	692.41	6	335.12	6	7.81	6		6	
1/4	2,470.92	1/4	2,113.66	1/4	1,756.36	1/4	1,399.06	1/4	1,041.92	1/4	684.97	1/4	327.68	1/4	5.95	1/4		1/4	
1/2	2,463.48	1/2	2,106.22	1/2	1,748.92	1/2	1,391.62	1/2	1,034.49	1/2	677.53	1/2	320.24	1/2	4.09	1/2		1/2	
3/4	2,456.05	3/4	2,098.78	3/4	1,741.47	3/4	1,384.17	3/4	1,027.06	3/4	670.08	3/4	312.79	3/4	2.23	3/4		3/4	
7	2,448.61	7	2,091.33	7	1,734.03	7	1,376.73	7	1,019.63	7	662.64	7	305.35	7		7		7	
1/4	2,441.18	1/4	2,083.89	1/4	1,726.59	1/4	1,369.28	1/4	1,012.20	1/4	655.19	1/4	297.91	1/4		1/4		1/4	
1/2	2,433.74	1/2	2,076.45	1/2	1,719.14	1/2	1,361.84	1/2	1,004.77	1/2	647.75	1/2	290.46	1/2		1/2		1/2	
3/4	2,426.30	3/4	2,069.00	3/4	1,711.70	3/4	1,354.40	3/4	997.34	3/4	640.31	3/4	283.02	3/4		3/4		3/4	
8	2,418.86	8	2,061.56	8	1,704.26	8	1,346.95	8	989.91	8	632.86	8	275.58	8		8		8	
1/4	2,411.42	1/4	2,054.11	1/4	1,696.81	1/4	1,339.51	1/4	982.48	1/4	625.42	1/4	268.13	1/4		1/4		1/4	
1/2	2,403.97	1/2	2,046.67	1/2	1,689.37	1/2	1,332.07	1/2	975.05	1/2	617.98	1/2	260.69	1/2		1/2		1/2	
3/4	2,396.53	3/4	2,039.23	3/4	1,681.92	3/4	1,324.62	3/4	967.63	3/4	610.53	3/4	253.25	3/4		3/4		3/4	
9	2,389.09	9	2,031.78	9	1,674.48	9	1,317.18	9	960.20	9	603.09	9	245.80	9		9		9	
1/4	2,381.64	1/4	2,024.34	1/4	1,667.04	1/4	1,309.73	1/4	952.77	1/4	595.65	1/4	238.36	1/4		1/4		1/4	
1/2	2,374.20	1/2	2,016.90	1/2	1,659.59	1/2	1,302.29	1/2	945.34	1/2	588.20	1/2	230.92	1/2		1/2		1/2	
3/4	2,366.75	3/4	2,009.45	3/4	1,652.15	3/4	1,294.85	3/4	937.91	3/4	580.76	3/4	223.47	3/4		3/4		3/4	
10	2,359.31	10	2,002.01	10	1,644.71	10	1,287.40	10	930.48	10	573.32	10	216.03	10		10		10	
1/4	2,351.87	1/4	1,994.56	1/4	1,637.26	1/4	1,279.96	1/4	923.05	1/4	565.87	1/4	208.58	1/4		1/4		1/4	
1/2	2,344.42	1/2	1,987.12	1/2	1,629.82	1/2	1,272.52	1/2	915.62	1/2	558.43	1/2	201.14	1/2		1/2		1/2	
3/4	2,336.98	3/4	1,979.68	3/4	1,622.37	3/4	1,265.07	3/4	908.19	3/4	550.99	3/4	193.70	3/4		3/4		3/4	
11	2,329.54	11	1,972.23	11	1,614.93	11	1,257.63	11	900.76	11	543.54	11	186.25	11		11		11	
1/4	2,322.09	1/4	1,964.79	1/4	1,607.49	1/4	1,250.18	1/4	893.33	1/4	536.10	1/4	178.81	1/4		1/4		1/4	
1/2	2,314.65	1/2	1,957.35	1/2	1,600.04	1/2	1,242.74	1/2	885.90	1/2	528.66	1/2	171.37	1/2		1/2		1/2	
3/4	2,307.20	3/4	1,949.90	3/4	1,592.60	3/4	1,235.30	3/4	878.47	3/4	521.21	3/4	163.92	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/21/2018 CL
 CALCULATED: 01/08/2019 CL
 PRINTED: 01/08/2019 CL

CANCELS AND SUPERCEDES
 ALL PRIOR TO 01/2019

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



BARGE "E2MS 312"

ULLAGE (HERMETIC)

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

(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"

January 7, 2019

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "E2MS 312"

1 PORT ULLAGE TABLE

HERMETIC GAUGE HEIGHT 15'-09"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	4,852.12	0	4,496.21	0	4,139.41	0	3,782.00	0	3,424.15	0	3,066.30	0	2,708.45	0	2,350.53
1/4		1/4		1/4	4,844.76	1/4	4,488.77	1/4	4,131.97	1/4	3,774.54	1/4	3,416.69	1/4	3,058.84	1/4	2,700.99	1/4	2,343.08
1/2		1/2		1/2	4,837.40	1/2	4,481.34	1/2	4,124.54	1/2	3,767.09	1/2	3,409.24	1/2	3,051.39	1/2	2,693.54	1/2	2,335.62
3/4		3/4		3/4	4,830.04	3/4	4,473.91	3/4	4,117.11	3/4	3,759.63	3/4	3,401.78	3/4	3,043.93	3/4	2,686.08	3/4	2,328.16
1	1	1	1	1	4,822.68	1	4,466.47	1	4,109.67	1	3,752.18	1	3,394.33	1	3,036.48	1	2,678.63	1	2,320.70
1/4		1/4		1/4	4,815.32	1/4	4,459.04	1/4	4,102.24	1/4	3,744.72	1/4	3,386.87	1/4	3,029.02	1/4	2,671.17	1/4	2,313.25
1/2		1/2		1/2	4,807.96	1/2	4,451.61	1/2	4,094.81	1/2	3,737.26	1/2	3,379.42	1/2	3,021.57	1/2	2,663.72	1/2	2,305.79
3/4		3/4		3/4	4,800.60	3/4	4,444.17	3/4	4,087.37	3/4	3,729.81	3/4	3,371.96	3/4	3,014.11	3/4	2,656.26	3/4	2,298.33
2	2	2	2	2	4,793.24	2	4,436.74	2	4,079.94	2	3,722.35	2	3,364.50	2	3,006.66	2	2,648.81	2	2,290.88
1/4		1/4		1/4	4,785.88	1/4	4,429.31	1/4	4,072.51	1/4	3,714.90	1/4	3,357.05	1/4	2,999.20	1/4	2,641.35	1/4	2,283.42
1/2		1/2		1/2	4,778.52	1/2	4,421.87	1/2	4,065.07	1/2	3,707.44	1/2	3,349.59	1/2	2,991.74	1/2	2,633.90	1/2	2,275.96
3/4		3/4		3/4	4,771.16	3/4	4,414.44	3/4	4,057.64	3/4	3,699.99	3/4	3,342.14	3/4	2,984.29	3/4	2,626.44	3/4	2,268.50
3	3	3	3	3	4,763.80	3	4,407.01	3	4,050.21	3	3,692.53	3	3,334.68	3	2,976.83	3	2,618.98	3	2,261.05
1/4		1/4		1/4	4,756.37	1/4	4,399.57	1/4	4,042.77	1/4	3,685.08	1/4	3,327.23	1/4	2,969.38	1/4	2,611.53	1/4	2,253.59
1/2		1/2		1/2	4,748.94	1/2	4,392.14	1/2	4,035.34	1/2	3,677.62	1/2	3,319.77	1/2	2,961.92	1/2	2,604.07	1/2	2,246.13
3/4		3/4		3/4	4,741.50	3/4	4,384.71	3/4	4,027.91	3/4	3,670.17	3/4	3,312.32	3/4	2,954.47	3/4	2,596.62	3/4	2,238.68
4	4	4	4	4	4,734.07	4	4,377.27	4	4,020.47	4	3,662.71	4	3,304.86	4	2,947.01	4	2,589.16	4	2,231.22
1/4		1/4		1/4	4,726.64	1/4	4,369.84	1/4	4,013.04	1/4	3,655.26	1/4	3,297.41	1/4	2,939.56	1/4	2,581.71	1/4	2,223.76
1/2		1/2		1/2	4,719.20	1/2	4,362.41	1/2	4,005.61	1/2	3,647.80	1/2	3,289.95	1/2	2,932.10	1/2	2,574.25	1/2	2,216.30
3/4		3/4		3/4	4,711.77	3/4	4,354.97	3/4	3,998.17	3/4	3,640.35	3/4	3,282.50	3/4	2,924.65	3/4	2,566.79	3/4	2,208.85
5	5	5	5	5	4,704.34	5	4,347.54	5	3,990.74	5	3,632.89	5	3,275.04	5	2,917.19	5	2,559.34	5	2,201.39
1/4		1/4		1/4	4,696.91	1/4	4,340.11	1/4	3,983.29	1/4	3,625.44	1/4	3,267.59	1/4	2,909.74	1/4	2,551.88	1/4	2,193.93
1/2		1/2		1/2	4,689.47	1/2	4,332.67	1/2	3,975.83	1/2	3,617.98	1/2	3,260.13	1/2	2,902.28	1/2	2,544.42	1/2	2,186.48
3/4		3/4		3/4	4,682.04	3/4	4,325.24	3/4	3,968.38	3/4	3,610.53	3/4	3,252.68	3/4	2,894.83	3/4	2,536.96	3/4	2,179.02
6	6	5,016.02	6	4,674.61	6	4,317.81	6	3,960.92	6	3,603.07	6	3,245.22	6	2,887.37	6	2,529.51	6	2,171.56	
1/4		1/4	5,010.83	1/4	4,667.17	1/4	4,310.37	1/4	3,953.47	1/4	3,595.62	1/4	3,237.77	1/4	2,879.92	1/4	2,522.05	1/4	2,164.10
1/2		1/2	5,005.65	1/2	4,659.74	1/2	4,302.94	1/2	3,946.01	1/2	3,588.16	1/2	3,230.31	1/2	2,872.46	1/2	2,514.59	1/2	2,156.65
3/4		3/4	5,000.46	3/4	4,652.31	3/4	4,295.51	3/4	3,938.56	3/4	3,580.71	3/4	3,222.86	3/4	2,865.01	3/4	2,507.13	3/4	2,149.19
7	7	4,995.27	7	4,644.87	7	4,288.07	7	3,931.10	7	3,573.25	7	3,215.40	7	2,857.55	7	2,499.68	7	2,141.73	
1/4		1/4	4,988.85	1/4	4,637.44	1/4	4,280.64	1/4	3,923.64	1/4	3,565.80	1/4	3,207.95	1/4	2,850.10	1/4	2,492.22	1/4	2,134.27
1/2		1/2	4,982.42	1/2	4,630.01	1/2	4,273.21	1/2	3,916.19	1/2	3,558.34	1/2	3,200.49	1/2	2,842.64	1/2	2,484.76	1/2	2,126.82
3/4		3/4	4,975.99	3/4	4,622.57	3/4	4,265.77	3/4	3,908.73	3/4	3,550.88	3/4	3,193.04	3/4	2,835.19	3/4	2,477.31	3/4	2,119.36
8	8	4,969.56	8	4,615.14	8	4,258.34	8	3,901.28	8	3,543.43	8	3,185.58	8	2,827.73	8	2,469.85	8	2,111.90	
1/4		1/4	4,962.27	1/4	4,607.71	1/4	4,250.91	1/4	3,893.82	1/4	3,535.97	1/4	3,178.12	1/4	2,820.28	1/4	2,462.39	1/4	2,104.45
1/2		1/2	4,954.97	1/2	4,600.27	1/2	4,243.47	1/2	3,886.37	1/2	3,528.52	1/2	3,170.67	1/2	2,812.82	1/2	2,454.93	1/2	2,096.99
3/4		3/4	4,947.68	3/4	4,592.84	3/4	4,236.04	3/4	3,878.91	3/4	3,521.06	3/4	3,163.21	3/4	2,805.36	3/4	2,447.48	3/4	2,089.53
9	9	4,940.39	9	4,585.41	9	4,228.61	9	3,871.46	9	3,513.61	9	3,155.76	9	2,797.91	9	2,440.02	9	2,082.07	
1/4		1/4	4,933.04	1/4	4,577.97	1/4	4,221.17	1/4	3,864.00	1/4	3,506.15	1/4	3,148.30	1/4	2,790.45	1/4	2,432.56	1/4	2,074.62
1/2		1/2	4,925.70	1/2	4,570.54	1/2	4,213.74	1/2	3,856.55	1/2	3,498.70	1/2	3,140.85	1/2	2,783.00	1/2	2,425.11	1/2	2,067.16
3/4		3/4	4,918.35	3/4	4,563.11	3/4	4,206.31	3/4	3,849.09	3/4	3,491.24	3/4	3,133.39	3/4	2,775.54	3/4	2,417.65	3/4	2,059.70
10	10	4,911.00	10	4,555.67	10	4,198.87	10	3,841.64	10	3,483.79	10	3,125.94	10	2,768.09	10	2,410.19	10	2,052.25	
1/4		1/4	4,903.64	1/4	4,548.24	1/4	4,191.44	1/4	3,834.18	1/4	3,476.33	1/4	3,118.48	1/4	2,760.63	1/4	2,402.73	1/4	2,044.79
1/2		1/2	4,896.29	1/2	4,540.81	1/2	4,184.01	1/2	3,826.73	1/2	3,468.88	1/2	3,111.03	1/2	2,753.18	1/2	2,395.28	1/2	2,037.33
3/4		3/4	4,888.93	3/4	4,533.37	3/4	4,176.57	3/4	3,819.27	3/4	3,461.42	3/4	3,103.57	3/4	2,745.72	3/4	2,387.82	3/4	2,029.87
11	11	4,881.57	11	4,525.94	11	4,169.14	11	3,811.82	11	3,453.97	11	3,096.12	11	2,738.27	11	2,380.36	11	2,022.42	
1/4		1/4	4,874.21	1/4	4,518.51	1/4	4,161.71	1/4	3,804.36	1/4	3,446.51	1/4	3,088.66	1/4	2,730.81	1/4	2,372.91	1/4	2,014.96
1/2		1/2	4,866.85	1/2	4,511.07	1/2	4,154.27	1/2	3,796.91	1/2	3,439.06	1/2	3,081.21	1/2	2,723.36	1/2	2,365.45	1/2	2,007.50
3/4		3/4	4,859.49	3/4	4,503.64	3/4	4,146.84	3/4	3,789.45	3/4	3,431.60	3/4	3,073.75	3/4	2,715.90	3/4	2,357.99	3/4	2,000.05

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 "E2MS 312"

1 PORT

ULLAGE TABLE
HERMETIC

GAUGE HEIGHT 15'-09"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	1,992.59	0	1,634.64	0	1,276.70	0	920.15	0	563.37	0	222.95	0		0		0		0	
1/4	1,985.13	1/4	1,627.19	1/4	1,269.24	1/4	912.75	1/4	555.92	1/4	216.41	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,977.67	1/2	1,619.73	1/2	1,261.78	1/2	905.35	1/2	548.47	1/2	209.87	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,970.22	3/4	1,612.27	3/4	1,254.33	3/4	897.95	3/4	541.02	3/4	203.33	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,962.76	1	1,604.81	1	1,246.87	1	890.55	1	533.56	1	196.80	1	1	1	1	1	1	1	1
1/4	1,955.30	1/4	1,597.36	1/4	1,239.41	1/4	883.15	1/4	526.11	1/4	190.35	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,947.84	1/2	1,589.90	1/2	1,231.95	1/2	875.76	1/2	518.65	1/2	183.89	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,940.39	3/4	1,582.44	3/4	1,224.50	3/4	868.36	3/4	511.19	3/4	177.44	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,932.93	2	1,574.98	2	1,217.04	2	860.96	2	503.74	2	170.99	2	2	2	2	2	2	2	2
1/4	1,925.47	1/4	1,567.53	1/4	1,209.58	1/4	853.56	1/4	496.32	1/4	164.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,918.02	1/2	1,560.07	1/2	1,202.12	1/2	846.16	1/2	488.91	1/2	158.27	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,910.56	3/4	1,552.61	3/4	1,194.67	3/4	838.76	3/4	481.50	3/4	151.90	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,903.10	3	1,545.16	3	1,187.21	3	831.37	3	474.08	3	145.54	3	3	3	3	3	3	3	3
1/4	1,895.64	1/4	1,537.70	1/4	1,179.75	1/4	823.97	1/4	466.76	1/4	139.26	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,888.19	1/2	1,530.24	1/2	1,172.30	1/2	816.57	1/2	459.43	1/2	132.99	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,880.73	3/4	1,522.78	3/4	1,164.84	3/4	809.17	3/4	452.11	3/4	126.71	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,873.27	4	1,515.33	4	1,157.38	4	801.77	4	444.78	4	120.44	4	4	4	4	4	4	4	4
1/4	1,865.82	1/4	1,507.87	1/4	1,149.92	1/4	794.37	1/4	437.54	1/4	114.25	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,858.36	1/2	1,500.41	1/2	1,142.47	1/2	786.96	1/2	430.30	1/2	108.06	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,850.90	3/4	1,492.96	3/4	1,135.01	3/4	779.55	3/4	423.06	3/4	101.87	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,843.44	5	1,485.50	5	1,127.55	5	772.15	5	415.83	5	95.69	5	5	5	5	5	5	5	5
1/4	1,835.99	1/4	1,478.04	1/4	1,120.13	1/4	764.69	1/4	408.67	1/4	89.60	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,828.53	1/2	1,470.58	1/2	1,112.70	1/2	757.23	1/2	401.52	1/2	83.51	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,821.07	3/4	1,463.13	3/4	1,105.28	3/4	749.77	3/4	394.37	3/4	77.42	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,813.62	6	1,455.67	6	1,097.85	6	742.32	6	387.22	6	71.33	6	6	6	6	6	6	6	6
1/4	1,806.16	1/4	1,448.21	1/4	1,090.42	1/4	734.86	1/4	380.16	1/4	65.35	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,798.70	1/2	1,440.76	1/2	1,083.00	1/2	727.40	1/2	373.09	1/2	59.37	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,791.24	3/4	1,433.30	3/4	1,075.57	3/4	719.95	3/4	366.03	3/4	53.39	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,783.79	7	1,425.84	7	1,068.15	7	712.49	7	358.97	7	47.42	7	7	7	7	7	7	7	7
1/4	1,776.33	1/4	1,418.38	1/4	1,060.74	1/4	705.03	1/4	351.99	1/4	42.42	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,768.87	1/2	1,410.93	1/2	1,053.33	1/2	697.58	1/2	345.02	1/2	37.43	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,761.41	3/4	1,403.47	3/4	1,045.93	3/4	690.12	3/4	338.04	3/4	32.44	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,753.96	8	1,396.01	8	1,038.52	8	682.66	8	331.06	8	27.45	8	8	8	8	8	8	8	8
1/4	1,746.50	1/4	1,388.55	1/4	1,031.12	1/4	675.20	1/4	324.18	1/4	24.40	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,739.04	1/2	1,381.10	1/2	1,023.72	1/2	667.75	1/2	317.29	1/2	21.36	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,731.59	3/4	1,373.64	3/4	1,016.32	3/4	660.29	3/4	310.40	3/4	18.32	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,724.13	9	1,366.18	9	1,008.93	9	652.83	9	303.51	9	15.28	9	9	9	9	9	9	9	9
1/4	1,716.67	1/4	1,358.73	1/4	1,001.53	1/4	645.38	1/4	296.71	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,709.21	1/2	1,351.27	1/2	994.13	1/2	637.92	1/2	289.91	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,701.76	3/4	1,343.81	3/4	986.73	3/4	630.46	3/4	283.11	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,694.30	10	1,336.35	10	979.33	10	623.01	10	276.31	10		10	10	10	10	10	10	10	10
1/4	1,686.84	1/4	1,328.90	1/4	971.93	1/4	615.55	1/4	269.59	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,679.39	1/2	1,321.44	1/2	964.54	1/2	608.09	1/2	262.88	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,671.93	3/4	1,313.98	3/4	957.14	3/4	600.63	3/4	256.17	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,664.47	11	1,306.53	11	949.74	11	593.18	11	249.45	11		11	11	11	11	11	11	11	11
1/4	1,657.01	1/4	1,299.07	1/4	942.34	1/4	585.73	1/4	242.83	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,649.56	1/2	1,291.61	1/2	934.94	1/2	578.27	1/2	236.20	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,642.10	3/4	1,284.15	3/4	927.54	3/4	570.82	3/4	229.58	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: 12/21/2018 CL
CALCULATED: 01/07/2019 CL
PRINTED: 01/07/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2019

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



BARGE "E2MS 312"

1 STBD

ULLAGE TABLE HERMETIC

GAUGE HEIGHT 15'-09"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,993.67	0	1,635.90	0	1,278.13	0	920.63	0	563.09	0	222.82	0		0		0		0	
1/4	1,986.21	1/4	1,628.44	1/4	1,270.68	1/4	913.19	1/4	555.64	1/4	216.29	1/4		1/4		1/4		1/4	
1/2	1,978.76	1/2	1,620.99	1/2	1,263.22	1/2	905.75	1/2	548.18	1/2	209.75	1/2		1/2		1/2		1/2	
3/4	1,971.31	3/4	1,613.54	3/4	1,255.77	3/4	898.31	3/4	540.73	3/4	203.22	3/4		3/4		3/4		3/4	
1	1,963.85	1	1,606.08	1	1,248.32	1	890.87	1	533.28	1	196.68	1		1		1		1	
1/4	1,956.40	1/4	1,598.63	1/4	1,240.86	1/4	883.44	1/4	525.82	1/4	190.23	1/4		1/4		1/4		1/4	
1/2	1,948.94	1/2	1,591.18	1/2	1,233.41	1/2	876.00	1/2	518.37	1/2	183.79	1/2		1/2		1/2		1/2	
3/4	1,941.49	3/4	1,583.72	3/4	1,225.96	3/4	868.56	3/4	510.92	3/4	177.34	3/4		3/4		3/4		3/4	
2	1,934.04	2	1,576.27	2	1,218.50	2	861.12	2	503.46	2	170.89	2		2		2		2	
1/4	1,926.58	1/4	1,568.82	1/4	1,211.05	1/4	853.68	1/4	496.05	1/4	164.53	1/4		1/4		1/4		1/4	
1/2	1,919.13	1/2	1,561.36	1/2	1,203.59	1/2	846.24	1/2	488.64	1/2	158.17	1/2		1/2		1/2		1/2	
3/4	1,911.68	3/4	1,553.91	3/4	1,196.14	3/4	838.80	3/4	481.23	3/4	151.81	3/4		3/4		3/4		3/4	
3	1,904.22	3	1,546.46	3	1,188.69	3	831.36	3	473.82	3	145.45	3		3		3		3	
1/4	1,896.77	1/4	1,539.00	1/4	1,181.23	1/4	823.92	1/4	466.50	1/4	139.18	1/4		1/4		1/4		1/4	
1/2	1,889.32	1/2	1,531.55	1/2	1,173.78	1/2	816.48	1/2	459.18	1/2	132.91	1/2		1/2		1/2		1/2	
3/4	1,881.86	3/4	1,524.10	3/4	1,166.33	3/4	809.04	3/4	451.86	3/4	126.64	3/4		3/4		3/4		3/4	
4	1,874.41	4	1,516.64	4	1,158.87	4	801.60	4	444.53	4	120.36	4		4		4		4	
1/4	1,866.96	1/4	1,509.19	1/4	1,151.42	1/4	794.15	1/4	437.30	1/4	114.18	1/4		1/4		1/4		1/4	
1/2	1,859.50	1/2	1,501.73	1/2	1,143.97	1/2	786.69	1/2	430.06	1/2	108.00	1/2		1/2		1/2		1/2	
3/4	1,852.05	3/4	1,494.28	3/4	1,136.51	3/4	779.24	3/4	422.83	3/4	101.81	3/4		3/4		3/4		3/4	
5	1,844.60	5	1,486.83	5	1,129.06	5	771.79	5	415.59	5	95.63	5		5		5		5	
1/4	1,837.14	1/4	1,479.37	1/4	1,121.61	1/4	764.33	1/4	408.45	1/4	89.54	1/4		1/4		1/4		1/4	
1/2	1,829.69	1/2	1,471.92	1/2	1,114.15	1/2	756.88	1/2	401.30	1/2	83.46	1/2		1/2		1/2		1/2	
3/4	1,822.24	3/4	1,464.47	3/4	1,106.70	3/4	749.43	3/4	394.15	3/4	77.37	3/4		3/4		3/4		3/4	
6	1,814.78	6	1,457.01	6	1,099.25	6	741.97	6	387.01	6	71.28	6		6		6		6	
1/4	1,807.33	1/4	1,449.56	1/4	1,091.80	1/4	734.52	1/4	379.95	1/4	65.31	1/4		1/4		1/4		1/4	
1/2	1,799.87	1/2	1,442.11	1/2	1,084.35	1/2	727.07	1/2	372.89	1/2	59.33	1/2		1/2		1/2		1/2	
3/4	1,792.42	3/4	1,434.65	3/4	1,076.90	3/4	719.61	3/4	365.83	3/4	53.36	3/4		3/4		3/4		3/4	
7	1,784.97	7	1,427.20	7	1,069.45	7	712.16	7	358.77	7	47.39	7		7		7		7	
1/4	1,777.51	1/4	1,419.75	1/4	1,062.01	1/4	704.71	1/4	351.79	1/4	42.40	1/4		1/4		1/4		1/4	
1/2	1,770.06	1/2	1,412.29	1/2	1,054.56	1/2	697.25	1/2	344.82	1/2	37.41	1/2		1/2		1/2		1/2	
3/4	1,762.61	3/4	1,404.84	3/4	1,047.11	3/4	689.80	3/4	337.85	3/4	32.42	3/4		3/4		3/4		3/4	
8	1,755.15	8	1,397.39	8	1,039.66	8	682.35	8	330.88	8	27.43	8		8		8		8	
1/4	1,747.70	1/4	1,389.93	1/4	1,032.22	1/4	674.89	1/4	323.99	1/4	24.39	1/4		1/4		1/4		1/4	
1/2	1,740.25	1/2	1,382.48	1/2	1,024.78	1/2	667.44	1/2	317.11	1/2	21.35	1/2		1/2		1/2		1/2	
3/4	1,732.79	3/4	1,375.03	3/4	1,017.34	3/4	659.99	3/4	310.22	3/4	18.31	3/4		3/4		3/4		3/4	
9	1,725.34	9	1,367.57	9	1,009.91	9	652.53	9	303.34	9	15.27	9		9		9		9	
1/4	1,717.89	1/4	1,360.12	1/4	1,002.47	1/4	645.08	1/4	296.54	1/4		1/4		1/4		1/4		1/4	
1/2	1,710.43	1/2	1,352.66	1/2	995.03	1/2	637.62	1/2	289.74	1/2		1/2		1/2		1/2		1/2	
3/4	1,702.98	3/4	1,345.21	3/4	987.59	3/4	630.17	3/4	282.95	3/4		3/4		3/4		3/4		3/4	
10	1,695.53	10	1,337.76	10	980.15	10	622.72	10	276.15	10		10		10		10		10	
1/4	1,688.07	1/4	1,330.30	1/4	972.71	1/4	615.26	1/4	269.44	1/4		1/4		1/4		1/4		1/4	
1/2	1,680.62	1/2	1,322.85	1/2	965.27	1/2	607.81	1/2	262.73	1/2		1/2		1/2		1/2		1/2	
3/4	1,673.17	3/4	1,315.40	3/4	957.83	3/4	600.36	3/4	256.02	3/4		3/4		3/4		3/4		3/4	
11	1,665.71	11	1,307.94	11	950.39	11	592.90	11	249.31	11		11		11		11		11	
1/4	1,658.26	1/4	1,300.49	1/4	942.95	1/4	585.45	1/4	242.69	1/4		1/4		1/4		1/4		1/4	
1/2	1,650.80	1/2	1,293.04	1/2	935.51	1/2	578.00	1/2	236.06	1/2		1/2		1/2		1/2		1/2	
3/4	1,643.35	3/4	1,285.58	3/4	928.07	3/4	570.54	3/4	229.44	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/21/2018 CL
CALCULATED: 01/07/2019 CL
PRINTED: 01/07/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2019

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



BARGE "E2MS 312"

2 PORT ULLAGE TABLE HERMETIC GAUGE HEIGHT 15'-09"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,048.88	0	1,690.07	0	1,331.25	0	980.86	0	628.09	0	269.28	0		0		0		0	
1/4	2,041.40	1/4	1,682.59	1/4	1,323.78	1/4	973.69	1/4	620.61	1/4	261.80	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,033.93	1/2	1,675.11	1/2	1,316.30	1/2	966.52	1/2	613.14	1/2	254.32	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,026.45	3/4	1,667.64	3/4	1,308.82	3/4	959.36	3/4	605.66	3/4	246.85	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,018.98	1	1,660.16	1	1,301.35	1	952.19	1	598.19	1	239.37	1	1	1	1	1	1	1	1
1/4	2,011.50	1/4	1,652.69	1/4	1,293.87	1/4	945.02	1/4	590.71	1/4	231.90	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,004.03	1/2	1,645.21	1/2	1,286.40	1/2	937.85	1/2	583.24	1/2	224.42	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,996.55	3/4	1,637.74	3/4	1,278.92	3/4	930.68	3/4	575.76	3/4	216.95	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,989.08	2	1,630.26	2	1,271.45	2	923.51	2	568.29	2	209.47	2	2	2	2	2	2	2	2
1/4	1,981.60	1/4	1,622.79	1/4	1,263.97	1/4	916.35	1/4	560.81	1/4	202.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,974.13	1/2	1,615.31	1/2	1,256.50	1/2	909.18	1/2	553.34	1/2	194.52	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,966.65	3/4	1,607.84	3/4	1,249.02	3/4	902.01	3/4	545.86	3/4	187.05	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,959.18	3	1,600.36	3	1,241.55	3	894.84	3	538.39	3	179.57	3	3	3	3	3	3	3	3
1/4	1,951.70	1/4	1,592.89	1/4	1,234.07	1/4	887.67	1/4	530.91	1/4	172.10	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,944.23	1/2	1,585.41	1/2	1,226.60	1/2	880.50	1/2	523.44	1/2	164.62	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,936.75	3/4	1,577.94	3/4	1,219.12	3/4	873.33	3/4	515.96	3/4	157.15	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,929.27	4	1,570.46	4	1,211.65	4	866.17	4	508.48	4	149.67	4	4	4	4	4	4	4	4
1/4	1,921.80	1/4	1,562.99	1/4	1,204.17	1/4	858.97	1/4	501.01	1/4	142.20	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,914.32	1/2	1,555.51	1/2	1,196.70	1/2	851.78	1/2	493.53	1/2	134.72	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,906.85	3/4	1,548.03	3/4	1,189.22	3/4	844.59	3/4	486.06	3/4	127.25	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,899.37	5	1,540.56	5	1,181.74	5	837.40	5	478.58	5	119.78	5	5	5	5	5	5	5	5
1/4	1,891.90	1/4	1,533.08	1/4	1,174.26	1/4	829.92	1/4	471.11	1/4	112.31	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,884.42	1/2	1,525.61	1/2	1,166.79	1/2	822.45	1/2	463.63	1/2	104.85	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,876.95	3/4	1,518.13	3/4	1,160.17	3/4	814.97	3/4	456.16	3/4	97.38	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,869.47	6	1,510.66	6	1,152.97	6	807.50	6	448.68	6	89.92	6	6	6	6	6	6	6	6
1/4	1,862.00	1/4	1,503.18	1/4	1,145.80	1/4	800.02	1/4	441.21	1/4	82.48	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,854.52	1/2	1,495.71	1/2	1,138.62	1/2	792.55	1/2	433.73	1/2	75.04	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,847.05	3/4	1,488.23	3/4	1,131.44	3/4	785.07	3/4	426.26	3/4	67.60	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,839.57	7	1,480.76	7	1,124.27	7	777.60	7	418.78	7	60.16	7	7	7	7	7	7	7	7
1/4	1,832.10	1/4	1,473.28	1/4	1,117.09	1/4	770.12	1/4	411.31	1/4	53.62	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,824.62	1/2	1,465.81	1/2	1,109.91	1/2	762.64	1/2	403.83	1/2	47.08	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,817.15	3/4	1,458.33	3/4	1,102.73	3/4	755.17	3/4	396.36	3/4	40.54	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,809.67	8	1,450.86	8	1,095.56	8	747.69	8	388.88	8	34.00	8	8	8	8	8	8	8	8
1/4	1,802.19	1/4	1,443.38	1/4	1,088.39	1/4	740.22	1/4	381.40	1/4	29.33	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,794.72	1/2	1,435.90	1/2	1,081.22	1/2	732.74	1/2	373.93	1/2	24.66	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,787.24	3/4	1,428.43	3/4	1,074.05	3/4	725.27	3/4	366.45	3/4	19.99	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,779.77	9	1,420.95	9	1,066.88	9	717.79	9	358.98	9	15.32	9	9	9	9	9	9	9	9
1/4	1,772.29	1/4	1,413.48	1/4	1,059.72	1/4	710.32	1/4	351.50	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,764.82	1/2	1,406.00	1/2	1,052.55	1/2	702.84	1/2	344.03	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,757.34	3/4	1,398.53	3/4	1,045.38	3/4	695.37	3/4	336.55	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,749.87	10	1,391.05	10	1,038.21	10	687.89	10	329.08	10		10	10	10	10	10	10	10	10
1/4	1,742.39	1/4	1,383.58	1/4	1,031.04	1/4	680.42	1/4	321.60	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,734.92	1/2	1,376.10	1/2	1,023.87	1/2	672.94	1/2	314.13	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,727.44	3/4	1,368.63	3/4	1,016.70	3/4	665.47	3/4	306.65	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,719.97	11	1,361.15	11	1,009.54	11	657.99	11	299.18	11		11	11	11	11	11	11	11	11
1/4	1,712.49	1/4	1,353.68	1/4	1,002.37	1/4	650.52	1/4	291.70	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,705.02	1/2	1,346.20	1/2	995.20	1/2	643.04	1/2	284.23	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,697.54	3/4	1,338.73	3/4	988.03	3/4	635.56	3/4	276.75	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: 12/21/2018 CL
CALCULATED: 01/07/2019 CL
PRINTED: 01/07/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2019

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



BARGE "E2MS 312"

2 STBD

ULLAGE TABLE HERMETIC

GAUGE HEIGHT 15'-09 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,080.82	0	1,721.48	0	1,362.14	0	1,003.05	0	643.98	0	284.64	0		0		0		0	
1/4	2,073.33	1/4	1,714.00	1/4	1,354.66	1/4	995.58	1/4	636.49	1/4	277.15	1/4		1/4		1/4		1/4	
1/2	2,065.85	1/2	1,706.51	1/2	1,347.17	1/2	988.11	1/2	629.01	1/2	269.67	1/2		1/2		1/2		1/2	
3/4	2,058.36	3/4	1,699.02	3/4	1,339.69	3/4	980.64	3/4	621.52	3/4	262.18	3/4		3/4		3/4		3/4	
1	2,050.87	1	1,691.54	1	1,332.20	1	973.17	1	614.03	1	254.70	1		1		1		1	
1/4	2,043.39	1/4	1,684.05	1/4	1,324.71	1/4	965.70	1/4	606.55	1/4	247.21	1/4		1/4		1/4		1/4	
1/2	2,035.90	1/2	1,676.56	1/2	1,317.23	1/2	958.22	1/2	599.06	1/2	239.72	1/2		1/2		1/2		1/2	
3/4	2,028.42	3/4	1,669.08	3/4	1,309.74	3/4	950.75	3/4	591.57	3/4	232.24	3/4		3/4		3/4		3/4	
2	2,020.93	2	1,661.59	2	1,302.25	2	943.28	2	584.09	2	224.75	2		2		2		2	
1/4	2,013.44	1/4	1,654.11	1/4	1,294.77	1/4	935.81	1/4	576.60	1/4	217.26	1/4		1/4		1/4		1/4	
1/2	2,005.96	1/2	1,646.62	1/2	1,287.28	1/2	928.34	1/2	569.12	1/2	209.78	1/2		1/2		1/2		1/2	
3/4	1,998.47	3/4	1,639.13	3/4	1,279.80	3/4	920.87	3/4	561.63	3/4	202.29	3/4		3/4		3/4		3/4	
3	1,990.99	3	1,631.65	3	1,272.31	3	913.39	3	554.14	3	194.81	3		3		3		3	
1/4	1,983.50	1/4	1,624.16	1/4	1,264.82	1/4	905.92	1/4	546.66	1/4	187.32	1/4		1/4		1/4		1/4	
1/2	1,976.01	1/2	1,616.68	1/2	1,257.34	1/2	898.45	1/2	539.17	1/2	179.83	1/2		1/2		1/2		1/2	
3/4	1,968.53	3/4	1,609.19	3/4	1,249.85	3/4	890.98	3/4	531.68	3/4	172.35	3/4		3/4		3/4		3/4	
4	1,961.04	4	1,601.70	4	1,242.37	4	883.51	4	524.20	4	164.86	4		4		4		4	
1/4	1,953.55	1/4	1,594.22	1/4	1,234.88	1/4	876.04	1/4	516.71	1/4	157.37	1/4		1/4		1/4		1/4	
1/2	1,946.07	1/2	1,586.73	1/2	1,227.39	1/2	868.56	1/2	509.23	1/2	149.89	1/2		1/2		1/2		1/2	
3/4	1,938.58	3/4	1,579.24	3/4	1,219.91	3/4	861.08	3/4	501.74	3/4	142.40	3/4		3/4		3/4		3/4	
5	1,931.10	5	1,571.76	5	1,212.42	5	853.59	5	494.25	5	134.92	5		5		5		5	
1/4	1,923.61	1/4	1,564.27	1/4	1,204.93	1/4	846.11	1/4	486.77	1/4	127.43	1/4		1/4		1/4		1/4	
1/2	1,916.12	1/2	1,556.79	1/2	1,197.45	1/2	838.62	1/2	479.28	1/2	119.95	1/2		1/2		1/2		1/2	
3/4	1,908.64	3/4	1,549.30	3/4	1,189.96	3/4	831.13	3/4	471.80	3/4	112.47	3/4		3/4		3/4		3/4	
6	1,901.15	6	1,541.81	6	1,182.48	6	823.65	6	464.31	6	105.00	6		6		6		6	
1/4	1,893.66	1/4	1,534.33	1/4	1,174.99	1/4	816.16	1/4	456.82	1/4	97.52	1/4		1/4		1/4		1/4	
1/2	1,886.18	1/2	1,526.84	1/2	1,167.50	1/2	808.67	1/2	449.34	1/2	90.05	1/2		1/2		1/2		1/2	
3/4	1,878.69	3/4	1,519.35	3/4	1,160.02	3/4	801.19	3/4	441.85	3/4	82.60	3/4		3/4		3/4		3/4	
7	1,871.21	7	1,511.87	7	1,152.54	7	793.70	7	434.36	7	75.15	7		7		7		7	
1/4	1,863.72	1/4	1,504.38	1/4	1,145.06	1/4	786.22	1/4	426.88	1/4	67.70	1/4		1/4		1/4		1/4	
1/2	1,856.23	1/2	1,496.90	1/2	1,137.58	1/2	778.73	1/2	419.39	1/2	60.25	1/2		1/2		1/2		1/2	
3/4	1,848.75	3/4	1,489.41	3/4	1,130.10	3/4	771.24	3/4	411.91	3/4	53.70	3/4		3/4		3/4		3/4	
8	1,841.26	8	1,481.92	8	1,122.62	8	763.76	8	404.42	8	47.15	8		8		8		8	
1/4	1,833.77	1/4	1,474.44	1/4	1,115.14	1/4	756.27	1/4	396.93	1/4	40.60	1/4		1/4		1/4		1/4	
1/2	1,826.29	1/2	1,466.95	1/2	1,107.66	1/2	748.78	1/2	389.45	1/2	34.05	1/2		1/2		1/2		1/2	
3/4	1,818.80	3/4	1,459.46	3/4	1,100.19	3/4	741.30	3/4	381.96	3/4	29.37	3/4		3/4		3/4		3/4	
9	1,811.32	9	1,451.98	9	1,092.71	9	733.81	9	374.47	9	24.69	9		9		9		9	
1/4	1,803.83	1/4	1,444.49	1/4	1,085.24	1/4	726.33	1/4	366.99	1/4	20.02	1/4		1/4		1/4		1/4	
1/2	1,796.34	1/2	1,437.01	1/2	1,077.77	1/2	718.84	1/2	359.50	1/2	15.34	1/2		1/2		1/2		1/2	
3/4	1,788.86	3/4	1,429.52	3/4	1,070.30	3/4	711.35	3/4	352.02	3/4		3/4		3/4		3/4		3/4	
10	1,781.37	10	1,422.03	10	1,062.83	10	703.87	10	344.53	10		10		10		10		10	
1/4	1,773.89	1/4	1,414.55	1/4	1,055.36	1/4	696.38	1/4	337.04	1/4		1/4		1/4		1/4		1/4	
1/2	1,766.40	1/2	1,407.06	1/2	1,047.88	1/2	688.90	1/2	329.56	1/2		1/2		1/2		1/2		1/2	
3/4	1,758.91	3/4	1,399.58	3/4	1,040.41	3/4	681.41	3/4	322.07	3/4		3/4		3/4		3/4		3/4	
11	1,751.43	11	1,392.09	11	1,032.94	11	673.92	11	314.59	11		11		11		11		11	
1/4	1,743.94	1/4	1,384.60	1/4	1,025.47	1/4	666.44	1/4	307.10	1/4		1/4		1/4		1/4		1/4	
1/2	1,736.45	1/2	1,377.12	1/2	1,018.00	1/2	658.95	1/2	299.61	1/2		1/2		1/2		1/2		1/2	
3/4	1,728.97	3/4	1,369.63	3/4	1,010.53	3/4	651.46	3/4	292.13	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/21/2018 CL
CALCULATED: 01/07/2019 CL
PRINTED: 01/07/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2019

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



BARGE "E2MS 312"

3 PORT ULLAGE TABLE

HERMETIC GAUGE HEIGHT 15'-08 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0			4,346.33	0	4,127.64	0	3,908.51	0	3,688.99	0	3,450.17	0	3,096.82	0	2,740.02	0	2,383.13
1/4		1/4		1/4	4,341.81	1/4	4,123.08	1/4	3,903.94	1/4	3,684.41	1/4	3,443.49	1/4	3,089.38	1/4	2,732.59	1/4	2,375.69
1/2		1/2		1/2	4,337.29	1/2	4,118.51	1/2	3,899.38	1/2	3,679.83	1/2	3,436.80	1/2	3,081.95	1/2	2,725.16	1/2	2,368.25
3/4		3/4		3/4	4,332.77	3/4	4,113.95	3/4	3,894.81	3/4	3,675.26	3/4	3,429.64	3/4	3,074.52	3/4	2,717.72	3/4	2,360.80
1	1	1		1	4,328.25	1	4,109.38	1	3,890.25	1	3,670.68	1	3,422.47	1	3,067.08	1	2,710.29	1	2,353.36
1/4		1/4		1/4	4,323.73	1/4	4,104.82	1/4	3,885.68	1/4	3,666.10	1/4	3,415.31	1/4	3,059.65	1/4	2,702.86	1/4	2,345.92
1/2		1/2		1/2	4,319.21	1/2	4,100.25	1/2	3,881.12	1/2	3,661.52	1/2	3,408.14	1/2	3,052.22	1/2	2,695.42	1/2	2,338.47
3/4		3/4		3/4	4,314.69	3/4	4,095.69	3/4	3,876.55	3/4	3,656.94	3/4	3,400.75	3/4	3,044.78	3/4	2,687.99	3/4	2,331.03
2	2	2		2	4,310.17	2	4,091.12	2	3,871.99	2	3,652.37	2	3,393.36	2	3,037.35	2	2,680.56	2	2,323.59
1/4		1/4		1/4	4,305.65	1/4	4,086.56	1/4	3,867.42	1/4	3,647.79	1/4	3,385.97	1/4	3,029.92	1/4	2,673.12	1/4	2,316.14
1/2		1/2		1/2	4,301.13	1/2	4,081.99	1/2	3,862.86	1/2	3,643.21	1/2	3,378.58	1/2	3,022.48	1/2	2,665.69	1/2	2,308.70
3/4		3/4		3/4	4,296.56	3/4	4,077.43	3/4	3,858.29	3/4	3,638.63	3/4	3,371.18	3/4	3,015.05	3/4	2,658.26	3/4	2,301.25
3	3	3		3	4,291.99	3	4,072.86	3	3,853.73	3	3,634.05	3	3,363.78	3	3,007.62	3	2,650.82	3	2,293.81
1/4		1/4		1/4	4,287.43	1/4	4,068.29	1/4	3,849.16	1/4	3,629.48	1/4	3,356.38	1/4	3,000.18	1/4	2,643.39	1/4	2,286.37
1/2		1/2		1/2	4,282.86	1/2	4,063.73	1/2	3,844.60	1/2	3,624.90	1/2	3,348.98	1/2	2,992.75	1/2	2,635.96	1/2	2,278.92
3/4		3/4		3/4	4,278.30	3/4	4,059.16	3/4	3,840.03	3/4	3,620.32	3/4	3,341.57	3/4	2,985.32	3/4	2,628.52	3/4	2,271.49
4	4	4		4	4,273.73	4	4,054.60	4	3,835.46	4	3,615.74	4	3,334.17	4	2,977.88	4	2,621.09	4	2,264.05
1/4		1/4		1/4	4,269.17	1/4	4,050.03	1/4	3,830.90	1/4	3,611.16	1/4	3,326.76	1/4	2,970.45	1/4	2,613.65	1/4	2,256.61
1/2		1/2		1/2	4,264.60	1/2	4,045.47	1/2	3,826.33	1/2	3,606.59	1/2	3,319.36	1/2	2,963.02	1/2	2,606.22	1/2	2,249.17
3/4		3/4		3/4	4,260.04	3/4	4,040.90	3/4	3,821.76	3/4	3,602.01	3/4	3,311.95	3/4	2,955.58	3/4	2,598.79	3/4	2,241.73
5	5	5		5	4,255.47	5	4,036.34	5	3,817.18	5	3,597.43	5	3,304.55	5	2,948.15	5	2,591.35	5	2,234.30
1/4		1/4		1/4	4,250.91	1/4	4,031.77	1/4	3,812.60	1/4	3,592.85	1/4	3,297.14	1/4	2,940.72	1/4	2,583.92	1/4	2,226.86
1/2		1/2	4,456.05	1/2	4,246.34	1/2	4,027.21	1/2	3,808.02	1/2	3,588.27	1/2	3,289.74	1/2	2,933.29	1/2	2,576.48	1/2	2,219.42
3/4		3/4	4,452.86	3/4	4,241.78	3/4	4,022.64	3/4	3,803.44	3/4	3,583.69	3/4	3,282.33	3/4	2,925.85	3/4	2,569.05	3/4	2,211.98
6	6	6	4,449.68	6	4,237.21	6	4,018.08	6	3,798.87	6	3,579.12	6	3,274.93	6	2,918.42	6	2,561.61	6	2,204.55
1/4		1/4	4,446.49	1/4	4,232.65	1/4	4,013.51	1/4	3,794.29	1/4	3,574.54	1/4	3,267.52	1/4	2,910.99	1/4	2,554.18	1/4	2,197.11
1/2		1/2	4,443.30	1/2	4,228.08	1/2	4,008.95	1/2	3,789.71	1/2	3,569.96	1/2	3,260.12	1/2	2,903.55	1/2	2,546.74	1/2	2,189.67
3/4		3/4	4,439.36	3/4	4,223.52	3/4	4,004.38	3/4	3,785.13	3/4	3,565.38	3/4	3,252.71	3/4	2,896.12	3/4	2,539.31	3/4	2,182.23
7	7	7	4,435.41	7	4,218.95	7	3,999.82	7	3,780.55	7	3,560.80	7	3,245.31	7	2,888.69	7	2,531.88	7	2,174.79
1/4		1/4	4,431.46	1/4	4,214.38	1/4	3,995.25	1/4	3,775.97	1/4	3,556.23	1/4	3,237.90	1/4	2,881.25	1/4	2,524.44	1/4	2,167.36
1/2		1/2	4,427.51	1/2	4,209.82	1/2	3,990.68	1/2	3,771.40	1/2	3,551.65	1/2	3,230.50	1/2	2,873.82	1/2	2,517.01	1/2	2,159.92
3/4		3/4	4,423.03	3/4	4,205.25	3/4	3,986.12	3/4	3,766.82	3/4	3,546.83	3/4	3,223.10	3/4	2,866.39	3/4	2,509.57	3/4	2,152.48
8	8	8	4,418.55	8	4,200.69	8	3,981.55	8	3,762.24	8	3,542.01	8	3,215.69	8	2,858.95	8	2,502.14	8	2,145.04
1/4		1/4	4,414.07	1/4	4,196.12	1/4	3,976.99	1/4	3,757.66	1/4	3,537.19	1/4	3,208.29	1/4	2,851.52	1/4	2,494.70	1/4	2,137.60
1/2		1/2	4,409.60	1/2	4,191.56	1/2	3,972.42	1/2	3,753.08	1/2	3,532.38	1/2	3,200.88	1/2	2,844.09	1/2	2,487.27	1/2	2,130.17
3/4		3/4	4,405.08	3/4	4,186.99	3/4	3,967.86	3/4	3,748.51	3/4	3,527.12	3/4	3,193.45	3/4	2,836.65	3/4	2,479.83	3/4	2,122.73
9	9	9	4,400.57	9	4,182.43	9	3,963.29	9	3,743.93	9	3,521.86	9	3,186.01	9	2,829.22	9	2,472.40	9	2,115.29
1/4		1/4	4,396.06	1/4	4,177.86	1/4	3,958.73	1/4	3,739.35	1/4	3,516.60	1/4	3,178.58	1/4	2,821.79	1/4	2,464.97	1/4	2,107.85
1/2		1/2	4,391.55	1/2	4,173.30	1/2	3,954.16	1/2	3,734.77	1/2	3,511.33	1/2	3,171.15	1/2	2,814.35	1/2	2,457.53	1/2	2,100.41
3/4		3/4	4,387.02	3/4	4,168.73	3/4	3,949.60	3/4	3,730.19	3/4	3,505.59	3/4	3,163.71	3/4	2,806.92	3/4	2,450.10	3/4	2,093.00
10	10	10	4,382.50	10	4,164.17	10	3,945.03	10	3,725.62	10	3,499.85	10	3,156.28	10	2,799.49	10	2,442.66	10	2,085.58
1/4		1/4	4,377.98	1/4	4,159.60	1/4	3,940.47	1/4	3,721.04	1/4	3,494.11	1/4	3,148.85	1/4	2,792.05	1/4	2,435.23	1/4	2,078.16
1/2		1/2	4,373.46	1/2	4,155.04	1/2	3,935.90	1/2	3,716.46	1/2	3,488.37	1/2	3,141.41	1/2	2,784.62	1/2	2,427.79	1/2	2,070.74
3/4		3/4	4,368.94	3/4	4,150.47	3/4	3,931.34	3/4	3,711.88	3/4	3,482.17	3/4	3,133.98	3/4	2,777.19	3/4	2,420.35	3/4	2,063.32
11	11	11	4,364.42	11	4,145.91	11	3,926.77	11	3,707.30	11	3,475.96	11	3,126.55	11	2,769.75	11	2,412.91	11	2,055.91
1/4		1/4	4,359.90	1/4	4,141.34	1/4	3,922.21	1/4	3,702.73	1/4	3,469.75	1/4	3,119.12	1/4	2,762.32	1/4	2,405.46	1/4	2,048.49
1/2		1/2	4,355.37	1/2	4,136.77	1/2	3,917.64	1/2	3,698.15	1/2	3,463.54	1/2	3,111.68	1/2	2,754.89	1/2	2,398.02	1/2	2,041.07
3/4		3/4	4,350.85	3/4	4,132.21	3/4	3,913.07	3/4	3,693.57	3/4	3,456.86	3/4	3,104.25	3/4	2,747.46	3/4	2,390.58	3/4	2,033.65

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 "E2MS 312"

3 PORT ULLAGE TABLE HERMETIC GAUGE HEIGHT 15'-08 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,026.22	0	1,669.66	0	1,312.48	0	963.15	0	611.23	0	253.74	0		0		0		0	
1/4	2,018.80	1/4	1,662.22	1/4	1,305.04	1/4	956.00	1/4	603.78	1/4	246.28	1/4		1/4		1/4		1/4	
1/2	2,011.37	1/2	1,654.78	1/2	1,297.60	1/2	948.85	1/2	596.34	1/2	238.82	1/2		1/2		1/2		1/2	
3/4	2,003.95	3/4	1,647.34	3/4	1,290.16	3/4	941.70	3/4	588.89	3/4	231.36	3/4		3/4		3/4		3/4	
1	1,996.52	1	1,639.90	1	1,282.71	1	934.55	1	581.44	1	223.90	1		1		1		1	
1/4	1,989.10	1/4	1,632.46	1/4	1,275.27	1/4	927.40	1/4	574.00	1/4	216.45	1/4		1/4		1/4		1/4	
1/2	1,981.67	1/2	1,625.01	1/2	1,267.83	1/2	920.25	1/2	566.55	1/2	208.99	1/2		1/2		1/2		1/2	
3/4	1,974.25	3/4	1,617.57	3/4	1,260.39	3/4	913.10	3/4	559.10	3/4	201.53	3/4		3/4		3/4		3/4	
2	1,966.82	2	1,610.13	2	1,252.95	2	905.95	2	551.66	2	194.07	2		2		2		2	
1/4	1,959.40	1/4	1,602.69	1/4	1,245.51	1/4	898.80	1/4	544.21	1/4	186.62	1/4		1/4		1/4		1/4	
1/2	1,951.97	1/2	1,595.25	1/2	1,238.07	1/2	891.65	1/2	536.77	1/2	179.16	1/2		1/2		1/2		1/2	
3/4	1,944.55	3/4	1,587.81	3/4	1,230.63	3/4	884.50	3/4	529.32	3/4	171.70	3/4		3/4		3/4		3/4	
3	1,937.12	3	1,580.37	3	1,223.18	3	877.35	3	521.87	3	164.24	3		3		3		3	
1/4	1,929.70	1/4	1,572.93	1/4	1,215.74	1/4	870.20	1/4	514.43	1/4	156.78	1/4		1/4		1/4		1/4	
1/2	1,922.27	1/2	1,565.48	1/2	1,208.30	1/2	863.05	1/2	506.98	1/2	149.33	1/2		1/2		1/2		1/2	
3/4	1,914.85	3/4	1,558.04	3/4	1,200.86	3/4	855.88	3/4	499.53	3/4	141.87	3/4		3/4		3/4		3/4	
4	1,907.42	4	1,550.60	4	1,193.42	4	848.71	4	492.09	4	134.41	4		4		4		4	
1/4	1,900.00	1/4	1,543.16	1/4	1,185.98	1/4	841.54	1/4	484.64	1/4	126.96	1/4		1/4		1/4		1/4	
1/2	1,892.57	1/2	1,535.72	1/2	1,178.54	1/2	834.36	1/2	477.19	1/2	119.50	1/2		1/2		1/2		1/2	
3/4	1,885.15	3/4	1,528.28	3/4	1,171.30	3/4	826.98	3/4	469.75	3/4	112.05	3/4		3/4		3/4		3/4	
5	1,877.72	5	1,520.84	5	1,164.07	5	819.60	5	462.30	5	104.60	5		5		5		5	
1/4	1,870.30	1/4	1,513.39	1/4	1,156.63	1/4	812.21	1/4	454.86	1/4	97.16	1/4		1/4		1/4		1/4	
1/2	1,862.87	1/2	1,505.95	1/2	1,149.60	1/2	804.83	1/2	447.41	1/2	89.71	1/2		1/2		1/2		1/2	
3/4	1,855.45	3/4	1,498.51	3/4	1,142.38	3/4	797.39	3/4	439.96	3/4	82.29	3/4		3/4		3/4		3/4	
6	1,848.02	6	1,491.07	6	1,135.16	6	789.94	6	432.52	6	74.87	6		6		6		6	
1/4	1,840.60	1/4	1,483.63	1/4	1,127.94	1/4	782.49	1/4	425.07	1/4	67.44	1/4		1/4		1/4		1/4	
1/2	1,833.17	1/2	1,476.19	1/2	1,120.72	1/2	775.05	1/2	417.62	1/2	60.02	1/2		1/2		1/2		1/2	
3/4	1,825.75	3/4	1,468.75	3/4	1,113.50	3/4	767.60	3/4	410.18	3/4	53.50	3/4		3/4		3/4		3/4	
7	1,818.32	7	1,461.31	7	1,106.28	7	760.15	7	402.73	7	46.97	7		7		7		7	
1/4	1,810.90	1/4	1,453.86	1/4	1,099.06	1/4	752.71	1/4	395.29	1/4	40.45	1/4		1/4		1/4		1/4	
1/2	1,803.47	1/2	1,446.42	1/2	1,091.84	1/2	745.26	1/2	387.84	1/2	33.93	1/2		1/2		1/2		1/2	
3/4	1,796.05	3/4	1,438.98	3/4	1,084.69	3/4	737.82	3/4	380.39	3/4	29.26	3/4		3/4		3/4		3/4	
8	1,788.62	8	1,431.54	8	1,077.54	8	730.37	8	372.95	8	24.60	8		8		8		8	
1/4	1,781.20	1/4	1,424.10	1/4	1,070.39	1/4	722.92	1/4	365.50	1/4	19.94	1/4		1/4		1/4		1/4	
1/2	1,773.77	1/2	1,416.66	1/2	1,063.24	1/2	715.48	1/2	358.05	1/2	15.28	1/2		1/2		1/2		1/2	
3/4	1,766.35	3/4	1,409.22	3/4	1,056.09	3/4	708.03	3/4	350.61	3/4		3/4		3/4		3/4		3/4	
9	1,758.93	9	1,401.78	9	1,048.94	9	700.58	9	343.16	9		9		9		9		9	
1/4	1,751.50	1/4	1,394.33	1/4	1,041.79	1/4	693.14	1/4	335.72	1/4		1/4		1/4		1/4		1/4	
1/2	1,744.08	1/2	1,386.89	1/2	1,034.64	1/2	685.69	1/2	328.27	1/2		1/2		1/2		1/2		1/2	
3/4	1,736.63	3/4	1,379.45	3/4	1,027.49	3/4	678.24	3/4	320.82	3/4		3/4		3/4		3/4		3/4	
10	1,729.19	10	1,372.01	10	1,020.34	10	670.80	10	313.38	10		10		10		10		10	
1/4	1,721.75	1/4	1,364.57	1/4	1,013.19	1/4	663.35	1/4	305.93	1/4		1/4		1/4		1/4		1/4	
1/2	1,714.31	1/2	1,357.13	1/2	1,006.04	1/2	655.91	1/2	298.48	1/2		1/2		1/2		1/2		1/2	
3/4	1,706.87	3/4	1,349.69	3/4	998.89	3/4	648.46	3/4	291.03	3/4		3/4		3/4		3/4		3/4	
11	1,699.43	11	1,342.25	11	991.74	11	641.01	11	283.57	11		11		11		11		11	
1/4	1,691.99	1/4	1,334.80	1/4	984.60	1/4	633.57	1/4	276.11	1/4		1/4		1/4		1/4		1/4	
1/2	1,684.54	1/2	1,327.36	1/2	977.45	1/2	626.12	1/2	268.65	1/2		1/2		1/2		1/2		1/2	
3/4	1,677.10	3/4	1,319.92	3/4	970.30	3/4	618.67	3/4	261.19	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/21/2018 CL
CALCULATED: 01/07/2019 CL
PRINTED: 01/07/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2019

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



BARGE "E2MS 312"

3 STBD ULLAGE TABLE

HERMETIC GAUGE HEIGHT 15'-08 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	4,358.24	0	4,139.94	0	3,921.19	0	3,702.06	0	3,463.60	0	3,110.23	0	2,753.42	0	2,396.53
1/4	1/4	1/4	1/4	1/4	4,353.73	1/4	4,135.38	1/4	3,916.63	1/4	3,697.49	1/4	3,456.91	1/4	3,102.79	1/4	2,745.99	1/4	2,389.09
1/2	1/2	1/2	1/2	1/2	4,349.21	1/2	4,130.83	1/2	3,912.08	1/2	3,692.92	1/2	3,450.23	1/2	3,095.36	1/2	2,738.55	1/2	2,381.64
3/4	3/4	3/4	3/4	3/4	4,344.70	3/4	4,126.27	3/4	3,907.52	3/4	3,688.35	3/4	3,443.06	3/4	3,087.93	3/4	2,731.12	3/4	2,374.20
1	1	1	1	1	4,340.19	1	4,121.71	1	3,902.96	1	3,683.78	1	3,435.90	1	3,080.49	1	2,723.68	1	2,366.75
1/4	1/4	1/4	1/4	1/4	4,335.68	1/4	4,117.15	1/4	3,898.40	1/4	3,679.21	1/4	3,428.73	1/4	3,073.06	1/4	2,716.25	1/4	2,359.31
1/2	1/2	1/2	1/2	1/2	4,331.17	1/2	4,112.60	1/2	3,893.85	1/2	3,674.64	1/2	3,421.57	1/2	3,065.63	1/2	2,708.82	1/2	2,351.87
3/4	3/4	3/4	3/4	3/4	4,326.65	3/4	4,108.04	3/4	3,889.29	3/4	3,670.07	3/4	3,414.17	3/4	3,058.19	3/4	2,701.38	3/4	2,344.42
2	2	2	2	2	4,322.14	2	4,103.48	2	3,884.73	2	3,665.50	2	3,406.78	2	3,050.76	2	2,693.95	2	2,336.98
1/4	1/4	1/4	1/4	1/4	4,317.63	1/4	4,098.92	1/4	3,880.17	1/4	3,660.93	1/4	3,399.39	1/4	3,043.33	1/4	2,686.52	1/4	2,329.54
1/2	1/2	1/2	1/2	1/2	4,313.12	1/2	4,094.37	1/2	3,875.62	1/2	3,656.36	1/2	3,392.00	1/2	3,035.89	1/2	2,679.08	1/2	2,322.09
3/4	3/4	3/4	3/4	3/4	4,308.56	3/4	4,089.81	3/4	3,871.06	3/4	3,651.79	3/4	3,384.60	3/4	3,028.46	3/4	2,671.65	3/4	2,314.65
3	3	3	3	3	4,304.00	3	4,085.25	3	3,866.50	3	3,647.22	3	3,377.20	3	3,021.02	3	2,664.22	3	2,307.20
1/4	1/4	1/4	1/4	1/4	4,299.45	1/4	4,080.70	1/4	3,861.95	1/4	3,642.65	1/4	3,369.80	1/4	3,013.59	1/4	2,656.78	1/4	2,299.76
1/2	1/2	1/2	1/2	1/2	4,294.89	1/2	4,076.14	1/2	3,857.39	1/2	3,638.08	1/2	3,362.40	1/2	3,006.16	1/2	2,649.35	1/2	2,292.32
3/4	3/4	3/4	3/4	3/4	4,290.33	3/4	4,071.58	3/4	3,852.83	3/4	3,633.51	3/4	3,354.99	3/4	2,998.72	3/4	2,641.92	3/4	2,284.87
4	4	4	4	4	4,285.77	4	4,067.02	4	3,848.27	4	3,628.94	4	3,347.59	4	2,991.29	4	2,634.48	4	2,277.43
1/4	1/4	1/4	1/4	1/4	4,281.22	1/4	4,062.47	1/4	3,843.72	1/4	3,624.37	1/4	3,340.18	1/4	2,983.86	1/4	2,627.05	1/4	2,269.98
1/2	1/2	1/2	1/2	1/2	4,276.66	1/2	4,057.91	1/2	3,839.16	1/2	3,619.80	1/2	3,332.78	1/2	2,976.42	1/2	2,619.61	1/2	2,262.54
3/4	3/4	3/4	3/4	3/4	4,272.10	3/4	4,053.35	3/4	3,834.59	3/4	3,615.23	3/4	3,325.37	3/4	2,968.99	3/4	2,612.18	3/4	2,255.10
5	5	5	5	5	4,267.54	5	4,048.79	5	3,830.02	5	3,610.66	5	3,317.97	5	2,961.56	5	2,604.74	5	2,247.65
1/4	1/4	1/4	1/4	1/4	4,262.99	1/4	4,044.24	1/4	3,825.45	1/4	3,606.09	1/4	3,310.56	1/4	2,954.12	1/4	2,597.31	1/4	2,240.21
1/2	1/2	1/2	1/2	1/2	4,467.75	1/2	4,258.43	1/2	4,039.68	1/2	3,820.88	1/2	3,601.52	1/2	3,303.16	1/2	2,946.69	1/2	2,589.88
3/4	3/4	3/4	3/4	3/4	4,464.57	3/4	4,253.87	3/4	4,035.12	3/4	3,816.31	3/4	3,596.95	3/4	3,295.75	3/4	2,939.26	3/4	2,582.44
6	6	6	6	6	4,461.39	6	4,249.32	6	4,030.57	6	3,811.74	6	3,592.38	6	3,288.35	6	2,931.82	6	2,575.01
1/4	1/4	1/4	1/4	1/4	4,458.21	1/4	4,244.76	1/4	4,026.01	1/4	3,807.17	1/4	3,587.81	1/4	3,280.94	1/4	2,924.39	1/4	2,567.57
1/2	1/2	1/2	1/2	1/2	4,455.03	1/2	4,240.20	1/2	4,021.45	1/2	3,802.60	1/2	3,583.24	1/2	3,273.54	1/2	2,916.96	1/2	2,560.14
3/4	3/4	3/4	3/4	3/4	4,451.09	3/4	4,235.64	3/4	4,016.89	3/4	3,798.03	3/4	3,578.67	3/4	3,266.13	3/4	2,909.52	3/4	2,552.71
7	7	7	7	7	4,447.14	7	4,231.09	7	4,012.34	7	3,793.46	7	3,574.10	7	3,258.73	7	2,902.09	7	2,545.27
1/4	1/4	1/4	1/4	1/4	4,443.20	1/4	4,226.53	1/4	4,007.78	1/4	3,788.89	1/4	3,569.53	1/4	3,251.32	1/4	2,894.66	1/4	2,537.84
1/2	1/2	1/2	1/2	1/2	4,439.26	1/2	4,221.97	1/2	4,003.22	1/2	3,784.32	1/2	3,564.96	1/2	3,243.92	1/2	2,887.22	1/2	2,530.40
3/4	3/4	3/4	3/4	3/4	4,434.79	3/4	4,217.41	3/4	3,998.66	3/4	3,779.75	3/4	3,560.16	3/4	3,236.51	3/4	2,879.79	3/4	2,522.97
8	8	8	8	8	4,430.32	8	4,212.86	8	3,994.11	8	3,775.18	8	3,555.35	8	3,229.11	8	2,872.35	8	2,515.53
1/4	1/4	1/4	1/4	1/4	4,425.85	1/4	4,208.30	1/4	3,989.55	1/4	3,770.61	1/4	3,550.54	1/4	3,221.70	1/4	2,864.92	1/4	2,508.10
1/2	1/2	1/2	1/2	1/2	4,421.38	1/2	4,203.74	1/2	3,984.99	1/2	3,766.04	1/2	3,545.73	1/2	3,214.30	1/2	2,857.49	1/2	2,500.67
3/4	3/4	3/4	3/4	3/4	4,416.88	3/4	4,199.19	3/4	3,980.44	3/4	3,761.47	3/4	3,540.48	3/4	3,206.86	3/4	2,850.05	3/4	2,493.23
9	9	9	9	9	4,412.37	9	4,194.63	9	3,975.88	9	3,756.90	9	3,535.23	9	3,199.43	9	2,842.62	9	2,485.80
1/4	1/4	1/4	1/4	1/4	4,407.87	1/4	4,190.07	1/4	3,971.32	1/4	3,752.33	1/4	3,529.98	1/4	3,192.00	1/4	2,835.19	1/4	2,478.36
1/2	1/2	1/2	1/2	1/2	4,403.36	1/2	4,185.51	1/2	3,966.76	1/2	3,747.76	1/2	3,524.72	1/2	3,184.56	1/2	2,827.75	1/2	2,470.93
3/4	3/4	3/4	3/4	3/4	4,398.85	3/4	4,180.96	3/4	3,962.21	3/4	3,743.19	3/4	3,519.00	3/4	3,177.13	3/4	2,820.32	3/4	2,463.49
10	10	10	10	10	4,394.34	10	4,176.40	10	3,957.65	10	3,738.62	10	3,513.27	10	3,169.69	10	2,812.89	10	2,456.06
1/4	1/4	1/4	1/4	1/4	4,389.83	1/4	4,171.84	1/4	3,953.09	1/4	3,734.05	1/4	3,507.54	1/4	3,162.26	1/4	2,805.45	1/4	2,448.63
1/2	1/2	1/2	1/2	1/2	4,385.31	1/2	4,167.28	1/2	3,948.53	1/2	3,729.48	1/2	3,501.81	1/2	3,154.83	1/2	2,798.02	1/2	2,441.19
3/4	3/4	3/4	3/4	3/4	4,380.80	3/4	4,162.73	3/4	3,943.98	3/4	3,724.91	3/4	3,495.60	3/4	3,147.39	3/4	2,790.59	3/4	2,433.75
11	11	11	11	11	4,376.29	11	4,158.17	11	3,939.42	11	3,720.34	11	3,489.39	11	3,139.96	11	2,783.15	11	2,426.30
1/4	1/4	1/4	1/4	1/4	4,371.77	1/4	4,153.61	1/4	3,934.86	1/4	3,715.77	1/4	3,483.18	1/4	3,132.53	1/4	2,775.72	1/4	2,418.86
1/2	1/2	1/2	1/2	1/2	4,367.26	1/2	4,149.06	1/2	3,930.30	1/2	3,711.20	1/2	3,476.97	1/2	3,125.09	1/2	2,768.29	1/2	2,411.42
3/4	3/4	3/4	3/4	3/4	4,362.75	3/4	4,144.50	3/4	3,925.75	3/4	3,706.63	3/4	3,470.29	3/4	3,117.66	3/4	2,760.85	3/4	2,403.97

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 "E2MS 312"

3 STBD

ULLAGE TABLE
HERMETIC

GAUGE HEIGHT 15'-08 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	2,031.78	1/4	1,674.48	1/4	1,317.18	1/4	960.20	1/4	603.10	1/4	245.80	1/4		1/4		1/4		1/4		1/4	
1/2	2,024.34	1/2	1,667.04	1/2	1,309.73	1/2	952.77	1/2	595.65	1/2	238.36	1/2		1/2		1/2		1/2		1/2	
3/4	2,016.90	3/4	1,659.59	3/4	1,302.29	3/4	945.34	3/4	588.21	3/4	230.92	3/4		3/4		3/4		3/4		3/4	
1	2,009.45	1	1,652.15	1	1,294.85	1	937.91	1	580.77	1	223.47	1		1		1		1		1	
1/4	2,002.01	1/4	1,644.71	1/4	1,287.40	1/4	930.48	1/4	573.32	1/4	216.03	1/4		1/4		1/4		1/4		1/4	
1/2	1,994.56	1/2	1,637.26	1/2	1,279.96	1/2	923.05	1/2	565.88	1/2	208.59	1/2		1/2		1/2		1/2		1/2	
3/4	1,987.12	3/4	1,629.82	3/4	1,272.52	3/4	915.63	3/4	558.43	3/4	201.14	3/4		3/4		3/4		3/4		3/4	
2	1,979.68	2	1,622.37	2	1,265.07	2	908.20	2	550.99	2	193.70	2		2		2		2		2	
1/4	1,972.23	1/4	1,614.93	1/4	1,257.63	1/4	900.77	1/4	543.55	1/4	186.25	1/4		1/4		1/4		1/4		1/4	
1/2	1,964.79	1/2	1,607.49	1/2	1,250.18	1/2	893.34	1/2	536.10	1/2	178.81	1/2		1/2		1/2		1/2		1/2	
3/4	1,957.35	3/4	1,600.04	3/4	1,242.74	3/4	885.91	3/4	528.66	3/4	171.37	3/4		3/4		3/4		3/4		3/4	
3	1,949.90	3	1,592.60	3	1,235.30	3	878.48	3	521.22	3	163.92	3		3		3		3		3	
1/4	1,942.46	1/4	1,585.16	1/4	1,227.85	1/4	871.05	1/4	513.77	1/4	156.48	1/4		1/4		1/4		1/4		1/4	
1/2	1,935.01	1/2	1,577.71	1/2	1,220.41	1/2	863.62	1/2	506.33	1/2	149.04	1/2		1/2		1/2		1/2		1/2	
3/4	1,927.57	3/4	1,570.27	3/4	1,212.97	3/4	856.18	3/4	498.89	3/4	141.59	3/4		3/4		3/4		3/4		3/4	
4	1,920.13	4	1,562.82	4	1,205.52	4	848.73	4	491.44	4	134.15	4		4		4		4		4	
1/4	1,912.68	1/4	1,555.38	1/4	1,198.08	1/4	841.29	1/4	484.00	1/4	126.71	1/4		1/4		1/4		1/4		1/4	
1/2	1,905.24	1/2	1,547.94	1/2	1,190.63	1/2	833.85	1/2	476.55	1/2	119.27	1/2		1/2		1/2		1/2		1/2	
3/4	1,897.79	3/4	1,540.49	3/4	1,183.19	3/4	826.40	3/4	469.11	3/4	111.83	3/4		3/4		3/4		3/4		3/4	
5	1,890.35	5	1,533.05	5	1,175.75	5	818.96	5	461.67	5	104.40	5		5		5		5		5	
1/4	1,882.91	1/4	1,525.60	1/4	1,168.30	1/4	811.52	1/4	454.22	1/4	96.97	1/4		1/4		1/4		1/4		1/4	
1/2	1,875.46	1/2	1,518.16	1/2	1,160.86	1/2	804.07	1/2	446.78	1/2	89.54	1/2		1/2		1/2		1/2		1/2	
3/4	1,868.02	3/4	1,510.72	3/4	1,153.42	3/4	796.63	3/4	439.34	3/4	82.13	3/4		3/4		3/4		3/4		3/4	
6	1,860.58	6	1,503.27	6	1,145.98	6	789.19	6	431.89	6	74.72	6		6		6		6		6	
1/4	1,853.13	1/4	1,495.83	1/4	1,138.54	1/4	781.74	1/4	424.45	1/4	67.31	1/4		1/4		1/4		1/4		1/4	
1/2	1,845.69	1/2	1,488.39	1/2	1,131.11	1/2	774.30	1/2	417.01	1/2	59.91	1/2		1/2		1/2		1/2		1/2	
3/4	1,838.24	3/4	1,480.94	3/4	1,123.67	3/4	766.86	3/4	409.56	3/4	53.40	3/4		3/4		3/4		3/4		3/4	
7	1,830.80	7	1,473.50	7	1,116.23	7	759.41	7	402.12	7	46.88	7		7		7		7		7	
1/4	1,823.36	1/4	1,466.05	1/4	1,108.79	1/4	751.97	1/4	394.68	1/4	40.37	1/4		1/4		1/4		1/4		1/4	
1/2	1,815.91	1/2	1,458.61	1/2	1,101.35	1/2	744.52	1/2	387.23	1/2	33.86	1/2		1/2		1/2		1/2		1/2	
3/4	1,808.47	3/4	1,451.17	3/4	1,093.92	3/4	737.08	3/4	379.79	3/4	29.21	3/4		3/4		3/4		3/4		3/4	
8	1,801.03	8	1,443.72	8	1,086.49	8	729.64	8	372.34	8	24.56	8		8		8		8		8	
1/4	1,793.58	1/4	1,436.28	1/4	1,079.07	1/4	722.19	1/4	364.90	1/4	19.90	1/4		1/4		1/4		1/4		1/4	
1/2	1,786.14	1/2	1,428.84	1/2	1,071.64	1/2	714.75	1/2	357.46	1/2	15.25	1/2		1/2		1/2		1/2		1/2	
3/4	1,778.69	3/4	1,421.39	3/4	1,064.21	3/4	707.31	3/4	350.01	3/4		3/4		3/4		3/4		3/4		3/4	
9	1,771.25	9	1,413.95	9	1,056.78	9	699.86	9	342.57	9		9		9		9		9		9	
1/4	1,763.81	1/4	1,406.50	1/4	1,049.35	1/4	692.42	1/4	335.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,756.36	1/2	1,399.06	1/2	1,041.92	1/2	684.98	1/2	327.68	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,748.92	3/4	1,391.62	3/4	1,034.49	3/4	677.53	3/4	320.24	3/4		3/4		3/4		3/4		3/4		3/4	
10	1,741.48	10	1,384.17	10	1,027.06	10	670.09	10	312.80	10		10		10		10		10		10	
1/4	1,734.03	1/4	1,376.73	1/4	1,019.63	1/4	662.64	1/4	305.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,726.59	1/2	1,369.29	1/2	1,012.20	1/2	655.20	1/2	297.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,719.14	3/4	1,361.84	3/4	1,004.77	3/4	647.76	3/4	290.46	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,711.70	11	1,354.40	11	997.35	11	640.31	11	283.02	11		11		11		11		11		11	
1/4	1,704.26	1/4	1,346.95	1/4	989.92	1/4	632.87	1/4	275.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,696.81	1/2	1,339.51	1/2	982.49	1/2	625.43	1/2	268.13	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,689.37	3/4	1,332.07	3/4	975.06	3/4	617.98	3/4	260.69	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/21/2018 CL
CALCULATED: 01/07/2019 CL
PRINTED: 01/07/2019 CL

PRECISION MEASUREMENT
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CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2019