



BARGE "CTC 29100"

INNAGE (HERMETIC)
FORMERLY: E2MS 318

	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	- 00-1/8	00-1/8	- 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	- 00-1/8	00-1/8	- 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	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4
2 STBD	- 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	- 00-1/4	00-1/4
3 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
3 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 235'-09"

March 9, 2020

**PRECISION MEASUREMENT
& ANALYSIS, INC.**
 P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29100"

1 PORT INNAGE TABLE

HERMETIC GAUGE HEIGHT 15'-09 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: E2MS 318

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	15.30	0	303.95	0	653.78	0	1,010.39	0	1,368.17	0	1,726.64	0	2,085.11	0	2,443.58	0	2,801.99	0	3,160.35
1/4	18.35	1/4	310.85	1/4	661.25	1/4	1,017.80	1/4	1,375.64	1/4	1,734.11	1/4	2,092.58	1/4	2,451.05	1/4	2,809.45	1/4	3,167.82
1/2	21.39	1/2	317.75	1/2	668.72	1/2	1,025.21	1/2	1,383.11	1/2	1,741.58	1/2	2,100.05	1/2	2,458.52	1/2	2,816.92	1/2	3,175.28
3/4	24.44	3/4	324.65	3/4	676.19	3/4	1,032.62	3/4	1,390.58	3/4	1,749.05	3/4	2,107.52	3/4	2,465.98	3/4	2,824.38	3/4	3,182.75
1	27.49	1	331.55	1	683.66	1	1,040.03	1	1,398.05	1	1,756.51	1	2,114.98	1	2,473.45	1	2,831.85	1	3,190.21
1/4	32.49	1/4	338.53	1/4	691.12	1/4	1,047.45	1/4	1,405.51	1/4	1,763.98	1/4	2,122.45	1/4	2,480.92	1/4	2,839.32	1/4	3,197.68
1/2	37.49	1/2	345.52	1/2	698.59	1/2	1,054.87	1/2	1,412.98	1/2	1,771.45	1/2	2,129.92	1/2	2,488.39	1/2	2,846.78	1/2	3,205.15
3/4	42.49	3/4	352.50	3/4	706.06	3/4	1,062.28	3/4	1,420.45	3/4	1,778.92	3/4	2,137.39	3/4	2,495.86	3/4	2,854.25	3/4	3,212.61
2	47.49	2	359.49	2	713.53	2	1,069.70	2	1,427.92	2	1,786.39	2	2,144.86	2	2,503.32	2	2,861.71	2	3,220.08
1/4	53.47	1/4	366.56	1/4	720.99	1/4	1,077.14	1/4	1,435.39	1/4	1,793.85	1/4	2,152.32	1/4	2,510.79	1/4	2,869.18	1/4	3,227.54
1/2	59.46	1/2	373.64	1/2	728.46	1/2	1,084.57	1/2	1,442.85	1/2	1,801.32	1/2	2,159.79	1/2	2,518.26	1/2	2,876.65	1/2	3,235.01
3/4	65.44	3/4	380.71	3/4	735.93	3/4	1,092.01	3/4	1,450.32	3/4	1,808.79	3/4	2,167.26	3/4	2,525.73	3/4	2,884.11	3/4	3,242.47
3	71.43	3	387.79	3	743.40	3	1,099.45	3	1,457.79	3	1,816.26	3	2,174.73	3	2,533.20	3	2,891.58	3	3,249.94
1/4	77.53	1/4	394.95	1/4	750.87	1/4	1,106.88	1/4	1,465.26	1/4	1,823.73	1/4	2,182.20	1/4	2,540.66	1/4	2,899.04	1/4	3,257.41
1/2	83.63	1/2	402.11	1/2	758.33	1/2	1,114.32	1/2	1,472.73	1/2	1,831.20	1/2	2,189.66	1/2	2,548.13	1/2	2,906.51	1/2	3,264.87
3/4	89.73	3/4	409.27	3/4	765.80	3/4	1,121.76	3/4	1,480.19	3/4	1,838.66	3/4	2,197.13	3/4	2,555.60	3/4	2,913.98	3/4	3,272.34
4	95.83	4	416.43	4	773.27	4	1,129.19	4	1,487.66	4	1,846.13	4	2,204.60	4	2,563.07	4	2,921.44	4	3,279.80
1/4	102.02	1/4	423.68	1/4	780.69	1/4	1,136.66	1/4	1,495.13	1/4	1,853.60	1/4	2,212.07	1/4	2,570.54	1/4	2,928.91	1/4	3,287.27
1/2	108.22	1/2	430.93	1/2	788.10	1/2	1,144.13	1/2	1,502.60	1/2	1,861.07	1/2	2,219.54	1/2	2,578.01	1/2	2,936.37	1/2	3,294.74
3/4	114.41	3/4	438.18	3/4	795.52	3/4	1,151.60	3/4	1,510.07	3/4	1,868.54	3/4	2,227.00	3/4	2,585.47	3/4	2,943.84	3/4	3,302.20
5	120.61	5	445.43	5	802.94	5	1,159.07	5	1,517.54	5	1,876.00	5	2,234.47	5	2,592.94	5	2,951.30	5	3,309.67
1/4	126.90	1/4	452.76	1/4	810.35	1/4	1,166.53	1/4	1,525.00	1/4	1,883.47	1/4	2,241.94	1/4	2,600.41	1/4	2,958.77	1/4	3,317.13
1/2	133.18	1/2	460.10	1/2	817.76	1/2	1,174.00	1/2	1,532.47	1/2	1,890.94	1/2	2,249.41	1/2	2,607.87	1/2	2,966.24	1/2	3,324.60
3/4	139.47	3/4	467.44	3/4	825.17	3/4	1,181.47	3/4	1,539.94	3/4	1,898.41	3/4	2,256.88	3/4	2,615.34	3/4	2,973.70	3/4	3,332.07
6	145.75	6	474.77	6	832.58	6	1,188.94	6	1,547.41	6	1,905.88	6	2,264.35	6	2,622.81	6	2,981.17	6	3,339.53
1/4	152.12	1/4	482.20	1/4	839.98	1/4	1,196.41	1/4	1,554.88	1/4	1,913.34	1/4	2,271.81	1/4	2,630.27	1/4	2,988.63	1/4	3,347.00
1/2	158.50	1/2	489.62	1/2	847.39	1/2	1,203.87	1/2	1,562.34	1/2	1,920.81	1/2	2,279.28	1/2	2,637.74	1/2	2,996.10	1/2	3,354.46
3/4	164.87	3/4	497.04	3/4	854.80	3/4	1,211.34	3/4	1,569.81	3/4	1,928.28	3/4	2,286.75	3/4	2,645.20	3/4	3,003.57	3/4	3,361.93
7	171.24	7	504.47	7	862.21	7	1,218.81	7	1,577.28	7	1,935.75	7	2,294.22	7	2,652.67	7	3,011.03	7	3,369.40
1/4	177.70	1/4	511.94	1/4	869.62	1/4	1,226.28	1/4	1,584.75	1/4	1,943.22	1/4	2,301.69	1/4	2,660.13	1/4	3,018.50	1/4	3,376.86
1/2	184.16	1/2	519.40	1/2	877.03	1/2	1,233.75	1/2	1,592.22	1/2	1,950.68	1/2	2,309.15	1/2	2,667.60	1/2	3,025.96	1/2	3,384.33
3/4	190.62	3/4	526.87	3/4	884.44	3/4	1,241.22	3/4	1,599.68	3/4	1,958.15	3/4	2,316.62	3/4	2,675.07	3/4	3,033.43	3/4	3,391.79
8	197.08	8	534.34	8	891.85	8	1,248.68	8	1,607.15	8	1,965.62	8	2,324.09	8	2,682.53	8	3,040.90	8	3,399.26
1/4	203.63	1/4	541.80	1/4	899.26	1/4	1,256.15	1/4	1,614.62	1/4	1,973.09	1/4	2,331.56	1/4	2,690.00	1/4	3,048.36	1/4	3,406.72
1/2	210.18	1/2	549.27	1/2	906.67	1/2	1,263.62	1/2	1,622.09	1/2	1,980.56	1/2	2,339.03	1/2	2,697.46	1/2	3,055.83	1/2	3,414.19
3/4	216.73	3/4	556.73	3/4	914.08	3/4	1,271.09	3/4	1,629.56	3/4	1,988.03	3/4	2,346.49	3/4	2,704.93	3/4	3,063.29	3/4	3,421.66
9	223.27	9	564.19	9	921.49	9	1,278.56	9	1,637.02	9	1,995.49	9	2,353.96	9	2,712.40	9	3,070.76	9	3,429.12
1/4	229.91	1/4	571.65	1/4	928.89	1/4	1,286.02	1/4	1,644.49	1/4	2,002.96	1/4	2,361.43	1/4	2,719.86	1/4	3,078.23	1/4	3,436.59
1/2	236.55	1/2	579.12	1/2	936.30	1/2	1,293.49	1/2	1,651.96	1/2	2,010.43	1/2	2,368.90	1/2	2,727.33	1/2	3,085.69	1/2	3,444.05
3/4	243.18	3/4	586.58	3/4	943.71	3/4	1,300.96	3/4	1,659.43	3/4	2,017.90	3/4	2,376.37	3/4	2,734.79	3/4	3,093.16	3/4	3,451.52
10	249.82	10	594.04	10	951.12	10	1,308.43	10	1,666.90	10	2,025.37	10	2,383.83	10	2,742.26	10	3,100.62	10	3,458.99
1/4	256.54	1/4	601.51	1/4	958.53	1/4	1,315.90	1/4	1,674.37	1/4	2,032.83	1/4	2,391.30	1/4	2,749.73	1/4	3,108.09	1/4	3,466.45
1/2	263.26	1/2	608.98	1/2	965.94	1/2	1,323.36	1/2	1,681.83	1/2	2,040.30	1/2	2,398.77	1/2	2,757.19	1/2	3,115.55	1/2	3,473.92
3/4	269.99	3/4	616.44	3/4	973.35	3/4	1,330.83	3/4	1,689.30	3/4	2,047.77	3/4	2,406.24	3/4	2,764.66	3/4	3,123.02	3/4	3,481.38
11	276.71	11	623.91	11	980.76	11	1,338.30	11	1,696.77	11	2,055.24	11	2,413.71	11	2,772.12	11	3,130.49	11	3,488.85
1/4	283.52	1/4	631.38	1/4	988.17	1/4	1,345.77	1/4	1,704.24	1/4	2,062.71	1/4	2,421.18	1/4	2,779.59	1/4	3,137.95	1/4	3,496.32
1/2	290.33	1/2	638.85	1/2	995.58	1/2	1,353.24	1/2	1,711.71	1/2	2,070.17	1/2	2,428.64	1/2	2,787.05	1/2	3,145.42	1/2	3,503.78
3/4	297.14	3/4	646.32	3/4	1,002.99	3/4	1,360.71	3/4	1,719.17	3/4	2,077.64	3/4	2,436.11	3/4	2,794.52	3/4	3,152.88	3/4	3,511.25

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "CTC 29100"

1 PORT

INNAGE TABLE HERMETIC

GAUGE HEIGHT 15'-09 1/4"

FORMERLY: E2MS 318

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	3,518.71	0	3,877.08	0	4,234.75	0	4,592.07	0	4,947.58	0		0		0		0		0	
1/4	3,526.18	1/4	3,884.54	1/4	4,242.19	1/4	4,599.52	1/4	4,954.88	1/4		1/4		1/4		1/4		1/4	
1/2	3,533.64	1/2	3,892.01	1/2	4,249.64	1/2	4,606.96	1/2	4,962.18	1/2		1/2		1/2		1/2		1/2	
3/4	3,541.11	3/4	3,899.47	3/4	4,257.08	3/4	4,614.41	3/4	4,969.49	3/4		3/4		3/4		3/4		3/4	
1	3,548.58	1	3,906.94	1	4,264.53	1	4,621.85	1	4,976.79	1		1		1		1		1	
1/4	3,556.04	1/4	3,914.41	1/4	4,271.97	1/4	4,629.30	1/4	4,983.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,563.51	1/2	3,921.87	1/2	4,279.41	1/2	4,636.74	1/2	4,989.66	1/2		1/2		1/2		1/2		1/2	
3/4	3,570.97	3/4	3,929.34	3/4	4,286.86	3/4	4,644.18	3/4	4,996.10	3/4		3/4		3/4		3/4		3/4	
2	3,578.44	2	3,936.80	2	4,294.30	2	4,651.63	2	5,002.54	2		2		2		2		2	
1/4	3,585.91	1/4	3,944.27	1/4	4,301.75	1/4	4,659.07	1/4	5,007.74	1/4		1/4		1/4		1/4		1/4	
1/2	3,593.37	1/2	3,951.74	1/2	4,309.19	1/2	4,666.52	1/2	5,012.93	1/2		1/2		1/2		1/2		1/2	
3/4	3,600.84	3/4	3,959.20	3/4	4,316.64	3/4	4,673.96	3/4	5,018.13	3/4		3/4		3/4		3/4		3/4	
3	3,608.30	3	3,966.67	3	4,324.08	3	4,681.41	3	5,023.32	3		3		3		3		3	
1/4	3,615.77	1/4	3,974.13	1/4	4,331.52	1/4	4,688.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,623.24	1/2	3,981.60	1/2	4,338.97	1/2	4,696.29	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,630.70	3/4	3,989.06	3/4	4,346.41	3/4	4,703.74	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,638.17	4	3,996.53	4	4,353.86	4	4,711.18	4		4		4		4		4		4	
1/4	3,645.63	1/4	4,003.98	1/4	4,361.30	1/4	4,718.63	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,653.10	1/2	4,011.42	1/2	4,368.75	1/2	4,726.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,660.57	3/4	4,018.86	3/4	4,376.19	3/4	4,733.52	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,668.03	5	4,026.31	5	4,383.63	5	4,740.96	5		5		5		5		5		5	
1/4	3,675.50	1/4	4,033.75	1/4	4,391.08	1/4	4,748.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,682.96	1/2	4,041.20	1/2	4,398.52	1/2	4,755.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,690.43	3/4	4,048.64	3/4	4,405.97	3/4	4,763.29	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,697.89	6	4,056.09	6	4,413.41	6	4,770.74	6		6		6		6		6		6	
1/4	3,705.36	1/4	4,063.53	1/4	4,420.86	1/4	4,778.11	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,712.83	1/2	4,070.97	1/2	4,428.30	1/2	4,785.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,720.29	3/4	4,078.42	3/4	4,435.74	3/4	4,792.85	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,727.76	7	4,085.86	7	4,443.19	7	4,800.22	7		7		7		7		7		7	
1/4	3,735.22	1/4	4,093.31	1/4	4,450.63	1/4	4,807.59	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,742.69	1/2	4,100.75	1/2	4,458.08	1/2	4,814.96	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,750.16	3/4	4,108.20	3/4	4,465.52	3/4	4,822.33	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,757.62	8	4,115.64	8	4,472.97	8	4,829.70	8		8		8		8		8		8	
1/4	3,765.09	1/4	4,123.08	1/4	4,480.41	1/4	4,837.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,772.55	1/2	4,130.53	1/2	4,487.85	1/2	4,844.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,780.02	3/4	4,137.97	3/4	4,495.30	3/4	4,851.81	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,787.49	9	4,145.42	9	4,502.74	9	4,859.18	9		9		9		9		9		9	
1/4	3,794.95	1/4	4,152.86	1/4	4,510.19	1/4	4,866.56	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,802.42	1/2	4,160.31	1/2	4,517.63	1/2	4,873.93	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,809.88	3/4	4,167.75	3/4	4,525.08	3/4	4,881.30	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,817.35	10	4,175.19	10	4,532.52	10	4,888.67	10		10		10		10		10		10	
1/4	3,824.82	1/4	4,182.64	1/4	4,539.96	1/4	4,896.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,832.28	1/2	4,190.08	1/2	4,547.41	1/2	4,903.41	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,839.75	3/4	4,197.53	3/4	4,554.85	3/4	4,910.78	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,847.21	11	4,204.97	11	4,562.30	11	4,918.15	11		11		11		11		11		11	
1/4	3,854.68	1/4	4,212.42	1/4	4,569.74	1/4	4,925.51	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,862.14	1/2	4,219.86	1/2	4,577.19	1/2	4,932.86	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,869.61	3/4	4,227.30	3/4	4,584.63	3/4	4,940.22	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/09/2020 JS
CALCULATED: 03/10/2020 CL
PRINTED: 03/11/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2020

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



BARGE "CTC 29100"

1 STBD INNAGE TABLE

HERMETIC GAUGE HEIGHT 15'-09 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: E2MS 318

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	15.27	0	303.22	0	652.27	0	1,009.50	0	1,367.02	0	1,724.64	0	2,082.27	0	2,439.89	0	2,797.46	0	3,154.99
1/4	18.30	1/4	310.10	1/4	659.72	1/4	1,016.93	1/4	1,374.47	1/4	1,732.09	1/4	2,089.72	1/4	2,447.34	1/4	2,804.91	1/4	3,162.43
1/2	21.34	1/2	316.98	1/2	667.17	1/2	1,024.37	1/2	1,381.92	1/2	1,739.54	1/2	2,097.17	1/2	2,454.79	1/2	2,812.35	1/2	3,169.88
3/4	24.38	3/4	323.86	3/4	674.62	3/4	1,031.81	3/4	1,389.37	3/4	1,746.99	3/4	2,104.62	3/4	2,462.24	3/4	2,819.80	3/4	3,177.33
1	27.42	1	330.74	1	682.07	1	1,039.24	1	1,396.82	1	1,754.44	1	2,112.07	1	2,469.69	1	2,827.25	1	3,184.78
1/4	32.41	1/4	337.71	1/4	689.52	1/4	1,046.69	1/4	1,404.27	1/4	1,761.89	1/4	2,119.52	1/4	2,477.14	1/4	2,834.70	1/4	3,192.23
1/2	37.39	1/2	344.68	1/2	696.97	1/2	1,054.13	1/2	1,411.72	1/2	1,769.34	1/2	2,126.97	1/2	2,484.59	1/2	2,842.15	1/2	3,199.68
3/4	42.38	3/4	351.65	3/4	704.42	3/4	1,061.58	3/4	1,419.17	3/4	1,776.80	3/4	2,134.42	3/4	2,492.04	3/4	2,849.60	3/4	3,207.13
2	47.37	2	358.62	2	711.87	2	1,069.02	2	1,426.62	2	1,784.25	2	2,141.87	2	2,499.49	2	2,857.05	2	3,214.57
1/4	53.34	1/4	365.68	1/4	719.32	1/4	1,076.47	1/4	1,434.07	1/4	1,791.70	1/4	2,149.32	1/4	2,506.94	1/4	2,864.49	1/4	3,222.02
1/2	59.31	1/2	372.73	1/2	726.77	1/2	1,083.91	1/2	1,441.52	1/2	1,799.15	1/2	2,156.77	1/2	2,514.39	1/2	2,871.94	1/2	3,229.47
3/4	65.28	3/4	379.79	3/4	734.22	3/4	1,091.36	3/4	1,448.97	3/4	1,806.60	3/4	2,164.22	3/4	2,521.85	3/4	2,879.39	3/4	3,236.92
3	71.25	3	386.85	3	741.67	3	1,098.80	3	1,456.42	3	1,814.05	3	2,171.67	3	2,529.30	3	2,886.84	3	3,244.37
1/4	77.34	1/4	393.99	1/4	749.12	1/4	1,106.25	1/4	1,463.87	1/4	1,821.50	1/4	2,179.12	1/4	2,536.75	1/4	2,894.29	1/4	3,251.82
1/2	83.42	1/2	401.14	1/2	756.57	1/2	1,113.70	1/2	1,471.32	1/2	1,828.95	1/2	2,186.57	1/2	2,544.20	1/2	2,901.74	1/2	3,259.26
3/4	89.51	3/4	408.28	3/4	764.02	3/4	1,121.15	3/4	1,478.78	3/4	1,836.40	3/4	2,194.02	3/4	2,551.65	3/4	2,909.19	3/4	3,266.71
4	95.59	4	415.43	4	771.48	4	1,128.60	4	1,486.23	4	1,843.85	4	2,201.47	4	2,559.10	4	2,916.63	4	3,274.16
1/4	101.77	1/4	422.66	1/4	778.93	1/4	1,136.05	1/4	1,493.68	1/4	1,851.30	1/4	2,208.92	1/4	2,566.55	1/4	2,924.08	1/4	3,281.61
1/2	107.95	1/2	429.89	1/2	786.38	1/2	1,143.50	1/2	1,501.13	1/2	1,858.75	1/2	2,216.37	1/2	2,574.00	1/2	2,931.53	1/2	3,289.06
3/4	114.13	3/4	437.12	3/4	793.83	3/4	1,150.95	3/4	1,508.58	3/4	1,866.20	3/4	2,223.83	3/4	2,581.45	3/4	2,938.98	3/4	3,296.51
5	120.31	5	444.35	5	801.28	5	1,158.40	5	1,516.03	5	1,873.65	5	2,231.28	5	2,588.90	5	2,946.43	5	3,303.96
1/4	126.58	1/4	451.67	1/4	808.71	1/4	1,165.85	1/4	1,523.48	1/4	1,881.10	1/4	2,238.73	1/4	2,596.35	1/4	2,953.88	1/4	3,311.40
1/2	132.85	1/2	458.99	1/2	816.15	1/2	1,173.30	1/2	1,530.93	1/2	1,888.55	1/2	2,246.18	1/2	2,603.80	1/2	2,961.32	1/2	3,318.85
3/4	139.12	3/4	466.31	3/4	823.59	3/4	1,180.76	3/4	1,538.38	3/4	1,896.00	3/4	2,253.63	3/4	2,611.25	3/4	2,968.77	3/4	3,326.30
6	145.39	6	473.63	6	831.02	6	1,188.21	6	1,545.83	6	1,903.45	6	2,261.08	6	2,618.69	6	2,976.22	6	3,333.75
1/4	151.75	1/4	481.04	1/4	838.46	1/4	1,195.66	1/4	1,553.28	1/4	1,910.90	1/4	2,268.53	1/4	2,626.14	1/4	2,983.67	1/4	3,341.20
1/2	158.11	1/2	488.44	1/2	845.90	1/2	1,203.11	1/2	1,560.73	1/2	1,918.35	1/2	2,275.98	1/2	2,633.59	1/2	2,991.12	1/2	3,348.65
3/4	164.47	3/4	495.85	3/4	853.33	3/4	1,210.56	3/4	1,568.18	3/4	1,925.81	3/4	2,283.43	3/4	2,641.04	3/4	2,998.57	3/4	3,356.10
7	170.82	7	503.26	7	860.77	7	1,218.01	7	1,575.63	7	1,933.26	7	2,290.88	7	2,648.49	7	3,006.02	7	3,363.54
1/4	177.27	1/4	510.71	1/4	868.21	1/4	1,225.46	1/4	1,583.08	1/4	1,940.71	1/4	2,298.33	1/4	2,655.94	1/4	3,013.46	1/4	3,370.99
1/2	183.71	1/2	518.16	1/2	875.64	1/2	1,232.91	1/2	1,590.53	1/2	1,948.16	1/2	2,305.78	1/2	2,663.38	1/2	3,020.91	1/2	3,378.44
3/4	190.16	3/4	525.61	3/4	883.08	3/4	1,240.36	3/4	1,597.98	3/4	1,955.61	3/4	2,313.23	3/4	2,670.83	3/4	3,028.36	3/4	3,385.89
8	196.60	8	533.06	8	890.51	8	1,247.81	8	1,605.43	8	1,963.06	8	2,320.68	8	2,678.28	8	3,035.81	8	3,393.34
1/4	203.13	1/4	540.51	1/4	897.95	1/4	1,255.26	1/4	1,612.88	1/4	1,970.51	1/4	2,328.13	1/4	2,685.73	1/4	3,043.26	1/4	3,400.79
1/2	209.67	1/2	547.96	1/2	905.39	1/2	1,262.71	1/2	1,620.33	1/2	1,977.96	1/2	2,335.58	1/2	2,693.18	1/2	3,050.71	1/2	3,408.23
3/4	216.20	3/4	555.41	3/4	912.82	3/4	1,270.16	3/4	1,627.79	3/4	1,985.41	3/4	2,343.03	3/4	2,700.63	3/4	3,058.16	3/4	3,415.68
9	222.73	9	562.86	9	920.26	9	1,277.61	9	1,635.24	9	1,992.86	9	2,350.48	9	2,708.08	9	3,065.60	9	3,423.13
1/4	229.35	1/4	570.31	1/4	927.70	1/4	1,285.06	1/4	1,642.69	1/4	2,000.31	1/4	2,357.93	1/4	2,715.52	1/4	3,073.05	1/4	3,430.58
1/2	235.97	1/2	577.76	1/2	935.13	1/2	1,292.51	1/2	1,650.14	1/2	2,007.76	1/2	2,365.38	1/2	2,722.97	1/2	3,080.50	1/2	3,438.03
3/4	242.59	3/4	585.21	3/4	942.57	3/4	1,299.96	3/4	1,657.59	3/4	2,015.21	3/4	2,372.84	3/4	2,730.42	3/4	3,087.95	3/4	3,445.48
10	249.21	10	592.66	10	950.01	10	1,307.41	10	1,665.04	10	2,022.66	10	2,380.29	10	2,737.87	10	3,095.40	10	3,452.93
1/4	255.92	1/4	600.11	1/4	957.44	1/4	1,314.86	1/4	1,672.49	1/4	2,030.11	1/4	2,387.74	1/4	2,745.32	1/4	3,102.85	1/4	3,460.37
1/2	262.62	1/2	607.56	1/2	964.88	1/2	1,322.31	1/2	1,679.94	1/2	2,037.56	1/2	2,395.19	1/2	2,752.77	1/2	3,110.29	1/2	3,467.82
3/4	269.33	3/4	615.01	3/4	972.31	3/4	1,329.77	3/4	1,687.39	3/4	2,045.01	3/4	2,402.64	3/4	2,760.22	3/4	3,117.74	3/4	3,475.27
11	276.04	11	622.47	11	979.75	11	1,337.22	11	1,694.84	11	2,052.46	11	2,410.09	11	2,767.66	11	3,125.19	11	3,482.72
1/4	282.83	1/4	629.92	1/4	987.19	1/4	1,344.67	1/4	1,702.29	1/4	2,059.91	1/4	2,417.54	1/4	2,775.11	1/4	3,132.64	1/4	3,490.17
1/2	289.63	1/2	637.37	1/2	994.62	1/2	1,352.12	1/2	1,709.74	1/2	2,067.36	1/2	2,424.99	1/2	2,782.56	1/2	3,140.09	1/2	3,497.62
3/4	296.42	3/4	644.82	3/4	1,002.06	3/4	1,359.57	3/4	1,717.19	3/4	2,074.82	3/4	2,432.44	3/4	2,790.01	3/4	3,147.54	3/4	3,505.07

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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



BARGE "CTC 29100"

1 STBD

INNAGE TABLE HERMETIC

GAUGE HEIGHT 15'-09 1/2"

FORMERLY: E2MS 318

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	3,512.51	0	3,870.04	0	4,226.87	0	4,583.34	0	4,938.00	0		0		0		0		0	
1/4	3,519.96	1/4	3,877.49	1/4	4,234.29	1/4	4,590.76	1/4	4,945.28	1/4		1/4		1/4		1/4		1/4	
1/2	3,527.41	1/2	3,884.94	1/2	4,241.72	1/2	4,598.19	1/2	4,952.57	1/2		1/2		1/2		1/2		1/2	
3/4	3,534.86	3/4	3,892.39	3/4	4,249.15	3/4	4,605.62	3/4	4,959.85	3/4		3/4		3/4		3/4		3/4	
1	3,542.31	1	3,899.84	1	4,256.57	1	4,613.04	1	4,967.14	1		1		1		1		1	
1/4	3,549.76	1/4	3,907.28	1/4	4,264.00	1/4	4,620.47	1/4	4,973.56	1/4		1/4		1/4		1/4		1/4	
1/2	3,557.20	1/2	3,914.73	1/2	4,271.42	1/2	4,627.90	1/2	4,979.98	1/2		1/2		1/2		1/2		1/2	
3/4	3,564.65	3/4	3,922.18	3/4	4,278.85	3/4	4,635.32	3/4	4,986.41	3/4		3/4		3/4		3/4		3/4	
2	3,572.10	2	3,929.63	2	4,286.28	2	4,642.75	2	4,992.83	2		2		2		2		2	
1/4	3,579.55	1/4	3,937.08	1/4	4,293.70	1/4	4,650.18	1/4	4,998.01	1/4		1/4		1/4		1/4		1/4	
1/2	3,587.00	1/2	3,944.53	1/2	4,301.13	1/2	4,657.60	1/2	5,003.20	1/2		1/2		1/2		1/2		1/2	
3/4	3,594.45	3/4	3,951.98	3/4	4,308.56	3/4	4,665.03	3/4	5,008.38	3/4		3/4		3/4		3/4		3/4	
3	3,601.90	3	3,959.42	3	4,315.98	3	4,672.46	3	5,013.56	3		3		3		3		3	
1/4	3,609.34	1/4	3,966.87	1/4	4,323.41	1/4	4,679.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,616.79	1/2	3,974.32	1/2	4,330.84	1/2	4,687.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,624.24	3/4	3,981.77	3/4	4,338.26	3/4	4,694.74	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,631.69	4	3,989.22	4	4,345.69	4	4,702.16	4		4		4		4		4		4	
1/4	3,639.14	1/4	3,996.64	1/4	4,353.12	1/4	4,709.59	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,646.59	1/2	4,004.07	1/2	4,360.54	1/2	4,717.01	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,654.04	3/4	4,011.50	3/4	4,367.97	3/4	4,724.44	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,661.48	5	4,018.92	5	4,375.40	5	4,731.87	5		5		5		5		5		5	
1/4	3,668.93	1/4	4,026.35	1/4	4,382.82	1/4	4,739.29	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,676.38	1/2	4,033.78	1/2	4,390.25	1/2	4,746.72	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,683.83	3/4	4,041.20	3/4	4,397.68	3/4	4,754.15	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,691.28	6	4,048.63	6	4,405.10	6	4,761.57	6		6		6		6		6		6	
1/4	3,698.73	1/4	4,056.06	1/4	4,412.53	1/4	4,768.93	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,706.17	1/2	4,063.48	1/2	4,419.95	1/2	4,776.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,713.62	3/4	4,070.91	3/4	4,427.38	3/4	4,783.63	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,721.07	7	4,078.34	7	4,434.81	7	4,790.99	7		7		7		7		7		7	
1/4	3,728.52	1/4	4,085.76	1/4	4,442.23	1/4	4,798.34	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,735.97	1/2	4,093.19	1/2	4,449.66	1/2	4,805.69	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,743.42	3/4	4,100.62	3/4	4,457.09	3/4	4,813.05	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,750.87	8	4,108.04	8	4,464.51	8	4,820.40	8		8		8		8		8		8	
1/4	3,758.31	1/4	4,115.47	1/4	4,471.94	1/4	4,827.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,765.76	1/2	4,122.89	1/2	4,479.37	1/2	4,835.11	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,773.21	3/4	4,130.32	3/4	4,486.79	3/4	4,842.46	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,780.66	9	4,137.75	9	4,494.22	9	4,849.81	9		9		9		9		9		9	
1/4	3,788.11	1/4	4,145.17	1/4	4,501.65	1/4	4,857.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,795.56	1/2	4,152.60	1/2	4,509.07	1/2	4,864.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,803.01	3/4	4,160.03	3/4	4,516.50	3/4	4,871.88	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,810.45	10	4,167.45	10	4,523.93	10	4,879.23	10		10		10		10		10		10	
1/4	3,817.90	1/4	4,174.88	1/4	4,531.35	1/4	4,886.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,825.35	1/2	4,182.31	1/2	4,538.78	1/2	4,893.93	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,832.80	3/4	4,189.73	3/4	4,546.21	3/4	4,901.29	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,840.25	11	4,197.16	11	4,553.63	11	4,908.64	11		11		11		11		11		11	
1/4	3,847.70	1/4	4,204.59	1/4	4,561.06	1/4	4,915.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,855.14	1/2	4,212.01	1/2	4,568.48	1/2	4,923.32	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,862.59	3/4	4,219.44	3/4	4,575.91	3/4	4,930.66	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/09/2020 JS
CALCULATED: 03/10/2020 CL
PRINTED: 03/11/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2020

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



BARGE "CTC 29100"

2 PORT INNAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: E2MS 318

GAUGE HEIGHT 15'-09"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	15.36	0	360.02	0	719.88	0	1,069.99	0	1,425.09	0	1,784.95	0	2,144.80	0	2,504.66	0	2,864.51	0	3,224.37
1/4	20.05	1/4	367.52	1/4	727.38	1/4	1,077.18	1/4	1,432.59	1/4	1,792.44	1/4	2,152.30	1/4	2,512.16	1/4	2,872.01	1/4	3,231.87
1/2	24.73	1/2	375.02	1/2	734.87	1/2	1,084.37	1/2	1,440.09	1/2	1,799.94	1/2	2,159.80	1/2	2,519.65	1/2	2,879.51	1/2	3,239.36
3/4	29.42	3/4	382.51	3/4	742.37	3/4	1,091.56	3/4	1,447.58	3/4	1,807.44	3/4	2,167.29	3/4	2,527.15	3/4	2,887.01	3/4	3,246.86
1	34.10	1	390.01	1	749.87	1	1,098.75	1	1,455.08	1	1,814.94	1	2,174.79	1	2,534.65	1	2,894.50	1	3,254.36
1/4	40.66	1/4	397.51	1/4	757.36	1/4	1,105.95	1/4	1,462.58	1/4	1,822.43	1/4	2,182.29	1/4	2,542.14	1/4	2,902.00	1/4	3,261.86
1/2	47.22	1/2	405.00	1/2	764.86	1/2	1,113.15	1/2	1,470.07	1/2	1,829.93	1/2	2,189.79	1/2	2,549.64	1/2	2,909.50	1/2	3,269.35
3/4	53.78	3/4	412.50	3/4	772.36	3/4	1,120.34	3/4	1,477.57	3/4	1,837.43	3/4	2,197.28	3/4	2,557.14	3/4	2,916.99	3/4	3,276.85
2	60.34	2	420.00	2	779.85	2	1,127.54	2	1,485.07	2	1,844.92	2	2,204.78	2	2,564.64	2	2,924.49	2	3,284.35
1/4	67.80	1/4	427.50	1/4	787.35	1/4	1,134.74	1/4	1,492.56	1/4	1,852.42	1/4	2,212.28	1/4	2,572.13	1/4	2,931.99	1/4	3,291.84
1/2	75.26	1/2	434.99	1/2	794.85	1/2	1,141.94	1/2	1,500.06	1/2	1,859.92	1/2	2,219.77	1/2	2,579.63	1/2	2,939.48	1/2	3,299.34
3/4	82.72	3/4	442.49	3/4	802.35	3/4	1,149.13	3/4	1,507.56	3/4	1,867.41	3/4	2,227.27	3/4	2,587.13	3/4	2,946.98	3/4	3,306.84
3	90.18	3	449.99	3	809.84	3	1,156.33	3	1,515.06	3	1,874.91	3	2,234.77	3	2,594.62	3	2,954.48	3	3,314.33
1/4	97.66	1/4	457.48	1/4	817.34	1/4	1,163.55	1/4	1,522.55	1/4	1,882.41	1/4	2,242.26	1/4	2,602.12	1/4	2,961.98	1/4	3,321.83
1/2	105.15	1/2	464.98	1/2	824.84	1/2	1,170.76	1/2	1,530.05	1/2	1,889.91	1/2	2,249.76	1/2	2,609.62	1/2	2,969.47	1/2	3,329.33
3/4	112.64	3/4	472.48	3/4	832.33	3/4	1,177.97	3/4	1,537.55	3/4	1,897.40	3/4	2,257.26	3/4	2,617.11	3/4	2,976.97	3/4	3,336.83
4	120.12	4	479.97	4	839.83	4	1,185.19	4	1,545.04	4	1,904.90	4	2,264.76	4	2,624.61	4	2,984.47	4	3,344.32
1/4	127.62	1/4	487.47	1/4	847.05	1/4	1,192.68	1/4	1,552.54	1/4	1,912.40	1/4	2,272.25	1/4	2,632.11	1/4	2,991.96	1/4	3,351.82
1/2	135.12	1/2	494.97	1/2	854.26	1/2	1,200.18	1/2	1,560.04	1/2	1,919.89	1/2	2,279.75	1/2	2,639.60	1/2	2,999.46	1/2	3,359.32
3/4	142.61	3/4	502.47	3/4	861.47	3/4	1,207.68	3/4	1,567.53	3/4	1,927.39	3/4	2,287.25	3/4	2,647.10	3/4	3,006.96	3/4	3,366.81
5	150.11	5	509.96	5	868.69	5	1,215.18	5	1,575.03	5	1,934.89	5	2,294.74	5	2,654.60	5	3,014.45	5	3,374.31
1/4	157.60	1/4	517.46	1/4	875.88	1/4	1,222.67	1/4	1,582.53	1/4	1,942.38	1/4	2,302.24	1/4	2,662.10	1/4	3,021.95	1/4	3,381.81
1/2	165.10	1/2	524.96	1/2	883.07	1/2	1,230.17	1/2	1,590.03	1/2	1,949.88	1/2	2,309.74	1/2	2,669.59	1/2	3,029.45	1/2	3,389.30
3/4	172.60	3/4	532.45	3/4	890.26	3/4	1,237.67	3/4	1,597.52	3/4	1,957.38	3/4	2,317.23	3/4	2,677.09	3/4	3,036.95	3/4	3,396.80
6	180.09	6	539.95	6	897.45	6	1,245.16	6	1,605.02	6	1,964.88	6	2,324.73	6	2,684.59	6	3,044.44	6	3,404.30
1/4	187.59	1/4	547.45	1/4	904.64	1/4	1,252.66	1/4	1,612.52	1/4	1,972.37	1/4	2,332.23	1/4	2,692.08	1/4	3,051.94	1/4	3,411.80
1/2	195.09	1/2	554.94	1/2	911.82	1/2	1,260.16	1/2	1,620.01	1/2	1,979.87	1/2	2,339.73	1/2	2,699.58	1/2	3,059.44	1/2	3,419.29
3/4	202.59	3/4	562.44	3/4	919.01	3/4	1,267.65	3/4	1,627.51	3/4	1,987.37	3/4	2,347.22	3/4	2,707.08	3/4	3,066.93	3/4	3,426.79
7	210.08	7	569.94	7	926.20	7	1,275.15	7	1,635.01	7	1,994.86	7	2,354.72	7	2,714.57	7	3,074.43	7	3,434.29
1/4	217.58	1/4	577.44	1/4	933.39	1/4	1,282.65	1/4	1,642.50	1/4	2,002.36	1/4	2,362.22	1/4	2,722.07	1/4	3,081.93	1/4	3,441.78
1/2	225.08	1/2	584.93	1/2	940.58	1/2	1,290.15	1/2	1,650.00	1/2	2,009.86	1/2	2,369.71	1/2	2,729.57	1/2	3,089.42	1/2	3,449.28
3/4	232.57	3/4	592.43	3/4	947.77	3/4	1,297.64	3/4	1,657.50	3/4	2,017.35	3/4	2,377.21	3/4	2,737.07	3/4	3,096.92	3/4	3,456.78
8	240.07	8	599.93	8	954.96	8	1,305.14	8	1,665.00	8	2,024.85	8	2,384.71	8	2,744.56	8	3,104.42	8	3,464.27
1/4	247.57	1/4	607.42	1/4	962.15	1/4	1,312.64	1/4	1,672.49	1/4	2,032.35	1/4	2,392.20	1/4	2,752.06	1/4	3,111.92	1/4	3,471.77
1/2	255.06	1/2	614.92	1/2	969.34	1/2	1,320.13	1/2	1,679.99	1/2	2,039.85	1/2	2,399.70	1/2	2,759.56	1/2	3,119.41	1/2	3,479.27
3/4	262.56	3/4	622.42	3/4	976.53	3/4	1,327.63	3/4	1,687.49	3/4	2,047.34	3/4	2,407.20	3/4	2,767.05	3/4	3,126.91	3/4	3,486.77
9	270.06	9	629.91	9	983.72	9	1,335.13	9	1,694.98	9	2,054.84	9	2,414.70	9	2,774.55	9	3,134.41	9	3,494.26
1/4	277.56	1/4	637.41	1/4	990.91	1/4	1,342.62	1/4	1,702.48	1/4	2,062.34	1/4	2,422.19	1/4	2,782.05	1/4	3,141.90	1/4	3,501.76
1/2	285.05	1/2	644.91	1/2	998.10	1/2	1,350.12	1/2	1,709.98	1/2	2,069.83	1/2	2,429.69	1/2	2,789.54	1/2	3,149.40	1/2	3,509.26
3/4	292.55	3/4	652.41	3/4	1,005.29	3/4	1,357.62	3/4	1,717.47	3/4	2,077.33	3/4	2,437.19	3/4	2,797.04	3/4	3,156.90	3/4	3,516.75
10	300.05	10	659.90	10	1,012.48	10	1,365.12	10	1,724.97	10	2,084.83	10	2,444.68	10	2,804.54	10	3,164.39	10	3,524.25
1/4	307.54	1/4	667.40	1/4	1,019.67	1/4	1,372.61	1/4	1,732.47	1/4	2,092.32	1/4	2,452.18	1/4	2,812.04	1/4	3,171.89	1/4	3,531.75
1/2	315.04	1/2	674.90	1/2	1,026.86	1/2	1,380.11	1/2	1,739.97	1/2	2,099.82	1/2	2,459.68	1/2	2,819.53	1/2	3,179.39	1/2	3,539.24
3/4	322.54	3/4	682.39	3/4	1,034.04	3/4	1,387.61	3/4	1,747.46	3/4	2,107.32	3/4	2,467.17	3/4	2,827.03	3/4	3,186.89	3/4	3,546.74
11	330.03	11	689.89	11	1,041.23	11	1,395.10	11	1,754.96	11	2,114.82	11	2,474.67	11	2,834.53	11	3,194.38	11	3,554.24
1/4	337.53	1/4	697.39	1/4	1,048.42	1/4	1,402.60	1/4	1,762.46	1/4	2,122.31	1/4	2,482.17	1/4	2,842.02	1/4	3,201.88	1/4	3,561.74
1/2	345.03	1/2	704.88	1/2	1,055.61	1/2	1,410.10	1/2	1,769.95	1/2	2,129.81	1/2	2,489.67	1/2	2,849.52	1/2	3,209.38	1/2	3,569.23
3/4	352.53	3/4	712.38	3/4	1,062.80	3/4	1,417.59	3/4	1,777.45	3/4	2,137.31	3/4	2,497.16	3/4	2,857.02	3/4	3,216.87	3/4	3,576.73

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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



BARGE "CTC 29100"

2 PORT

INNAGE TABLE HERMETIC

GAUGE HEIGHT 15'-09"

FORMERLY: E2MS 318

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	3,584.23	0	3,944.08	0	4,303.24	0	4,662.06	0	5,019.21	0		0		0		0		0	
1/4	3,591.72	1/4	3,951.58	1/4	4,310.72	1/4	4,669.53	1/4	5,026.55	1/4		1/4		1/4		1/4		1/4	
1/2	3,599.22	1/2	3,959.08	1/2	4,318.20	1/2	4,677.01	1/2	5,033.89	1/2		1/2		1/2		1/2		1/2	
3/4	3,606.72	3/4	3,966.57	3/4	4,325.67	3/4	4,684.48	3/4	5,041.22	3/4		3/4		3/4		3/4		3/4	
1	3,614.21	1	3,974.07	1	4,333.15	1	4,691.96	1	5,048.56	1		1		1		1		1	
1/4	3,621.71	1/4	3,981.57	1/4	4,340.62	1/4	4,699.44	1/4	5,055.03	1/4		1/4		1/4		1/4		1/4	
1/2	3,629.21	1/2	3,989.06	1/2	4,348.10	1/2	4,706.91	1/2	5,061.51	1/2		1/2		1/2		1/2		1/2	
3/4	3,636.71	3/4	3,996.56	3/4	4,355.57	3/4	4,714.39	3/4	5,067.98	3/4		3/4		3/4		3/4		3/4	
2	3,644.20	2	4,004.06	2	4,363.05	2	4,721.86	2	5,074.45	2		2		2		2		2	
1/4	3,651.70	1/4	4,011.56	1/4	4,370.52	1/4	4,729.34	1/4	5,079.67	1/4		1/4		1/4		1/4		1/4	
1/2	3,659.20	1/2	4,019.05	1/2	4,378.00	1/2	4,736.81	1/2	5,084.89	1/2		1/2		1/2		1/2		1/2	
3/4	3,666.69	3/4	4,026.55	3/4	4,385.47	3/4	4,744.29	3/4	5,090.11	3/4		3/4		3/4		3/4		3/4	
3	3,674.19	3	4,034.05	3	4,392.95	3	4,751.76	3	5,095.34	3		3		3		3		3	
1/4	3,681.69	1/4	4,041.54	1/4	4,400.42	1/4	4,759.24	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,689.18	1/2	4,049.04	1/2	4,407.90	1/2	4,766.71	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,696.68	3/4	4,056.54	3/4	4,415.37	3/4	4,774.19	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,704.18	4	4,064.03	4	4,422.85	4	4,781.66	4		4		4		4		4		4	
1/4	3,711.68	1/4	4,071.51	1/4	4,430.32	1/4	4,789.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,719.17	1/2	4,078.99	1/2	4,437.80	1/2	4,796.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,726.67	3/4	4,086.46	3/4	4,445.28	3/4	4,804.09	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,734.17	5	4,093.94	5	4,452.75	5	4,811.56	5		5		5		5		5		5	
1/4	3,741.66	1/4	4,101.41	1/4	4,460.23	1/4	4,819.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,749.16	1/2	4,108.89	1/2	4,467.70	1/2	4,826.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,756.66	3/4	4,116.36	3/4	4,475.18	3/4	4,833.99	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,764.15	6	4,123.84	6	4,482.65	6	4,841.47	6		6		6		6		6		6	
1/4	3,771.65	1/4	4,131.31	1/4	4,490.13	1/4	4,848.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,779.15	1/2	4,138.79	1/2	4,497.60	1/2	4,856.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,786.65	3/4	4,146.26	3/4	4,505.08	3/4	4,863.69	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,794.14	7	4,153.74	7	4,512.55	7	4,871.10	7		7		7		7		7		7	
1/4	3,801.64	1/4	4,161.21	1/4	4,520.03	1/4	4,878.51	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,809.14	1/2	4,168.69	1/2	4,527.50	1/2	4,885.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,816.63	3/4	4,176.16	3/4	4,534.98	3/4	4,893.33	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,824.13	8	4,183.64	8	4,542.45	8	4,900.74	8		8		8		8		8		8	
1/4	3,831.63	1/4	4,191.12	1/4	4,549.93	1/4	4,908.15	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,839.12	1/2	4,198.59	1/2	4,557.40	1/2	4,915.56	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,846.62	3/4	4,206.07	3/4	4,564.88	3/4	4,922.97	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,854.12	9	4,213.54	9	4,572.36	9	4,930.38	9		9		9		9		9		9	
1/4	3,861.62	1/4	4,221.02	1/4	4,579.83	1/4	4,937.79	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,869.11	1/2	4,228.49	1/2	4,587.31	1/2	4,945.19	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,876.61	3/4	4,235.97	3/4	4,594.78	3/4	4,952.60	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,884.11	10	4,243.44	10	4,602.26	10	4,960.01	10		10		10		10		10		10	
1/4	3,891.60	1/4	4,250.92	1/4	4,609.73	1/4	4,967.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,899.10	1/2	4,258.39	1/2	4,617.21	1/2	4,974.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,906.60	3/4	4,265.87	3/4	4,624.68	3/4	4,982.23	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,914.09	11	4,273.34	11	4,632.16	11	4,989.63	11		11		11		11		11		11	
1/4	3,921.59	1/4	4,280.82	1/4	4,639.63	1/4	4,997.03	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,929.09	1/2	4,288.29	1/2	4,647.11	1/2	5,004.42	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,936.59	3/4	4,295.77	3/4	4,654.58	3/4	5,011.82	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/09/2020 JS
CALCULATED: 03/10/2020 CL
PRINTED: 03/11/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2020

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



BARGE "CTC 29100"

2 STBD INNAGE TABLE

HERMETIC GAUGE HEIGHT 15'-09 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: E2MS 318

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	15.34	0	359.66	0	719.16	0	1,078.25	0	1,437.64	0	1,797.14	0	2,156.64	0	2,516.13	0	2,875.56	0	3,234.95
1/4	20.03	1/4	367.15	1/4	726.65	1/4	1,085.73	1/4	1,445.13	1/4	1,804.63	1/4	2,164.13	1/4	2,523.62	1/4	2,883.05	1/4	3,242.44
1/2	24.71	1/2	374.64	1/2	734.14	1/2	1,093.20	1/2	1,452.62	1/2	1,812.12	1/2	2,171.61	1/2	2,531.11	1/2	2,890.54	1/2	3,249.92
3/4	29.39	3/4	382.13	3/4	741.63	3/4	1,100.68	3/4	1,460.11	3/4	1,819.61	3/4	2,179.10	3/4	2,538.60	3/4	2,898.03	3/4	3,257.41
1	34.07	1	389.62	1	749.12	1	1,108.15	1	1,467.60	1	1,827.10	1	2,186.59	1	2,546.09	1	2,905.51	1	3,264.90
1/4	40.62	1/4	397.11	1/4	756.61	1/4	1,115.63	1/4	1,475.09	1/4	1,834.59	1/4	2,194.08	1/4	2,553.58	1/4	2,913.00	1/4	3,272.39
1/2	47.17	1/2	404.60	1/2	764.09	1/2	1,123.12	1/2	1,482.58	1/2	1,842.08	1/2	2,201.57	1/2	2,561.07	1/2	2,920.49	1/2	3,279.87
3/4	53.72	3/4	412.09	3/4	771.58	3/4	1,130.60	3/4	1,490.07	3/4	1,849.57	3/4	2,209.06	3/4	2,568.56	3/4	2,927.97	3/4	3,287.36
2	60.28	2	419.58	2	779.07	2	1,138.09	2	1,497.56	2	1,857.06	2	2,216.55	2	2,576.05	2	2,935.46	2	3,294.85
1/4	67.73	1/4	427.07	1/4	786.56	1/4	1,145.57	1/4	1,505.05	1/4	1,864.55	1/4	2,224.04	1/4	2,583.54	1/4	2,942.95	1/4	3,302.33
1/2	75.18	1/2	434.56	1/2	794.05	1/2	1,153.05	1/2	1,512.54	1/2	1,872.03	1/2	2,231.53	1/2	2,591.03	1/2	2,950.44	1/2	3,309.82
3/4	82.63	3/4	442.05	3/4	801.54	3/4	1,160.54	3/4	1,520.03	3/4	1,879.52	3/4	2,239.02	3/4	2,598.52	3/4	2,957.92	3/4	3,317.31
3	90.09	3	449.54	3	809.03	3	1,168.02	3	1,527.52	3	1,887.01	3	2,246.51	3	2,606.01	3	2,965.41	3	3,324.80
1/4	97.57	1/4	457.03	1/4	816.52	1/4	1,175.51	1/4	1,535.01	1/4	1,894.50	1/4	2,254.00	1/4	2,613.50	1/4	2,972.90	1/4	3,332.28
1/2	105.04	1/2	464.51	1/2	824.01	1/2	1,183.00	1/2	1,542.50	1/2	1,901.99	1/2	2,261.49	1/2	2,620.98	1/2	2,980.38	1/2	3,339.77
3/4	112.52	3/4	472.00	3/4	831.50	3/4	1,190.49	3/4	1,549.99	3/4	1,909.48	3/4	2,268.98	3/4	2,628.47	3/4	2,987.87	3/4	3,347.26
4	120.00	4	479.49	4	838.99	4	1,197.98	4	1,557.48	4	1,916.97	4	2,276.47	4	2,635.96	4	2,995.36	4	3,354.74
1/4	127.49	1/4	486.98	1/4	846.48	1/4	1,205.47	1/4	1,564.97	1/4	1,924.46	1/4	2,283.96	1/4	2,643.45	1/4	3,002.85	1/4	3,362.23
1/2	134.98	1/2	494.47	1/2	853.97	1/2	1,212.96	1/2	1,572.45	1/2	1,931.95	1/2	2,291.45	1/2	2,650.94	1/2	3,010.33	1/2	3,369.72
3/4	142.47	3/4	501.96	3/4	861.46	3/4	1,220.45	3/4	1,579.94	3/4	1,939.44	3/4	2,298.94	3/4	2,658.43	3/4	3,017.82	3/4	3,377.21
5	149.96	5	509.45	5	868.95	5	1,227.94	5	1,587.43	5	1,946.93	5	2,306.43	5	2,665.92	5	3,025.31	5	3,384.69
1/4	157.45	1/4	516.94	1/4	876.42	1/4	1,235.43	1/4	1,594.92	1/4	1,954.42	1/4	2,313.92	1/4	2,673.41	1/4	3,032.79	1/4	3,392.18
1/2	164.93	1/2	524.43	1/2	883.90	1/2	1,242.92	1/2	1,602.41	1/2	1,961.91	1/2	2,321.40	1/2	2,680.90	1/2	3,040.28	1/2	3,399.67
3/4	172.42	3/4	531.92	3/4	891.37	3/4	1,250.41	3/4	1,609.90	3/4	1,969.40	3/4	2,328.89	3/4	2,688.38	3/4	3,047.77	3/4	3,407.15
6	179.91	6	539.41	6	898.85	6	1,257.90	6	1,617.39	6	1,976.89	6	2,336.38	6	2,695.87	6	3,055.26	6	3,414.64
1/4	187.40	1/4	546.90	1/4	906.32	1/4	1,265.39	1/4	1,624.88	1/4	1,984.38	1/4	2,343.87	1/4	2,703.36	1/4	3,062.74	1/4	3,422.13
1/2	194.89	1/2	554.39	1/2	913.80	1/2	1,272.87	1/2	1,632.37	1/2	1,991.87	1/2	2,351.36	1/2	2,710.85	1/2	3,070.23	1/2	3,429.62
3/4	202.38	3/4	561.88	3/4	921.27	3/4	1,280.36	3/4	1,639.86	3/4	1,999.36	3/4	2,358.85	3/4	2,718.33	3/4	3,077.72	3/4	3,437.10
7	209.87	7	569.37	7	928.75	7	1,287.85	7	1,647.35	7	2,006.85	7	2,366.34	7	2,725.82	7	3,085.21	7	3,444.59
1/4	217.36	1/4	576.86	1/4	936.22	1/4	1,295.34	1/4	1,654.84	1/4	2,014.34	1/4	2,373.83	1/4	2,733.31	1/4	3,092.69	1/4	3,452.08
1/2	224.85	1/2	584.35	1/2	943.70	1/2	1,302.83	1/2	1,662.33	1/2	2,021.82	1/2	2,381.32	1/2	2,740.79	1/2	3,100.18	1/2	3,459.57
3/4	232.34	3/4	591.84	3/4	951.17	3/4	1,310.32	3/4	1,669.82	3/4	2,029.31	3/4	2,388.81	3/4	2,748.28	3/4	3,107.67	3/4	3,467.05
8	239.83	8	599.33	8	958.65	8	1,317.81	8	1,677.31	8	2,036.80	8	2,396.30	8	2,755.77	8	3,115.15	8	3,474.54
1/4	247.32	1/4	606.82	1/4	966.12	1/4	1,325.30	1/4	1,684.80	1/4	2,044.29	1/4	2,403.79	1/4	2,763.26	1/4	3,122.64	1/4	3,482.03
1/2	254.81	1/2	614.30	1/2	973.60	1/2	1,332.79	1/2	1,692.29	1/2	2,051.78	1/2	2,411.28	1/2	2,770.74	1/2	3,130.13	1/2	3,489.51
3/4	262.30	3/4	621.79	3/4	981.07	3/4	1,340.28	3/4	1,699.78	3/4	2,059.27	3/4	2,418.77	3/4	2,778.23	3/4	3,137.62	3/4	3,497.00
9	269.79	9	629.28	9	988.55	9	1,347.77	9	1,707.27	9	2,066.76	9	2,426.26	9	2,785.72	9	3,145.10	9	3,504.49
1/4	277.28	1/4	636.77	1/4	996.02	1/4	1,355.26	1/4	1,714.76	1/4	2,074.25	1/4	2,433.75	1/4	2,793.20	1/4	3,152.59	1/4	3,511.98
1/2	284.77	1/2	644.26	1/2	1,003.50	1/2	1,362.75	1/2	1,722.24	1/2	2,081.74	1/2	2,441.24	1/2	2,800.69	1/2	3,160.08	1/2	3,519.46
3/4	292.26	3/4	651.75	3/4	1,010.97	3/4	1,370.24	3/4	1,729.73	3/4	2,089.23	3/4	2,448.73	3/4	2,808.18	3/4	3,167.56	3/4	3,526.95
10	299.75	10	659.24	10	1,018.45	10	1,377.73	10	1,737.22	10	2,096.72	10	2,456.22	10	2,815.67	10	3,175.05	10	3,534.44
1/4	307.24	1/4	666.73	1/4	1,025.92	1/4	1,385.22	1/4	1,744.71	1/4	2,104.21	1/4	2,463.71	1/4	2,823.15	1/4	3,182.54	1/4	3,541.92
1/2	314.72	1/2	674.22	1/2	1,033.40	1/2	1,392.71	1/2	1,752.20	1/2	2,111.70	1/2	2,471.19	1/2	2,830.64	1/2	3,190.03	1/2	3,549.41
3/4	322.21	3/4	681.71	3/4	1,040.87	3/4	1,400.20	3/4	1,759.69	3/4	2,119.19	3/4	2,478.68	3/4	2,838.13	3/4	3,197.51	3/4	3,556.90
11	329.70	11	689.20	11	1,048.35	11	1,407.69	11	1,767.18	11	2,126.68	11	2,486.17	11	2,845.61	11	3,205.00	11	3,564.39
1/4	337.19	1/4	696.69	1/4	1,055.83	1/4	1,415.18	1/4	1,774.67	1/4	2,134.17	1/4	2,493.66	1/4	2,853.10	1/4	3,212.49	1/4	3,571.87
1/2	344.68	1/2	704.18	1/2	1,063.30	1/2	1,422.66	1/2	1,782.16	1/2	2,141.66	1/2	2,501.15	1/2	2,860.59	1/2	3,219.97	1/2	3,579.36
3/4	352.17	3/4	711.67	3/4	1,070.78	3/4	1,430.15	3/4	1,789.65	3/4	2,149.15	3/4	2,508.64	3/4	2,868.08	3/4	3,227.46	3/4	3,586.85

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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



BARGE "CTC 29100"

2 STBD

INNAGE TABLE HERMETIC

GAUGE HEIGHT 15'-09 1/4"

FORMERLY: E2MS 318

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	3,594.33	0	3,953.72	0	4,312.42	0	4,670.78	0	5,027.32	0		0		0		0		0	
1/4	3,601.82	1/4	3,961.21	1/4	4,319.89	1/4	4,678.25	1/4	5,034.64	1/4		1/4		1/4		1/4		1/4	
1/2	3,609.31	1/2	3,968.69	1/2	4,327.35	1/2	4,685.71	1/2	5,041.97	1/2		1/2		1/2		1/2		1/2	
3/4	3,616.80	3/4	3,976.18	3/4	4,334.82	3/4	4,693.18	3/4	5,049.29	3/4		3/4		3/4		3/4		3/4	
1	3,624.28	1	3,983.67	1	4,342.28	1	4,700.64	1	5,056.61	1		1		1		1		1	
1/4	3,631.77	1/4	3,991.16	1/4	4,349.75	1/4	4,708.11	1/4	5,063.07	1/4		1/4		1/4		1/4		1/4	
1/2	3,639.26	1/2	3,998.64	1/2	4,357.22	1/2	4,715.57	1/2	5,069.53	1/2		1/2		1/2		1/2		1/2	
3/4	3,646.75	3/4	4,006.13	3/4	4,364.68	3/4	4,723.04	3/4	5,075.99	3/4		3/4		3/4		3/4		3/4	
2	3,654.23	2	4,013.62	2	4,372.15	2	4,730.51	2	5,082.44	2		2		2		2		2	
1/4	3,661.72	1/4	4,021.11	1/4	4,379.61	1/4	4,737.97	1/4	5,087.65	1/4		1/4		1/4		1/4		1/4	
1/2	3,669.21	1/2	4,028.59	1/2	4,387.08	1/2	4,745.44	1/2	5,092.86	1/2		1/2		1/2		1/2		1/2	
3/4	3,676.69	3/4	4,036.08	3/4	4,394.54	3/4	4,752.90	3/4	5,098.07	3/4		3/4		3/4		3/4		3/4	
3	3,684.18	3	4,043.57	3	4,402.01	3	4,760.37	3	5,103.28	3		3		3		3		3	
1/4	3,691.67	1/4	4,051.05	1/4	4,409.48	1/4	4,767.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,699.16	1/2	4,058.54	1/2	4,416.94	1/2	4,775.30	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,706.64	3/4	4,066.03	3/4	4,424.41	3/4	4,782.77	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,714.13	4	4,073.52	4	4,431.87	4	4,790.23	4		4		4		4		4		4	
1/4	3,721.62	1/4	4,080.98	1/4	4,439.34	1/4	4,797.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,729.10	1/2	4,088.45	1/2	4,446.81	1/2	4,805.16	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,736.59	3/4	4,095.91	3/4	4,454.27	3/4	4,812.63	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,744.08	5	4,103.38	5	4,461.74	5	4,820.10	5		5		5		5		5		5	
1/4	3,751.57	1/4	4,110.84	1/4	4,469.20	1/4	4,827.56	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,759.05	1/2	4,118.31	1/2	4,476.67	1/2	4,835.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,766.54	3/4	4,125.78	3/4	4,484.13	3/4	4,842.49	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,774.03	6	4,133.24	6	4,491.60	6	4,849.96	6		6		6		6		6		6	
1/4	3,781.51	1/4	4,140.71	1/4	4,499.07	1/4	4,857.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,789.00	1/2	4,148.17	1/2	4,506.53	1/2	4,864.74	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,796.49	3/4	4,155.64	3/4	4,514.00	3/4	4,872.13	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,803.98	7	4,163.11	7	4,521.46	7	4,879.53	7		7		7		7		7		7	
1/4	3,811.46	1/4	4,170.57	1/4	4,528.93	1/4	4,886.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,818.95	1/2	4,178.04	1/2	4,536.40	1/2	4,894.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,826.44	3/4	4,185.50	3/4	4,543.86	3/4	4,901.70	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,833.93	8	4,192.97	8	4,551.33	8	4,909.09	8		8		8		8		8		8	
1/4	3,841.41	1/4	4,200.43	1/4	4,558.79	1/4	4,916.48	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,848.90	1/2	4,207.90	1/2	4,566.26	1/2	4,923.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,856.39	3/4	4,215.37	3/4	4,573.72	3/4	4,931.27	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,863.87	9	4,222.83	9	4,581.19	9	4,938.66	9		9		9		9		9		9	
1/4	3,871.36	1/4	4,230.30	1/4	4,588.66	1/4	4,946.05	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,878.85	1/2	4,237.76	1/2	4,596.12	1/2	4,953.45	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,886.34	3/4	4,245.23	3/4	4,603.59	3/4	4,960.84	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,893.82	10	4,252.69	10	4,611.05	10	4,968.23	10		10		10		10		10		10	
1/4	3,901.31	1/4	4,260.16	1/4	4,618.52	1/4	4,975.63	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,908.80	1/2	4,267.63	1/2	4,625.98	1/2	4,983.02	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,916.28	3/4	4,275.09	3/4	4,633.45	3/4	4,990.41	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,923.77	11	4,282.56	11	4,640.92	11	4,997.80	11		11		11		11		11		11	
1/4	3,931.26	1/4	4,290.02	1/4	4,648.38	1/4	5,005.18	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,938.75	1/2	4,297.49	1/2	4,655.85	1/2	5,012.56	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,946.23	3/4	4,304.96	3/4	4,663.31	3/4	5,019.94	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/09/2020 JS
CALCULATED: 03/10/2020 CL
PRINTED: 03/11/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2020

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



BARGE "CTC 29100"

3 PORT INNAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: E2MS 318

GAUGE HEIGHT 15'-09"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	15.27	0	357.74	0	714.84	0	1,062.29	0	1,415.40	0	1,772.20	0	2,128.27	0	2,485.06	0	2,841.56	0	3,198.03
1/4	19.92	1/4	365.18	1/4	722.28	1/4	1,069.44	1/4	1,422.83	1/4	1,779.62	1/4	2,135.70	1/4	2,492.48	1/4	2,848.98	1/4	3,205.43
1/2	24.58	1/2	372.62	1/2	729.72	1/2	1,076.58	1/2	1,430.27	1/2	1,787.03	1/2	2,143.13	1/2	2,499.91	1/2	2,856.41	1/2	3,212.83
3/4	29.24	3/4	380.06	3/4	737.16	3/4	1,083.72	3/4	1,437.70	3/4	1,794.45	3/4	2,150.56	3/4	2,507.34	3/4	2,863.84	3/4	3,220.23
1	33.90	1	387.50	1	744.60	1	1,090.87	1	1,445.14	1	1,801.87	1	2,158.00	1	2,514.77	1	2,871.26	1	3,227.63
1/4	40.41	1/4	394.94	1/4	752.04	1/4	1,098.08	1/4	1,452.57	1/4	1,809.29	1/4	2,165.43	1/4	2,522.20	1/4	2,878.69	1/4	3,235.02
1/2	46.93	1/2	402.37	1/2	759.48	1/2	1,105.29	1/2	1,460.01	1/2	1,816.71	1/2	2,172.86	1/2	2,529.62	1/2	2,886.12	1/2	3,242.42
3/4	53.45	3/4	409.81	3/4	766.92	3/4	1,112.51	3/4	1,467.44	3/4	1,824.13	3/4	2,180.29	3/4	2,537.05	3/4	2,893.54	3/4	3,249.82
2	59.97	2	417.25	2	774.36	2	1,119.72	2	1,474.88	2	1,831.54	2	2,187.72	2	2,544.48	2	2,900.97	2	3,257.22
1/4	67.38	1/4	424.69	1/4	781.80	1/4	1,126.94	1/4	1,482.31	1/4	1,838.96	1/4	2,195.15	1/4	2,551.91	1/4	2,908.40	1/4	3,264.62
1/2	74.80	1/2	432.13	1/2	789.24	1/2	1,134.15	1/2	1,489.74	1/2	1,846.38	1/2	2,202.58	1/2	2,559.33	1/2	2,915.82	1/2	3,272.02
3/4	82.22	3/4	439.57	3/4	796.68	3/4	1,141.36	3/4	1,497.18	3/4	1,853.80	3/4	2,210.01	3/4	2,566.76	3/4	2,923.25	3/4	3,279.41
3	89.63	3	447.01	3	804.12	3	1,148.58	3	1,504.61	3	1,861.22	3	2,217.45	3	2,574.19	3	2,930.68	3	3,286.81
1/4	97.07	1/4	454.45	1/4	811.49	1/4	1,155.80	1/4	1,512.05	1/4	1,868.64	1/4	2,224.88	1/4	2,581.62	1/4	2,938.10	1/4	3,294.21
1/2	104.51	1/2	461.89	1/2	818.87	1/2	1,163.03	1/2	1,519.48	1/2	1,876.05	1/2	2,232.31	1/2	2,589.05	1/2	2,945.53	1/2	3,301.61
3/4	111.95	3/4	469.33	3/4	826.25	3/4	1,170.26	3/4	1,526.92	3/4	1,883.47	3/4	2,239.74	3/4	2,596.47	3/4	2,952.96	3/4	3,309.01
4	119.39	4	476.77	4	833.62	4	1,177.49	4	1,534.35	4	1,890.89	4	2,247.17	4	2,603.90	4	2,960.38	4	3,316.40
1/4	126.84	1/4	484.21	1/4	840.79	1/4	1,184.92	1/4	1,541.79	1/4	1,898.31	1/4	2,254.60	1/4	2,611.33	1/4	2,967.81	1/4	3,323.80
1/2	134.29	1/2	491.65	1/2	847.95	1/2	1,192.36	1/2	1,549.22	1/2	1,905.73	1/2	2,262.03	1/2	2,618.76	1/2	2,975.24	1/2	3,331.20
3/4	141.74	3/4	499.09	3/4	855.12	3/4	1,199.79	3/4	1,556.66	3/4	1,913.15	3/4	2,269.47	3/4	2,626.19	3/4	2,982.66	3/4	3,338.60
5	149.19	5	506.53	5	862.28	5	1,207.23	5	1,564.09	5	1,920.56	5	2,276.90	5	2,633.61	5	2,990.09	5	3,346.00
1/4	156.64	1/4	513.97	1/4	869.43	1/4	1,214.66	1/4	1,571.53	1/4	1,927.98	1/4	2,284.33	1/4	2,641.04	1/4	2,997.52	1/4	3,353.39
1/2	164.10	1/2	521.41	1/2	876.57	1/2	1,222.10	1/2	1,578.96	1/2	1,935.40	1/2	2,291.77	1/2	2,648.47	1/2	3,004.94	1/2	3,360.78
3/4	171.55	3/4	528.85	3/4	883.71	3/4	1,229.53	3/4	1,586.40	3/4	1,942.82	3/4	2,299.21	3/4	2,655.89	3/4	3,012.37	3/4	3,368.18
6	179.00	6	536.29	6	890.86	6	1,236.96	6	1,593.83	6	1,950.24	6	2,306.64	6	2,663.32	6	3,019.80	6	3,375.57
1/4	186.45	1/4	543.73	1/4	898.00	1/4	1,244.40	1/4	1,601.27	1/4	1,957.66	1/4	2,314.08	1/4	2,670.75	1/4	3,027.22	1/4	3,382.96
1/2	193.90	1/2	551.17	1/2	905.14	1/2	1,251.83	1/2	1,608.70	1/2	1,965.07	1/2	2,321.52	1/2	2,678.17	1/2	3,034.65	1/2	3,390.34
3/4	201.35	3/4	558.61	3/4	912.29	3/4	1,259.27	3/4	1,616.13	3/4	1,972.49	3/4	2,328.95	3/4	2,685.60	3/4	3,042.08	3/4	3,397.73
7	208.80	7	566.05	7	919.43	7	1,266.70	7	1,623.57	7	1,979.91	7	2,336.39	7	2,693.03	7	3,049.50	7	3,405.11
1/4	216.25	1/4	573.49	1/4	926.57	1/4	1,274.14	1/4	1,631.00	1/4	1,987.33	1/4	2,343.83	1/4	2,700.45	1/4	3,056.93	1/4	3,412.27
1/2	223.71	1/2	580.93	1/2	933.72	1/2	1,281.57	1/2	1,638.44	1/2	1,994.75	1/2	2,351.27	1/2	2,707.88	1/2	3,064.36	1/2	3,419.43
3/4	231.16	3/4	588.37	3/4	940.86	3/4	1,289.01	3/4	1,645.87	3/4	2,002.17	3/4	2,358.70	3/4	2,715.31	3/4	3,071.78	3/4	3,426.58
8	238.61	8	595.81	8	948.00	8	1,296.44	8	1,653.31	8	2,009.58	8	2,366.14	8	2,722.73	8	3,079.21	8	3,433.74
1/4	246.06	1/4	603.25	1/4	955.15	1/4	1,303.88	1/4	1,660.74	1/4	2,017.00	1/4	2,373.58	1/4	2,730.16	1/4	3,086.64	1/4	3,440.42
1/2	253.51	1/2	610.69	1/2	962.29	1/2	1,311.31	1/2	1,668.18	1/2	2,024.42	1/2	2,381.01	1/2	2,737.59	1/2	3,094.06	1/2	3,447.10
3/4	260.96	3/4	618.13	3/4	969.43	3/4	1,318.75	3/4	1,675.61	3/4	2,031.84	3/4	2,388.45	3/4	2,745.01	3/4	3,101.49	3/4	3,453.78
9	268.41	9	625.57	9	976.58	9	1,326.18	9	1,683.05	9	2,039.26	9	2,395.89	9	2,752.44	9	3,108.92	9	3,460.46
1/4	275.87	1/4	633.01	1/4	983.72	1/4	1,333.62	1/4	1,690.48	1/4	2,046.67	1/4	2,403.32	1/4	2,759.87	1/4	3,116.34	1/4	3,466.66
1/2	283.32	1/2	640.45	1/2	990.86	1/2	1,341.05	1/2	1,697.92	1/2	2,054.08	1/2	2,410.76	1/2	2,767.29	1/2	3,123.77	1/2	3,472.86
3/4	290.77	3/4	647.88	3/4	998.00	3/4	1,348.49	3/4	1,705.35	3/4	2,061.49	3/4	2,418.20	3/4	2,774.72	3/4	3,131.20	3/4	3,479.07
10	298.22	10	655.32	10	1,005.15	10	1,355.92	10	1,712.79	10	2,068.90	10	2,425.63	10	2,782.14	10	3,138.62	10	3,485.27
1/4	305.66	1/4	662.76	1/4	1,012.29	1/4	1,363.35	1/4	1,720.22	1/4	2,076.31	1/4	2,433.06	1/4	2,789.57	1/4	3,146.05	1/4	3,491.01
1/2	313.10	1/2	670.20	1/2	1,019.43	1/2	1,370.79	1/2	1,727.66	1/2	2,083.72	1/2	2,440.49	1/2	2,797.00	1/2	3,153.47	1/2	3,496.74
3/4	320.54	3/4	677.64	3/4	1,026.58	3/4	1,378.22	3/4	1,735.09	3/4	2,091.13	3/4	2,447.92	3/4	2,804.42	3/4	3,160.90	3/4	3,502.48
11	327.98	11	685.08	11	1,033.72	11	1,385.66	11	1,742.52	11	2,098.55	11	2,455.35	11	2,811.85	11	3,168.33	11	3,508.21
1/4	335.42	1/4	692.52	1/4	1,040.86	1/4	1,393.09	1/4	1,749.94	1/4	2,105.98	1/4	2,462.77	1/4	2,819.28	1/4	3,175.75	1/4	3,513.47
1/2	342.86	1/2	699.96	1/2	1,048.01	1/2	1,400.53	1/2	1,757.36	1/2	2,113.41	1/2	2,470.20	1/2	2,826.70	1/2	3,183.18	1/2	3,518.72
3/4	350.30	3/4	707.40	3/4	1,055.15	3/4	1,407.96	3/4	1,764.78	3/4	2,120.84	3/4	2,477.63	3/4	2,834.13	3/4	3,190.61	3/4	3,523.98

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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





BARGE "CTC 29100"

3 PORT

INNAGE TABLE HERMETIC

GAUGE HEIGHT 15'-09"

FORMERLY: E2MS 318

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	3,529.23	0	3,749.74	0	3,968.89	0	4,187.83	0	4,405.67	0		0		0		0		0	
1/4	3,534.05	1/4	3,754.32	1/4	3,973.45	1/4	4,192.39	1/4	4,410.15	1/4		1/4		1/4		1/4		1/4	
1/2	3,538.86	1/2	3,758.89	1/2	3,978.01	1/2	4,196.95	1/2	4,414.62	1/2		1/2		1/2		1/2		1/2	
3/4	3,543.67	3/4	3,763.47	3/4	3,982.57	3/4	4,201.52	3/4	4,419.09	3/4		3/4		3/4		3/4		3/4	
1	3,548.49	1	3,768.04	1	3,987.13	1	4,206.08	1	4,423.57	1		1		1		1		1	
1/4	3,553.06	1/4	3,772.61	1/4	3,991.70	1/4	4,210.64	1/4	4,427.51	1/4		1/4		1/4		1/4		1/4	
1/2	3,557.64	1/2	3,777.19	1/2	3,996.26	1/2	4,215.20	1/2	4,431.46	1/2		1/2		1/2		1/2		1/2	
3/4	3,562.21	3/4	3,781.76	3/4	4,000.82	3/4	4,219.76	3/4	4,435.40	3/4		3/4		3/4		3/4		3/4	
2	3,566.78	2	3,786.34	2	4,005.38	2	4,224.32	2	4,439.35	2		2		2		2		2	
1/4	3,571.36	1/4	3,790.91	1/4	4,009.94	1/4	4,228.88	1/4	4,442.53	1/4		1/4		1/4		1/4		1/4	
1/2	3,575.93	1/2	3,795.48	1/2	4,014.50	1/2	4,233.44	1/2	4,445.72	1/2		1/2		1/2		1/2		1/2	
3/4	3,580.51	3/4	3,800.06	3/4	4,019.06	3/4	4,238.01	3/4	4,448.90	3/4		3/4		3/4		3/4		3/4	
3	3,585.08	3	3,804.63	3	4,023.62	3	4,242.57	3	4,452.08	3		3		3		3		3	
1/4	3,589.65	1/4	3,809.21	1/4	4,028.19	1/4	4,247.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,594.23	1/2	3,813.78	1/2	4,032.75	1/2	4,251.69	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,598.80	3/4	3,818.35	3/4	4,037.31	3/4	4,256.25	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,603.38	4	3,822.93	4	4,041.87	4	4,260.81	4		4		4		4		4		4	
1/4	3,607.95	1/4	3,827.49	1/4	4,046.43	1/4	4,265.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,612.52	1/2	3,832.05	1/2	4,050.99	1/2	4,269.93	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,617.10	3/4	3,836.61	3/4	4,055.55	3/4	4,274.50	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,621.67	5	3,841.17	5	4,060.11	5	4,279.06	5		5		5		5		5		5	
1/4	3,626.25	1/4	3,845.73	1/4	4,064.68	1/4	4,283.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,630.82	1/2	3,850.30	1/2	4,069.24	1/2	4,288.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,635.39	3/4	3,854.86	3/4	4,073.80	3/4	4,292.74	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,639.97	6	3,859.42	6	4,078.36	6	4,297.30	6		6		6		6		6		6	
1/4	3,644.54	1/4	3,863.98	1/4	4,082.92	1/4	4,301.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,649.12	1/2	3,868.54	1/2	4,087.48	1/2	4,306.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,653.69	3/4	3,873.10	3/4	4,092.04	3/4	4,310.85	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,658.26	7	3,877.66	7	4,096.61	7	4,315.37	7		7		7		7		7		7	
1/4	3,662.84	1/4	3,882.22	1/4	4,101.17	1/4	4,319.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,667.41	1/2	3,886.79	1/2	4,105.73	1/2	4,324.40	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,671.99	3/4	3,891.35	3/4	4,110.29	3/4	4,328.92	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,676.56	8	3,895.91	8	4,114.85	8	4,333.43	8		8		8		8		8		8	
1/4	3,681.13	1/4	3,900.47	1/4	4,119.41	1/4	4,337.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,685.71	1/2	3,905.03	1/2	4,123.97	1/2	4,342.47	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,690.28	3/4	3,909.59	3/4	4,128.53	3/4	4,346.98	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,694.86	9	3,914.15	9	4,133.10	9	4,351.50	9		9		9		9		9		9	
1/4	3,699.43	1/4	3,918.71	1/4	4,137.66	1/4	4,356.02	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,704.00	1/2	3,923.28	1/2	4,142.22	1/2	4,360.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,708.58	3/4	3,927.84	3/4	4,146.78	3/4	4,365.05	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,713.15	10	3,932.40	10	4,151.34	10	4,369.57	10		10		10		10		10		10	
1/4	3,717.73	1/4	3,936.96	1/4	4,155.90	1/4	4,374.08	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,722.30	1/2	3,941.52	1/2	4,160.46	1/2	4,378.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,726.87	3/4	3,946.08	3/4	4,165.02	3/4	4,383.12	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,731.45	11	3,950.64	11	4,169.59	11	4,387.64	11		11		11		11		11		11	
1/4	3,736.02	1/4	3,955.20	1/4	4,174.15	1/4	4,392.15	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,740.60	1/2	3,959.77	1/2	4,178.71	1/2	4,396.65	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,745.17	3/4	3,964.33	3/4	4,183.27	3/4	4,401.16	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/09/2020 JS
CALCULATED: 03/10/2020 CL
PRINTED: 03/11/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2020

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



BARGE "CTC 29100"

3 STBD INNAGE TABLE

HERMETIC GAUGE HEIGHT 15'-09"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: E2MS 318

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	15.25	0	357.31	0	714.46	0	1,071.21	0	1,428.27	0	1,785.43	0	2,142.59	0	2,499.67	0	2,856.36	0	3,213.03
1/4	19.90	1/4	364.76	1/4	721.90	1/4	1,078.64	1/4	1,435.71	1/4	1,792.87	1/4	2,150.03	1/4	2,507.10	1/4	2,863.79	1/4	3,220.43
1/2	24.55	1/2	372.20	1/2	729.34	1/2	1,086.06	1/2	1,443.15	1/2	1,800.31	1/2	2,157.47	1/2	2,514.54	1/2	2,871.22	1/2	3,227.84
3/4	29.20	3/4	379.64	3/4	736.79	3/4	1,093.49	3/4	1,450.59	3/4	1,807.75	3/4	2,164.91	3/4	2,521.97	3/4	2,878.66	3/4	3,235.24
1	33.85	1	387.08	1	744.23	1	1,100.92	1	1,458.03	1	1,815.19	1	2,172.35	1	2,529.40	1	2,886.09	1	3,242.64
1/4	40.36	1/4	394.52	1/4	751.67	1/4	1,108.35	1/4	1,465.47	1/4	1,822.63	1/4	2,179.79	1/4	2,536.83	1/4	2,893.52	1/4	3,250.04
1/2	46.86	1/2	401.96	1/2	759.11	1/2	1,115.79	1/2	1,472.91	1/2	1,830.07	1/2	2,187.23	1/2	2,544.26	1/2	2,900.95	1/2	3,257.44
3/4	53.37	3/4	409.40	3/4	766.55	3/4	1,123.22	3/4	1,480.36	3/4	1,837.51	3/4	2,194.67	3/4	2,551.69	3/4	2,908.38	3/4	3,264.85
2	59.88	2	416.84	2	773.99	2	1,130.66	2	1,487.80	2	1,844.95	2	2,202.11	2	2,559.13	2	2,915.81	2	3,272.25
1/4	67.29	1/4	424.28	1/4	781.43	1/4	1,138.09	1/4	1,495.24	1/4	1,852.40	1/4	2,209.55	1/4	2,566.56	1/4	2,923.24	1/4	3,279.65
1/2	74.69	1/2	431.72	1/2	788.87	1/2	1,145.53	1/2	1,502.68	1/2	1,859.84	1/2	2,216.99	1/2	2,573.99	1/2	2,930.67	1/2	3,287.05
3/4	82.10	3/4	439.16	3/4	796.31	3/4	1,152.97	3/4	1,510.12	3/4	1,867.28	3/4	2,224.44	3/4	2,581.42	3/4	2,938.10	3/4	3,294.45
3	89.50	3	446.60	3	803.75	3	1,160.40	3	1,517.56	3	1,874.72	3	2,231.88	3	2,588.85	3	2,945.53	3	3,301.86
1/4	96.93	1/4	454.04	1/4	811.19	1/4	1,167.84	1/4	1,525.00	1/4	1,882.16	1/4	2,239.32	1/4	2,596.28	1/4	2,952.96	1/4	3,309.26
1/2	104.36	1/2	461.48	1/2	818.63	1/2	1,175.28	1/2	1,532.44	1/2	1,889.60	1/2	2,246.76	1/2	2,603.72	1/2	2,960.39	1/2	3,316.66
3/4	111.79	3/4	468.92	3/4	826.07	3/4	1,182.72	3/4	1,539.88	3/4	1,897.04	3/4	2,254.20	3/4	2,611.15	3/4	2,967.82	3/4	3,324.06
4	119.22	4	476.36	4	833.51	4	1,190.16	4	1,547.32	4	1,904.48	4	2,261.64	4	2,618.58	4	2,975.25	4	3,331.46
1/4	126.66	1/4	483.81	1/4	840.95	1/4	1,197.61	1/4	1,554.76	1/4	1,911.92	1/4	2,269.08	1/4	2,626.01	1/4	2,982.68	1/4	3,338.87
1/2	134.10	1/2	491.25	1/2	848.39	1/2	1,205.05	1/2	1,562.20	1/2	1,919.36	1/2	2,276.52	1/2	2,633.44	1/2	2,990.11	1/2	3,346.27
3/4	141.54	3/4	498.69	3/4	855.84	3/4	1,212.49	3/4	1,569.65	3/4	1,926.80	3/4	2,283.96	3/4	2,640.87	3/4	2,997.54	3/4	3,353.67
5	148.98	5	506.13	5	863.28	5	1,219.93	5	1,577.09	5	1,934.24	5	2,291.40	5	2,648.31	5	3,004.98	5	3,361.07
1/4	156.42	1/4	513.57	1/4	870.70	1/4	1,227.37	1/4	1,584.53	1/4	1,941.69	1/4	2,298.84	1/4	2,655.74	1/4	3,012.41	1/4	3,368.47
1/2	163.86	1/2	521.01	1/2	878.13	1/2	1,234.81	1/2	1,591.97	1/2	1,949.13	1/2	2,306.28	1/2	2,663.17	1/2	3,019.84	1/2	3,375.87
3/4	171.30	3/4	528.45	3/4	885.55	3/4	1,242.25	3/4	1,599.41	3/4	1,956.57	3/4	2,313.73	3/4	2,670.60	3/4	3,027.27	3/4	3,383.27
6	178.74	6	535.89	6	892.98	6	1,249.69	6	1,606.85	6	1,964.01	6	2,321.17	6	2,678.03	6	3,034.70	6	3,390.66
1/4	186.18	1/4	543.33	1/4	900.41	1/4	1,257.13	1/4	1,614.29	1/4	1,971.45	1/4	2,328.61	1/4	2,685.46	1/4	3,042.13	1/4	3,398.05
1/2	193.62	1/2	550.77	1/2	907.83	1/2	1,264.57	1/2	1,621.73	1/2	1,978.89	1/2	2,336.05	1/2	2,692.89	1/2	3,049.56	1/2	3,405.44
3/4	201.06	3/4	558.21	3/4	915.26	3/4	1,272.01	3/4	1,629.17	3/4	1,986.33	3/4	2,343.49	3/4	2,700.32	3/4	3,056.99	3/4	3,412.83
7	208.50	7	565.65	7	922.69	7	1,279.45	7	1,636.61	7	1,993.77	7	2,350.93	7	2,707.75	7	3,064.42	7	3,420.22
1/4	215.94	1/4	573.09	1/4	930.11	1/4	1,286.89	1/4	1,644.05	1/4	2,001.21	1/4	2,358.37	1/4	2,715.18	1/4	3,071.85	1/4	3,427.38
1/2	223.38	1/2	580.53	1/2	937.54	1/2	1,294.34	1/2	1,651.49	1/2	2,008.65	1/2	2,365.81	1/2	2,722.61	1/2	3,079.28	1/2	3,434.54
3/4	230.82	3/4	587.97	3/4	944.96	3/4	1,301.78	3/4	1,658.93	3/4	2,016.09	3/4	2,373.25	3/4	2,730.04	3/4	3,086.71	3/4	3,441.71
8	238.27	8	595.41	8	952.39	8	1,309.22	8	1,666.38	8	2,023.53	8	2,380.69	8	2,737.47	8	3,094.14	8	3,448.87
1/4	245.71	1/4	602.85	1/4	959.82	1/4	1,316.66	1/4	1,673.82	1/4	2,030.97	1/4	2,388.13	1/4	2,744.90	1/4	3,101.57	1/4	3,455.55
1/2	253.15	1/2	610.30	1/2	967.24	1/2	1,324.10	1/2	1,681.26	1/2	2,038.42	1/2	2,395.57	1/2	2,752.33	1/2	3,109.00	1/2	3,462.24
3/4	260.59	3/4	617.74	3/4	974.67	3/4	1,331.54	3/4	1,688.70	3/4	2,045.86	3/4	2,403.01	3/4	2,759.77	3/4	3,116.43	3/4	3,468.92
9	268.03	9	625.18	9	982.10	9	1,338.98	9	1,696.14	9	2,053.30	9	2,410.46	9	2,767.20	9	3,123.86	9	3,475.61
1/4	275.47	1/4	632.62	1/4	989.52	1/4	1,346.42	1/4	1,703.58	1/4	2,060.74	1/4	2,417.90	1/4	2,774.63	1/4	3,131.30	1/4	3,481.81
1/2	282.91	1/2	640.06	1/2	996.95	1/2	1,353.86	1/2	1,711.02	1/2	2,068.18	1/2	2,425.34	1/2	2,782.06	1/2	3,138.73	1/2	3,488.02
3/4	290.35	3/4	647.50	3/4	1,004.38	3/4	1,361.30	3/4	1,718.46	3/4	2,075.62	3/4	2,432.78	3/4	2,789.49	3/4	3,146.16	3/4	3,494.22
10	297.79	10	654.94	10	1,011.80	10	1,368.74	10	1,725.90	10	2,083.06	10	2,440.22	10	2,796.92	10	3,153.59	10	3,500.43
1/4	305.23	1/4	662.38	1/4	1,019.23	1/4	1,376.18	1/4	1,733.34	1/4	2,090.50	1/4	2,447.65	1/4	2,804.35	1/4	3,161.02	1/4	3,506.16
1/2	312.67	1/2	669.82	1/2	1,026.65	1/2	1,383.63	1/2	1,740.78	1/2	2,097.94	1/2	2,455.08	1/2	2,811.78	1/2	3,168.45	1/2	3,511.88
3/4	320.11	3/4	677.26	3/4	1,034.08	3/4	1,391.07	3/4	1,748.22	3/4	2,105.38	3/4	2,462.51	3/4	2,819.21	3/4	3,175.88	3/4	3,517.61
11	327.55	11	684.70	11	1,041.51	11	1,398.51	11	1,755.67	11	2,112.82	11	2,469.95	11	2,826.64	11	3,183.31	11	3,523.34
1/4	334.99	1/4	692.14	1/4	1,048.93	1/4	1,405.95	1/4	1,763.11	1/4	2,120.26	1/4	2,477.38	1/4	2,834.07	1/4	3,190.74	1/4	3,528.59
1/2	342.43	1/2	699.58	1/2	1,056.36	1/2	1,413.39	1/2	1,770.55	1/2	2,127.71	1/2	2,484.81	1/2	2,841.50	1/2	3,198.17	1/2	3,533.83
3/4	349.87	3/4	707.02	3/4	1,063.79	3/4	1,420.83	3/4	1,777.99	3/4	2,135.15	3/4	2,492.24	3/4	2,848.93	3/4	3,205.60	3/4	3,539.08

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD

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



BARGE "CTC 29100"

3 STBD

INNAGE TABLE HERMETIC

GAUGE HEIGHT 15'-09"

FORMERLY: E2MS 318

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	3,544.33	0	3,764.56	0	3,983.42	0	4,202.09	0	4,419.64	0		0		0		0		0	
1/4	3,549.14	1/4	3,769.13	1/4	3,987.98	1/4	4,206.64	1/4	4,424.11	1/4		1/4		1/4		1/4		1/4	
1/2	3,553.95	1/2	3,773.69	1/2	3,992.53	1/2	4,211.20	1/2	4,428.58	1/2		1/2		1/2		1/2		1/2	
3/4	3,558.75	3/4	3,778.26	3/4	3,997.09	3/4	4,215.75	3/4	4,433.04	3/4		3/4		3/4		3/4		3/4	
1	3,563.56	1	3,782.83	1	4,001.64	1	4,220.31	1	4,437.51	1		1		1		1		1	
1/4	3,568.13	1/4	3,787.40	1/4	4,006.20	1/4	4,224.86	1/4	4,441.45	1/4		1/4		1/4		1/4		1/4	
1/2	3,572.70	1/2	3,791.97	1/2	4,010.76	1/2	4,229.42	1/2	4,445.39	1/2		1/2		1/2		1/2		1/2	
3/4	3,577.27	3/4	3,796.53	3/4	4,015.31	3/4	4,233.98	3/4	4,449.33	3/4		3/4		3/4		3/4		3/4	
2	3,581.83	2	3,801.10	2	4,019.87	2	4,238.53	2	4,453.27	2		2		2		2		2	
1/4	3,586.40	1/4	3,805.67	1/4	4,024.42	1/4	4,243.09	1/4	4,456.45	1/4		1/4		1/4		1/4		1/4	
1/2	3,590.97	1/2	3,810.24	1/2	4,028.98	1/2	4,247.64	1/2	4,459.63	1/2		1/2		1/2		1/2		1/2	
3/4	3,595.54	3/4	3,814.81	3/4	4,033.53	3/4	4,252.20	3/4	4,462.81	3/4		3/4		3/4		3/4		3/4	
3	3,600.11	3	3,819.37	3	4,038.09	3	4,256.75	3	4,465.99	3		3		3		3		3	
1/4	3,604.67	1/4	3,823.94	1/4	4,042.64	1/4	4,261.31	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,609.24	1/2	3,828.51	1/2	4,047.20	1/2	4,265.86	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,613.81	3/4	3,833.08	3/4	4,051.76	3/4	4,270.42	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,618.38	4	3,837.65	4	4,056.31	4	4,274.97	4		4		4		4		4		4	
1/4	3,622.95	1/4	3,842.20	1/4	4,060.87	1/4	4,279.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,627.51	1/2	3,846.76	1/2	4,065.42	1/2	4,284.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,632.08	3/4	3,851.31	3/4	4,069.98	3/4	4,288.64	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,636.65	5	3,855.87	5	4,074.53	5	4,293.20	5		5		5		5		5		5	
1/4	3,641.22	1/4	3,860.42	1/4	4,079.09	1/4	4,297.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,645.79	1/2	3,864.98	1/2	4,083.64	1/2	4,302.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,650.35	3/4	3,869.54	3/4	4,088.20	3/4	4,306.86	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,654.92	6	3,874.09	6	4,092.75	6	4,311.42	6		6		6		6		6		6	
1/4	3,659.49	1/4	3,878.65	1/4	4,097.31	1/4	4,315.93	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,664.06	1/2	3,883.20	1/2	4,101.87	1/2	4,320.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,668.63	3/4	3,887.76	3/4	4,106.42	3/4	4,324.95	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,673.20	7	3,892.31	7	4,110.98	7	4,329.46	7		7		7		7		7		7	
1/4	3,677.76	1/4	3,896.87	1/4	4,115.53	1/4	4,333.97	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,682.33	1/2	3,901.42	1/2	4,120.09	1/2	4,338.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,686.90	3/4	3,905.98	3/4	4,124.64	3/4	4,342.99	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,691.47	8	3,910.53	8	4,129.20	8	4,347.50	8		8		8		8		8		8	
1/4	3,696.04	1/4	3,915.09	1/4	4,133.75	1/4	4,352.01	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,700.60	1/2	3,919.65	1/2	4,138.31	1/2	4,356.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,705.17	3/4	3,924.20	3/4	4,142.87	3/4	4,361.03	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,709.74	9	3,928.76	9	4,147.42	9	4,365.54	9		9		9		9		9		9	
1/4	3,714.31	1/4	3,933.31	1/4	4,151.98	1/4	4,370.05	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,718.88	1/2	3,937.87	1/2	4,156.53	1/2	4,374.56	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,723.44	3/4	3,942.42	3/4	4,161.09	3/4	4,379.08	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,728.01	10	3,946.98	10	4,165.64	10	4,383.59	10		10		10		10		10		10	
1/4	3,732.58	1/4	3,951.53	1/4	4,170.20	1/4	4,388.10	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,737.15	1/2	3,956.09	1/2	4,174.75	1/2	4,392.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,741.72	3/4	3,960.65	3/4	4,179.31	3/4	4,397.12	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,746.28	11	3,965.20	11	4,183.86	11	4,401.63	11		11		11		11		11		11	
1/4	3,750.85	1/4	3,969.76	1/4	4,188.42	1/4	4,406.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,755.42	1/2	3,974.31	1/2	4,192.98	1/2	4,410.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,759.99	3/4	3,978.87	3/4	4,197.53	3/4	4,415.14	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/09/2020 JS
CALCULATED: 03/10/2020 CL
PRINTED: 03/11/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2020

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



BARGE "CTC 29100"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY: E2MS 318

GAUGE HEIGHT 4'-06"

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	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.

STRAPPED: 03/09/2020 CL
CALCULATED: 03/10/2020 CL
PRINTED: 03/11/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2020

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



BARGE "CTC 29100"

SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY: E2MS 318

GAUGE HEIGHT 5'- 08 1/2"

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES

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BARGE "CTC 29100"

ULLAGE (HERMETIC)
FORMERLY: E2MS 318

	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	00-1/8	- 00-1/8	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	00-1/8	- 00-1/8	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	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4
2 STBD	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	00-1/4	- 00-1/4
3 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
3 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 4'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 235'-09"

March 9, 2020

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29100"

1 PORT ULLAGE TABLE

HERMETIC GAUGE HEIGHT 15'-09 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: E2MS 318

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	4,866.56	0	4,510.19	0	4,152.86	0	3,794.95	0	3,436.59	0	3,078.23	0	2,719.86	0	2,361.43
1/4		1/4		1/4	4,859.18	1/4	4,502.74	1/4	4,145.42	1/4	3,787.49	1/4	3,429.12	1/4	3,070.76	1/4	2,712.40	1/4	2,353.96
1/2		1/2		1/2	4,851.81	1/2	4,495.30	1/2	4,137.97	1/2	3,780.02	1/2	3,421.66	1/2	3,063.29	1/2	2,704.93	1/2	2,346.49
3/4		3/4		3/4	4,844.44	3/4	4,487.85	3/4	4,130.53	3/4	3,772.55	3/4	3,414.19	3/4	3,055.83	3/4	2,697.46	3/4	2,339.03
1	1	1	1	1	4,837.07	1	4,480.41	1	4,123.08	1	3,765.09	1	3,406.72	1	3,048.36	1	2,690.00	1	2,331.56
1/4		1/4		1/4	4,829.70	1/4	4,472.97	1/4	4,115.64	1/4	3,757.62	1/4	3,399.26	1/4	3,040.90	1/4	2,682.53	1/4	2,324.09
1/2		1/2		1/2	4,822.33	1/2	4,465.52	1/2	4,108.20	1/2	3,750.16	1/2	3,391.79	1/2	3,033.43	1/2	2,675.07	1/2	2,316.62
3/4		3/4		3/4	4,814.96	3/4	4,458.08	3/4	4,100.75	3/4	3,742.69	3/4	3,384.33	3/4	3,025.96	3/4	2,667.60	3/4	2,309.15
2	2	2	2	2	4,807.59	2	4,450.63	2	4,093.31	2	3,735.22	2	3,376.86	2	3,018.50	2	2,660.13	2	2,301.69
1/4		1/4		1/4	4,800.22	1/4	4,443.19	1/4	4,085.86	1/4	3,727.76	1/4	3,369.40	1/4	3,011.03	1/4	2,652.67	1/4	2,294.22
1/2		1/2		1/2	4,792.85	1/2	4,435.74	1/2	4,078.42	1/2	3,720.29	1/2	3,361.93	1/2	3,003.57	1/2	2,645.20	1/2	2,286.75
3/4		3/4		3/4	4,785.48	3/4	4,428.30	3/4	4,070.97	3/4	3,712.83	3/4	3,354.46	3/4	2,996.10	3/4	2,637.74	3/4	2,279.28
3	3	3	3	3	4,778.11	3	4,420.86	3	4,063.53	3	3,705.36	3	3,347.00	3	2,988.63	3	2,630.27	3	2,271.81
1/4		1/4		1/4	4,770.74	1/4	4,413.41	1/4	4,056.09	1/4	3,697.89	1/4	3,339.53	1/4	2,981.17	1/4	2,622.81	1/4	2,264.35
1/2		1/2		1/2	4,763.29	1/2	4,405.97	1/2	4,048.64	1/2	3,690.43	1/2	3,332.07	1/2	2,973.70	1/2	2,615.34	1/2	2,256.88
3/4		3/4		3/4	4,755.85	3/4	4,398.52	3/4	4,041.20	3/4	3,682.96	3/4	3,324.60	3/4	2,966.24	3/4	2,607.87	3/4	2,249.41
4	4	4	4	4	4,748.41	4	4,391.08	4	4,033.75	4	3,675.50	4	3,317.13	4	2,958.77	4	2,600.41	4	2,241.94
1/4		1/4		1/4	4,740.96	1/4	4,383.63	1/4	4,026.31	1/4	3,668.03	1/4	3,309.67	1/4	2,951.30	1/4	2,592.94	1/4	2,234.47
1/2		1/2		1/2	4,733.52	1/2	4,376.19	1/2	4,018.86	1/2	3,660.57	1/2	3,302.20	1/2	2,943.84	1/2	2,585.47	1/2	2,227.00
3/4		3/4		3/4	4,726.07	3/4	4,368.75	3/4	4,011.42	3/4	3,653.10	3/4	3,294.74	3/4	2,936.37	3/4	2,578.01	3/4	2,219.54
5	5	5	5	5	4,718.63	5	4,361.30	5	4,003.98	5	3,645.63	5	3,287.27	5	2,928.91	5	2,570.54	5	2,212.07
1/4		1/4		1/4	4,711.18	1/4	4,353.86	1/4	3,996.53	1/4	3,638.17	1/4	3,279.80	1/4	2,921.44	1/4	2,563.07	1/4	2,204.60
1/2		1/2		1/2	4,703.74	1/2	4,346.41	1/2	3,989.06	1/2	3,630.70	1/2	3,272.34	1/2	2,913.98	1/2	2,555.60	1/2	2,197.13
3/4		3/4		3/4	4,696.30	3/4	4,338.97	3/4	3,981.60	3/4	3,623.24	3/4	3,264.87	3/4	2,906.51	3/4	2,548.13	3/4	2,189.66
6	6	6	6	6	4,688.85	6	4,331.52	6	3,974.13	6	3,615.77	6	3,257.41	6	2,899.04	6	2,540.66	6	2,182.20
1/4		1/4	5,023.32	1/4	4,681.41	1/4	4,324.08	1/4	3,966.67	1/4	3,608.30	1/4	3,249.94	1/4	2,891.58	1/4	2,533.20	1/4	2,174.73
1/2		1/2	5,018.13	1/2	4,673.96	1/2	4,316.64	1/2	3,959.20	1/2	3,600.84	1/2	3,242.47	1/2	2,884.11	1/2	2,525.73	1/2	2,167.26
3/4		3/4	5,012.93	3/4	4,666.52	3/4	4,309.19	3/4	3,951.74	3/4	3,593.37	3/4	3,235.01	3/4	2,876.65	3/4	2,518.26	3/4	2,159.79
7	7	7	7	7	4,659.07	7	4,301.75	7	3,944.27	7	3,585.91	7	3,227.54	7	2,869.18	7	2,510.79	7	2,152.32
1/4		1/4	5,002.54	1/4	4,651.63	1/4	4,294.30	1/4	3,936.80	1/4	3,578.44	1/4	3,220.08	1/4	2,861.71	1/4	2,503.32	1/4	2,144.86
1/2		1/2	4,996.10	1/2	4,644.18	1/2	4,286.86	1/2	3,929.34	1/2	3,570.97	1/2	3,212.61	1/2	2,854.25	1/2	2,495.86	1/2	2,137.39
3/4		3/4	4,989.67	3/4	4,636.74	3/4	4,279.41	3/4	3,921.87	3/4	3,563.51	3/4	3,205.15	3/4	2,846.78	3/4	2,488.39	3/4	2,129.92
8	8	8	8	8	4,983.23	8	4,629.30	8	4,271.97	8	3,914.41	8	3,556.04	8	3,197.68	8	2,839.32	8	2,480.92
1/4		1/4	4,976.79	1/4	4,621.85	1/4	4,264.53	1/4	3,906.94	1/4	3,548.58	1/4	3,190.21	1/4	2,831.85	1/4	2,473.45	1/4	2,114.98
1/2		1/2	4,969.49	1/2	4,614.41	1/2	4,257.08	1/2	3,899.47	1/2	3,541.11	1/2	3,182.75	1/2	2,824.38	1/2	2,465.98	1/2	2,107.52
3/4		3/4	4,962.18	3/4	4,606.96	3/4	4,249.64	3/4	3,892.01	3/4	3,533.64	3/4	3,175.28	3/4	2,816.92	3/4	2,458.52	3/4	2,100.05
9	9	9	9	9	4,954.88	9	4,599.52	9	4,242.19	9	3,884.54	9	3,526.18	9	3,167.82	9	2,809.45	9	2,451.05
1/4		1/4	4,947.58	1/4	4,592.07	1/4	4,234.75	1/4	3,877.08	1/4	3,518.71	1/4	3,160.35	1/4	2,801.99	1/4	2,443.58	1/4	2,085.11
1/2		1/2	4,940.22	1/2	4,584.63	1/2	4,227.30	1/2	3,869.61	1/2	3,511.25	1/2	3,152.88	1/2	2,794.52	1/2	2,436.11	1/2	2,077.64
3/4		3/4	4,932.86	3/4	4,577.19	3/4	4,219.86	3/4	3,862.14	3/4	3,503.78	3/4	3,145.42	3/4	2,787.05	3/4	2,428.64	3/4	2,070.17
10	10	10	10	10	4,925.51	10	4,569.74	10	4,212.42	10	3,854.68	10	3,496.32	10	3,137.95	10	2,779.59	10	2,421.18
1/4		1/4	4,918.15	1/4	4,562.30	1/4	4,204.97	1/4	3,847.21	1/4	3,488.85	1/4	3,130.49	1/4	2,772.12	1/4	2,413.71	1/4	2,055.24
1/2		1/2	4,910.78	1/2	4,554.85	1/2	4,197.53	1/2	3,839.75	1/2	3,481.38	1/2	3,123.02	1/2	2,764.66	1/2	2,406.24	1/2	2,047.77
3/4		3/4	4,903.41	3/4	4,547.41	3/4	4,190.08	3/4	3,832.28	3/4	3,473.92	3/4	3,115.55	3/4	2,757.19	3/4	2,398.77	3/4	2,040.30
11	11	11	11	11	4,896.04	11	4,539.96	11	4,182.64	11	3,824.82	11	3,466.45	11	3,108.09	11	2,749.73	11	2,391.30
1/4		1/4	4,888.67	1/4	4,532.52	1/4	4,175.19	1/4	3,817.35	1/4	3,458.99	1/4	3,100.62	1/4	2,742.26	1/4	2,383.83	1/4	2,025.37
1/2		1/2	4,881.30	1/2	4,525.08	1/2	4,167.75	1/2	3,809.88	1/2	3,451.52	1/2	3,093.16	1/2	2,734.79	1/2	2,376.37	1/2	2,017.90
3/4		3/4	4,873.93	3/4	4,517.63	3/4	4,160.31	3/4	3,802.42	3/4	3,444.05	3/4	3,085.69	3/4	2,727.33	3/4	2,368.90	3/4	2,010.43

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'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "CTC 29100"

1 PORT

ULLAGE TABLE HERMETIC

GAUGE HEIGHT 15'-09 1/4"

FORMERLY: E2MS 318

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	2,002.96	0	1,644.49	0	1,286.02	0	928.89	0	571.65	0	229.91	0		0		0		0	
1/4	1,995.49	1/4	1,637.02	1/4	1,278.56	1/4	921.49	1/4	564.19	1/4	223.27	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,988.03	1/2	1,629.56	1/2	1,271.09	1/2	914.08	1/2	556.73	1/2	216.73	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,980.56	3/4	1,622.09	3/4	1,263.62	3/4	906.67	3/4	549.27	3/4	210.18	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,973.09	1	1,614.62	1	1,256.15	1	899.26	1	541.80	1	203.63	1	1	1	1	1	1	1	1
1/4	1,965.62	1/4	1,607.15	1/4	1,248.68	1/4	891.85	1/4	534.34	1/4	197.08	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,958.15	1/2	1,599.68	1/2	1,241.22	1/2	884.44	1/2	526.87	1/2	190.62	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,950.68	3/4	1,592.22	3/4	1,233.75	3/4	877.03	3/4	519.40	3/4	184.16	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,943.22	2	1,584.75	2	1,226.28	2	869.62	2	511.94	2	177.70	2	2	2	2	2	2	2	2
1/4	1,935.75	1/4	1,577.28	1/4	1,218.81	1/4	862.21	1/4	504.47	1/4	171.24	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,928.28	1/2	1,569.81	1/2	1,211.34	1/2	854.80	1/2	497.04	1/2	164.87	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,920.81	3/4	1,562.34	3/4	1,203.87	3/4	847.39	3/4	489.62	3/4	158.50	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,913.34	3	1,554.88	3	1,196.41	3	839.99	3	482.20	3	152.12	3	3	3	3	3	3	3	3
1/4	1,905.88	1/4	1,547.41	1/4	1,188.94	1/4	832.58	1/4	474.77	1/4	145.75	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,898.41	1/2	1,539.94	1/2	1,181.47	1/2	825.17	1/2	467.44	1/2	139.47	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,890.94	3/4	1,532.47	3/4	1,174.00	3/4	817.76	3/4	460.10	3/4	133.18	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,883.47	4	1,525.00	4	1,166.53	4	810.35	4	452.76	4	126.90	4	4	4	4	4	4	4	4
1/4	1,876.00	1/4	1,517.54	1/4	1,159.07	1/4	802.94	1/4	445.43	1/4	120.61	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,868.54	1/2	1,510.07	1/2	1,151.60	1/2	795.52	1/2	438.18	1/2	114.41	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,861.07	3/4	1,502.60	3/4	1,144.13	3/4	788.10	3/4	430.93	3/4	108.22	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,853.60	5	1,495.13	5	1,136.66	5	780.69	5	423.68	5	102.02	5	5	5	5	5	5	5	5
1/4	1,846.13	1/4	1,487.66	1/4	1,129.19	1/4	773.27	1/4	416.43	1/4	95.83	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,838.66	1/2	1,480.19	1/2	1,121.76	1/2	765.80	1/2	409.27	1/2	89.73	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,831.20	3/4	1,472.73	3/4	1,114.32	3/4	758.33	3/4	402.11	3/4	83.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,823.73	6	1,465.26	6	1,106.88	6	750.87	6	394.95	6	77.53	6	6	6	6	6	6	6	6
1/4	1,816.26	1/4	1,457.79	1/4	1,099.45	1/4	743.40	1/4	387.79	1/4	71.43	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,808.79	1/2	1,450.32	1/2	1,092.01	1/2	735.93	1/2	380.71	1/2	65.44	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,801.32	3/4	1,442.85	3/4	1,084.57	3/4	728.46	3/4	373.64	3/4	59.46	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,793.85	7	1,435.39	7	1,077.14	7	721.00	7	366.56	7	53.47	7	7	7	7	7	7	7	7
1/4	1,786.39	1/4	1,427.92	1/4	1,069.70	1/4	713.53	1/4	359.49	1/4	47.49	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,778.92	1/2	1,420.45	1/2	1,062.28	1/2	706.06	1/2	352.50	1/2	42.49	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,771.45	3/4	1,412.98	3/4	1,054.87	3/4	698.59	3/4	345.52	3/4	37.49	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,763.98	8	1,405.51	8	1,047.45	8	691.12	8	338.53	8	32.49	8	8	8	8	8	8	8	8
1/4	1,756.51	1/4	1,398.05	1/4	1,040.03	1/4	683.66	1/4	331.55	1/4	27.49	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,749.05	1/2	1,390.58	1/2	1,032.62	1/2	676.19	1/2	324.65	1/2	24.44	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,741.58	3/4	1,383.11	3/4	1,025.21	3/4	668.72	3/4	317.75	3/4	21.39	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,734.11	9	1,375.64	9	1,017.80	9	661.25	9	310.85	9	18.35	9	9	9	9	9	9	9	9
1/4	1,726.64	1/4	1,368.17	1/4	1,010.39	1/4	653.78	1/4	303.95	1/4	15.30	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,719.17	1/2	1,360.71	1/2	1,002.99	1/2	646.32	1/2	297.14	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,711.71	3/4	1,353.24	3/4	995.58	3/4	638.85	3/4	290.33	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,704.24	10	1,345.77	10	988.17	10	631.38	10	283.52	10		10	10	10	10	10	10	10	10
1/4	1,696.77	1/4	1,338.30	1/4	980.76	1/4	623.91	1/4	276.71	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,689.30	1/2	1,330.83	1/2	973.35	1/2	616.44	1/2	269.99	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,681.83	3/4	1,323.36	3/4	965.94	3/4	608.98	3/4	263.26	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,674.37	11	1,315.90	11	958.53	11	601.51	11	256.54	11		11	11	11	11	11	11	11	11
1/4	1,666.90	1/4	1,308.43	1/4	951.12	1/4	594.04	1/4	249.82	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,659.43	1/2	1,300.96	1/2	943.71	1/2	586.58	1/2	243.18	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,651.96	3/4	1,293.49	3/4	936.30	3/4	579.12	3/4	236.55	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: 03/09/2020 JS
CALCULATED: 03/10/2020 CL
PRINTED: 03/11/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "CTC 29100"

1 STBD ULLAGE TABLE

HERMETIC GAUGE HEIGHT 15'-09 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: E2MS 318

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	4,864.52	0	4,509.07	0	4,152.60	0	3,795.56	0	3,438.03	0	3,080.50	0	2,722.97	0	2,365.39
1/4		1/4		1/4	4,857.17	1/4	4,501.65	1/4	4,145.17	1/4	3,788.11	1/4	3,430.58	1/4	3,073.05	1/4	2,715.52	1/4	2,357.93
1/2		1/2		1/2	4,849.81	1/2	4,494.22	1/2	4,137.75	1/2	3,780.66	1/2	3,423.13	1/2	3,065.60	1/2	2,708.08	1/2	2,350.48
3/4		3/4		3/4	4,842.46	3/4	4,486.79	3/4	4,130.32	3/4	3,773.21	3/4	3,415.68	3/4	3,058.16	3/4	2,700.63	3/4	2,343.03
1	1	1	1	1	4,835.11	1	4,479.37	1	4,122.90	1	3,765.76	1	3,408.24	1	3,050.71	1	2,693.18	1	2,335.58
1/4		1/4		1/4	4,827.75	1/4	4,471.94	1/4	4,115.47	1/4	3,758.31	1/4	3,400.79	1/4	3,043.26	1/4	2,685.73	1/4	2,328.13
1/2		1/2		1/2	4,820.40	1/2	4,464.51	1/2	4,108.04	1/2	3,750.87	1/2	3,393.34	1/2	3,035.81	1/2	2,678.28	1/2	2,320.68
3/4		3/4		3/4	4,813.05	3/4	4,457.09	3/4	4,100.62	3/4	3,743.42	3/4	3,385.89	3/4	3,028.36	3/4	2,670.83	3/4	2,313.23
2	2	2	2	2	4,805.69	2	4,449.66	2	4,093.19	2	3,735.97	2	3,378.44	2	3,020.91	2	2,663.39	2	2,305.78
1/4		1/4		1/4	4,798.34	1/4	4,442.23	1/4	4,085.76	1/4	3,728.52	1/4	3,370.99	1/4	3,013.46	1/4	2,655.94	1/4	2,298.33
1/2		1/2		1/2	4,790.99	1/2	4,434.81	1/2	4,078.34	1/2	3,721.07	1/2	3,363.54	1/2	3,006.02	1/2	2,648.49	1/2	2,290.88
3/4		3/4		3/4	4,783.63	3/4	4,427.38	3/4	4,070.91	3/4	3,713.62	3/4	3,356.10	3/4	2,998.57	3/4	2,641.04	3/4	2,283.43
3	3	3	3	3	4,776.28	3	4,419.96	3	4,063.48	3	3,706.18	3	3,348.65	3	2,991.12	3	2,633.59	3	2,275.98
1/4		1/4		1/4	4,768.93	1/4	4,412.53	1/4	4,056.06	1/4	3,698.73	1/4	3,341.20	1/4	2,983.67	1/4	2,626.14	1/4	2,268.53
1/2		1/2		1/2	4,761.57	1/2	4,405.10	1/2	4,048.63	1/2	3,691.28	1/2	3,333.75	1/2	2,976.22	1/2	2,618.69	1/2	2,261.08
3/4		3/4		3/4	4,754.15	3/4	4,397.68	3/4	4,041.20	3/4	3,683.83	3/4	3,326.30	3/4	2,968.77	3/4	2,611.25	3/4	2,253.63
4	4	4	4	4	4,746.72	4	4,390.25	4	4,033.78	4	3,676.38	4	3,318.85	4	2,961.33	4	2,603.80	4	2,246.18
1/4		1/4		1/4	4,739.29	1/4	4,382.82	1/4	4,026.35	1/4	3,668.93	1/4	3,311.40	1/4	2,953.88	1/4	2,596.35	1/4	2,238.73
1/2		1/2		1/2	4,731.87	1/2	4,375.40	1/2	4,018.92	1/2	3,661.48	1/2	3,303.96	1/2	2,946.43	1/2	2,588.90	1/2	2,231.28
3/4		3/4		3/4	4,724.44	3/4	4,367.97	3/4	4,011.50	3/4	3,654.04	3/4	3,296.51	3/4	2,938.98	3/4	2,581.45	3/4	2,223.83
5	5	5	5	5	4,717.02	5	4,360.54	5	4,004.07	5	3,646.59	5	3,289.06	5	2,931.53	5	2,574.00	5	2,216.38
1/4		1/4		1/4	4,709.59	1/4	4,353.12	1/4	3,996.64	1/4	3,639.14	1/4	3,281.61	1/4	2,924.08	1/4	2,566.55	1/4	2,208.92
1/2		1/2		1/2	4,702.16	1/2	4,345.69	1/2	3,989.22	1/2	3,631.69	1/2	3,274.16	1/2	2,916.63	1/2	2,559.10	1/2	2,201.47
3/4		3/4		3/4	4,694.74	3/4	4,338.26	3/4	3,981.77	3/4	3,624.24	3/4	3,266.71	3/4	2,909.19	3/4	2,551.65	3/4	2,194.02
6	6	6	6	6	4,687.31	6	4,330.84	6	3,974.32	6	3,616.79	6	3,259.27	6	2,901.74	6	2,544.20	6	2,186.57
1/4		1/4		1/4	4,679.88	1/4	4,323.41	1/4	3,966.87	1/4	3,609.34	1/4	3,251.82	1/4	2,894.29	1/4	2,536.75	1/4	2,179.12
1/2		1/2		1/2	5,013.56	1/2	4,672.46	1/2	4,315.98	1/2	3,959.42	1/2	3,601.90	1/2	3,244.37	1/2	2,886.84	1/2	2,529.30
3/4		3/4		3/4	5,008.38	3/4	4,665.03	3/4	4,308.56	3/4	3,951.98	3/4	3,594.45	3/4	3,236.92	3/4	2,879.39	3/4	2,521.85
7	7	7	7	7	5,003.20	7	4,657.60	7	4,301.13	7	3,944.53	7	3,587.00	7	3,229.47	7	2,871.94	7	2,514.40
1/4		1/4		1/4	4,998.01	1/4	4,650.18	1/4	4,293.70	1/4	3,937.08	1/4	3,579.55	1/4	3,222.02	1/4	2,864.49	1/4	2,506.94
1/2		1/2		1/2	4,992.83	1/2	4,642.75	1/2	4,286.28	1/2	3,929.63	1/2	3,572.10	1/2	3,214.57	1/2	2,857.05	1/2	2,499.49
3/4		3/4		3/4	4,986.41	3/4	4,635.32	3/4	4,278.85	3/4	3,922.18	3/4	3,564.65	3/4	3,207.13	3/4	2,849.60	3/4	2,492.04
8	8	8	8	8	4,979.99	8	4,627.90	8	4,271.43	8	3,914.73	8	3,557.21	8	3,199.68	8	2,842.15	8	2,484.59
1/4		1/4		1/4	4,973.56	1/4	4,620.47	1/4	4,264.00	1/4	3,907.28	1/4	3,549.76	1/4	3,192.23	1/4	2,834.70	1/4	2,477.14
1/2		1/2		1/2	4,967.14	1/2	4,613.04	1/2	4,256.57	1/2	3,899.84	1/2	3,542.31	1/2	3,184.78	1/2	2,827.25	1/2	2,469.69
3/4		3/4		3/4	4,959.85	3/4	4,605.62	3/4	4,249.15	3/4	3,892.39	3/4	3,534.86	3/4	3,177.33	3/4	2,819.80	3/4	2,462.24
9	9	9	9	9	4,952.57	9	4,598.19	9	4,241.72	9	3,884.94	9	3,527.41	9	3,169.88	9	2,812.36	9	2,454.79
1/4		1/4		1/4	4,945.28	1/4	4,590.76	1/4	4,234.29	1/4	3,877.49	1/4	3,519.96	1/4	3,162.43	1/4	2,804.91	1/4	2,447.34
1/2		1/2		1/2	4,938.00	1/2	4,583.34	1/2	4,226.87	1/2	3,870.04	1/2	3,512.51	1/2	3,154.99	1/2	2,797.46	1/2	2,439.89
3/4		3/4		3/4	4,930.66	3/4	4,575.91	3/4	4,219.44	3/4	3,862.59	3/4	3,505.07	3/4	3,147.54	3/4	2,790.01	3/4	2,432.44
10	10	10	10	10	4,923.32	10	4,568.49	10	4,212.01	10	3,855.15	10	3,497.62	10	3,140.09	10	2,782.56	10	2,424.99
1/4		1/4		1/4	4,915.98	1/4	4,561.06	1/4	4,204.59	1/4	3,847.70	1/4	3,490.17	1/4	3,132.64	1/4	2,775.11	1/4	2,417.54
1/2		1/2		1/2	4,908.64	1/2	4,553.63	1/2	4,197.16	1/2	3,840.25	1/2	3,482.72	1/2	3,125.19	1/2	2,767.66	1/2	2,410.09
3/4		3/4		3/4	4,901.29	3/4	4,546.21	3/4	4,189.73	3/4	3,832.80	3/4	3,475.27	3/4	3,117.74	3/4	2,760.22	3/4	2,402.64
11	11	11	11	11	4,893.93	11	4,538.78	11	4,182.31	11	3,825.35	11	3,467.82	11	3,110.30	11	2,752.77	11	2,395.19
1/4		1/4		1/4	4,886.58	1/4	4,531.35	1/4	4,174.88	1/4	3,817.90	1/4	3,460.37	1/4	3,102.85	1/4	2,745.32	1/4	2,387.74
1/2		1/2		1/2	4,879.23	1/2	4,523.93	1/2	4,167.45	1/2	3,810.45	1/2	3,452.93	1/2	3,095.40	1/2	2,737.87	1/2	2,380.29
3/4		3/4		3/4	4,871.88	3/4	4,516.50	3/4	4,160.03	3/4	3,803.01	3/4	3,445.48	3/4	3,087.95	3/4	2,730.42	3/4	2,372.84

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'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "CTC 29100"

1 STBD

ULLAGE TABLE HERMETIC

GAUGE HEIGHT 15'-09 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: E2MS 318

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,007.76	0	1,650.14	0	1,292.51	0	935.13	0	577.76	0	235.97	0		0		0		0	
1/4	2,000.31	1/4	1,642.69	1/4	1,285.06	1/4	927.70	1/4	570.31	1/4	229.35	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,992.86	1/2	1,635.24	1/2	1,277.61	1/2	920.26	1/2	562.86	1/2	222.73	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,985.41	3/4	1,627.79	3/4	1,270.16	3/4	912.82	3/4	555.41	3/4	216.20	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,977.96	1	1,620.34	1	1,262.71	1	905.39	1	547.96	1	209.67	1	1	1	1	1	1	1	1
1/4	1,970.51	1/4	1,612.88	1/4	1,255.26	1/4	897.95	1/4	540.51	1/4	203.13	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,963.06	1/2	1,605.43	1/2	1,247.81	1/2	890.51	1/2	533.06	1/2	196.60	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,955.61	3/4	1,597.98	3/4	1,240.36	3/4	883.08	3/4	525.61	3/4	190.16	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,948.16	2	1,590.53	2	1,232.91	2	875.64	2	518.16	2	183.71	2	2	2	2	2	2	2	2
1/4	1,940.71	1/4	1,583.08	1/4	1,225.46	1/4	868.21	1/4	510.71	1/4	177.27	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,933.26	1/2	1,575.63	1/2	1,218.01	1/2	860.77	1/2	503.26	1/2	170.82	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,925.81	3/4	1,568.18	3/4	1,210.56	3/4	853.33	3/4	495.85	3/4	164.47	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,918.36	3	1,560.73	3	1,203.11	3	845.90	3	488.44	3	158.11	3	3	3	3	3	3	3	3
1/4	1,910.90	1/4	1,553.28	1/4	1,195.66	1/4	838.46	1/4	481.04	1/4	151.75	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,903.45	1/2	1,545.83	1/2	1,188.21	1/2	831.02	1/2	473.63	1/2	145.39	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,896.00	3/4	1,538.38	3/4	1,180.76	3/4	823.59	3/4	466.31	3/4	139.12	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,888.55	4	1,530.93	4	1,173.31	4	816.15	4	458.99	4	132.85	4	4	4	4	4	4	4	4
1/4	1,881.10	1/4	1,523.48	1/4	1,165.85	1/4	808.71	1/4	451.67	1/4	126.58	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,873.65	1/2	1,516.03	1/2	1,158.40	1/2	801.28	1/2	444.35	1/2	120.31	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,866.20	3/4	1,508.58	3/4	1,150.95	3/4	793.83	3/4	437.12	3/4	114.13	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,858.75	5	1,501.13	5	1,143.50	5	786.38	5	429.89	5	107.95	5	5	5	5	5	5	5	5
1/4	1,851.30	1/4	1,493.68	1/4	1,136.05	1/4	778.93	1/4	422.66	1/4	101.77	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,843.85	1/2	1,486.23	1/2	1,128.60	1/2	771.48	1/2	415.43	1/2	95.59	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,836.40	3/4	1,478.78	3/4	1,121.15	3/4	764.03	3/4	408.28	3/4	89.51	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,828.95	6	1,471.33	6	1,113.70	6	756.58	6	401.14	6	83.42	6	6	6	6	6	6	6	6
1/4	1,821.50	1/4	1,463.87	1/4	1,106.25	1/4	749.12	1/4	393.99	1/4	77.34	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,814.05	1/2	1,456.42	1/2	1,098.80	1/2	741.67	1/2	386.85	1/2	71.25	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,806.60	3/4	1,448.97	3/4	1,091.36	3/4	734.22	3/4	379.79	3/4	65.28	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,799.15	7	1,441.52	7	1,083.91	7	726.77	7	372.74	7	59.31	7	7	7	7	7	7	7	7
1/4	1,791.70	1/4	1,434.07	1/4	1,076.47	1/4	719.32	1/4	365.68	1/4	53.34	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,784.25	1/2	1,426.62	1/2	1,069.02	1/2	711.87	1/2	358.62	1/2	47.37	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,776.80	3/4	1,419.17	3/4	1,061.58	3/4	704.42	3/4	351.65	3/4	42.38	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,769.35	8	1,411.72	8	1,054.13	8	696.97	8	344.68	8	37.39	8	8	8	8	8	8	8	8
1/4	1,761.89	1/4	1,404.27	1/4	1,046.69	1/4	689.52	1/4	337.71	1/4	32.41	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,754.44	1/2	1,396.82	1/2	1,039.24	1/2	682.07	1/2	330.74	1/2	27.42	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,746.99	3/4	1,389.37	3/4	1,031.81	3/4	674.62	3/4	323.86	3/4	24.38	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,739.54	9	1,381.92	9	1,024.37	9	667.17	9	316.98	9	21.34	9	9	9	9	9	9	9	9
1/4	1,732.09	1/4	1,374.47	1/4	1,016.93	1/4	659.72	1/4	310.10	1/4	18.30	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,724.64	1/2	1,367.02	1/2	1,009.50	1/2	652.27	1/2	303.22	1/2	15.27	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,717.19	3/4	1,359.57	3/4	1,002.06	3/4	644.82	3/4	296.42	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,709.74	10	1,352.12	10	994.62	10	637.37	10	289.63	10		10	10	10	10	10	10	10	10
1/4	1,702.29	1/4	1,344.67	1/4	987.19	1/4	629.92	1/4	282.83	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,694.84	1/2	1,337.22	1/2	979.75	1/2	622.47	1/2	276.04	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,687.39	3/4	1,329.77	3/4	972.32	3/4	615.02	3/4	269.33	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,679.94	11	1,322.32	11	964.88	11	607.57	11	262.62	11		11	11	11	11	11	11	11	11
1/4	1,672.49	1/4	1,314.86	1/4	957.44	1/4	600.11	1/4	255.92	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,665.04	1/2	1,307.41	1/2	950.01	1/2	592.66	1/2	249.21	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,657.59	3/4	1,299.96	3/4	942.57	3/4	585.21	3/4	242.59	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: 03/09/2020 JS
CALCULATED: 03/10/2020 CL
PRINTED: 03/11/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2020

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



BARGE "CTC 29100"

2 PORT ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: E2MS 318

GAUGE HEIGHT 15'-09"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	4,930.38	0	4,572.36	0	4,213.54	0	3,854.12	0	3,494.27	0	3,134.41	0	2,774.55	0	2,414.70
1/4		1/4		1/4	4,922.97	1/4	4,564.88	1/4	4,206.07	1/4	3,846.62	1/4	3,486.77	1/4	3,126.91	1/4	2,767.06	1/4	2,407.20
1/2		1/2		1/2	4,915.56	1/2	4,557.41	1/2	4,198.59	1/2	3,839.13	1/2	3,479.27	1/2	3,119.42	1/2	2,759.56	1/2	2,399.70
3/4		3/4		3/4	4,908.15	3/4	4,549.93	3/4	4,191.12	3/4	3,831.63	3/4	3,471.78	3/4	3,111.92	3/4	2,752.06	3/4	2,392.21
1	1	1	1	1	4,900.74	1	4,542.46	1	4,183.64	1	3,824.13	1	3,464.28	1	3,104.42	1	2,744.57	1	2,384.71
1/4		1/4		1/4	4,893.33	1/4	4,534.98	1/4	4,176.17	1/4	3,816.64	1/4	3,456.78	1/4	3,096.93	1/4	2,737.07	1/4	2,377.21
1/2		1/2		1/2	4,885.92	1/2	4,527.51	1/2	4,168.69	1/2	3,809.14	1/2	3,449.28	1/2	3,089.43	1/2	2,729.57	1/2	2,369.72
3/4		3/4		3/4	4,878.52	3/4	4,520.03	3/4	4,161.22	3/4	3,801.64	3/4	3,441.79	3/4	3,081.93	3/4	2,722.08	3/4	2,362.22
2	2	2	2	2	4,871.11	2	4,512.56	2	4,153.74	2	3,794.15	2	3,434.29	2	3,074.43	2	2,714.58	2	2,354.72
1/4		1/4		1/4	4,863.70	1/4	4,505.08	1/4	4,146.27	1/4	3,786.65	1/4	3,426.79	1/4	3,066.94	1/4	2,707.08	1/4	2,347.23
1/2		1/2		1/2	4,856.29	1/2	4,497.61	1/2	4,138.79	1/2	3,779.15	1/2	3,419.30	1/2	3,059.44	1/2	2,699.58	1/2	2,339.73
3/4		3/4		3/4	4,848.88	3/4	4,490.13	3/4	4,131.32	3/4	3,771.66	3/4	3,411.80	3/4	3,051.94	3/4	2,692.09	3/4	2,332.23
3	3	3	3	3	4,841.47	3	4,482.65	3	4,123.84	3	3,764.16	3	3,404.30	3	3,044.45	3	2,684.59	3	2,324.73
1/4		1/4		1/4	4,833.99	1/4	4,475.18	1/4	4,116.37	1/4	3,756.66	1/4	3,396.81	1/4	3,036.95	1/4	2,677.09	1/4	2,317.24
1/2		1/2		1/2	4,826.52	1/2	4,467.70	1/2	4,108.89	1/2	3,749.16	1/2	3,389.31	1/2	3,029.45	1/2	2,669.60	1/2	2,309.74
3/4		3/4		3/4	4,819.04	3/4	4,460.23	3/4	4,101.41	3/4	3,741.67	3/4	3,381.81	3/4	3,021.96	3/4	2,662.10	3/4	2,302.24
4	4	4	4	4	4,811.57	4	4,452.75	4	4,093.94	4	3,734.17	4	3,374.31	4	3,014.46	4	2,654.60	4	2,294.75
1/4		1/4		1/4	4,804.09	1/4	4,445.28	1/4	4,086.46	1/4	3,726.67	1/4	3,366.82	1/4	3,006.96	1/4	2,647.11	1/4	2,287.25
1/2		1/2		1/2	4,796.62	1/2	4,437.80	1/2	4,078.99	1/2	3,719.18	1/2	3,359.32	1/2	2,999.46	1/2	2,639.61	1/2	2,279.75
3/4		3/4		3/4	4,789.14	3/4	4,430.33	3/4	4,071.51	3/4	3,711.68	3/4	3,351.82	3/4	2,991.97	3/4	2,632.11	3/4	2,272.26
5	5	5	5	5	4,781.67	5	4,422.85	5	4,064.04	5	3,704.18	5	3,344.33	5	2,984.47	5	2,624.61	5	2,264.76
1/4		1/4		1/4	4,774.19	1/4	4,415.38	1/4	4,056.54	1/4	3,696.69	1/4	3,336.83	1/4	2,976.97	1/4	2,617.12	1/4	2,257.26
1/2		1/2		1/2	4,766.72	1/2	4,407.90	1/2	4,049.04	1/2	3,689.19	1/2	3,329.33	1/2	2,969.48	1/2	2,609.62	1/2	2,249.76
3/4		3/4		3/4	4,759.24	3/4	4,400.43	3/4	4,041.55	3/4	3,681.69	3/4	3,321.84	3/4	2,961.98	3/4	2,602.12	3/4	2,242.27
6	6	9	5,095.34	6	4,751.77	6	4,392.95	6	4,034.05	6	3,674.19	6	3,314.34	6	2,954.48	6	2,594.63	6	2,234.77
1/4		1/4	5,090.12	1/4	4,744.29	1/4	4,385.48	1/4	4,026.55	1/4	3,666.70	1/4	3,306.84	1/4	2,946.99	1/4	2,587.13	1/4	2,227.27
1/2		1/2	5,084.90	1/2	4,736.82	1/2	4,378.00	1/2	4,019.06	1/2	3,659.20	1/2	3,299.34	1/2	2,939.49	1/2	2,579.63	1/2	2,219.78
3/4		3/4	5,079.67	3/4	4,729.34	3/4	4,370.53	3/4	4,011.56	3/4	3,651.70	3/4	3,291.85	3/4	2,931.99	3/4	2,572.14	3/4	2,212.28
7	7	7	5,074.45	7	4,721.86	7	4,363.05	7	4,004.06	7	3,644.21	7	3,284.35	7	2,924.49	7	2,564.64	7	2,204.78
1/4		1/4	5,067.98	1/4	4,714.39	1/4	4,355.57	1/4	3,996.56	1/4	3,636.71	1/4	3,276.85	1/4	2,917.00	1/4	2,557.14	1/4	2,197.29
1/2		1/2	5,061.51	1/2	4,706.91	1/2	4,348.10	1/2	3,989.07	1/2	3,629.21	1/2	3,269.36	1/2	2,909.50	1/2	2,549.64	1/2	2,189.79
3/4		3/4	5,055.04	3/4	4,699.44	3/4	4,340.62	3/4	3,981.57	3/4	3,621.72	3/4	3,261.86	3/4	2,902.00	3/4	2,542.15	3/4	2,182.29
8	8	8	5,048.56	8	4,691.96	8	4,333.15	8	3,974.07	8	3,614.22	8	3,254.36	8	2,894.51	8	2,534.65	8	2,174.79
1/4		1/4	5,041.23	1/4	4,684.49	1/4	4,325.67	1/4	3,966.58	1/4	3,606.72	1/4	3,246.87	1/4	2,887.01	1/4	2,527.15	1/4	2,167.30
1/2		1/2	5,033.89	1/2	4,677.01	1/2	4,318.20	1/2	3,959.08	1/2	3,599.22	1/2	3,239.37	1/2	2,879.51	1/2	2,519.66	1/2	2,159.80
3/4		3/4	5,026.55	3/4	4,669.54	3/4	4,310.72	3/4	3,951.58	3/4	3,591.73	3/4	3,231.87	3/4	2,872.02	3/4	2,512.16	3/4	2,152.30
9	9	9	5,019.21	9	4,662.06	9	4,303.25	9	3,944.09	9	3,584.23	9	3,224.37	9	2,864.52	9	2,504.66	9	2,144.81
1/4		1/4	5,011.82	1/4	4,654.59	1/4	4,295.77	1/4	3,936.59	1/4	3,576.73	1/4	3,216.88	1/4	2,857.02	1/4	2,497.17	1/4	2,137.31
1/2		1/2	5,004.42	1/2	4,647.11	1/2	4,288.30	1/2	3,929.09	1/2	3,569.24	1/2	3,209.38	1/2	2,849.52	1/2	2,489.67	1/2	2,129.81
3/4		3/4	4,997.03	3/4	4,639.64	3/4	4,280.82	3/4	3,921.59	3/4	3,561.74	3/4	3,201.88	3/4	2,842.03	3/4	2,482.17	3/4	2,122.32
10	10	10	4,989.64	10	4,632.16	10	4,273.35	10	3,914.10	10	3,554.24	10	3,194.39	10	2,834.53	10	2,474.67	10	2,114.82
1/4		1/4	4,982.23	1/4	4,624.69	1/4	4,265.87	1/4	3,906.60	1/4	3,546.75	1/4	3,186.89	1/4	2,827.03	1/4	2,467.18	1/4	2,107.32
1/2		1/2	4,974.83	1/2	4,617.21	1/2	4,258.40	1/2	3,899.10	1/2	3,539.25	1/2	3,179.39	1/2	2,819.54	1/2	2,459.68	1/2	2,099.82
3/4		3/4	4,967.42	3/4	4,609.73	3/4	4,250.92	3/4	3,891.61	3/4	3,531.75	3/4	3,171.90	3/4	2,812.04	3/4	2,452.18	3/4	2,092.33
11	11	11	4,960.02	11	4,602.26	11	4,243.45	11	3,884.11	11	3,524.25	11	3,164.40	11	2,804.54	11	2,444.69	11	2,084.83
1/4		1/4	4,952.61	1/4	4,594.78	1/4	4,235.97	1/4	3,876.61	1/4	3,516.76	1/4	3,156.90	1/4	2,797.05	1/4	2,437.19	1/4	2,077.33
1/2		1/2	4,945.20	1/2	4,587.31	1/2	4,228.49	1/2	3,869.12	1/2	3,509.26	1/2	3,149.40	1/2	2,789.55	1/2	2,429.69	1/2	2,069.84
3/4		3/4	4,937.79	3/4	4,579.83	3/4	4,221.02	3/4	3,861.62	3/4	3,501.76	3/4	3,141.91	3/4	2,782.05	3/4	2,422.20	3/4	2,062.34

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'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "CTC 29100"

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

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: E2MS 318

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	2,054.84	0	1,694.99	0	1,335.13	0	983.72	0	629.92	0	270.06	0		0		0		0	
1/4	2,047.35	1/4	1,687.49	1/4	1,327.63	1/4	976.53	1/4	622.42	1/4	262.56	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,039.85	1/2	1,679.99	1/2	1,320.14	1/2	969.34	1/2	614.92	1/2	255.07	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,032.35	3/4	1,672.50	3/4	1,312.64	3/4	962.15	3/4	607.43	3/4	247.57	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,024.85	1	1,665.00	1	1,305.14	1	954.96	1	599.93	1	240.07	1	1	1	1	1	1	1	1
1/4	2,017.36	1/4	1,657.50	1/4	1,297.65	1/4	947.78	1/4	592.43	1/4	232.58	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,009.86	1/2	1,650.00	1/2	1,290.15	1/2	940.59	1/2	584.94	1/2	225.08	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,002.36	3/4	1,642.51	3/4	1,282.65	3/4	933.40	3/4	577.44	3/4	217.58	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,994.87	2	1,635.01	2	1,275.15	2	926.21	2	569.94	2	210.09	2	2	2	2	2	2	2	2
1/4	1,987.37	1/4	1,627.51	1/4	1,267.66	1/4	919.02	1/4	562.44	1/4	202.59	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,979.87	1/2	1,620.02	1/2	1,260.16	1/2	911.83	1/2	554.95	1/2	195.09	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,972.38	3/4	1,612.52	3/4	1,252.66	3/4	904.64	3/4	547.45	3/4	187.59	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,964.88	3	1,605.02	3	1,245.17	3	897.45	3	539.95	3	180.10	3	3	3	3	3	3	3	3
1/4	1,957.38	1/4	1,597.53	1/4	1,237.67	1/4	890.26	1/4	532.46	1/4	172.60	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,949.88	1/2	1,590.03	1/2	1,230.17	1/2	883.07	1/2	524.96	1/2	165.10	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,942.39	3/4	1,582.53	3/4	1,222.68	3/4	875.88	3/4	517.46	3/4	157.61	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,934.89	4	1,575.03	4	1,215.18	4	868.69	4	509.97	4	150.11	4	4	4	4	4	4	4	4
1/4	1,927.39	1/4	1,567.54	1/4	1,207.68	1/4	861.48	1/4	502.47	1/4	142.61	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,919.90	1/2	1,560.04	1/2	1,200.18	1/2	854.26	1/2	494.97	1/2	135.12	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,912.40	3/4	1,552.54	3/4	1,192.69	3/4	847.05	3/4	487.47	3/4	127.62	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,904.90	5	1,545.05	5	1,185.19	5	839.83	5	479.98	5	120.13	5	5	5	5	5	5	5	5
1/4	1,897.41	1/4	1,537.55	1/4	1,177.69	1/4	832.34	1/4	472.48	1/4	112.64	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,889.91	1/2	1,530.05	1/2	1,170.19	1/2	824.84	1/2	464.98	1/2	105.15	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,882.41	3/4	1,522.56	3/4	1,162.69	3/4	817.34	3/4	457.49	3/4	97.67	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,874.91	6	1,515.06	6	1,155.19	6	809.85	6	449.99	6	90.18	6	6	6	6	6	6	6	6
1/4	1,867.42	1/4	1,507.56	1/4	1,147.69	1/4	802.35	1/4	442.49	1/4	82.72	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,859.92	1/2	1,500.06	1/2	1,140.19	1/2	794.85	1/2	435.00	1/2	75.26	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,852.42	3/4	1,492.57	3/4	1,132.69	3/4	787.35	3/4	427.50	3/4	67.80	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,844.93	7	1,485.07	7	1,125.19	7	779.86	7	420.00	7	60.34	7	7	7	7	7	7	7	7
1/4	1,837.43	1/4	1,477.57	1/4	1,117.69	1/4	772.36	1/4	412.50	1/4	53.78	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,829.93	1/2	1,470.08	1/2	1,110.19	1/2	764.86	1/2	405.01	1/2	47.22	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,822.44	3/4	1,462.58	3/4	1,102.69	3/4	757.37	3/4	397.51	3/4	40.66	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,814.94	8	1,455.08	8	1,095.19	8	749.87	8	390.01	8	34.11	8	8	8	8	8	8	8	8
1/4	1,807.44	1/4	1,447.59	1/4	1,087.69	1/4	742.37	1/4	382.52	1/4	29.42	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,799.94	1/2	1,440.09	1/2	1,080.19	1/2	734.88	1/2	375.02	1/2	24.73	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,792.45	3/4	1,432.59	3/4	1,072.69	3/4	727.38	3/4	367.52	3/4	20.05	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,784.95	9	1,425.09	9	1,065.19	9	719.88	9	360.03	9	15.36	9	9	9	9	9	9	9	9
1/4	1,777.45	1/4	1,417.60	1/4	1,057.69	1/4	712.38	1/4	352.53	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,769.96	1/2	1,410.10	1/2	1,050.19	1/2	704.89	1/2	345.03	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,762.46	3/4	1,402.60	3/4	1,042.69	3/4	697.39	3/4	337.53	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,754.96	10	1,395.11	10	1,035.19	10	689.89	10	330.04	10		10	10	10	10	10	10	10	10
1/4	1,747.47	1/4	1,387.61	1/4	1,027.69	1/4	682.40	1/4	322.54	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,739.97	1/2	1,380.11	1/2	1,020.19	1/2	674.90	1/2	315.04	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,732.47	3/4	1,372.62	3/4	1,012.69	3/4	667.40	3/4	307.55	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,724.97	11	1,365.12	11	1,005.19	11	659.91	11	300.05	11		11	11	11	11	11	11	11	11
1/4	1,717.48	1/4	1,357.62	1/4	997.69	1/4	652.41	1/4	292.55	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,709.98	1/2	1,350.12	1/2	990.19	1/2	644.91	1/2	285.06	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,702.48	3/4	1,342.63	3/4	982.69	3/4	637.41	3/4	277.56	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: 03/09/2020 JS
CALCULATED: 03/10/2020 CL
PRINTED: 03/11/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2020

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



BARGE "CTC 29100"

2 STBD ULLAGE TABLE

HERMETIC GAUGE HEIGHT 15'-09 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: E2MS 318

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	4,946.05	0	4,588.65	0	4,230.30	0	3,871.36	0	3,511.97	0	3,152.59	0	2,793.20	0	2,433.75
1/4	1/4	1/4	1/4	1/4	4,938.66	1/4	4,581.19	1/4	4,222.83	1/4	3,863.87	1/4	3,504.49	1/4	3,145.10	1/4	2,785.72	1/4	2,426.26
1/2	1/2	1/2	1/2	1/2	4,931.27	1/2	4,573.72	1/2	4,215.36	1/2	3,856.39	1/2	3,497.00	1/2	3,137.61	1/2	2,778.23	1/2	2,418.77
3/4	3/4	3/4	3/4	3/4	4,923.87	3/4	4,566.26	3/4	4,207.90	3/4	3,848.90	3/4	3,489.51	3/4	3,130.13	3/4	2,770.74	3/4	2,411.28
1	1	1	1	1	4,916.48	1	4,558.79	1	4,200.43	1	3,841.41	1	3,482.03	1	3,122.64	1	2,763.25	1	2,403.79
1/4	1/4	1/4	1/4	1/4	4,909.09	1/4	4,551.33	1/4	4,192.97	1/4	3,833.92	1/4	3,474.54	1/4	3,115.15	1/4	2,755.77	1/4	2,396.30
1/2	1/2	1/2	1/2	1/2	4,901.70	1/2	4,543.86	1/2	4,185.50	1/2	3,826.44	1/2	3,467.05	1/2	3,107.67	1/2	2,748.28	1/2	2,388.81
3/4	3/4	3/4	3/4	3/4	4,894.31	3/4	4,536.39	3/4	4,178.04	3/4	3,818.95	3/4	3,459.56	3/4	3,100.18	3/4	2,740.79	3/4	2,381.32
2	2	2	2	2	4,886.92	2	4,528.93	2	4,170.57	2	3,811.46	2	3,452.08	2	3,092.69	2	2,733.31	2	2,373.83
1/4	1/4	1/4	1/4	1/4	4,879.52	1/4	4,521.46	1/4	4,163.10	1/4	3,803.97	1/4	3,444.59	1/4	3,085.20	1/4	2,725.82	1/4	2,366.34
1/2	1/2	1/2	1/2	1/2	4,872.13	1/2	4,514.00	1/2	4,155.64	1/2	3,796.49	1/2	3,437.10	1/2	3,077.72	1/2	2,718.33	1/2	2,358.85
3/4	3/4	3/4	3/4	3/4	4,864.74	3/4	4,506.53	3/4	4,148.17	3/4	3,789.00	3/4	3,429.61	3/4	3,070.23	3/4	2,710.84	3/4	2,351.36
3	3	3	3	3	4,857.35	3	4,499.06	3	4,140.71	3	3,781.51	3	3,422.13	3	3,062.74	3	2,703.36	3	2,343.87
1/4	1/4	1/4	1/4	1/4	4,849.96	1/4	4,491.60	1/4	4,133.24	1/4	3,774.03	1/4	3,414.64	1/4	3,055.25	1/4	2,695.87	1/4	2,336.38
1/2	1/2	1/2	1/2	1/2	4,842.49	1/2	4,484.13	1/2	4,125.77	1/2	3,766.54	1/2	3,407.15	1/2	3,047.77	1/2	2,688.38	1/2	2,328.89
3/4	3/4	3/4	3/4	3/4	4,835.03	3/4	4,476.67	3/4	4,118.31	3/4	3,759.05	3/4	3,399.67	3/4	3,040.28	3/4	2,680.89	3/4	2,321.40
4	4	4	4	4	4,827.56	4	4,469.20	4	4,110.84	4	3,751.56	4	3,392.18	4	3,032.79	4	2,673.41	4	2,313.91
1/4	1/4	1/4	1/4	1/4	4,820.09	1/4	4,461.74	1/4	4,103.38	1/4	3,744.08	1/4	3,384.69	1/4	3,025.31	1/4	2,665.92	1/4	2,306.42
1/2	1/2	1/2	1/2	1/2	4,812.63	1/2	4,454.27	1/2	4,095.91	1/2	3,736.59	1/2	3,377.20	1/2	3,017.82	1/2	2,658.43	1/2	2,298.93
3/4	3/4	3/4	3/4	3/4	4,805.16	3/4	4,446.80	3/4	4,088.45	3/4	3,729.10	3/4	3,369.72	3/4	3,010.33	3/4	2,650.94	3/4	2,291.45
5	5	5	5	5	4,797.70	5	4,439.34	5	4,080.98	5	3,721.62	5	3,362.23	5	3,002.84	5	2,643.45	5	2,283.96
1/4	1/4	1/4	1/4	1/4	4,790.23	1/4	4,431.87	1/4	4,073.51	1/4	3,714.13	1/4	3,354.74	1/4	2,995.36	1/4	2,635.96	1/4	2,276.47
1/2	1/2	1/2	1/2	1/2	4,782.77	1/2	4,424.41	1/2	4,066.03	1/2	3,706.64	1/2	3,347.26	1/2	2,987.87	1/2	2,628.47	1/2	2,268.98
3/4	3/4	3/4	3/4	3/4	4,775.30	3/4	4,416.94	3/4	4,058.54	3/4	3,699.15	3/4	3,339.77	3/4	2,980.38	3/4	2,620.98	3/4	2,261.49
6	6	6	6	6	4,767.83	6	4,409.48	6	4,051.05	6	3,691.67	6	3,332.28	6	2,972.90	6	2,613.49	6	2,254.00
1/4	1/4	1/4	1/4	1/4	5,103.28	1/4	4,760.37	1/4	4,402.01	1/4	4,043.57	1/4	3,684.18	1/4	3,324.79	1/4	2,965.41	1/4	2,606.00
1/2	1/2	1/2	1/2	1/2	5,098.07	1/2	4,752.90	1/2	4,394.54	1/2	4,036.08	1/2	3,676.69	1/2	3,317.31	1/2	2,957.92	1/2	2,598.51
3/4	3/4	3/4	3/4	3/4	5,092.86	3/4	4,745.44	3/4	4,387.08	3/4	4,028.59	3/4	3,669.21	3/4	3,309.82	3/4	2,950.43	3/4	2,591.03
7	7	7	7	7	5,087.65	7	4,737.97	7	4,379.61	7	4,021.10	7	3,661.72	7	3,302.33	7	2,942.95	7	2,583.54
1/4	1/4	1/4	1/4	1/4	5,082.44	1/4	4,730.50	1/4	4,372.15	1/4	4,013.62	1/4	3,654.23	1/4	3,294.85	1/4	2,935.46	1/4	2,576.05
1/2	1/2	1/2	1/2	1/2	5,075.98	1/2	4,723.04	1/2	4,364.68	1/2	4,006.13	1/2	3,646.74	1/2	3,287.36	1/2	2,927.97	1/2	2,568.56
3/4	3/4	3/4	3/4	3/4	5,069.53	3/4	4,715.57	3/4	4,357.21	3/4	3,998.64	3/4	3,639.26	3/4	3,279.87	3/4	2,920.49	3/4	2,561.07
8	8	8	8	8	5,063.07	8	4,708.11	8	4,349.75	8	3,991.15	8	3,631.77	8	3,272.38	8	2,913.00	8	2,553.58
1/4	1/4	1/4	1/4	1/4	5,056.61	1/4	4,700.64	1/4	4,342.28	1/4	3,983.67	1/4	3,624.28	1/4	3,264.90	1/4	2,905.51	1/4	2,546.09
1/2	1/2	1/2	1/2	1/2	5,049.29	1/2	4,693.18	1/2	4,334.82	1/2	3,976.18	1/2	3,616.79	1/2	3,257.41	1/2	2,898.02	1/2	2,538.60
3/4	3/4	3/4	3/4	3/4	5,041.97	3/4	4,685.71	3/4	4,327.35	3/4	3,968.69	3/4	3,609.31	3/4	3,249.92	3/4	2,890.54	3/4	2,531.11
9	9	9	9	9	5,034.64	9	4,678.24	9	4,319.89	9	3,961.21	9	3,601.82	9	3,242.43	9	2,883.05	9	2,523.62
1/4	1/4	1/4	1/4	1/4	5,027.32	1/4	4,670.78	1/4	4,312.42	1/4	3,953.72	1/4	3,594.33	1/4	3,234.95	1/4	2,875.56	1/4	2,516.13
1/2	1/2	1/2	1/2	1/2	5,019.94	1/2	4,663.31	1/2	4,304.95	1/2	3,946.23	1/2	3,586.85	1/2	3,227.46	1/2	2,868.07	1/2	2,508.64
3/4	3/4	3/4	3/4	3/4	5,012.56	3/4	4,655.85	3/4	4,297.49	3/4	3,938.74	3/4	3,579.36	3/4	3,219.97	3/4	2,860.59	3/4	2,501.15
10	10	10	10	10	5,005.18	10	4,648.38	10	4,290.02	10	3,931.26	10	3,571.87	10	3,212.49	10	2,853.10	10	2,493.66
1/4	1/4	1/4	1/4	1/4	4,997.80	1/4	4,640.91	1/4	4,282.56	1/4	3,923.77	1/4	3,564.38	1/4	3,205.00	1/4	2,845.61	1/4	2,486.17
1/2	1/2	1/2	1/2	1/2	4,990.41	1/2	4,633.45	1/2	4,275.09	1/2	3,916.28	1/2	3,556.90	1/2	3,197.51	1/2	2,838.13	1/2	2,478.68
3/4	3/4	3/4	3/4	3/4	4,983.02	3/4	4,625.98	3/4	4,267.62	3/4	3,908.80	3/4	3,549.41	3/4	3,190.02	3/4	2,830.64	3/4	2,471.19
11	11	11	11	11	4,975.63	11	4,618.52	11	4,260.16	11	3,901.31	11	3,541.92	11	3,182.54	11	2,823.15	11	2,463.70
1/4	1/4	1/4	1/4	1/4	4,968.23	1/4	4,611.05	1/4	4,252.69	1/4	3,893.82	1/4	3,534.44	1/4	3,175.05	1/4	2,815.66	1/4	2,456.21
1/2	1/2	1/2	1/2	1/2	4,960.84	1/2	4,603.59	1/2	4,245.23	1/2	3,886.33	1/2	3,526.95	1/2	3,167.56	1/2	2,808.18	1/2	2,448.72
3/4	3/4	3/4	3/4	3/4	4,953.45	3/4	4,596.12	3/4	4,237.76	3/4	3,878.85	3/4	3,519.46	3/4	3,160.08	3/4	2,800.69	3/4	2,441.24

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "CTC 29100"

2 STBD

ULLAGE TABLE HERMETIC

GAUGE HEIGHT 15'-09 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: E2MS 318

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	2,074.25	0	1,714.75	0	1,355.26	0	996.02	0	636.77	0	277.28	0		0		0		0	
1/4	2,066.76	1/4	1,707.26	1/4	1,347.77	1/4	988.55	1/4	629.28	1/4	269.79	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,059.27	1/2	1,699.77	1/2	1,340.28	1/2	981.07	1/2	621.79	1/2	262.30	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,051.78	3/4	1,692.29	3/4	1,332.79	3/4	973.60	3/4	614.30	3/4	254.81	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,044.29	1	1,684.80	1	1,325.30	1	966.12	1	606.81	1	247.32	1	1	1	1	1	1	1	1
1/4	2,036.80	1/4	1,677.31	1/4	1,317.81	1/4	958.65	1/4	599.32	1/4	239.83	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,029.31	1/2	1,669.82	1/2	1,310.32	1/2	951.17	1/2	591.83	1/2	232.34	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,021.82	3/4	1,662.33	3/4	1,302.83	3/4	943.70	3/4	584.34	3/4	224.85	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,014.33	2	1,654.84	2	1,295.34	2	936.22	2	576.86	2	217.36	2	2	2	2	2	2	2	2
1/4	2,006.84	1/4	1,647.35	1/4	1,287.85	1/4	928.75	1/4	569.37	1/4	209.87	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,999.35	1/2	1,639.86	1/2	1,280.36	1/2	921.27	1/2	561.88	1/2	202.38	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,991.87	3/4	1,632.37	3/4	1,272.87	3/4	913.80	3/4	554.39	3/4	194.89	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,984.38	3	1,624.88	3	1,265.38	3	906.32	3	546.90	3	187.40	3	3	3	3	3	3	3	3
1/4	1,976.89	1/4	1,617.39	1/4	1,257.89	1/4	898.85	1/4	539.41	1/4	179.91	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,969.40	1/2	1,609.90	1/2	1,250.40	1/2	891.37	1/2	531.92	1/2	172.42	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,961.91	3/4	1,602.41	3/4	1,242.92	3/4	883.90	3/4	524.43	3/4	164.93	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,954.42	4	1,594.92	4	1,235.43	4	876.42	4	516.94	4	157.44	4	4	4	4	4	4	4	4
1/4	1,946.93	1/4	1,587.43	1/4	1,227.94	1/4	868.95	1/4	509.45	1/4	149.95	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,939.44	1/2	1,579.94	1/2	1,220.45	1/2	861.46	1/2	501.96	1/2	142.47	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,931.95	3/4	1,572.45	3/4	1,212.96	3/4	853.97	3/4	494.47	3/4	134.98	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,924.46	5	1,564.96	5	1,205.47	5	846.48	5	486.98	5	127.49	5	5	5	5	5	5	5	5
1/4	1,916.97	1/4	1,557.47	1/4	1,197.98	1/4	838.99	1/4	479.49	1/4	120.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,909.48	1/2	1,549.98	1/2	1,190.49	1/2	831.50	1/2	472.00	1/2	112.52	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,901.99	3/4	1,542.50	3/4	1,183.00	3/4	824.01	3/4	464.51	3/4	105.04	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,894.50	6	1,535.01	6	1,175.51	6	816.52	6	457.02	6	97.56	6	6	6	6	6	6	6	6
1/4	1,887.01	1/4	1,527.52	1/4	1,168.02	1/4	809.03	1/4	449.53	1/4	90.09	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,879.52	1/2	1,520.03	1/2	1,160.54	1/2	801.54	1/2	442.04	1/2	82.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,872.03	3/4	1,512.54	3/4	1,153.05	3/4	794.05	3/4	434.55	3/4	75.18	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,864.54	7	1,505.05	7	1,145.57	7	786.56	7	427.07	7	67.73	7	7	7	7	7	7	7	7
1/4	1,857.05	1/4	1,497.56	1/4	1,138.08	1/4	779.07	1/4	419.58	1/4	60.27	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,849.56	1/2	1,490.07	1/2	1,130.60	1/2	771.58	1/2	412.09	1/2	53.72	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,842.08	3/4	1,482.58	3/4	1,123.12	3/4	764.09	3/4	404.60	3/4	47.17	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,834.59	8	1,475.09	8	1,115.63	8	756.60	8	397.11	8	40.62	8	8	8	8	8	8	8	8
1/4	1,827.10	1/4	1,467.60	1/4	1,108.15	1/4	749.11	1/4	389.62	1/4	34.07	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,819.61	1/2	1,460.11	1/2	1,100.67	1/2	741.62	1/2	382.13	1/2	29.39	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,812.12	3/4	1,452.62	3/4	1,093.20	3/4	734.13	3/4	374.64	3/4	24.70	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,804.63	9	1,445.13	9	1,085.72	9	726.65	9	367.15	9	20.02	9	9	9	9	9	9	9	9
1/4	1,797.14	1/4	1,437.64	1/4	1,078.25	1/4	719.16	1/4	359.66	1/4	15.34	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,789.65	1/2	1,430.15	1/2	1,070.77	1/2	711.67	1/2	352.17	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,782.16	3/4	1,422.66	3/4	1,063.30	3/4	704.18	3/4	344.68	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,774.67	10	1,415.17	10	1,055.82	10	696.69	10	337.19	10		10	10	10	10	10	10	10	10
1/4	1,767.18	1/4	1,407.68	1/4	1,048.35	1/4	689.20	1/4	329.70	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,759.69	1/2	1,400.19	1/2	1,040.87	1/2	681.71	1/2	322.21	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,752.20	3/4	1,392.71	3/4	1,033.40	3/4	674.22	3/4	314.72	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,744.71	11	1,385.22	11	1,025.92	11	666.73	11	307.23	11		11	11	11	11	11	11	11	11
1/4	1,737.22	1/4	1,377.73	1/4	1,018.45	1/4	659.24	1/4	299.74	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,729.73	1/2	1,370.24	1/2	1,010.97	1/2	651.75	1/2	292.25	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,722.24	3/4	1,362.75	3/4	1,003.50	3/4	644.26	3/4	284.76	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: 03/09/2020 JS
CALCULATED: 03/10/2020 CL
PRINTED: 03/11/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2020

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



BARGE "CTC 29100"

3 PORT ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 15'-09"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: E2MS 318

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	4,351.50	0	4,133.09	0	3,914.15	0	3,694.85	0	3,460.46	0	3,108.91	0	2,752.44	0	2,395.88
1/4	1/4	1/4	1/4	1/4	4,346.98	1/4	4,128.53	1/4	3,909.59	1/4	3,690.28	1/4	3,453.78	1/4	3,101.49	1/4	2,745.01	1/4	2,388.45
1/2	1/2	1/2	1/2	1/2	4,342.46	1/2	4,123.97	1/2	3,905.03	1/2	3,685.71	1/2	3,447.10	1/2	3,094.06	1/2	2,737.58	1/2	2,381.01
3/4	3/4	3/4	3/4	3/4	4,337.95	3/4	4,119.41	3/4	3,900.47	3/4	3,681.13	3/4	3,440.42	3/4	3,086.63	3/4	2,730.16	3/4	2,373.57
1	1	1	1	1	4,333.43	1	4,114.85	1	3,895.91	1	3,676.56	1	3,433.74	1	3,079.21	1	2,722.73	1	2,366.14
1/4	1/4	1/4	1/4	1/4	4,328.91	1/4	4,110.29	1/4	3,891.34	1/4	3,671.98	1/4	3,426.58	1/4	3,071.78	1/4	2,715.30	1/4	2,358.70
1/2	1/2	1/2	1/2	1/2	4,324.40	1/2	4,105.73	1/2	3,886.78	1/2	3,667.41	1/2	3,419.42	1/2	3,064.35	1/2	2,707.88	1/2	2,351.26
3/4	3/4	3/4	3/4	3/4	4,319.88	3/4	4,101.16	3/4	3,882.22	3/4	3,662.84	3/4	3,412.27	3/4	3,056.93	3/4	2,700.45	3/4	2,343.83
2	2	2	2	2	4,315.37	2	4,096.60	2	3,877.66	2	3,658.26	2	3,405.11	2	3,049.50	2	2,693.02	2	2,336.39
1/4	1/4	1/4	1/4	1/4	4,310.85	1/4	4,092.04	1/4	3,873.10	1/4	3,653.69	1/4	3,397.72	1/4	3,042.07	1/4	2,685.60	1/4	2,328.95
1/2	1/2	1/2	1/2	1/2	4,306.33	1/2	4,087.48	1/2	3,868.54	1/2	3,649.11	1/2	3,390.34	1/2	3,034.65	1/2	2,678.17	1/2	2,321.52
3/4	3/4	3/4	3/4	3/4	4,301.82	3/4	4,082.92	3/4	3,863.98	3/4	3,644.54	3/4	3,382.96	3/4	3,027.22	3/4	2,670.74	3/4	2,314.08
3	3	3	3	3	4,297.30	3	4,078.36	3	3,859.42	3	3,639.97	3	3,375.57	3	3,019.79	3	2,663.32	3	2,306.64
1/4	1/4	1/4	1/4	1/4	4,292.74	1/4	4,073.80	1/4	3,854.85	1/4	3,635.39	1/4	3,368.18	1/4	3,012.37	1/4	2,655.89	1/4	2,299.21
1/2	1/2	1/2	1/2	1/2	4,288.18	1/2	4,069.24	1/2	3,850.29	1/2	3,630.82	1/2	3,360.78	1/2	3,004.94	1/2	2,648.46	1/2	2,291.77
3/4	3/4	3/4	3/4	3/4	4,283.62	3/4	4,064.67	3/4	3,845.73	3/4	3,626.24	3/4	3,353.39	3/4	2,997.51	3/4	2,641.04	3/4	2,284.33
4	4	4	4	4	4,279.06	4	4,060.11	4	3,841.17	4	3,621.67	4	3,345.99	4	2,990.09	4	2,633.61	4	2,276.89
1/4	1/4	1/4	1/4	1/4	4,274.49	1/4	4,055.55	1/4	3,836.61	1/4	3,617.10	1/4	3,338.60	1/4	2,982.66	1/4	2,626.18	1/4	2,269.46
1/2	1/2	1/2	1/2	1/2	4,269.93	1/2	4,050.99	1/2	3,832.05	1/2	3,612.52	1/2	3,331.20	1/2	2,975.23	1/2	2,618.76	1/2	2,262.03
3/4	3/4	3/4	3/4	3/4	4,265.37	3/4	4,046.43	3/4	3,827.49	3/4	3,607.95	3/4	3,323.80	3/4	2,967.81	3/4	2,611.33	3/4	2,254.60
5	5	5	5	5	4,260.81	5	4,041.87	5	3,822.93	5	3,603.37	5	3,316.40	5	2,960.38	5	2,603.90	5	2,247.17
1/4	1/4	1/4	1/4	1/4	4,256.25	1/4	4,037.31	1/4	3,818.35	1/4	3,598.80	1/4	3,309.00	1/4	2,952.95	1/4	2,595.47	1/4	2,239.74
1/2	1/2	1/2	1/2	1/2	4,251.69	1/2	4,032.74	1/2	3,813.78	1/2	3,594.23	1/2	3,301.61	1/2	2,945.53	1/2	2,589.04	1/2	2,232.31
3/4	3/4	3/4	3/4	3/4	4,247.13	3/4	4,028.18	3/4	3,809.20	3/4	3,589.65	3/4	3,294.21	3/4	2,938.10	3/4	2,581.62	3/4	2,224.88
6	6	4,452.08	6	4,242.56	6	4,023.62	6	3,804.63	6	3,585.08	6	3,286.81	6	2,930.67	6	2,574.19	6	2,217.44	
1/4	1/4	4,448.90	1/4	4,238.00	1/4	4,019.06	1/4	3,800.06	1/4	3,580.50	1/4	3,279.41	1/4	2,923.25	1/4	2,566.76	1/4	2,210.01	
1/2	1/2	4,445.71	1/2	4,233.44	1/2	4,014.50	1/2	3,795.48	1/2	3,575.93	1/2	3,272.01	1/2	2,915.82	1/2	2,559.33	1/2	2,202.58	
3/4	3/4	4,442.53	3/4	4,228.88	3/4	4,009.94	3/4	3,790.91	3/4	3,571.36	3/4	3,264.62	3/4	2,908.39	3/4	2,551.91	3/4	2,195.15	
7	7	4,439.35	7	4,224.32	7	4,005.38	7	3,786.33	7	3,566.78	7	3,257.22	7	2,900.97	7	2,544.48	7	2,187.72	
1/4	1/4	4,435.40	1/4	4,219.76	1/4	4,000.82	1/4	3,781.76	1/4	3,562.21	1/4	3,249.82	1/4	2,893.54	1/4	2,537.05	1/4	2,180.29	
1/2	1/2	4,431.46	1/2	4,215.20	1/2	3,996.25	1/2	3,777.19	1/2	3,557.63	1/2	3,242.42	1/2	2,886.12	1/2	2,529.62	1/2	2,172.86	
3/4	3/4	4,427.51	3/4	4,210.64	3/4	3,991.69	3/4	3,772.61	3/4	3,553.06	3/4	3,235.02	3/4	2,878.69	3/4	2,522.19	3/4	2,165.42	
8	8	4,423.57	8	4,206.07	8	3,987.13	8	3,768.04	8	3,548.49	8	3,227.62	8	2,871.26	8	2,514.77	8	2,157.99	
1/4	1/4	4,419.09	1/4	4,201.51	1/4	3,982.57	1/4	3,763.46	1/4	3,543.67	1/4	3,220.23	1/4	2,863.84	1/4	2,507.34	1/4	2,150.56	
1/2	1/2	4,414.62	1/2	4,196.95	1/2	3,978.01	1/2	3,758.89	1/2	3,538.86	1/2	3,212.83	1/2	2,856.41	1/2	2,499.91	1/2	2,143.13	
3/4	3/4	4,410.14	3/4	4,192.39	3/4	3,973.45	3/4	3,754.32	3/4	3,534.04	3/4	3,205.43	3/4	2,848.98	3/4	2,492.48	3/4	2,135.70	
9	9	4,405.67	9	4,187.83	9	3,968.89	9	3,749.74	9	3,529.23	9	3,198.03	9	2,841.56	9	2,485.05	9	2,128.27	
1/4	1/4	4,401.16	1/4	4,183.27	1/4	3,964.33	1/4	3,745.17	1/4	3,523.97	1/4	3,190.61	1/4	2,834.13	1/4	2,477.63	1/4	2,120.84	
1/2	1/2	4,396.65	1/2	4,178.71	1/2	3,959.76	1/2	3,740.59	1/2	3,518.72	1/2	3,183.18	1/2	2,826.70	1/2	2,470.20	1/2	2,113.41	
3/4	3/4	4,392.14	3/4	4,174.15	3/4	3,955.20	3/4	3,736.02	3/4	3,513.46	3/4	3,175.75	3/4	2,819.28	3/4	2,462.77	3/4	2,105.97	
10	10	4,387.64	10	4,169.58	10	3,950.64	10	3,731.45	10	3,508.21	10	3,168.33	10	2,811.85	10	2,455.34	10	2,098.54	
1/4	1/4	4,383.12	1/4	4,165.02	1/4	3,946.08	1/4	3,726.87	1/4	3,502.47	1/4	3,160.90	1/4	2,804.42	1/4	2,447.92	1/4	2,091.13	
1/2	1/2	4,378.60	1/2	4,160.46	1/2	3,941.52	1/2	3,722.30	1/2	3,496.74	1/2	3,153.47	1/2	2,797.00	1/2	2,440.49	1/2	2,083.72	
3/4	3/4	4,374.08	3/4	4,155.90	3/4	3,936.96	3/4	3,717.72	3/4	3,491.00	3/4	3,146.05	3/4	2,789.57	3/4	2,433.06	3/4	2,076.31	
11	11	4,369.57	11	4,151.34	11	3,932.40	11	3,713.15	11	3,485.27	11	3,138.62	11	2,782.14	11	2,425.63	11	2,068.90	
1/4	1/4	4,365.05	1/4	4,146.78	1/4	3,927.84	1/4	3,708.58	1/4	3,479.07	1/4	3,131.19	1/4	2,774.72	1/4	2,418.20	1/4	2,061.49	
1/2	1/2	4,360.53	1/2	4,142.22	1/2	3,923.27	1/2	3,704.00	1/2	3,472.86	1/2	3,123.77	1/2	2,767.29	1/2	2,410.76	1/2	2,054.08	
3/4	3/4	4,356.01	3/4	4,137.65	3/4	3,918.71	3/4	3,699.43	3/4	3,466.66	3/4	3,116.34	3/4	2,759.86	3/4	2,403.32	3/4	2,046.67	

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 OF 2" HERMETIC VALVE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "CTC 29100"

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

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: E2MS 318

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	2,039.25	0	1,683.04	0	1,326.18	0	976.57	0	625.56	0	268.41	0		0		0		0	
1/4	2,031.84	1/4	1,675.61	1/4	1,318.74	1/4	969.43	1/4	618.12	1/4	260.96	1/4		1/4		1/4		1/4	
1/2	2,024.42	1/2	1,668.18	1/2	1,311.31	1/2	962.29	1/2	610.68	1/2	253.51	1/2		1/2		1/2		1/2	
3/4	2,017.00	3/4	1,660.74	3/4	1,303.88	3/4	955.14	3/4	603.24	3/4	246.06	3/4		3/4		3/4		3/4	
1	2,009.58	1	1,653.31	1	1,296.44	1	948.00	1	595.80	1	238.61	1		1		1		1	
1/4	2,002.16	1/4	1,645.87	1/4	1,289.01	1/4	940.86	1/4	588.37	1/4	231.16	1/4		1/4		1/4		1/4	
1/2	1,994.74	1/2	1,638.44	1/2	1,281.57	1/2	933.71	1/2	580.93	1/2	223.70	1/2		1/2		1/2		1/2	
3/4	1,987.33	3/4	1,631.00	3/4	1,274.14	3/4	926.57	3/4	573.49	3/4	216.25	3/4		3/4		3/4		3/4	
2	1,979.91	2	1,623.57	2	1,266.70	2	919.43	2	566.05	2	208.80	2		2		2		2	
1/4	1,972.49	1/4	1,616.13	1/4	1,259.27	1/4	912.28	1/4	558.61	1/4	201.35	1/4		1/4		1/4		1/4	
1/2	1,965.07	1/2	1,608.70	1/2	1,251.83	1/2	905.14	1/2	551.17	1/2	193.90	1/2		1/2		1/2		1/2	
3/4	1,957.65	3/4	1,601.26	3/4	1,244.40	3/4	898.00	3/4	543.73	3/4	186.45	3/4		3/4		3/4		3/4	
3	1,950.23	3	1,593.83	3	1,236.96	3	890.85	3	536.29	3	179.00	3		3		3		3	
1/4	1,942.82	1/4	1,586.39	1/4	1,229.53	1/4	883.71	1/4	528.85	1/4	171.54	1/4		1/4		1/4		1/4	
1/2	1,935.40	1/2	1,578.96	1/2	1,222.09	1/2	876.57	1/2	521.41	1/2	164.09	1/2		1/2		1/2		1/2	
3/4	1,927.98	3/4	1,571.52	3/4	1,214.66	3/4	869.43	3/4	513.97	3/4	156.64	3/4		3/4		3/4		3/4	
4	1,920.56	4	1,564.09	4	1,207.22	4	862.28	4	506.53	4	149.19	4		4		4		4	
1/4	1,913.14	1/4	1,556.65	1/4	1,199.79	1/4	855.12	1/4	499.09	1/4	141.74	1/4		1/4		1/4		1/4	
1/2	1,905.73	1/2	1,549.22	1/2	1,192.35	1/2	847.95	1/2	491.65	1/2	134.29	1/2		1/2		1/2		1/2	
3/4	1,898.31	3/4	1,541.79	3/4	1,184.92	3/4	840.78	3/4	484.21	3/4	126.84	3/4		3/4		3/4		3/4	
5	1,890.89	5	1,534.35	5	1,177.49	5	833.62	5	476.77	5	119.39	5		5		5		5	
1/4	1,883.47	1/4	1,526.92	1/4	1,170.26	1/4	826.24	1/4	469.33	1/4	111.95	1/4		1/4		1/4		1/4	
1/2	1,876.05	1/2	1,519.48	1/2	1,163.03	1/2	818.87	1/2	461.89	1/2	104.51	1/2		1/2		1/2		1/2	
3/4	1,868.63	3/4	1,512.05	3/4	1,155.80	3/4	811.49	3/4	454.45	3/4	97.07	3/4		3/4		3/4		3/4	
6	1,861.22	6	1,504.61	6	1,148.57	6	804.12	6	447.01	6	89.63	6		6		6		6	
1/4	1,853.80	1/4	1,497.18	1/4	1,141.36	1/4	796.68	1/4	439.57	1/4	82.21	1/4		1/4		1/4		1/4	
1/2	1,846.38	1/2	1,489.74	1/2	1,134.15	1/2	789.24	1/2	432.13	1/2	74.80	1/2		1/2		1/2		1/2	
3/4	1,838.96	3/4	1,482.31	3/4	1,126.93	3/4	781.80	3/4	424.69	3/4	67.38	3/4		3/4		3/4		3/4	
7	1,831.54	7	1,474.87	7	1,119.72	7	774.36	7	417.25	7	59.97	7		7		7		7	
1/4	1,824.12	1/4	1,467.44	1/4	1,112.51	1/4	766.92	1/4	409.81	1/4	53.45	1/4		1/4		1/4		1/4	
1/2	1,816.71	1/2	1,460.00	1/2	1,105.29	1/2	759.48	1/2	402.37	1/2	46.93	1/2		1/2		1/2		1/2	
3/4	1,809.29	3/4	1,452.57	3/4	1,098.08	3/4	752.04	3/4	394.93	3/4	40.41	3/4		3/4		3/4		3/4	
8	1,801.87	8	1,445.13	8	1,090.86	8	744.60	8	387.49	8	33.89	8		8		8		8	
1/4	1,794.45	1/4	1,437.70	1/4	1,083.72	1/4	737.16	1/4	380.05	1/4	29.24	1/4		1/4		1/4		1/4	
1/2	1,787.03	1/2	1,430.26	1/2	1,076.58	1/2	729.72	1/2	372.61	1/2	24.58	1/2		1/2		1/2		1/2	
3/4	1,779.61	3/4	1,422.83	3/4	1,069.43	3/4	722.28	3/4	365.17	3/4	19.92	3/4		3/4		3/4		3/4	
9	1,772.20	9	1,415.40	9	1,062.29	9	714.84	9	357.73	9	15.27	9		9		9		9	
1/4	1,764.78	1/4	1,407.96	1/4	1,055.15	1/4	707.40	1/4	350.29	1/4		1/4		1/4		1/4		1/4	
1/2	1,757.36	1/2	1,400.53	1/2	1,048.01	1/2	699.96	1/2	342.85	1/2		1/2		1/2		1/2		1/2	
3/4	1,749.94	3/4	1,393.09	3/4	1,040.86	3/4	692.52	3/4	335.42	3/4		3/4		3/4		3/4		3/4	
10	1,742.52	10	1,385.66	10	1,033.72	10	685.08	10	327.98	10		10		10		10		10	
1/4	1,735.09	1/4	1,378.22	1/4	1,026.58	1/4	677.64	1/4	320.54	1/4		1/4		1/4		1/4		1/4	
1/2	1,727.65	1/2	1,370.79	1/2	1,019.43	1/2	670.20	1/2	313.10	1/2		1/2		1/2		1/2		1/2	
3/4	1,720.22	3/4	1,363.35	3/4	1,012.29	3/4	662.76	3/4	305.66	3/4		3/4		3/4		3/4		3/4	
11	1,712.78	11	1,355.92	11	1,005.15	11	655.32	11	298.22	11		11		11		11		11	
1/4	1,705.35	1/4	1,348.48	1/4	998.00	1/4	647.88	1/4	290.77	1/4		1/4		1/4		1/4		1/4	
1/2	1,697.91	1/2	1,341.05	1/2	990.86	1/2	640.44	1/2	283.31	1/2		1/2		1/2		1/2		1/2	
3/4	1,690.48	3/4	1,333.61	3/4	983.72	3/4	633.00	3/4	275.86	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/09/2020 JS
CALCULATED: 03/10/2020 CL
PRINTED: 03/11/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2020

PRECISION MEASUREMENT
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BARGE "CTC 29100"

3 STBD ULLAGE TABLE

HERMETIC GAUGE HEIGHT 15'-09"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: E2MS 318

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	4,365.54	0	4,147.42	0	3,928.76	0	3,709.74	0	3,475.61	0	3,123.87	0	2,767.20	0	2,410.46
1/4	1/4	1/4	1/4	1/4	4,361.03	1/4	4,142.87	1/4	3,924.20	1/4	3,705.17	1/4	3,468.92	1/4	3,116.44	1/4	2,759.77	1/4	2,403.02
1/2	1/2	1/2	1/2	1/2	4,356.52	1/2	4,138.31	1/2	3,919.65	1/2	3,700.60	1/2	3,462.24	1/2	3,109.00	1/2	2,752.34	1/2	2,395.58
3/4	3/4	3/4	3/4	3/4	4,352.01	3/4	4,133.76	3/4	3,915.09	3/4	3,696.04	3/4	3,455.55	3/4	3,101.57	3/4	2,744.91	3/4	2,388.13
1	1	1	1	1	4,347.50	1	4,129.20	1	3,910.54	1	3,691.47	1	3,448.87	1	3,094.14	1	2,737.47	1	2,380.69
1/4	1/4	1/4	1/4	1/4	4,342.99	1/4	4,124.64	1/4	3,905.98	1/4	3,686.90	1/4	3,441.71	1/4	3,086.71	1/4	2,730.04	1/4	2,373.25
1/2	1/2	1/2	1/2	1/2	4,338.48	1/2	4,120.09	1/2	3,901.42	1/2	3,682.33	1/2	3,434.54	1/2	3,079.28	1/2	2,722.61	1/2	2,365.81
3/4	3/4	3/4	3/4	3/4	4,333.97	3/4	4,115.53	3/4	3,896.87	3/4	3,677.76	3/4	3,427.38	3/4	3,071.85	3/4	2,715.18	3/4	2,358.37
2	2	2	2	2	4,329.46	2	4,110.98	2	3,892.31	2	3,673.20	2	3,420.22	2	3,064.42	2	2,707.75	2	2,350.93
1/4	1/4	1/4	1/4	1/4	4,324.95	1/4	4,106.42	1/4	3,887.76	1/4	3,668.63	1/4	3,412.83	1/4	3,056.99	1/4	2,700.32	1/4	2,343.49
1/2	1/2	1/2	1/2	1/2	4,320.44	1/2	4,101.87	1/2	3,883.20	1/2	3,664.06	1/2	3,405.44	1/2	3,049.56	1/2	2,692.89	1/2	2,336.05
3/4	3/4	3/4	3/4	3/4	4,315.93	3/4	4,097.31	3/4	3,878.65	3/4	3,659.49	3/4	3,398.05	3/4	3,042.13	3/4	2,685.46	3/4	2,328.61
3	3	3	3	3	4,311.42	3	4,092.76	3	3,874.09	3	3,654.92	3	3,390.67	3	3,034.70	3	2,678.03	3	2,321.17
1/4	1/4	1/4	1/4	1/4	4,306.86	1/4	4,088.20	1/4	3,869.54	1/4	3,650.36	1/4	3,383.27	1/4	3,027.27	1/4	2,670.60	1/4	2,313.73
1/2	1/2	1/2	1/2	1/2	4,302.31	1/2	4,083.64	1/2	3,864.98	1/2	3,645.79	1/2	3,375.87	1/2	3,019.84	1/2	2,663.17	1/2	2,306.29
3/4	3/4	3/4	3/4	3/4	4,297.75	3/4	4,079.09	3/4	3,860.43	3/4	3,641.22	3/4	3,368.47	3/4	3,012.41	3/4	2,655.74	3/4	2,298.84
4	4	4	4	4	4,293.20	4	4,074.53	4	3,855.87	4	3,636.65	4	3,361.07	4	3,004.98	4	2,648.31	4	2,291.40
1/4	1/4	1/4	1/4	1/4	4,288.64	1/4	4,069.98	1/4	3,851.31	1/4	3,632.08	1/4	3,353.67	1/4	2,997.55	1/4	2,640.88	1/4	2,283.96
1/2	1/2	1/2	1/2	1/2	4,284.09	1/2	4,065.42	1/2	3,846.76	1/2	3,627.52	1/2	3,346.27	1/2	2,990.12	1/2	2,633.44	1/2	2,276.52
3/4	3/4	3/4	3/4	3/4	4,279.53	3/4	4,060.87	3/4	3,842.20	3/4	3,622.95	3/4	3,338.87	3/4	2,982.68	3/4	2,626.01	3/4	2,269.08
5	5	5	5	5	4,274.98	5	4,056.31	5	3,837.65	5	3,618.38	5	3,331.47	5	2,975.25	5	2,618.58	5	2,261.64
1/4	1/4	1/4	1/4	1/4	4,270.42	1/4	4,051.76	1/4	3,833.08	1/4	3,613.81	1/4	3,324.06	1/4	2,967.82	1/4	2,611.15	1/4	2,254.20
1/2	1/2	1/2	1/2	1/2	4,265.87	1/2	4,047.20	1/2	3,828.51	1/2	3,609.24	1/2	3,316.66	1/2	2,960.39	1/2	2,603.72	1/2	2,246.76
3/4	3/4	3/4	3/4	3/4	4,261.31	3/4	4,042.65	3/4	3,823.94	3/4	3,604.67	3/4	3,309.26	3/4	2,952.96	3/4	2,596.29	3/4	2,239.32
6	6	4,465.99	6	4,256.75	6	4,038.09	6	3,819.38	6	3,600.11	6	3,301.86	6	2,945.53	6	2,588.85	6	2,231.88	
1/4	1/4	4,462.81	1/4	4,252.20	1/4	4,033.53	1/4	3,814.81	1/4	3,595.54	1/4	3,294.46	1/4	2,938.10	1/4	2,581.42	1/4	2,224.44	
1/2	1/2	4,459.63	1/2	4,247.64	1/2	4,028.98	1/2	3,810.24	1/2	3,590.97	1/2	3,287.05	1/2	2,930.67	1/2	2,573.99	1/2	2,217.00	
3/4	3/4	4,456.45	3/4	4,243.09	3/4	4,024.42	3/4	3,805.67	3/4	3,586.40	3/4	3,279.65	3/4	2,923.24	3/4	2,566.56	3/4	2,209.56	
7	7	4,453.27	7	4,238.53	7	4,019.87	7	3,801.10	7	3,581.83	7	3,272.25	7	2,915.81	7	2,559.13	7	2,202.11	
1/4	1/4	4,449.33	1/4	4,233.98	1/4	4,015.31	1/4	3,796.54	1/4	3,577.27	1/4	3,264.85	1/4	2,908.38	1/4	2,551.70	1/4	2,194.67	
1/2	1/2	4,445.39	1/2	4,229.42	1/2	4,010.76	1/2	3,791.97	1/2	3,572.70	1/2	3,257.45	1/2	2,900.95	1/2	2,544.26	1/2	2,187.23	
3/4	3/4	4,441.45	3/4	4,224.87	3/4	4,006.20	3/4	3,787.40	3/4	3,568.13	3/4	3,250.04	3/4	2,893.52	3/4	2,536.83	3/4	2,179.79	
8	8	4,437.51	8	4,220.31	8	4,001.65	8	3,782.83	8	3,563.56	8	3,242.64	8	2,886.09	8	2,529.40	8	2,172.35	
1/4	1/4	4,433.04	1/4	4,215.75	1/4	3,997.09	1/4	3,778.26	1/4	3,558.75	1/4	3,235.24	1/4	2,878.66	1/4	2,521.97	1/4	2,164.91	
1/2	1/2	4,428.58	1/2	4,211.20	1/2	3,992.53	1/2	3,773.69	1/2	3,553.95	1/2	3,227.84	1/2	2,871.23	1/2	2,514.54	1/2	2,157.47	
3/4	3/4	4,424.11	3/4	4,206.64	3/4	3,987.98	3/4	3,769.13	3/4	3,549.14	3/4	3,220.44	3/4	2,863.79	3/4	2,507.11	3/4	2,150.03	
9	9	4,419.64	9	4,202.09	9	3,983.42	9	3,764.56	9	3,544.33	9	3,213.03	9	2,856.36	9	2,499.67	9	2,142.59	
1/4	1/4	4,415.14	1/4	4,197.53	1/4	3,978.87	1/4	3,759.99	1/4	3,539.08	1/4	3,205.60	1/4	2,848.93	1/4	2,492.24	1/4	2,135.15	
1/2	1/2	4,410.63	1/2	4,192.98	1/2	3,974.31	1/2	3,755.42	1/2	3,533.83	1/2	3,198.17	1/2	2,841.50	1/2	2,484.81	1/2	2,127.71	
3/4	3/4	4,406.13	3/4	4,188.42	3/4	3,969.76	3/4	3,750.85	3/4	3,528.59	3/4	3,190.74	3/4	2,834.07	3/4	2,477.38	3/4	2,120.27	
10	10	4,401.63	10	4,183.87	10	3,965.20	10	3,746.29	10	3,523.34	10	3,183.31	10	2,826.64	10	2,469.95	10	2,112.82	
1/4	1/4	4,397.12	1/4	4,179.31	1/4	3,960.65	1/4	3,741.72	1/4	3,517.61	1/4	3,175.88	1/4	2,819.21	1/4	2,462.52	1/4	2,105.38	
1/2	1/2	4,392.61	1/2	4,174.75	1/2	3,956.09	1/2	3,737.15	1/2	3,511.88	1/2	3,168.45	1/2	2,811.78	1/2	2,455.08	1/2	2,097.94	
3/4	3/4	4,388.10	3/4	4,170.20	3/4	3,951.54	3/4	3,732.58	3/4	3,506.16	3/4	3,161.02	3/4	2,804.35	3/4	2,447.65	3/4	2,090.50	
11	11	4,383.59	11	4,165.64	11	3,946.98	11	3,728.01	11	3,500.43	11	3,153.59	11	2,796.92	11	2,440.22	11	2,083.06	
1/4	1/4	4,379.08	1/4	4,161.09	1/4	3,942.42	1/4	3,723.45	1/4	3,494.22	1/4	3,146.16	1/4	2,789.49	1/4	2,432.78	1/4	2,075.62	
1/2	1/2	4,374.57	1/2	4,156.53	1/2	3,937.87	1/2	3,718.88	1/2	3,488.02	1/2	3,138.73	1/2	2,782.06	1/2	2,425.34	1/2	2,068.18	
3/4	3/4	4,370.05	3/4	4,151.98	3/4	3,933.31	3/4	3,714.31	3/4	3,481.81	3/4	3,131.30	3/4	2,774.63	3/4	2,417.90	3/4	2,060.74	

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 42'-09" FORWARD OF AFT BULKHEAD

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



BARGE "CTC 29100"

3 STBD

ULLAGE TABLE HERMETIC

GAUGE HEIGHT 15'-09"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: E2MS 318

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	2,045.86	1/4	1,688.70	1/4	1,331.54	1/4	974.67	1/4	617.74	1/4	260.59	1/4		1/4		1/4		1/4			
1/2	2,038.42	1/2	1,681.26	1/2	1,324.10	1/2	967.24	1/2	610.30	1/2	253.15	1/2		1/2		1/2		1/2			
3/4	2,030.98	3/4	1,673.82	3/4	1,316.66	3/4	959.82	3/4	602.86	3/4	245.71	3/4		3/4		3/4		3/4			
1	2,023.54	1	1,666.38	1	1,309.22	1	952.39	1	595.42	1	238.27	1		1		1		1			
1/4	2,016.09	1/4	1,658.94	1/4	1,301.78	1/4	944.97	1/4	587.97	1/4	230.83	1/4		1/4		1/4		1/4			
1/2	2,008.65	1/2	1,651.50	1/2	1,294.34	1/2	937.54	1/2	580.53	1/2	223.39	1/2		1/2		1/2		1/2			
3/4	2,001.21	3/4	1,644.05	3/4	1,286.90	3/4	930.11	3/4	573.09	3/4	215.94	3/4		3/4		3/4		3/4			
2	1,993.77	2	1,636.61	2	1,279.46	2	922.69	2	565.65	2	208.50	2		2		2		2			
1/4	1,986.33	1/4	1,629.17	1/4	1,272.01	1/4	915.26	1/4	558.21	1/4	201.06	1/4		1/4		1/4		1/4			
1/2	1,978.89	1/2	1,621.73	1/2	1,264.57	1/2	907.83	1/2	550.77	1/2	193.62	1/2		1/2		1/2		1/2			
3/4	1,971.45	3/4	1,614.29	3/4	1,257.13	3/4	900.41	3/4	543.33	3/4	186.18	3/4		3/4		3/4		3/4			
3	1,964.01	3	1,606.85	3	1,249.69	3	892.98	3	535.89	3	178.74	3		3		3		3			
1/4	1,956.57	1/4	1,599.41	1/4	1,242.25	1/4	885.56	1/4	528.45	1/4	171.30	1/4		1/4		1/4		1/4			
1/2	1,949.13	1/2	1,591.97	1/2	1,234.81	1/2	878.13	1/2	521.01	1/2	163.86	1/2		1/2		1/2		1/2			
3/4	1,941.69	3/4	1,584.53	3/4	1,227.37	3/4	870.70	3/4	513.57	3/4	156.42	3/4		3/4		3/4		3/4			
4	1,934.25	4	1,577.09	4	1,219.93	4	863.28	4	506.13	4	148.98	4		4		4		4			
1/4	1,926.80	1/4	1,569.65	1/4	1,212.49	1/4	855.84	1/4	498.69	1/4	141.54	1/4		1/4		1/4		1/4			
1/2	1,919.36	1/2	1,562.21	1/2	1,205.05	1/2	848.40	1/2	491.25	1/2	134.10	1/2		1/2		1/2		1/2			
3/4	1,911.92	3/4	1,554.76	3/4	1,197.61	3/4	840.95	3/4	483.81	3/4	126.66	3/4		3/4		3/4		3/4			
5	1,904.48	5	1,547.32	5	1,190.17	5	833.51	5	476.37	5	119.22	5		5		5		5			
1/4	1,897.04	1/4	1,539.88	1/4	1,182.72	1/4	826.07	1/4	468.92	1/4	111.79	1/4		1/4		1/4		1/4			
1/2	1,889.60	1/2	1,532.44	1/2	1,175.28	1/2	818.63	1/2	461.48	1/2	104.36	1/2		1/2		1/2		1/2			
3/4	1,882.16	3/4	1,525.00	3/4	1,167.84	3/4	811.19	3/4	454.04	3/4	96.93	3/4		3/4		3/4		3/4			
6	1,874.72	6	1,517.56	6	1,160.40	6	803.75	6	446.60	6	89.50	6		6		6		6			
1/4	1,867.28	1/4	1,510.12	1/4	1,152.97	1/4	796.31	1/4	439.16	1/4	82.10	1/4		1/4		1/4		1/4			
1/2	1,859.84	1/2	1,502.68	1/2	1,145.53	1/2	788.87	1/2	431.72	1/2	74.69	1/2		1/2		1/2		1/2			
3/4	1,852.40	3/4	1,495.24	3/4	1,138.10	3/4	781.43	3/4	424.28	3/4	67.29	3/4		3/4		3/4		3/4			
7	1,844.96	7	1,487.80	7	1,130.66	7	773.99	7	416.84	7	59.88	7		7		7		7			
1/4	1,837.52	1/4	1,480.36	1/4	1,123.22	1/4	766.55	1/4	409.40	1/4	53.38	1/4		1/4		1/4		1/4			
1/2	1,830.07	1/2	1,472.92	1/2	1,115.79	1/2	759.11	1/2	401.96	1/2	46.87	1/2		1/2		1/2		1/2			
3/4	1,822.63	3/4	1,465.48	3/4	1,108.35	3/4	751.67	3/4	394.52	3/4	40.36	3/4		3/4		3/4		3/4			
8	1,815.19	8	1,458.03	8	1,100.92	8	744.23	8	387.08	8	33.85	8		8		8		8			
1/4	1,807.75	1/4	1,450.59	1/4	1,093.49	1/4	736.79	1/4	379.64	1/4	29.20	1/4		1/4		1/4		1/4			
1/2	1,800.31	1/2	1,443.15	1/2	1,086.07	1/2	729.35	1/2	372.20	1/2	24.55	1/2		1/2		1/2		1/2			
3/4	1,792.87	3/4	1,435.71	3/4	1,078.64	3/4	721.91	3/4	364.76	3/4	19.90	3/4		3/4		3/4		3/4			
9	1,785.43	9	1,428.27	9	1,071.21	9	714.46	9	357.32	9	15.25	9		9		9		9			
1/4	1,777.99	1/4	1,420.83	1/4	1,063.79	1/4	707.02	1/4	349.88	1/4		1/4		1/4		1/4		1/4			
1/2	1,770.55	1/2	1,413.39	1/2	1,056.36	1/2	699.58	1/2	342.43	1/2		1/2		1/2		1/2		1/2			
3/4	1,763.11	3/4	1,405.95	3/4	1,048.93	3/4	692.14	3/4	334.99	3/4		3/4		3/4		3/4		3/4			
10	1,755.67	10	1,398.51	10	1,041.51	10	684.70	10	327.55	10		10		10		10		10			
1/4	1,748.23	1/4	1,391.07	1/4	1,034.08	1/4	677.26	1/4	320.11	1/4		1/4		1/4		1/4		1/4			
1/2	1,740.78	1/2	1,383.63	1/2	1,026.66	1/2	669.82	1/2	312.67	1/2		1/2		1/2		1/2		1/2			
3/4	1,733.34	3/4	1,376.19	3/4	1,019.23	3/4	662.38	3/4	305.23	3/4		3/4		3/4		3/4		3/4			
11	1,725.90	11	1,368.74	11	1,011.80	11	654.94	11	297.79	11		11		11		11		11			
1/4	1,718.46	1/4	1,361.30	1/4	1,004.38	1/4	647.50	1/4	290.35	1/4		1/4		1/4		1/4		1/4			
1/2	1,711.02	1/2	1,353.86	1/2	996.95	1/2	640.06	1/2	282.91	1/2		1/2		1/2		1/2		1/2			
3/4	1,703.58	3/4	1,346.42	3/4	989.52	3/4	632.62	3/4	275.47	3/4		3/4		3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/09/2020 JS
CALCULATED: 03/10/2020 CL
PRINTED: 03/11/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2020

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